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Preface

The Data Model for Managing and Preserving Geospatial Electronic Records identifies and describes the tables and the fields for storing metadata and related information to improve the electronic record-keeping capabilities of systems that support the management and preservation of geospatial data and related electronic records (GERs). This document contains Version 1.00, the initial release of the data model, and includes the description of the data model, the entity-relationship (ER) diagram, the data dictionary, and the crosswalks to standards and other schemas relevant to managing and preserving GERs and other digital objects.

The data model is based on a review of current standards, frameworks, and requirements applicable to managing and preserving GERs. Adoption of the data model or a subset of the tables and fields in a database or metadata schema provides an opportunity to capture the available information to improve capabilities for managing and preserving GERs and other digital objects. Implementation in a database management system used to manage and preserve GERs or other digital objects can provide experience on the utility of the data model and identify aspects of the data model that can improve practices for managing and preserving electronic records. In addition, implementation of the data model could identify aspects of the data model that can be improved to foster the management and preservation of digital objects and collections.

Disclaimer

Organizations and individuals may use the data model or parts of it to improve the management and preservation of digital objects and do so at their own risk. CIESIN, Columbia University, and its sponsors are not liable for any application, use, or misuse of the data model.
Acknowledgement

Version 1.00 of the Data Model for Managing and Preserving Geospatial Records has been developed as part of the project, Managing and Preserving Geospatial Electronic Records, which was supported by the National Historical Publications and Records Commission (NHPRC), under Grant number 2003-038, and conducted by the Center for International Earth Science Information Network (CIESIN), of Columbia University.

Dr. Robert S. Chen, Deputy Director of CIESIN, and Dr. Robert R. Downs, Senior Digital Archivist and Senior Staff Associate Officer of Research at CIESIN, served as the Director and Co-Director, respectively, for the project. Other project team members from CIESIN include Mark Becker, Branko Djapic, Annie Gerard, John Mickelson, and John Scialdone. Additional CIESIN staff members who contributed to the development of the data model include Yitzhak E. Gitelman, W. Christopher Lenhardt, Elisa Maria Lukang, Joachim Schumacher, and Sri Vinayagamoorthy. Many aspects of the data model reflect insights obtained from community members who participated in, “Extending the Boundaries: A Workshop on Managing and Preserving Geospatial Electronic Records”, and from the anonymous practitioners who participated in the study of geospatial data management practices (Downs and Chen, in Draft). In addition, the data model design also has benefited from the expertise of the members of the project Advisory Board, listed below.

Project Advisory Board Members

Cheryl Benjamin, Standards/Data Coordination New York State Cyber Security & Critical Infrastructure Coordination

Kevin Glick, Electronic Records Archivist, Yale University Sterling Memorial Library

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Description

The Data Model for Managing and Preserving Geospatial Electronic Records contains the tables and fields to describe and to manage geospatial electronic records (GERs), as well as other digital objects, during their entire lifecycle. The data model combines information elements identified from current requirements and standards developed by communities concerned with the management and preservation of GERs and other digital objects. In addition to enabling the description of individual digital objects, the data model offers capabilities for maintaining descriptions about the categories to which objects have been assigned and about the processes and the resources for managing and preserving these digital assets. The data model is designed to inform the development of an information system for managing and preserving geospatial data and related electronic records within collections of digital objects, throughout their lifecycle. Systems that employ the data model or aspects of it also could be used for managing and preserving other kinds of digital and physical records and for maintaining documentation and workflow information for managing multiple collections that require data stewardship and life cycle management.

Scope of the Data Model

The data model is designed to improve capabilities for implementing systems to manage and preserve GERs in small organizations and agencies with limited resources. Tables and fields included in the data model have been identified to support the development of systems that facilitate electronic records management for GERs and other digital objects that need to be managed during their life cycle.

Currently, the primary focus of the data model is to capture information to support archival processes for managing and preserving GERs and other digital objects. In addition to the information offering support for selection, accession, preservation, and disposition, the data model contains semantic units for organizing and managing objects as collections, series, and aggregations. Digital objects managed using the data model can be organized as groups included in particular dissemination instances that are accessible from distributors or registered in catalogs.

Some fields of Version 1.00 of the data model offer capabilities to support finding digital objects as part of data management processes. However, the design of the data model does not optimize capabilities for facilitating data discovery or information retrieval. Version 1.00 of the data model does offer capabilities to describe and manage various documents related to digital objects being managed, including documents containing discovery metadata and guides supporting development and use. In addition to improving capabilities for managing and preserving GERs, subsequent versions of the data model should include enhancements to improve capabilities for discovery, access, and use of managed digital objects.

Data Model Components

The data model includes this descriptive document, an entity-relationship (ER) diagram, a data dictionary, and crosswalks to current standards and requirements. Each of these documents
describes aspects of the data model, which together provide an overview and details about the administrativeness, preservation, and descriptive metadata elements and the supporting workflow information identified for inclusion in the design of a system being developed to manage and preserve geospatial data and related electronic records.

**Entity-Relationship Diagram Organization**

The Entity-Relationship (ER) diagram graphically represents the relationships between the tables and fields contained in the data model. Within the ER Diagram, thirty-nine tables are organized into the following five color-coded clusters for managing digital objects:

- Provenance and Attributes,
- Organization,
- Distribution,
- Administration, and
- Physical Properties

Within each cluster of the ER Diagram, boxes represent tables and lines represent relationships between tables. The label for each table appears above the box representing the table. Each table contains a list of field titles to indicate the kind of information that may be stored in each field. The field that serves as the primary key for a table appears at the top of the list of fields, separate from the other fields.

**Data Dictionary Overview**

The data dictionary defines and describes the tables and fields included in the data model. Each table contains a title and a description. Each table also lists the fields contained within it, providing a title, a definition, and a data type for each field. The primary key and any foreign keys also are described within each table of the data dictionary. The definition of each field contained within the tables describes the information that can be stored in the field to support the management of digital objects.

The fields of the data model can be used to describe aspects of administrative, preservation, and discovery metadata for each digital object and each category of objects accessioned into a managed collection. The fields also can describe some of the processes and resources employed to treat individual digital objects. A database management system that contains such field could facilitate capturing, maintaining, and reporting information on the status of the digital objects and categories controlled by workflow processes established to manage and preserve digital assets.

Using these fields and tables, digital objects described by the model can be organized into aggregations, series, and collections. Each aggregation can include one or more digital objects. Each series can include one or more aggregations and each collection can include one or more series. Objects also can be organized in groups associated with a particular dissemination. In addition, multiple objects can be described as being stored on an instance of storage media housed at a specific location.
Description of Crosswalks

Crosswalks identify fields of the data model that correspond to fields described in current standards, requirements, and other data models that are pertinent to the management and preservation of geospatial data, electronic records, and digital objects. The crosswalks to these schemas identify similarities found between definitions for fields of the data model and definitions of elements in the schemas. Each crosswalk identifies fields of the data model that are mapped to the required and optional elements included in a particular schema. The crosswalks represent interpretations of similarities between individual field definitions and do not imply compliance or conformance of the data model with a particular schema. Matched fields indicate the potential for use that could be consistent with the schema.

Crosswalks for the data model describe potential compatibility with standards and other schemas that are applicable to electronic records management and digital preservation. In each crosswalk, similar definitions or potential for consistency between fields of the data model and one or more elements of a schema have been identified by including the name of each element on the same row as the field. Table 1 lists the standards and other schemas that have been matched to the data model in crosswalks.

<table>
<thead>
<tr>
<th>Table 1. Standards and Other Schemas Matched to the Data Model in Crosswalks</th>
</tr>
</thead>
</table>

The crosswalks provide opportunities for comparing the data model to other data models and standards. Crosswalks can be informative when using the data model to design a database or schema that is compliant, compatible, or interoperable with other standards. A particular
crosswalk could be used to achieve interoperability with another system that complies with a particular standard. The crosswalks also identify fields that might be improved to comply with a particular schema. Identifying common compatibilities with schemas also can facilitate transfer of objects between systems. In addition, the crosswalks facilitate potential interoperability by identifying fields with values that can be exported to catalogs harvested by other services.

The data model also accommodates standards or schemas, regardless of whether the elements are mapped in a crosswalk to the data model. Fields within the Document table of the data model can be used to describe documents containing descriptive information or documentation about a digital object. Specifications for the standard or schema to which each document conforms can be maintained within these fields to facilitate subsequent processes on the information contained within such documents.

**Implementation**

The tables and fields of the data model could be included in a database management system that is integrated as part of a digital repository system for managing and preserving GERs and other digital objects within collections. Fields specified within the data model also could be included in a database that provides access to record-keeping information or related metadata describing GERs that have been created or acquired by an organization or agency.

The data model offers flexibility for implementation to accommodate the unique needs of each organization choosing to apply the model for managing and preserving GERs and other digital objects throughout their entire life cycle. The entire data model or selected tables and fields can be included in the design of a database management system developed to manage geospatial data and other scientific data or electronic records. The tables and fields of the data model define specific information to be captured for data management are applicable for inclusion in a database or in a schema for describing GERs and other digital objects within collections being managed. Even though the ER diagram of the data model suggests implementation in a relational database management system, implementation of the data model could employ other types of database management systems or alternative system architectures.

The flexibility of the data model and consistency with the evolving standards, frameworks, and other models identified enables implementers to establish specific implementation details that reflect the plans and requirements of the organization. The data model could be implemented as a stand-alone database management system designed to serve only as a record-keeping system for managing information about the contents and the status of digital objects and collections managed or it could be implemented in a database management system that is part of an integrated digital repository system providing access to objects for management, preservation, and even public dissemination. Integrating information stored in the database with the contents of the data stored in one or more digital repositories could facilitate the development of a system for managing GERs as part of a digital archive or an electronic records management system, digital asset management system, or content management systems to support the stewardship of digital objects. Regardless of the type of information system established for managing and preserving digital objects, implementation of the data model also could provide electronic-
record-keeping capabilities to support the stewardship of physical objects, such as printed media or other artifacts that could be associated with digital objects.

Organizations that have decided to implement a record-keeping system or a records management system that is consistent with a particular standard may employ the data model to identify fields to be considered for inclusion in the implementation. Definitions for each field should be reviewed and modified if necessary, to ensure that each field meets the particular internal needs or the organization as well as to ensure that each field will be compliant with any current standards that may be adopted. Similarly, the values included with a field description definition should serve as examples of the kinds of values to be considered for populating the field.

Independent of the implementation architecture, labor concerns associated with the population of fields should not dictate the selection of fields to be included in an implementation. Fields identified as necessary for a specific process can be designated as mandatory, enabling priorities for implementation. In addition, automating data management and preservation processes for the population of selected fields could improve efficiency and reduce the potential for human error.

Sources

The data model is based on a review of current standards, requirements, and examples that identify metadata and other information relevant for inclusion in systems for managing and preserving GERs, digital objects, and digital collections. These sources have been reviewed to identify information elements that have the potential for implementation in a system to support data stewardship and electronic records management. Elements also were included if they corresponded to needs identified in the study of practitioners concerned with managing and preserving geospatial electronic records (Downs & Chen, in preparation). In addition, many of the elements were identified to support plans, polices, and procedures of the Columbia University Center for International Earth Science Information Network (CIESIN), which serves as a data center for programs and projects that each have their own collections with individual requirements for data management.

Fields of the data model are derived or adopted from elements and concepts identified from these sources. Many concepts that are common among these sources have been adopted for inclusion in the tables and fields of the data model. In addition, some concepts included in the data model may not currently appear in any of these sources, but have been identified to capture information that is necessary to serve a particular purpose.

The titles and definitions of fields and tables of the data model are consistent with those found in the elements of the sources reviewed. In many cases, titles have been established for the tables and fields of the data model to reflect common usage among the sources reviewed. For example, a field with the title City may be found in many databases and metadata schemas as part of the information to describe an address. Standards, requirements, and other schemas that have been reviewed to inform the design of the data model are listed in the References section.
# Data Dictionary

## Collection Table
Collection describes a logical unit that consists of one or more series.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>CollectionID</td>
<td>Database generated, Primary Key</td>
<td>Integer not null</td>
</tr>
<tr>
<td>Title</td>
<td>Title for a Collection: CIESIN Archive, SEDAC Scientific Data Archives, specific project Archive.</td>
<td>String</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the collection and keywords.</td>
<td>String</td>
</tr>
<tr>
<td>AccessReqmnt</td>
<td>Requirements for accessing the collection: Object Specific Requirements, CMB Approval, Systems Manager Approval.</td>
<td>String</td>
</tr>
<tr>
<td>InstallReqmnt</td>
<td>Requirements for installation of collection</td>
<td>String</td>
</tr>
<tr>
<td>SizeReqmnt</td>
<td>Storage volume requirement for collection, automatically calculated.</td>
<td>String</td>
</tr>
<tr>
<td>AccessInhibitor</td>
<td>Method(s) employed to inhibit access to collection that could affect preservation, such as encryption or watermarking.</td>
<td>String</td>
</tr>
<tr>
<td>FindingAid</td>
<td>Method used to facilitate discovery of collection.</td>
<td>String</td>
</tr>
<tr>
<td>PresrvPermission</td>
<td>Statement of permission to copy collection or migrate to various formats for preservation.</td>
<td>String</td>
</tr>
<tr>
<td>RelationDesc</td>
<td>Description of relationships, relevant for preservation, between collection and other objects or collections.</td>
<td>String</td>
</tr>
<tr>
<td>Quirk</td>
<td>Characteristic that could degrade functionality or aspects of the collection.</td>
<td>String</td>
</tr>
<tr>
<td>Purpose</td>
<td>Purpose and reason for archiving the collection: Funding Agency Requirement; Scientific Value; Historical value; Fiduciary responsibility.</td>
<td>String</td>
</tr>
<tr>
<td>DecisionDate</td>
<td>Date of decision to archive the collection.</td>
<td>Date</td>
</tr>
<tr>
<td>AccessStartDate</td>
<td>Date access was provided to collection.</td>
<td>Date</td>
</tr>
<tr>
<td>AccessEndDate</td>
<td>Date when access to collection ended.</td>
<td>Date</td>
</tr>
<tr>
<td>DeaccessionDate</td>
<td>Date collection was deaccessioned by archive.</td>
<td>Date</td>
</tr>
<tr>
<td>Note</td>
<td>Notes about collection.</td>
<td>String</td>
</tr>
</tbody>
</table>
### Series Table
Series describes a logical unit that is part of a collection and consists of one or more aggregates.

<table>
<thead>
<tr>
<th><strong>SeriesID</strong></th>
<th>Database generated, Primary Key</th>
<th>Integer not null</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CollectionID</strong></td>
<td>Foreign Key, Collection Table</td>
<td>Integer not null</td>
</tr>
<tr>
<td><strong>Title</strong></td>
<td>Title of a record series category within a Collection: CIESIN Administrative Records, CIESIN Records Common to All Projects, CIESIN Scientific Data, SEDAC Operations Records, SEDAC Active Archive, SEDAC Long-Term Archive.</td>
<td>String</td>
</tr>
<tr>
<td><strong>SeriesCode</strong></td>
<td>Unique identifier for the record category: SEDAC Active Archive, SEDAC Long-Term Archive, CIESIN Archive, Series 100 CIESIN Records, Series 500 CIESIN Records, Series 600 SEDAC Operations Records, Series 700 SEDAC Active Archive, Series 800 Series Long-Term Archive.</td>
<td>String</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Description of the series and keywords.</td>
<td>String</td>
</tr>
<tr>
<td><strong>VRIndicator</strong></td>
<td>Category of vital records, if applicable, for the series: Non-Vital Records, Emergency - Operating Records, Legal or Financial Rights, Emergency and Rights Records.</td>
<td>String</td>
</tr>
<tr>
<td><strong>VRReviewDate</strong></td>
<td>Date of next review of vital records in series.</td>
<td>Date</td>
</tr>
<tr>
<td><strong>Activity</strong></td>
<td>Level of use for series, assignment based on SeriesActivity.</td>
<td>String</td>
</tr>
<tr>
<td><strong>ActivityDate</strong></td>
<td>Date when activity for the series was reviewed and assigned.</td>
<td>Date</td>
</tr>
<tr>
<td><strong>CutoffDate</strong></td>
<td>Date to cutoff records in series.</td>
<td>Date</td>
</tr>
<tr>
<td><strong>AnnualAccum</strong></td>
<td>Estimate of annual accumulation of records in series.</td>
<td>String</td>
</tr>
<tr>
<td><strong>AccessStartDate</strong></td>
<td>Date when access to series began.</td>
<td>Date</td>
</tr>
<tr>
<td><strong>AccessEndDate</strong></td>
<td>Date when access to series ended.</td>
<td>Date</td>
</tr>
<tr>
<td><strong>DeaccessionDate</strong></td>
<td>Date of deaccession for all records in series.</td>
<td>Date</td>
</tr>
<tr>
<td><strong>Note</strong></td>
<td>Notes about the series.</td>
<td>String</td>
</tr>
</tbody>
</table>

### SeriesActivity Table
SeriesActivity describes usage activity for a series during a given period that may be collected from web server logs, system or application statistics, or similar sources.

<table>
<thead>
<tr>
<th><strong>SeriesActivityID</strong></th>
<th>Database generated, Primary Key</th>
<th>Integer not null</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SeriesID</strong></td>
<td>Foreign Key, Series Table.</td>
<td>Integer not null</td>
</tr>
<tr>
<td><strong>PeriodStartDate</strong></td>
<td>Date series activity period began.</td>
<td>Date</td>
</tr>
<tr>
<td><strong>PeriodEndDate</strong></td>
<td>Date series activity period ended.</td>
<td>Date</td>
</tr>
<tr>
<td><strong>UniqueUserCnt</strong></td>
<td>Number of unique users of series during period.</td>
<td>Integer</td>
</tr>
<tr>
<td><strong>TotalUserCnt</strong></td>
<td>Total number of users of series during period.</td>
<td>Integer</td>
</tr>
<tr>
<td><strong>Note</strong></td>
<td>Notes about series activity for a given period.</td>
<td>String</td>
</tr>
</tbody>
</table>
**Aggregate Table**

Aggregate describes a logical unit of objects organized within a series.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>AggregateID</td>
<td>Database generated, Primary Key</td>
<td>Integer not null</td>
</tr>
<tr>
<td>SeriesID</td>
<td>Foreign Key, Series Table</td>
<td>Integer not null</td>
</tr>
<tr>
<td>Title</td>
<td>Title of Aggregate category assignment. For SEDAC Scientific Data Series mission areas: PLUE, ENTRI, EH, MVA, HVA, PFS, ES, EX, IG.</td>
<td>String</td>
</tr>
<tr>
<td>AccessStartDate</td>
<td>Date access to aggregate began.</td>
<td>Date</td>
</tr>
<tr>
<td>AccessEndDate</td>
<td>Date when access to aggregate ended.</td>
<td>Date</td>
</tr>
<tr>
<td>DeaccessionDate</td>
<td>Date of deaccession for all records in aggregate.</td>
<td>Date</td>
</tr>
<tr>
<td>Note</td>
<td>Notes about Aggregate.</td>
<td>String</td>
</tr>
</tbody>
</table>

**Provenance Table**

Provenance describes the history and changes that occur during the entire lifecycle of an object and includes information to facilitate discovery within the system.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>ProvenanceID</td>
<td>Database generated, Primary Key</td>
<td>Integer not null</td>
</tr>
<tr>
<td>AggregateID</td>
<td>Foreign Key, Aggregate Table</td>
<td>Integer not null</td>
</tr>
<tr>
<td>Origin</td>
<td>Description of the creation process of the object.</td>
<td>String</td>
</tr>
<tr>
<td>Title</td>
<td>Formal Title that identifies or describes the object.</td>
<td>String</td>
</tr>
<tr>
<td>Version</td>
<td>Identification to differentiate object from other versions.</td>
<td>String</td>
</tr>
<tr>
<td>Prelingest</td>
<td>Description of pre-ingest processing and custody of object.</td>
<td>String</td>
</tr>
<tr>
<td>CreationDate</td>
<td>Date object was completed by Author.</td>
<td>Date</td>
</tr>
<tr>
<td>SubmissionDate</td>
<td>Date object was submitted to the archive for ingest.</td>
<td>Date</td>
</tr>
<tr>
<td>Citation</td>
<td>Complete citation for object.</td>
<td>String</td>
</tr>
<tr>
<td>DesignatedCommunity</td>
<td>Description of designated community of users, potential users, or audience for the object: Human interactions in the environment community, Decision-maker, Learner, Manager, Scientist, Teacher.</td>
<td>String</td>
</tr>
<tr>
<td>ReqPreservationService</td>
<td>Level of preservation service or preservation plan requested by submitter or data provider: Preserve Original Formats; Preserve Content in Supported Formats.</td>
<td>String</td>
</tr>
<tr>
<td>ReqDisseminatnService</td>
<td>Level of dissemination service or dissemination plan requested by submitter or data provider: Restricted dissemination. Public Dissemination.</td>
<td>String</td>
</tr>
<tr>
<td>ReasonForCreation</td>
<td>Reason or purpose for creating the described object.</td>
<td>String</td>
</tr>
<tr>
<td>CustodyHistory</td>
<td>Chain of custody of object prior to ingest into archive.</td>
<td>String</td>
</tr>
<tr>
<td>ReasonForPreservation</td>
<td>Justification for selecting object for preservation in archive.</td>
<td>String</td>
</tr>
<tr>
<td>AcquisitionDate</td>
<td>Date original object was acquired by archive.</td>
<td>Date</td>
</tr>
<tr>
<td>AcquisitionVolume</td>
<td>Volume of original object acquired by archive.</td>
<td>String</td>
</tr>
<tr>
<td>AcquisitionFileInventory</td>
<td>List of all files in original object acquired by archive.</td>
<td>String</td>
</tr>
<tr>
<td>ReceivedDate</td>
<td>Date object received by the Archivist.</td>
<td>Date</td>
</tr>
<tr>
<td>DeaccessionDate</td>
<td>Date the object was deaccessioned from archive.</td>
<td>Date</td>
</tr>
<tr>
<td>AIPVolume</td>
<td>Total Size of the Archival Information Package created by the archive to preserve the Content Information and Associated Material</td>
<td>String</td>
</tr>
<tr>
<td>ContentInformationSize</td>
<td>Size of Content Information of the Archival Information Package in Bytes.</td>
<td>Integer</td>
</tr>
<tr>
<td>AssociatedMaterialSize</td>
<td>Size of material associated with the Content Information of the AIP in Bytes.</td>
<td>Integer</td>
</tr>
<tr>
<td>Functionality</td>
<td>Description of any functional characteristics of the object.</td>
<td>String</td>
</tr>
<tr>
<td><strong>AIPFileInventory</strong></td>
<td>List of all filenames and sizes organized by the directory structure.</td>
<td>String</td>
</tr>
<tr>
<td>----------------------</td>
<td>------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td><strong>AIPDataDictionary</strong></td>
<td>List of each filename in object with title of document or description for each file, including alternate formats.</td>
<td>String</td>
</tr>
<tr>
<td><strong>AIP</strong></td>
<td>All the files within their preservation structure, containing Content Information and Associated Information that has been transformed by the Archive for preservation (location in system if dbms is part of the repository).</td>
<td>String</td>
</tr>
<tr>
<td><strong>AIPCreationDate</strong></td>
<td>Date archive created Preservation Master for Archival Information Package.</td>
<td>String</td>
</tr>
<tr>
<td><strong>ReceivedSIP</strong></td>
<td>All of the files (within their original structure) received from the provider in the Submission Information Package (SIP) containing the Content Information and all Associated Information for the original object acquired (stored in system if dbms is part of the repository).</td>
<td>String</td>
</tr>
<tr>
<td><strong>PreparedSIP</strong></td>
<td>All of the files (within their preservation structure), containing the Content Information and the Associated Information that have been prepared by the Archive for submission to another Archive or Collection (stored in system if dbms is part of the repository).</td>
<td>String</td>
</tr>
<tr>
<td><strong>VitalRecordIndicator</strong></td>
<td>Vital Record status of object: Non-Vital Record, Emergency - Operating Record, Legal or Financial Rights Record, Emergency and Rights Record.</td>
<td>String</td>
</tr>
<tr>
<td><strong>PermRecordIndicator</strong></td>
<td>Indicator that the record is a Permanent Record: N, Y.</td>
<td>String</td>
</tr>
<tr>
<td><strong>RecordCondition</strong></td>
<td>Condition of record.</td>
<td>String</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Description of the intellectual content of the object.</td>
<td>String</td>
</tr>
<tr>
<td><strong>Methodology</strong></td>
<td>Instruments and techniques used to create the data.</td>
<td>String</td>
</tr>
<tr>
<td><strong>Variable</strong></td>
<td>Variables, layouts, and codes used to describe the data.</td>
<td>String</td>
</tr>
<tr>
<td><strong>SpatialCoverageDesc</strong></td>
<td>Political or geographical description of spatial coverage.</td>
<td>String</td>
</tr>
<tr>
<td><strong>SpatialCoverageNote</strong></td>
<td>Latitude and longitude covered, if available.</td>
<td>String</td>
</tr>
<tr>
<td><strong>SpatialResolution</strong></td>
<td>Spatial Resolution.</td>
<td>String</td>
</tr>
<tr>
<td><strong>SpatialResolutionNote</strong></td>
<td>Notes on the spatial resolution of the object.</td>
<td>String</td>
</tr>
<tr>
<td><strong>SRS</strong></td>
<td>Spatial Reference System used for spatial resolution.</td>
<td>String</td>
</tr>
<tr>
<td><strong>BBoxMinX</strong></td>
<td>Minimum X Coordinate (Longitude) for the Bounding Box.</td>
<td>Number</td>
</tr>
<tr>
<td><strong>BBoxMinY</strong></td>
<td>Minimum Y Coordinate (Latitude) for the Bounding Box.</td>
<td>Number</td>
</tr>
<tr>
<td><strong>BBoxMaxX</strong></td>
<td>Maximum X Coordinate (Longitude) for the Bounding Box.</td>
<td>Number</td>
</tr>
<tr>
<td><strong>BBoxMaxY</strong></td>
<td>Maximum Y Coordinate (Latitude) for the Bounding Box.</td>
<td>Number</td>
</tr>
<tr>
<td><strong>SpatialCoverage</strong></td>
<td>If database supports native spatial data types, this field should be used to store actual shape of spatial coverage.</td>
<td>Database specific</td>
</tr>
</tbody>
</table>
**Retention Table**
Retention describes the retention schedule and instructions for the provenance of either an object or a series.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>RetentionID</td>
<td>Database generated, Primary Key</td>
<td>Integer</td>
</tr>
<tr>
<td>ProvenanceID</td>
<td>Foreign Key, Provenance Table, if retention relates to provenance.</td>
<td>Integer</td>
</tr>
<tr>
<td>SeriesID</td>
<td>Foreign Key, Series Table, if retention relates to series.</td>
<td>Integer</td>
</tr>
<tr>
<td>Instruction</td>
<td>Instructions for retention or disposition of record or series: Review every Five Years, Retain Indefinitely, Freeze, Transfer to LTA, Retire, Destroy.</td>
<td>String</td>
</tr>
<tr>
<td>InstructionReason</td>
<td>Justification for retention instructions on record or series.</td>
<td>String</td>
</tr>
<tr>
<td>InstructionActDate</td>
<td>Date instructions were decided for record or series.</td>
<td>Date</td>
</tr>
<tr>
<td>ScheduleDate</td>
<td>Date record or series will be reviewed.</td>
<td>Date</td>
</tr>
<tr>
<td>Authority</td>
<td>Name of individual or group deciding on instructions for record or series: SEDAC UWG, LTA Board.</td>
<td>String</td>
</tr>
</tbody>
</table>

**TemporalData Table**
TemporalData describes temporal aspects of the information in an object and can cover one or more time periods.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>TemporalDataID</td>
<td>Database generated, Primary Key</td>
<td>Integer</td>
</tr>
<tr>
<td>ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
<td>Integer</td>
</tr>
<tr>
<td>TCovPrecision</td>
<td>Precision of data used to describe temporal coverage: Year, Month, Day.</td>
<td>String</td>
</tr>
<tr>
<td>TCovStart</td>
<td>Start date for data collection.</td>
<td>Date</td>
</tr>
<tr>
<td>TCovEnd</td>
<td>End date for data collection.</td>
<td>Date</td>
</tr>
<tr>
<td>TCovProjectionTo</td>
<td>Date of temporal coverage projection to a future date.</td>
<td>Date</td>
</tr>
<tr>
<td>TresDescription</td>
<td>Description of temporal resolution, time intervals between successive observations, frequency of granule production.</td>
<td>String</td>
</tr>
</tbody>
</table>

**Relationship Table**
Relationship describes a relationship between two provenances, in the form FromProvenanceID - Relation – ToProvenanceID, for example: 1289 - is Derivative of - 158.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>FromProvenanceID</td>
<td>Foreign Key, Provenance Table, part of Primary Key</td>
<td>Integer</td>
</tr>
<tr>
<td>ToProvenanceID</td>
<td>Foreign Key, Provenance Table, part of Primary Key</td>
<td>Integer</td>
</tr>
<tr>
<td>RelationStartDate</td>
<td>Date relationship began.</td>
<td>Date</td>
</tr>
<tr>
<td>RelationEndDate</td>
<td>Date relationship ended.</td>
<td>Date</td>
</tr>
<tr>
<td>Note</td>
<td>Note about the relationship.</td>
<td>String</td>
</tr>
</tbody>
</table>
### Identification Table

Identification describes unique identifiers assigned by an authority to the provenance of an object.

<table>
<thead>
<tr>
<th>IdentificationID</th>
<th>Database generated, Primary Key</th>
<th>Integer not null</th>
</tr>
</thead>
<tbody>
<tr>
<td>ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
<td>Integer not null</td>
</tr>
<tr>
<td>IdentifierType</td>
<td>Type of identifier for which the object has been assigned a unique ID: Global Identifier, TDB ID, UMDB Rec #, DOI, ISBN.</td>
<td>String</td>
</tr>
<tr>
<td>IdentifierAssigned</td>
<td>Unique Identifier assigned to an object for an identifier type.</td>
<td>String</td>
</tr>
</tbody>
</table>
## ProvReference Table

ProvReference describes a work that references the provenance of an object.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>ProvReferenceID</td>
<td>Database generated, Primary Key</td>
<td>Integer not null</td>
</tr>
<tr>
<td>ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
<td>Integer not null</td>
</tr>
<tr>
<td>RefAuthor</td>
<td>Names of authors of reference work.</td>
<td>String</td>
</tr>
<tr>
<td>RefAuthorRole</td>
<td>Role of authors of reference work (Eds.)</td>
<td>String</td>
</tr>
<tr>
<td>RefTitle</td>
<td>Title of reference work.</td>
<td>String</td>
</tr>
<tr>
<td>MonographAuthor</td>
<td>Author names of monograph containing reference work.</td>
<td>String</td>
</tr>
<tr>
<td>MonogrAuthRole</td>
<td>Role of authors of monograph containing reference work (Eds.)</td>
<td>String</td>
</tr>
<tr>
<td>MonographTitle</td>
<td>Title of monograph containing reference work.</td>
<td>String</td>
</tr>
<tr>
<td>JournalTitle</td>
<td>Title of journal containing reference work.</td>
<td>String</td>
</tr>
<tr>
<td>TranslatedTitle</td>
<td>English translation of title if in another language.</td>
<td>String</td>
</tr>
<tr>
<td>SubsidiaryAuthor</td>
<td>Names of subsidiary authors if author is an institution.</td>
<td>String</td>
</tr>
<tr>
<td>PublicationPlace</td>
<td>Location where reference work is published.</td>
<td>String</td>
</tr>
<tr>
<td>Publisher</td>
<td>Name of reference work publisher.</td>
<td>String</td>
</tr>
<tr>
<td>PublicationDate</td>
<td>Date reference work was published.</td>
<td>String</td>
</tr>
<tr>
<td>PublicationYear</td>
<td>Year when reference work was published.</td>
<td>Integer</td>
</tr>
<tr>
<td>CopyrightDate</td>
<td>Date of copyright for reference work.</td>
<td>String</td>
</tr>
<tr>
<td>VolumeID</td>
<td>Volume identifier of reference work.</td>
<td>String</td>
</tr>
<tr>
<td>IssueID</td>
<td>Issue identifier of reference work.</td>
<td>String</td>
</tr>
<tr>
<td>Page</td>
<td>Range of pages of reference work.</td>
<td>String</td>
</tr>
<tr>
<td>WorkExtent</td>
<td>Total number of pages of reference work.</td>
<td>String</td>
</tr>
<tr>
<td>PackagingMethod</td>
<td>Public accessibility of reference work.</td>
<td>String</td>
</tr>
<tr>
<td>SeriesEditor</td>
<td>Editor of series containing reference work.</td>
<td>String</td>
</tr>
<tr>
<td>SeriesEditorRole</td>
<td>Role of Editor for series containing reference work.</td>
<td>String</td>
</tr>
<tr>
<td>SeriesTitle</td>
<td>Title of series containing reference work.</td>
<td>String</td>
</tr>
<tr>
<td>SeriesVolumeID</td>
<td>Volume identifier for series containing reference work.</td>
<td>String</td>
</tr>
<tr>
<td>SeriesIssueID</td>
<td>Issue identifier for series containing reference work.</td>
<td>String</td>
</tr>
<tr>
<td>DocumentType</td>
<td>Type of reference work. Ex: Journal, Book, Proceedings</td>
<td>String</td>
</tr>
<tr>
<td>URL</td>
<td>URL of text or full reference of reference work.</td>
<td>String</td>
</tr>
<tr>
<td>Availability</td>
<td>File path or file cabinet if stored, or blank if not available.</td>
<td>String</td>
</tr>
<tr>
<td>Note</td>
<td>Note about reference work.</td>
<td>String</td>
</tr>
<tr>
<td>RefAbstract</td>
<td>Abstract of reference work.</td>
<td>String</td>
</tr>
<tr>
<td>CallNumber</td>
<td>Identifier in classification system (LOC, Dewey, or other).</td>
<td>String</td>
</tr>
<tr>
<td>ReferenceType</td>
<td>Use of object by reference work. Ex: Report,</td>
<td>String</td>
</tr>
<tr>
<td>RefCitation</td>
<td>Complete bibliographic reference for reference work.</td>
<td>String</td>
</tr>
<tr>
<td>RefCitSource</td>
<td>Citation database or service listing reference and date found.</td>
<td>String</td>
</tr>
<tr>
<td>RefUseRight</td>
<td>Right or permission to use reference work, citation, or abstract.</td>
<td>String</td>
</tr>
<tr>
<td>RefAccessRight</td>
<td>Right/permission to access or link reference work, citation or abstract.</td>
<td>String</td>
</tr>
<tr>
<td>DisplayOrder</td>
<td>Order in which reference work will appear in reference list.</td>
<td>Integer Default 1 not null</td>
</tr>
</tbody>
</table>
### Property Table

Property describes a property, grouped as parent-child relations, which can be assigned to a provenance.

<table>
<thead>
<tr>
<th>PropertyID</th>
<th>Database generated, Primary Key</th>
<th>Integer not null</th>
</tr>
</thead>
<tbody>
<tr>
<td>PropertyParentID</td>
<td>Foreign Key, Property Table</td>
<td>Integer not null</td>
</tr>
<tr>
<td>PropertyName</td>
<td>Name of the property describing an object: Ingest Status, Ingest Format Processing, Significant Property, DCMI Type, Document Type, Content Type, Subject, Language. For Ingest Status: Under Development by Creator, Being Prepared for Submission, Received by Archivist, Content Review Pending, Content Under Review by Archivist, Content Review Complete, Description Pending, Description Under Review, Description Complete, DOI Assigned, Quality Review Pending, Quality Review Complete, Failed Content Quality Review. Rejected - Data Returned to Creator, Ingested, Destroyed; For Ingest Format Processing: All files Ingested in Supported Formats, Original Non-Supported Formats Only, Original formats and All Files Migrated to Supported Formats; For Significant Properties: Intellectual Content of Text, intellectual content of image; For DCMI Type: Collection, Dataset, Event, Image, Interactive Resource, Moving Image, Physical Object, Service, Software, Sound, Still Image; For Document Type (ISO 19115 Document Type): PresentationFormCode: documentDigital, documentHardcopy, imageDigital, imageHardcopy, mapDigital, mapHardcopy, modelDigital, modelHardcopy, profileDigital, profileHardcopy, tableDigital, tableHardcopy, videoDigital, videoHardcopy; Content Type: Data, Documentation, Permission; Subject thesaurus or controlled vocabulary; Language: English, Spanish.</td>
<td>String not null</td>
</tr>
<tr>
<td>PropertyDesc</td>
<td>Description of a property.</td>
<td>String</td>
</tr>
<tr>
<td>PropertyStatus</td>
<td>Current status of the property: Valid, Not in Use.</td>
<td>String</td>
</tr>
</tbody>
</table>

### ProvenanceProperty Table

ProvenanceProperty describes a property pertaining to the provenance of an object. Normally, the lowest level child of the parent-child relationship is associated with a property. For example, a provenance can be linked to the child, “Received by Archivist”, in the context of the parent, “Ingest Status”.

<table>
<thead>
<tr>
<th>ProvenancePropertyID</th>
<th>Database generated, Primary Key</th>
<th>Integer not null</th>
</tr>
</thead>
<tbody>
<tr>
<td>ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
<td>Integer not null</td>
</tr>
<tr>
<td>PropertyID</td>
<td>Foreign Key, Property Table</td>
<td>Integer not null</td>
</tr>
<tr>
<td>PPStartDate</td>
<td>Date when property began</td>
<td>Date</td>
</tr>
<tr>
<td>PPEndDate</td>
<td>Date when property ended</td>
<td>Date</td>
</tr>
<tr>
<td>Note</td>
<td>Note about property as it pertains to a particular provenance.</td>
<td>String</td>
</tr>
</tbody>
</table>
**ProvenanceNote Table**
ProvenanceNote describes a note about the provenance of an object.

<table>
<thead>
<tr>
<th>ProvenanceNoteID</th>
<th>Database generated, Primary Key</th>
<th>Integer not null</th>
</tr>
</thead>
<tbody>
<tr>
<td>ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
<td>Integer not null</td>
</tr>
<tr>
<td>NoteText</td>
<td>Note about the provenance of an object.</td>
<td>String not null</td>
</tr>
<tr>
<td>PostedBy</td>
<td>Person who posted the note about the provenance of an object.</td>
<td>String</td>
</tr>
<tr>
<td>PostedOn</td>
<td>Date the note was posted.</td>
<td>Date</td>
</tr>
<tr>
<td>NoteType</td>
<td>Type of provenance note: Accession, Maintenance, Disposition.</td>
<td>String</td>
</tr>
</tbody>
</table>

**OtherTitle Table**
OtherTitle describes another title that has been assigned to the provenance of an object.

<table>
<thead>
<tr>
<th>OtherTitleID</th>
<th>Database generated, Primary Key</th>
<th>Integer not null</th>
</tr>
</thead>
<tbody>
<tr>
<td>ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
<td>Integer not null</td>
</tr>
<tr>
<td>TitleType</td>
<td>Alternate Title, Former Title</td>
<td>String not null</td>
</tr>
<tr>
<td>Title</td>
<td>Other title of an object.</td>
<td>String</td>
</tr>
<tr>
<td>Note</td>
<td>Note about the other title of an object.</td>
<td>String</td>
</tr>
</tbody>
</table>

**Person Table**
Person describes a person serving in a role of responsibility or authority for an object.

<table>
<thead>
<tr>
<th>PersonID</th>
<th>Database generated, Primary Key</th>
<th>Integer not null</th>
</tr>
</thead>
<tbody>
<tr>
<td>ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
<td>Integer not null</td>
</tr>
<tr>
<td>PersonRole</td>
<td>Role of responsible person: Author, Contributor, Recipient, Internal Contact, Accessioner, Originating Organization Technical Contact, Originating Organization Program Contact, Environment Manager, Security Official.</td>
<td>String not null</td>
</tr>
<tr>
<td>PersonOrder</td>
<td>Order in which person will appear in a Person Role list, if sorted.</td>
<td>Integer default 1 not null</td>
</tr>
<tr>
<td>FirstName</td>
<td>First name of person.</td>
<td>String</td>
</tr>
<tr>
<td>LastName</td>
<td>Last name of person.</td>
<td>String not null</td>
</tr>
<tr>
<td>Address1</td>
<td>Line 1 of person address.</td>
<td>String</td>
</tr>
<tr>
<td>Address2</td>
<td>Line 2 of person address.</td>
<td>String</td>
</tr>
<tr>
<td>City</td>
<td>City of person.</td>
<td>String</td>
</tr>
<tr>
<td>State</td>
<td>State of person.</td>
<td>String</td>
</tr>
<tr>
<td>Country</td>
<td>Country of person.</td>
<td>String</td>
</tr>
<tr>
<td>PostalCode</td>
<td>Postal code address for person.</td>
<td>String</td>
</tr>
<tr>
<td>Phone</td>
<td>Telephone number for person.</td>
<td>String</td>
</tr>
<tr>
<td>Fax</td>
<td>Fax number for person.</td>
<td>String</td>
</tr>
<tr>
<td>Email1</td>
<td>Primary e-mail address for person.</td>
<td>String</td>
</tr>
<tr>
<td>Email2</td>
<td>Second e-mail address for person.</td>
<td>String</td>
</tr>
<tr>
<td>Note</td>
<td>Note about person.</td>
<td>String</td>
</tr>
</tbody>
</table>
### Institution Table

Institution describes an institution that is responsible for some aspect of an object.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>InstitutionID</td>
<td>Database generated, Primary Key</td>
<td>Integer not null</td>
</tr>
<tr>
<td>ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
<td>Integer not null</td>
</tr>
<tr>
<td>InstitutionRole</td>
<td>Role of institution for object. Originating Organization, Program Support.</td>
<td>String not null</td>
</tr>
<tr>
<td>InstitutionOrder</td>
<td>Order in which the institution will appear on an institution role list if higher priority has been assigned.</td>
<td>Integer default 1 not null</td>
</tr>
<tr>
<td>InstitutionName</td>
<td>Name of institution.</td>
<td>String not null</td>
</tr>
<tr>
<td>Address1</td>
<td>Line 1 of institution address.</td>
<td>String</td>
</tr>
<tr>
<td>Address2</td>
<td>Line 2 of institution address.</td>
<td>String</td>
</tr>
<tr>
<td>City</td>
<td>City of institution.</td>
<td>String</td>
</tr>
<tr>
<td>State</td>
<td>State of institution.</td>
<td>String</td>
</tr>
<tr>
<td>Country</td>
<td>Country of institution.</td>
<td>String</td>
</tr>
<tr>
<td>PostalCode</td>
<td>Postal code for institution address.</td>
<td>String</td>
</tr>
<tr>
<td>Phone</td>
<td>Telephone number for institution.</td>
<td>String</td>
</tr>
<tr>
<td>Fax</td>
<td>Fax number for institution.</td>
<td>String</td>
</tr>
<tr>
<td>Website</td>
<td>Website URL for institution.</td>
<td>String</td>
</tr>
<tr>
<td>Note</td>
<td>Note about institution.</td>
<td>String</td>
</tr>
</tbody>
</table>

### Document Table

Document describes a document that contains descriptive documentation for an object.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>DocumentID</td>
<td>Database generated, Primary Key</td>
<td>Integer not null</td>
</tr>
<tr>
<td>ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
<td>Integer not null</td>
</tr>
<tr>
<td>Title</td>
<td>Title of document describing the object.</td>
<td>String not null</td>
</tr>
<tr>
<td>ArchivalID</td>
<td>Identifier of the document if recorded as a provenance.</td>
<td>Integer</td>
</tr>
<tr>
<td>AccessPoint</td>
<td>URL of access point that disseminates document (http://…; ftp://…).</td>
<td>String</td>
</tr>
<tr>
<td>FileName</td>
<td>Filename of the document.</td>
<td>String</td>
</tr>
<tr>
<td>Language</td>
<td>Language in which the document is written: English, Spanish.</td>
<td>String</td>
</tr>
<tr>
<td>AdditionalInfo</td>
<td>Additional information about the document.</td>
<td>String</td>
</tr>
</tbody>
</table>
**Distributor Table**
Distributor describes an entity that serves as a distributor for a dissemination of one or more objects.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Data Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>DistributorID</td>
<td>Database generated, Primary Key</td>
<td>Integer not null</td>
</tr>
<tr>
<td>DistributorName</td>
<td>Name of the service that distributes a dissemination of an object: CIESIN, Columbia Earth Institute, SEDAC, SEDAC LTA.</td>
<td>String not null</td>
</tr>
<tr>
<td>Address1</td>
<td>Line 1 of distributor address.</td>
<td>String</td>
</tr>
<tr>
<td>Address2</td>
<td>Line 2 of distributor address.</td>
<td>String</td>
</tr>
<tr>
<td>City</td>
<td>City of distributor.</td>
<td>String</td>
</tr>
<tr>
<td>State</td>
<td>State of distributor.</td>
<td>String</td>
</tr>
<tr>
<td>PostalCode</td>
<td>Postal Code of distributor.</td>
<td>String</td>
</tr>
<tr>
<td>Country</td>
<td>Country of distributor.</td>
<td>String</td>
</tr>
<tr>
<td>Telephone</td>
<td>Telephone number of distributor.</td>
<td>String</td>
</tr>
<tr>
<td>Fax</td>
<td>Fax number of distributor.</td>
<td>String</td>
</tr>
<tr>
<td>URL</td>
<td>URL of distributor.</td>
<td>String</td>
</tr>
<tr>
<td>Email</td>
<td>Email address of distributor.</td>
<td>String</td>
</tr>
<tr>
<td>Website</td>
<td>Website of distributor.</td>
<td>String</td>
</tr>
</tbody>
</table>

**Dissemination Table**
Dissemination describes the dissemination of a particular instance of one or more objects.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Data Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>DisseminationID</td>
<td>Database generated, Primary Key</td>
<td>Integer not null</td>
</tr>
<tr>
<td>DistributorID</td>
<td>Foreign Key, Distributor Table</td>
<td>Integer not null</td>
</tr>
<tr>
<td>Medium</td>
<td>Primary data storage medium for distributing object from dissemination service: CD-ROM, DVD,URN, URL, FTP.</td>
<td>String</td>
</tr>
<tr>
<td>PublicAccessPoint</td>
<td>Primary Access Point for distributing object to the public from dissemination service (http://…; ftp://…).</td>
<td>String</td>
</tr>
<tr>
<td>InternalLocation</td>
<td>Path and folder name of location from which object is distributed from internal dissemination service.</td>
<td>String</td>
</tr>
<tr>
<td>DissemSize</td>
<td>Size of object disseminated in Bytes</td>
<td>Integer</td>
</tr>
<tr>
<td>StartDate</td>
<td>Date dissemination service began disseminating object.</td>
<td>Date</td>
</tr>
<tr>
<td>EndDate</td>
<td>Date dissemination service discontinued disseminating object.</td>
<td>Date</td>
</tr>
<tr>
<td>DIPDescription</td>
<td>File Inventory of all files included in the Dissemination Information Package (DIP) submitted to dissemination service for distribution.</td>
<td>String</td>
</tr>
<tr>
<td>DissemCharge</td>
<td>Amount received from dissemination service for distributing object.</td>
<td>Number</td>
</tr>
<tr>
<td>DissemChargeUnit</td>
<td>Monetary unit of DissemCharge.</td>
<td>String</td>
</tr>
<tr>
<td>OriginalPublisher</td>
<td>Flag indicating that dissemination is by Original Publisher: N, Y.</td>
<td>String</td>
</tr>
<tr>
<td>PrimaryDistributor</td>
<td>Flag indicating that dissemination is by Primary Distributor: N, Y.</td>
<td>String</td>
</tr>
</tbody>
</table>

**DissemAltPoint Table**
DissemAltPoint describes the alternate access point(s) for a dissemination.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Data Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>DissemAltPointID</td>
<td>Database generated, Primary Key</td>
<td>Integer not null</td>
</tr>
<tr>
<td>DisseminationID</td>
<td>Foreign Key, Dissemination Table</td>
<td>Integer not null</td>
</tr>
<tr>
<td>AltAccessPoint</td>
<td>Alternate access point disseminating object (http://…; ftp://…).</td>
<td>String</td>
</tr>
<tr>
<td>StartDate</td>
<td>Date started disseminating object at alternate access point.</td>
<td>Date</td>
</tr>
<tr>
<td>EndDate</td>
<td>Date stopped disseminating object at alternate access point.</td>
<td>Date</td>
</tr>
<tr>
<td>Note</td>
<td>Note on alternate dissemination point.</td>
<td>String</td>
</tr>
</tbody>
</table>
### ProvDissemination Table

ProvDissemination identifies provenances of objects included in a particular dissemination.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>ProvDisseminationID</td>
<td>Database generated, Primary Key</td>
<td>Integer not null</td>
</tr>
<tr>
<td>DisseminationID</td>
<td>Foreign Key, Dissemination Table, part of Alternate Key</td>
<td>Integer not null</td>
</tr>
<tr>
<td>ProvenanceID</td>
<td>Foreign Key, Provenance Table, part of Alternate Key</td>
<td>Integer not null</td>
</tr>
<tr>
<td>RootPath</td>
<td>Directory path where object is disseminated within group.</td>
<td>String</td>
</tr>
<tr>
<td>StartDate</td>
<td>Date object began being disseminated within group.</td>
<td>date</td>
</tr>
<tr>
<td>EndDate</td>
<td>Date object no longer disseminated within group.</td>
<td>date</td>
</tr>
<tr>
<td>Note</td>
<td>Note on object dissemination within group.</td>
<td>String</td>
</tr>
</tbody>
</table>

### PDFFileList Table

PDFFileList describes the list of files included in a dissemination. Generally, all files will not be included in a particular dissemination.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDFileListID</td>
<td>Database generated, Primary Key</td>
<td>Integer not null</td>
</tr>
<tr>
<td>ProvDisseminationID</td>
<td>Foreign Key, ProvDissemination Table</td>
<td>Integer not null</td>
</tr>
<tr>
<td>FileName</td>
<td>Name of the file listing files disseminated in dissemination.</td>
<td>String</td>
</tr>
<tr>
<td>StartDate</td>
<td>Date the listed files were included in dissemination.</td>
<td>date</td>
</tr>
<tr>
<td>EndDate</td>
<td>Date the listed files were no longer in dissemination.</td>
<td>date</td>
</tr>
<tr>
<td>Note</td>
<td>Note about the list of files included within dissemination.</td>
<td>String</td>
</tr>
</tbody>
</table>

### Catalog Table

Catalog describes a catalog service in which a dissemination is described or registered.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>CatalogID</td>
<td>Database generated, Primary Key</td>
<td>Integer not null</td>
</tr>
<tr>
<td>CatalogName</td>
<td>Name of the catalog where an object is registered: SEDAC, CIESIN, EDGRS, ESIP, DLESE, NSDL.</td>
<td>String</td>
</tr>
<tr>
<td>URL</td>
<td>URL of the catalog where an object is registered.</td>
<td>String</td>
</tr>
<tr>
<td>ContactInfo</td>
<td>Contact information for a catalog where an object is registered.</td>
<td>String</td>
</tr>
</tbody>
</table>

### CatalogEntry Table

CatalogEntry describes the entry in a catalog for the dissemination of one or more objects.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>CatalogEntryID</td>
<td>Database generated, Primary Key</td>
<td>Integer not null</td>
</tr>
<tr>
<td>DisseminationID</td>
<td>Foreign Key, Dissemination Table.</td>
<td>Integer not null</td>
</tr>
<tr>
<td>CatalogID</td>
<td>Foreign Key, Catalog Table.</td>
<td>Integer not null</td>
</tr>
<tr>
<td>EntryID</td>
<td>Unique Identifier in the catalog for the record describing the object.</td>
<td>String</td>
</tr>
<tr>
<td>Submission</td>
<td>Date description of entry was submitted to a catalog.</td>
<td>Date</td>
</tr>
<tr>
<td>StartDate</td>
<td>Date catalog entry was available.</td>
<td>Date</td>
</tr>
<tr>
<td>EndDate</td>
<td>Date catalog entry was no longer available.</td>
<td>Date</td>
</tr>
<tr>
<td>EntryStatus</td>
<td>Status of catalog entry: None, Partial, Complete, Removed.</td>
<td>String</td>
</tr>
<tr>
<td>EntryDesc</td>
<td>Description of the dissemination included in the fields of the entry.</td>
<td>String</td>
</tr>
<tr>
<td>EntryLastUpdate</td>
<td>Date of the last update to the catalog entry for the object.</td>
<td>Date</td>
</tr>
<tr>
<td>Note</td>
<td>Note about the catalog entry for an object.</td>
<td>String</td>
</tr>
</tbody>
</table>
### Location Table
Location describes the physical location where archival media is being housed.

<table>
<thead>
<tr>
<th>LocationID</th>
<th>Database generated, Primary Key</th>
<th>Integer not null</th>
</tr>
</thead>
<tbody>
<tr>
<td>LocType</td>
<td>Type of location. Onsite Offline Archive, Offsite Offline Archive, Onsite Processing, Onsite Network, Onsite Storage Shelves.</td>
<td>String</td>
</tr>
<tr>
<td>LocName</td>
<td>Name of the Location. CIESIN Archival Facility, GISS Computer Room, Geoscience Computer Room, Geoscience Storage Room.</td>
<td>String</td>
</tr>
<tr>
<td>LocDesc</td>
<td>Description of the archival facilities at the location.</td>
<td>String</td>
</tr>
<tr>
<td>LocAGENT</td>
<td>Name of the individual responsible for the location.</td>
<td>String</td>
</tr>
</tbody>
</table>

### LocationParam Table
LocationParam describes conditions measured at a location.

<table>
<thead>
<tr>
<th>LocationParamID</th>
<th>Database generated, Primary Key</th>
<th>Integer not null</th>
</tr>
</thead>
<tbody>
<tr>
<td>LocationID</td>
<td>Foreign Key, Location Table</td>
<td>Integer</td>
</tr>
<tr>
<td>ParamName</td>
<td>Name of the parameter measured at the location: Temperature, High Temperature, Low Temperature, Humidity, High Humidity, Low Humidity, Inventory, Recovery Test.</td>
<td>String</td>
</tr>
<tr>
<td>ParamValue</td>
<td>Value of the parameter measured at the location.</td>
<td>Number</td>
</tr>
<tr>
<td>ParamUnit</td>
<td>Unit of measurement for recorded value measured at location: Degrees Fahrenheit, Percentage.</td>
<td>String</td>
</tr>
<tr>
<td>ParamDate</td>
<td>Date and time of measurement.</td>
<td>Date</td>
</tr>
<tr>
<td>ParamNote</td>
<td>Note on instrument or parameter measured.</td>
<td>String</td>
</tr>
</tbody>
</table>

### Media Table
Media describes archival media that is used to store objects.

<table>
<thead>
<tr>
<th>MediaID</th>
<th>Database generated, Primary Key</th>
<th>Integer not null</th>
</tr>
</thead>
<tbody>
<tr>
<td>MediaType</td>
<td>Type of media used: CD-ROM, CD-R, DVD-R, DVD+R, Print.</td>
<td>String</td>
</tr>
<tr>
<td>MediaBrand</td>
<td>Brand of the media: TDK 700 MB 48x Data CD-R.</td>
<td>String</td>
</tr>
<tr>
<td>MediaPurchaseDate</td>
<td>Date the media was purchased.</td>
<td>Date</td>
</tr>
<tr>
<td>Note</td>
<td>Note about the media.</td>
<td>String</td>
</tr>
</tbody>
</table>

### MediaLocation Table
MediaLocation describes each instance of archival media housed at a particular location.

<table>
<thead>
<tr>
<th>LocationID</th>
<th>Database generated, Primary Key</th>
<th>Integer not null</th>
</tr>
</thead>
<tbody>
<tr>
<td>MediaID</td>
<td>Foreign Key, Media Table</td>
<td>Integer not null</td>
</tr>
<tr>
<td>DepositedOn</td>
<td>Date the archival media was deposited at the location.</td>
<td>Date</td>
</tr>
<tr>
<td>RemovedOn</td>
<td>Date the archival media was removed from the location.</td>
<td>Date</td>
</tr>
<tr>
<td>Note</td>
<td>Note about the archival media housed at a location.</td>
<td>String</td>
</tr>
</tbody>
</table>
## Event Table
Event describes an event for an object stored on an instance of archival media.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>EventID</td>
<td>Database generated, Primary Key</td>
<td>Integer not null</td>
</tr>
<tr>
<td>MediaID</td>
<td>Foreign Key, Media Table</td>
<td>Integer</td>
</tr>
<tr>
<td>EventStatus</td>
<td>Status of the event: Complete, Scheduled, Postponed.</td>
<td>String</td>
</tr>
<tr>
<td>Designation</td>
<td>Name of the event: Deposit, Inventory, Audit, Inspection, Virus Check,</td>
<td>String</td>
</tr>
<tr>
<td></td>
<td>Media Write, Quality Check, Format Conversion, Removal, Check Out,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bring Forward, Media Request, Media Destruction.</td>
<td></td>
</tr>
<tr>
<td>Procedure</td>
<td>Procedure completed on media during an event.</td>
<td>String</td>
</tr>
<tr>
<td>Location</td>
<td>Location where the event occurred.</td>
<td>String</td>
</tr>
<tr>
<td>EventDate</td>
<td>Date and time of event.</td>
<td>Date</td>
</tr>
<tr>
<td>Outcome</td>
<td>Description of the event outcome.</td>
<td>String</td>
</tr>
<tr>
<td>Note</td>
<td>Note about the event.</td>
<td>String</td>
</tr>
<tr>
<td>ResponsiblePerson</td>
<td>Individual responsible for the event.</td>
<td>String</td>
</tr>
<tr>
<td>RetrievalRecipient</td>
<td>Individual who received the media.</td>
<td>String</td>
</tr>
<tr>
<td>RetrievalRequestor</td>
<td>Individual who requested the media.</td>
<td>String</td>
</tr>
</tbody>
</table>

## ProvenanceMedia Table
ProvenanceMedia lists and describes provenances stored on an instance of media. More than one provenance copy can be stored on a single media.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>ProvenanceMediaID</td>
<td>Database generated, Primary Key</td>
<td>Integer not null</td>
</tr>
<tr>
<td>ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
<td>Integer</td>
</tr>
<tr>
<td>MediaID</td>
<td>Foreign Key, Media Table</td>
<td>Integer not null</td>
</tr>
<tr>
<td>MediaCopy</td>
<td>Instance of object stored on media: Preservation Master, Security Master,</td>
<td>String</td>
</tr>
<tr>
<td></td>
<td>Duplication Master, Access Service Copy.</td>
<td></td>
</tr>
<tr>
<td>RootPath</td>
<td>Path and directory of the object on the media.</td>
<td>String</td>
</tr>
<tr>
<td>WriteDate</td>
<td>Date the object was written on the media.</td>
<td>Date</td>
</tr>
<tr>
<td>DeleteDate</td>
<td>Date the object was deleted from the media.</td>
<td>Date</td>
</tr>
<tr>
<td>ValidationProc</td>
<td>Signature type used to generate validation key: MD5, SHA-1.</td>
<td>String</td>
</tr>
<tr>
<td>KeyCreationDate</td>
<td>Date validation key was generated.</td>
<td>Date</td>
</tr>
<tr>
<td>Result</td>
<td>Hash value, filename, or path and filename of stored validation signature.</td>
<td>String</td>
</tr>
<tr>
<td>LastCheckDate</td>
<td>Date validation key generated and compared with original.</td>
<td>Date</td>
</tr>
<tr>
<td>NextCheckDate</td>
<td>Date scheduled for validation key comparison.</td>
<td>Date</td>
</tr>
</tbody>
</table>
### DataFile Table
DataFile describes aspects of a data file for a provenance copy stored on a particular media.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>DataFileID</td>
<td>Database generated, Primary Key</td>
<td>Integer not null</td>
</tr>
<tr>
<td>ProvenanceMediaID</td>
<td>Foreign Key, ProvenanceMedia Table</td>
<td>Integer</td>
</tr>
<tr>
<td>FileName</td>
<td>Name of the file including its extension.</td>
<td>String</td>
</tr>
<tr>
<td>FileSize</td>
<td>Size of the file in bytes.</td>
<td>Integer</td>
</tr>
<tr>
<td>ContentType</td>
<td>Type of content in the file: Data, Documentation, Permission, Startup.</td>
<td>String</td>
</tr>
<tr>
<td>MarkupType</td>
<td>Type of Markup used to encode contents of file: HTML, SGML, XML.</td>
<td>String</td>
</tr>
<tr>
<td>MarkupName</td>
<td>Name of schema and version employed for the MarkupType: TEI DTD, W3C XML.</td>
<td>String</td>
</tr>
<tr>
<td>MarkupSchema</td>
<td>Contents of schema used for the Markup Type.</td>
<td>String</td>
</tr>
<tr>
<td>FileAccessRight</td>
<td>Access rights or limitations specific to file: Universal Access - unrestricted, Research Use Only, Educational Use Only, Research and Educational Use Only, Non-Commercial Use Only, On-Site Use Only, Signed Confidentiality Agreement Only, Staff Only, Staff Addresses Only, Licensees Only, Domestic IP Addresses Only, No Online Access, No Access Allowed Pending Further Evaluation.</td>
<td>String</td>
</tr>
<tr>
<td>ExpofAccessRight</td>
<td>Date access rights or restrictions specific to file expire.</td>
<td>Date</td>
</tr>
<tr>
<td>PreservRestrictn</td>
<td>Preservation rights or limitations for preserving file.</td>
<td>String</td>
</tr>
<tr>
<td>EncryptionInfo</td>
<td>Description of encryption employed on file.</td>
<td>String</td>
</tr>
<tr>
<td>AccessInhibitors</td>
<td>Inhibitors to access inherent to the file: Password protection, AAA watermark.</td>
<td>String</td>
</tr>
<tr>
<td>FileType</td>
<td>MIME Media Type for file in format, Content Type/Subtype: application/pdf, audio/mpeg, image/tiff, message/http, model/vrml, multipart/signed, text/html, video/mpeg.</td>
<td>String</td>
</tr>
<tr>
<td>FileVersion</td>
<td>Version of the MIME Media Type.</td>
<td>String</td>
</tr>
<tr>
<td>FileFormat</td>
<td>Software program used to create the file: Microsoft Word 2000, Microsoft Excel 2000.</td>
<td>String</td>
</tr>
<tr>
<td>FormatRegistry</td>
<td>Registry to identify the software program used to create or view the file: Pronom.</td>
<td>String</td>
</tr>
<tr>
<td>RegistryEntry</td>
<td>Unique identifier in the Format Registry for the file format.</td>
<td>String</td>
</tr>
<tr>
<td>DateModified</td>
<td>Last date and time when file was written or modified.</td>
<td>Date</td>
</tr>
<tr>
<td>PreservFormat</td>
<td>File format is a preservation format: Y, N.</td>
<td>String</td>
</tr>
<tr>
<td>AltFormat</td>
<td>Alternate or derivative formats that contain contents of file: txt, csv, pdf.</td>
<td>String</td>
</tr>
<tr>
<td>OriginalFileID</td>
<td>Foreign key to DataFile.DataFileID. DataFileID for original file from which the file is a derivative.</td>
<td>Integer</td>
</tr>
<tr>
<td>OriginalFileName</td>
<td>Filename (and extension) for the original source file from which the file described is a derivative.</td>
<td>String</td>
</tr>
<tr>
<td>Creation</td>
<td>Description of the file creation, coded to record file history: Original file received, Migrated file, Archive generated file.</td>
<td>String</td>
</tr>
<tr>
<td>History</td>
<td>Description of file history, coded string to record file history: O = Original file received, M = Migrated file. A = Archive generated file. MMO = Migrated file from Migrated file from Original file.</td>
<td>String</td>
</tr>
<tr>
<td>RefreshDate</td>
<td>Last date and time file was written to any media.</td>
<td>Date</td>
</tr>
<tr>
<td>AccessStartDate</td>
<td>Date when access to file may be granted.</td>
<td>Date</td>
</tr>
<tr>
<td>AccessEndDate</td>
<td>Date when access to file ends.</td>
<td>Date</td>
</tr>
<tr>
<td>DeaccessionDate</td>
<td>Date when file is deaccessioned from archive.</td>
<td>Date</td>
</tr>
</tbody>
</table>
### FilePart Table
FilePart describes a FilePart contained within a data file.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>FilePartID</td>
<td>Database generated, Primary Key</td>
<td>Integer not null</td>
</tr>
<tr>
<td>DataFileID</td>
<td>Foreign Key, DataFile Table</td>
<td>Integer not null</td>
</tr>
<tr>
<td>FilePartType</td>
<td>Type of FilePart: Table, Screenshot, Thumbnail Image, Page Image, Annotation, Transparency Mask, Metadata Text.</td>
<td>String</td>
</tr>
<tr>
<td>FilePartLoc</td>
<td>Location or address of FilePart within the file: Unknown.</td>
<td>String</td>
</tr>
<tr>
<td>FilePartDesc</td>
<td>Description of FilePart differentiated from file.</td>
<td>String</td>
</tr>
</tbody>
</table>

### Environment Table
Environment describes an implementation environment for a data file.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>EnvironmentID</td>
<td>Database generated, Primary Key</td>
<td>Integer not null</td>
</tr>
<tr>
<td>DataFileID</td>
<td>Foreign Key, DataFile Table</td>
<td>Integer not null</td>
</tr>
<tr>
<td>EnvironmentType</td>
<td>Type of environment required for data file: Rendering Software, Display Application, Operating System, Middleware, Hardware CPU, Hardware Peripherals.</td>
<td>String</td>
</tr>
<tr>
<td>Title</td>
<td>Title of environment software or hardware required.</td>
<td>String</td>
</tr>
<tr>
<td>Description</td>
<td>Description of implementation environment for data file.</td>
<td>String</td>
</tr>
<tr>
<td>Documentation</td>
<td>Documentation for the implementation environment.</td>
<td>String</td>
</tr>
<tr>
<td>ExpiryDate</td>
<td>Date environment is scheduled to expire or be replaced.</td>
<td>Date</td>
</tr>
</tbody>
</table>

### AccessRestriction Table
AccessRestriction describes a security, privacy, safety, or confidentiality restriction pertaining to an object.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>AccessRestrictionID</td>
<td>Database generated, Primary Key</td>
<td>Integer not null</td>
</tr>
<tr>
<td>ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
<td>Integer not null</td>
</tr>
<tr>
<td>AccessRestriction</td>
<td>Security category or type of restriction: Onsite Use Only - Confidential Data- No Copying, Permission from Project Director Required, Confidentiality Agreement Required - No Copying or Network Access, Project Director only, Universal Access (unrestricted), Research Use Only, Educational Use Only, Research and Educational Use Only, Non-Commercial Use Only, On-Site Use Only, Signed Confidentiality Agreement Only, CU Personnel Only, CU Addresses Only, Domestic IP Addresses Only, No Online Access.</td>
<td>String</td>
</tr>
<tr>
<td>AccessRestrictionDesc</td>
<td>Description of restriction on access to object.</td>
<td>String</td>
</tr>
<tr>
<td>CurrentDeclaration</td>
<td>Confidentiality agreement or user agreement on restriction.</td>
<td>String</td>
</tr>
<tr>
<td>SecurityNote</td>
<td>Note about the security restriction on object.</td>
<td>String</td>
</tr>
<tr>
<td>SecurityReviewDate</td>
<td>Date security restriction is scheduled for review.</td>
<td>Date</td>
</tr>
<tr>
<td>ARStartDate</td>
<td>Date access restriction on object begins.</td>
<td>Date</td>
</tr>
<tr>
<td>AREndDate</td>
<td>Date access restriction on object ends.</td>
<td>Date</td>
</tr>
</tbody>
</table>
**Decision Table**

Decision describes a decision that affects the provenance or dissemination for one or more objects.

<table>
<thead>
<tr>
<th>DecisionID</th>
<th>Database generated, Primary Key</th>
<th>Integer not null</th>
</tr>
</thead>
<tbody>
<tr>
<td>DecisionType</td>
<td>Type of Decision: Acquisition, Nomination for Dissemination, Nomination for Deaccession, Nomination for Transfer, Nomination for Accession, Dissemination, Disposition, Transfer, Provisional Use, Beta System Dissemination; Production System Dissemination.</td>
<td>String</td>
</tr>
<tr>
<td>Decision</td>
<td>Decision about an object for a Decision Type. For Preservation Service: Preserve content, Preserve Original Formats; For SEDAC: Disseminate, Ancillary Product, Transfer to LTA; For SEDAC Acquisition: redistributed 3rd party data, value-added 3rd party data, SEDAC-developed; For LTA: Public Dissemination, Restricted Dissemination; (Others Considered: Under Review, Disseminate, Delete, Remove) The following 7 categories are not mutually exclusive: Delete; Retire; Long-Term Archive; Archive, But Not Disseminate, SEDAC Disseminate by Type: - Subsets Only, - Web Download - Internet Mapping; Missing; Add to SDP; Consolidate.</td>
<td>String</td>
</tr>
<tr>
<td>MeetingDate</td>
<td>Date when the decision was made.</td>
<td>Date</td>
</tr>
<tr>
<td>DecisionActivDate</td>
<td>Date on which the decision is implemented.</td>
<td>Date</td>
</tr>
<tr>
<td>Authority</td>
<td>Authority deciding the status of an object within the archive: CIESIN Director, CIESIN Deputy Director, CIESIN Associate Director for IS, SEDAC UWG, SEDAC Project Manager, SEDAC Lead Project Scientist, SEDAC Archives Manager, SEDAC Archivist, LTA Board, LTA Manager, LTA Archivist.</td>
<td>String</td>
</tr>
<tr>
<td>Note</td>
<td>Note of Rationale or Justification for making the decision.</td>
<td>String</td>
</tr>
</tbody>
</table>

**ProvenanceDecision Table**

ProvenanceDecision describes each provenance affected by a particular decision.

<table>
<thead>
<tr>
<th>ProvenanceDecisionID</th>
<th>Database generated, Primary Key</th>
<th>Integer not null</th>
</tr>
</thead>
<tbody>
<tr>
<td>ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
<td>Integer not null</td>
</tr>
<tr>
<td>DecisionID</td>
<td>Foreign Key, Decision Table</td>
<td>Integer not null</td>
</tr>
<tr>
<td>Note</td>
<td>Note about the decision in reference to a specific provenance.</td>
<td>String</td>
</tr>
</tbody>
</table>
### RightOwner Table
RightOwner describes the organization or individual owning a right for an object.

<table>
<thead>
<tr>
<th>RightOwnerId</th>
<th>Database generated, Primary Key</th>
<th>Integer not null</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entity</td>
<td>Organization that owns right for an object or Public Domain.</td>
<td>String</td>
</tr>
<tr>
<td>Signator</td>
<td>Person who signed document authorizing a right for an object.</td>
<td>String</td>
</tr>
<tr>
<td>SignatorTitle</td>
<td>Title of signer authorizing a right for an object.</td>
<td>String</td>
</tr>
<tr>
<td>SigContactInfo</td>
<td>Contact information for signer authorizing a right for an object.</td>
<td>String</td>
</tr>
<tr>
<td>Address1</td>
<td>Line 1 of right owner address.</td>
<td>String</td>
</tr>
<tr>
<td>Address2</td>
<td>Line 2 of right owner address.</td>
<td>String</td>
</tr>
<tr>
<td>City</td>
<td>City of right owner.</td>
<td>String</td>
</tr>
<tr>
<td>State</td>
<td>State of right owner.</td>
<td>String</td>
</tr>
<tr>
<td>Country</td>
<td>Country of right owner.</td>
<td>String</td>
</tr>
<tr>
<td>PostalCode</td>
<td>Postal code for right owner.</td>
<td>String</td>
</tr>
<tr>
<td>Telephone</td>
<td>Telephone number for right owner.</td>
<td>String</td>
</tr>
<tr>
<td>Fax</td>
<td>Fax number for right owner.</td>
<td>String</td>
</tr>
<tr>
<td>Email</td>
<td>E-mail for right owner.</td>
<td>String</td>
</tr>
<tr>
<td>Website</td>
<td>URL of right owner website.</td>
<td>String</td>
</tr>
<tr>
<td>Note</td>
<td>Note about right owner.</td>
<td>String</td>
</tr>
</tbody>
</table>

### Right Table
Right describes each type of right or intellectual property restriction, independent from provenance or right owner.

<table>
<thead>
<tr>
<th>RightId</th>
<th>Database generated, Primary Key</th>
<th>Integer not null</th>
</tr>
</thead>
<tbody>
<tr>
<td>RightType</td>
<td>Type of right held: copyright, license, public domain, contract, Permission.</td>
<td>String</td>
</tr>
<tr>
<td>RightName</td>
<td>Distribution Right, Usage Right, Preservation Right, Access Right, Print Right.</td>
<td>String</td>
</tr>
<tr>
<td>RightDesc</td>
<td>Description of the right and intellectual property restrictions or obligations.</td>
<td>String</td>
</tr>
<tr>
<td>Note</td>
<td>Note on rights for object.</td>
<td>String</td>
</tr>
</tbody>
</table>
**RightHeld Table**

RightHeld describes a right that is held or has been granted for an object.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>RightHeldID</td>
<td>Database generated, Primary Key</td>
<td>Integer not null</td>
</tr>
<tr>
<td>RightOwnerID</td>
<td>Foreign Key, RightOwner Table</td>
<td>Integer not null</td>
</tr>
<tr>
<td>ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
<td>Integer not null</td>
</tr>
<tr>
<td>RightID</td>
<td>Foreign Key, Right Table</td>
<td>Integer not null</td>
</tr>
<tr>
<td>RightOrigination</td>
<td>Right granted to others or right received from owner: Granted, Received.</td>
<td>String</td>
</tr>
<tr>
<td>CurDeclaration</td>
<td>Content of license, contract, or permission statement.</td>
<td>String</td>
</tr>
<tr>
<td>RightDocFile</td>
<td>Filename and directory path of the digital (or scanned) document that authorizes rights for an object.</td>
<td>String</td>
</tr>
<tr>
<td>RightDocLoc</td>
<td>Location of original printed license, contract, or permission document: Onsite Archive, Offsite Archive, Storeroom, Not Printed.</td>
<td>String</td>
</tr>
<tr>
<td>BeginDate</td>
<td>Date of execution for rights held or date of contract if not specified.</td>
<td>Date</td>
</tr>
<tr>
<td>ExpiryDate</td>
<td>Date of expiration for rights held or null if no expiration date.</td>
<td>Date</td>
</tr>
<tr>
<td>Receiver</td>
<td>Person who signed document (or agreed to conditions) and is authorized representative to acquire or use object.</td>
<td>String</td>
</tr>
<tr>
<td>Cost</td>
<td>Cost to acquire object or rights to object.</td>
<td>Number</td>
</tr>
<tr>
<td>CostUnit</td>
<td>Monetary unit for cost to acquire object or rights to object.</td>
<td>String</td>
</tr>
<tr>
<td>Note</td>
<td>Note on right held for an object.</td>
<td>String</td>
</tr>
<tr>
<td>RightBrief</td>
<td>Brief description of right held and intended usage group or purpose: Use and distribute freely, Use and distribute only within organization, Distribute for research or educational purposes, Third party distribution, Research use only, Educational use only, Non-commercial use only, Staff use only.</td>
<td>String</td>
</tr>
<tr>
<td>Request</td>
<td>Request for rights, including the reason to justify authorization.</td>
<td>String</td>
</tr>
</tbody>
</table>
References


Appendix

Crosswalk:

<table>
<thead>
<tr>
<th>Field</th>
<th>Definition</th>
<th>e-Government Metadata</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collection.CollectionID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Collection.Title</td>
<td>Title for a Collection: CIESIN Archive, SEDAC Scientific Data Archives, specific project Archive.</td>
<td></td>
</tr>
<tr>
<td>Collection.Description</td>
<td>Description of the collection and keywords.</td>
<td></td>
</tr>
<tr>
<td>Collection.AccessReqmnt</td>
<td>Requirements for accessing the collection: Object Specific Requirements, CMB Approval, Systems Manager Approval.</td>
<td></td>
</tr>
<tr>
<td>Collection.InstallReqmnt</td>
<td>Requirements for installation of collection</td>
<td></td>
</tr>
<tr>
<td>Collection.SizeReqmnt</td>
<td>Storage volume requirement for collection, automatically calculated.</td>
<td></td>
</tr>
<tr>
<td>Collection.AccessInhibitor</td>
<td>Method(s) employed to inhibit access to collection that could affect preservation, such as encryption or watermarking.</td>
<td></td>
</tr>
<tr>
<td>Collection.FindingAid</td>
<td>Method used to facilitate discovery of collection.</td>
<td></td>
</tr>
<tr>
<td>Collection.PresrvPermission</td>
<td>Statement of permission to copy collection or migrate to various formats for preservation.</td>
<td></td>
</tr>
<tr>
<td>Collection.RelationDesc</td>
<td>Description of relationships, relevant for preservation, between collection and other objects or collections.</td>
<td></td>
</tr>
<tr>
<td>Collection.Quirk</td>
<td>Characteristic that could degrade functionality or aspects of the collection.</td>
<td></td>
</tr>
<tr>
<td>Collection.Purpose</td>
<td>Purpose and reason for archiving the collection: Funding Agency Requirement; Scientific Value; Historical value; Fiduciary responsibility.</td>
<td></td>
</tr>
<tr>
<td>Collection.DecisionDate</td>
<td>Date of decision to archive the collection.</td>
<td></td>
</tr>
<tr>
<td>Collection.AccessStartDate</td>
<td>Date access was provided to collection.</td>
<td></td>
</tr>
<tr>
<td>Collection.AccessEndDate</td>
<td>Date when access to collection ended.</td>
<td></td>
</tr>
<tr>
<td>Collection.DeaccessionDate</td>
<td>Date collection is</td>
<td></td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>-------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Collection.Note</td>
<td>Notes about collection.</td>
<td></td>
</tr>
<tr>
<td>Series.SeriesID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Series.CollectionID</td>
<td>Foreign Key, Collection Table</td>
<td></td>
</tr>
<tr>
<td>Series.Title</td>
<td>Title of a record series category within a Collection: CIESIN Administrative Records, CIESIN Records Common to All Projects, CIESIN Scientific Data, SEDAC Operations Records, SEDAC Active Archive, SEDAC Long-Term Archive.</td>
<td></td>
</tr>
<tr>
<td>Series.Description</td>
<td>Description of the series.</td>
<td></td>
</tr>
<tr>
<td>Series.VRIndicator</td>
<td>Category of vital records, if applicable, for the series: Non-Vital Records, Emergency - Operating Records, Legal or Financial Rights, Emergency and Rights Records.</td>
<td></td>
</tr>
<tr>
<td>Series.VRReviewDate</td>
<td>Date of next review of vital records in series.</td>
<td></td>
</tr>
<tr>
<td>Series.Activity</td>
<td>Level of use for series, assignment based on SeriesActivity.</td>
<td></td>
</tr>
<tr>
<td>Series.ActivityDate</td>
<td>Date when activity for the series was reviewed and assigned.</td>
<td></td>
</tr>
<tr>
<td>Series.CutoffDate</td>
<td>Date to cutoff records in series.</td>
<td></td>
</tr>
<tr>
<td>Series.AnnualAccum</td>
<td>Estimate of annual accumulation of records in series.</td>
<td></td>
</tr>
<tr>
<td>Series.AccessStartDate</td>
<td>Date when access to series began.</td>
<td></td>
</tr>
<tr>
<td>Series.EndDate</td>
<td>Date when access to series ended.</td>
<td></td>
</tr>
<tr>
<td>Series.DeaccessionDate</td>
<td>Date of deaccession for all records in series.</td>
<td></td>
</tr>
<tr>
<td>Series.Note</td>
<td>Notes about the series.</td>
<td></td>
</tr>
<tr>
<td>SeriesActivity.SeriesActivityID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>SeriesActivity.SeriesID</td>
<td>Foreign Key, Series Table.</td>
<td></td>
</tr>
<tr>
<td><strong>SeriesActivity.PeriodStartDate</strong></td>
<td>Date series activity period began.</td>
<td></td>
</tr>
<tr>
<td><strong>SeriesActivity.PeriodEndDate</strong></td>
<td>Date series activity period ended.</td>
<td></td>
</tr>
<tr>
<td><strong>SeriesActivity.UniqueUserCnt</strong></td>
<td>Number of unique users of series during period.</td>
<td></td>
</tr>
<tr>
<td><strong>SeriesActivity.TotalUserCnt</strong></td>
<td>Total number of users of series during period.</td>
<td></td>
</tr>
<tr>
<td><strong>SeriesActivity.Note</strong></td>
<td>Notes about series activity for a given period.</td>
<td></td>
</tr>
<tr>
<td><strong>Aggregate.AggregateID</strong></td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td><strong>Aggregate.SeriesID</strong></td>
<td>Foreign Key, Series Table</td>
<td></td>
</tr>
<tr>
<td><strong>Aggregate.Title</strong></td>
<td>Title of Aggregate category assignment. For SEDAC Scientific Data Series mission areas: PLUE, ENTRI, EH, MVA, HVA, AFS, ES, EX, IG.</td>
<td></td>
</tr>
<tr>
<td><strong>Aggregate.AccessStartDate</strong></td>
<td>Date access to aggregate began.</td>
<td></td>
</tr>
<tr>
<td><strong>Aggregate.AccessEnDate</strong></td>
<td>Date when access to aggregate ended.</td>
<td></td>
</tr>
<tr>
<td><strong>Aggregate.DeaccessionDate</strong></td>
<td>Date of deaccession for all records in aggregate.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.ProvenanceID</strong></td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.AggregateID</strong></td>
<td>Foreign Key, Aggregate Table</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.Origin</strong></td>
<td>Description of the creation process of the object.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.Title</strong></td>
<td>Formal Title that identifies or describes the object.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.Version</strong></td>
<td>Identification to differentiate object from other versions.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.PreIngest</strong></td>
<td>Description of pre-ingest processing and custody of object.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.CreationDate</strong></td>
<td>Date object was completed by Author.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.SubmissionDate</strong></td>
<td>Date object was submitted to the archive for ingest.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.Citation</strong></td>
<td>Complete citation for object.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.DesignatedCommunity</strong></td>
<td>Description of designated community of users, potential users, or audience for the object: Human interactions in the environment community, Decision-maker, Learner, Manager, Scientist, Teacher.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.ReqdPreservationService</strong></td>
<td>Level of preservation service or preservation plan requested by submitter or data provider: Preserve Original Formats; Preserve Content in Supported</td>
<td></td>
</tr>
<tr>
<td>Provenance.ReqDisseminatnService</td>
<td>Level of dissemination service or dissemination plan requested by submitter or data provider: Restricted dissemination. Public Dissemination.</td>
<td></td>
</tr>
<tr>
<td>----------------------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Provenance.ReasonForCreation</td>
<td>Reason or purpose for creating the described object.</td>
<td></td>
</tr>
<tr>
<td>Provenance.CustodyHistory</td>
<td>Chain of custody of object prior to ingest into archive.</td>
<td></td>
</tr>
<tr>
<td>Provenance.ReasonForPreservation</td>
<td>Justification for selecting object for preservation in archive.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AcquisitionDate</td>
<td>Date original object was acquired by archive.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AcquisitionVolume</td>
<td>Volume of original object acquired by archive.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AcquisitionFileInventory</td>
<td>List of all files in original object acquired by archive.</td>
<td></td>
</tr>
<tr>
<td>Provenance.ReceivedDate</td>
<td>Date object received by the Archivist.</td>
<td></td>
</tr>
<tr>
<td>Provenance.DeaccessionDate</td>
<td>Date the object was deaccessioned from archive.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AIPVolume</td>
<td>Total Size of the Archival Information Package created by the archive to preserve the Content Information and Associated Material</td>
<td></td>
</tr>
<tr>
<td>Provenance.ContentInformationSize</td>
<td>Size of Content Information of the Archival Information Package in Bytes.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AssociatedMaterialSize</td>
<td>Size of material associated with the Content Information of the AIP in Bytes.</td>
<td></td>
</tr>
<tr>
<td>Provenance.Functionality</td>
<td>Description of any functional characteristics of the object.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AIPFileInventory</td>
<td>List of all filenames and sizes organized by the directory structure.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AIPDataDictionary</td>
<td>List of each filename in object with title of document or description for each file, including alternate formats.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AIP</td>
<td>All the files within their preservation structure, containing Content Information and Associated Information that has been transformed by the Archive for preservation (location in system if dbms is part of the repository).</td>
<td></td>
</tr>
<tr>
<td>Provenance.AIPCreationDate</td>
<td>Date archive created Preservation Master for Archival Information</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Provenance.ReqDisseminatnService</th>
<th>Level of dissemination service or dissemination plan requested by submitter or data provider: Restricted dissemination. Public Dissemination.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provenance.ReasonForCreation</td>
<td>Reason or purpose for creating the described object.</td>
</tr>
<tr>
<td>Provenance.CustodyHistory</td>
<td>Chain of custody of object prior to ingest into archive.</td>
</tr>
<tr>
<td>Provenance.ReasonForPreservation</td>
<td>Justification for selecting object for preservation in archive.</td>
</tr>
<tr>
<td>Provenance.AcquisitionDate</td>
<td>Date original object was acquired by archive.</td>
</tr>
<tr>
<td>Provenance.AcquisitionVolume</td>
<td>Volume of original object acquired by archive.</td>
</tr>
<tr>
<td>Provenance.AcquisitionFileInventory</td>
<td>List of all files in original object acquired by archive.</td>
</tr>
<tr>
<td>Provenance.ReceivedDate</td>
<td>Date object received by the Archivist.</td>
</tr>
<tr>
<td>Provenance.DeaccessionDate</td>
<td>Date the object was deaccessioned from archive.</td>
</tr>
<tr>
<td>Provenance.AIPVolume</td>
<td>Total Size of the Archival Information Package created by the archive to preserve the Content Information and Associated Material</td>
</tr>
<tr>
<td>Provenance.ContentInformationSize</td>
<td>Size of Content Information of the Archival Information Package in Bytes.</td>
</tr>
<tr>
<td>Provenance.AssociatedMaterialSize</td>
<td>Size of material associated with the Content Information of the AIP in Bytes.</td>
</tr>
<tr>
<td>Provenance.Functionality</td>
<td>Description of any functional characteristics of the object.</td>
</tr>
<tr>
<td>Provenance.AIPFileInventory</td>
<td>List of all filenames and sizes organized by the directory structure.</td>
</tr>
<tr>
<td>Provenance.AIPDataDictionary</td>
<td>List of each filename in object with title of document or description for each file, including alternate formats.</td>
</tr>
<tr>
<td>Provenance.AIP</td>
<td>All the files within their preservation structure, containing Content Information and Associated Information that has been transformed by the Archive for preservation (location in system if dbms is part of the repository).</td>
</tr>
<tr>
<td>Provenance.AIPCreationDate</td>
<td>Date archive created Preservation Master for Archival Information</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Provenance.ReqDisseminatnService</th>
<th>Level of dissemination service or dissemination plan requested by submitter or data provider: Restricted dissemination. Public Dissemination.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provenance.ReasonForCreation</td>
<td>Reason or purpose for creating the described object.</td>
</tr>
<tr>
<td>Provenance.CustodyHistory</td>
<td>Chain of custody of object prior to ingest into archive.</td>
</tr>
<tr>
<td>Provenance.ReasonForPreservation</td>
<td>Justification for selecting object for preservation in archive.</td>
</tr>
<tr>
<td>Provenance.AcquisitionDate</td>
<td>Date original object was acquired by archive.</td>
</tr>
<tr>
<td>Provenance.AcquisitionVolume</td>
<td>Volume of original object acquired by archive.</td>
</tr>
<tr>
<td>Provenance.AcquisitionFileInventory</td>
<td>List of all files in original object acquired by archive.</td>
</tr>
<tr>
<td>Provenance.ReceivedDate</td>
<td>Date object received by the Archivist.</td>
</tr>
<tr>
<td>Provenance.DeaccessionDate</td>
<td>Date the object was deaccessioned from archive.</td>
</tr>
<tr>
<td>Provenance.AIPVolume</td>
<td>Total Size of the Archival Information Package created by the archive to preserve the Content Information and Associated Material</td>
</tr>
<tr>
<td>Provenance.ContentInformationSize</td>
<td>Size of Content Information of the Archival Information Package in Bytes.</td>
</tr>
<tr>
<td>Provenance.AssociatedMaterialSize</td>
<td>Size of material associated with the Content Information of the AIP in Bytes.</td>
</tr>
<tr>
<td>Provenance.Functionality</td>
<td>Description of any functional characteristics of the object.</td>
</tr>
<tr>
<td>Provenance.AIPFileInventory</td>
<td>List of all filenames and sizes organized by the directory structure.</td>
</tr>
<tr>
<td>Provenance.AIPDataDictionary</td>
<td>List of each filename in object with title of document or description for each file, including alternate formats.</td>
</tr>
<tr>
<td>Provenance.AIP</td>
<td>All the files within their preservation structure, containing Content Information and Associated Information that has been transformed by the Archive for preservation (location in system if dbms is part of the repository).</td>
</tr>
<tr>
<td>Provenance.AIPCreationDate</td>
<td>Date archive created Preservation Master for Archival Information</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Provenance attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provenance.ReceivedSIP</td>
<td>All of the files (within their original structure) received from the provider in the Submission Information Package (SIP) containing the Content Information and all Associated Information for the original object acquired (stored in system if dbms is part of the repository).</td>
</tr>
<tr>
<td>Provenance.PreparedSIP</td>
<td>All of the files (within their preservation structure), containing the Content Information and the Associated Information that have been prepared by the Archive for submission to another Archive or Collection (stored in system if dbms is part of the repository).</td>
</tr>
<tr>
<td>Provenance.PermRecordIndicator</td>
<td>Indicator that the record is a Permanent Record: N, Y.</td>
</tr>
<tr>
<td>Provenance.RecordCondition</td>
<td>Condition of record.</td>
</tr>
<tr>
<td>Provenance.Description</td>
<td>Description of the intellectual content of the object.</td>
</tr>
<tr>
<td>Provenance.Methodology</td>
<td>Instruments and techniques used to create the data.</td>
</tr>
<tr>
<td>Provenance.Variable</td>
<td>Variables, layouts, and codes used to describe the data.</td>
</tr>
<tr>
<td>Provenance.SpatialCoverageDesc</td>
<td>Political or geographical description of spatial coverage.</td>
</tr>
<tr>
<td>Provenance.SpatialCoverageNote</td>
<td>Latitude and longitude covered, if available.</td>
</tr>
<tr>
<td>Provenance.SpatialResolution</td>
<td>Spatial Resolution.</td>
</tr>
<tr>
<td>Provenance.SpatialResolutionNote</td>
<td>Notes on the spatial resolution of the object.</td>
</tr>
<tr>
<td>Provenance.SRS</td>
<td>Spatial Reference System used for spatial resolution.</td>
</tr>
<tr>
<td>Provenance.BBoxMinX</td>
<td>Minimum X Coordinate (Longitude) for the Bounding Box.</td>
</tr>
<tr>
<td>Provenance.BBoxMinY</td>
<td>Minimum Y Coordinate (Latitude) for the Bounding Box.</td>
</tr>
<tr>
<td>Provenance.BBoxMaxX</td>
<td>Maximum X Coordinate (Longitude) for the Bounding Box.</td>
</tr>
<tr>
<td>Provenance.BBoxMaxY</td>
<td>Maximum Y Coordinate (Latitude) for the Bounding Box.</td>
</tr>
<tr>
<td>Column</td>
<td>Definition</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>---------------------------------------------------------------------------</td>
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<tr>
<td>Provenance.SpatialCoverage</td>
<td>If database supports native spatial data types, this field should be used to store actual shape of spatial coverage.</td>
</tr>
<tr>
<td>Retention.RetentionID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Retention.ProvenanceID</td>
<td>Foreign Key, Provenance Table, if retention relates to provenance.</td>
</tr>
<tr>
<td>Retention.SeriesID</td>
<td>Foreign Key, Series Table, if retention relates to series.</td>
</tr>
<tr>
<td>Retention.Instruction</td>
<td>Instructions for retention or disposition of record or series: Review every Five Years, Retain Indefinitely, Freeze, Transfer to LTA, Retire, Destroy.</td>
</tr>
<tr>
<td>Retention.InstructionReason</td>
<td>Justification for retention instructions on record or series.</td>
</tr>
<tr>
<td>Retention.InstrctnDate</td>
<td>Date instructions were decided for record or series.</td>
</tr>
<tr>
<td>Retention.InstrctnActDate</td>
<td>Date instructions are to be executed for record or series.</td>
</tr>
<tr>
<td>Retention.ScheduleDate</td>
<td>Date record or series will be reviewed.</td>
</tr>
<tr>
<td>Retention.Authority</td>
<td>Name of individual or group deciding on instructions for record or series: SEDAC UWG, LTA Board.</td>
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<td>TemporalData.TemporalDataID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>TemporalData.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
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<tr>
<td>TemporalData.TCovPrecision</td>
<td>Precision of data used to describe temporal coverage: Year, Month, Day.</td>
</tr>
<tr>
<td>TemporalData.TCovStart</td>
<td>Start date for data collection.</td>
</tr>
<tr>
<td>TemporalData.TCovEnd</td>
<td>End date for data collection.</td>
</tr>
<tr>
<td>TemporalData.TCovProjectionTo</td>
<td>Date of temporal coverage projection to a future date.</td>
</tr>
<tr>
<td>TemporalData.TresDescription</td>
<td>Description of temporal resolution, time intervals between successive observations, frequency of granule production.</td>
</tr>
<tr>
<td>Relationship.FromProvenancID</td>
<td>Foreign Key, Provenance Table, part of Primary Key</td>
</tr>
<tr>
<td>Relationship.ToProvenanceID</td>
<td>Foreign Key, Provenance Table, part of Primary Key</td>
</tr>
<tr>
<td>Relationship.Relation</td>
<td>Part of Primary Key. Type of relationship: Subset, Superset, Derivative,</td>
</tr>
<tr>
<td></td>
<td>Relation.Has format</td>
</tr>
<tr>
<td></td>
<td>Relation.Has version</td>
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<td>Relation.Has part</td>
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Relation.Is part of  
Relation.Is referenced by  
Relation.Is version of  
Relation.Is required by  
Relation.Is replaced by  
Relation.Redaction  
Relation.References  
Relation.Replaces  
Source |
<table>
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<td>Relationship.RelationStartDate</td>
<td>Date relationship began.</td>
</tr>
<tr>
<td>Relationship.RelationEndDate</td>
<td>Date relationship ended.</td>
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<tr>
<td>Relationship.Note</td>
<td>Note about the relationship.</td>
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<td>Relation.Reason for redaction</td>
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<td>Foreign Key, Provenance Table</td>
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<tr>
<td>Identification.IdentifierType</td>
<td>Type of identifier for which the object has been assigned a unique ID: Global Identifier, TDB ID, UMDB Rec #, DOI, ISBN.</td>
</tr>
<tr>
<td>Identification.IdentifierAssigned</td>
<td>Unique Identifier assigned to an object for an identifier type.</td>
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<tr>
<td>Identifier.Case ID</td>
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<td>ProvReference.ProvReferenceID</td>
<td>Database generated, Primary Key</td>
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<td>ProvReference.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
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<td>ProvReference.RefAuthor</td>
<td>Names of authors of reference work.</td>
</tr>
<tr>
<td>ProvReference.RefAuthorRole</td>
<td>Role of authors of reference work (Eds.)</td>
</tr>
<tr>
<td>ProvReference.RefTitle</td>
<td>Title of reference work.</td>
</tr>
<tr>
<td>ProvReference.MonographAuthor</td>
<td>Author names of monograph containing reference work.</td>
</tr>
<tr>
<td>ProvReference.MonographAuthRole</td>
<td>Role of authors of monograph containing reference work (Eds.)</td>
</tr>
<tr>
<td>ProvReference.MonographTitle</td>
<td>Title of monograph containing reference work.</td>
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<tr>
<td>ProvReference.JournalTitle</td>
<td>Title of journal containing reference work.</td>
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<td>ProvReference.TranslatedTitle</td>
<td>English translation of title if in another language.</td>
</tr>
<tr>
<td>ProvReference.SubsidiaryAuthor</td>
<td>Names of subsidiary authors if author is an institution.</td>
</tr>
<tr>
<td>ProvReference.PublicationPlace</td>
<td>Location where reference work is published.</td>
</tr>
<tr>
<td>ProvReference.Publisher</td>
<td>Name of reference work publisher.</td>
</tr>
<tr>
<td>ProvReference.PublicationDate</td>
<td>Date reference work was published.</td>
</tr>
<tr>
<td><strong>ProvReference.PublicationYear</strong></td>
<td>Year when reference work was published.</td>
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<td><strong>ProvReference.CopyrightDate</strong></td>
<td>Date of copyright for reference work.</td>
</tr>
<tr>
<td><strong>ProvReference.VolumeID</strong></td>
<td>Volume identifier of reference work.</td>
</tr>
<tr>
<td><strong>ProvReference.IssueID</strong></td>
<td>Issue identifier of reference work.</td>
</tr>
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<td><strong>ProvReference.WorkExtent</strong></td>
<td>Total number of pages of reference work.</td>
</tr>
<tr>
<td><strong>ProvReference.PackagingMethod</strong></td>
<td>Public accessibility of reference work.</td>
</tr>
<tr>
<td><strong>ProvReference.SeriesEditor</strong></td>
<td>Editor of series containing reference work.</td>
</tr>
<tr>
<td><strong>ProvReference.SeriesEditorRole</strong></td>
<td>Role of Editor for series containing reference work.</td>
</tr>
<tr>
<td><strong>ProvReference.SeriesTitle</strong></td>
<td>Title of series containing reference work.</td>
</tr>
<tr>
<td><strong>ProvReference.SeriesVolumeID</strong></td>
<td>Volume identifier for series containing reference work.</td>
</tr>
<tr>
<td><strong>ProvReference.SeriesIssueID</strong></td>
<td>Issue identifier for series containing reference work.</td>
</tr>
<tr>
<td><strong>ProvReference.DocumentType</strong></td>
<td>Type of reference work. Ex: Journal, Book, Proceedings</td>
</tr>
<tr>
<td><strong>ProvReference.URL</strong></td>
<td>URL of text or full reference of reference work.</td>
</tr>
<tr>
<td><strong>ProvReference.Availability</strong></td>
<td>File path or file cabinet if stored, or blank if not available.</td>
</tr>
<tr>
<td><strong>ProvReference.Note</strong></td>
<td>Note about reference work.</td>
</tr>
<tr>
<td><strong>ProvReference.RefAbstract</strong></td>
<td>Abstract of reference work.</td>
</tr>
<tr>
<td><strong>ProvReference.CallNumber</strong></td>
<td>Identifier in classification system (LOC, Dewey, or other).</td>
</tr>
<tr>
<td><strong>ProvReference.ReferenceType</strong></td>
<td>Use of object by reference work. Ex: Report,</td>
</tr>
<tr>
<td><strong>ProvReference.RefCitation</strong></td>
<td>Complete bibliographic reference for reference work.</td>
</tr>
<tr>
<td><strong>ProvReference.RefCitSource</strong></td>
<td>Citation database or service listing reference and date found.</td>
</tr>
<tr>
<td><strong>ProvReference.RefUseRight</strong></td>
<td>Right or permission to use reference work, citation, or abstract.</td>
</tr>
<tr>
<td><strong>ProvReference.RefAccessRight</strong></td>
<td>Right/permission to access or link reference work, citation or abstract.</td>
</tr>
<tr>
<td><strong>ProvReference.DisplayOrder</strong></td>
<td>Order in which reference work will appear in reference list.</td>
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<tr>
<td><strong>Property.PropertyID</strong></td>
<td>Database generated, Primary Key</td>
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<tr>
<td><strong>Property.PropertyParentID</strong></td>
<td>Foreign Key, Property Table</td>
</tr>
<tr>
<td>Property.PropertyName</td>
<td>Name of the property describing an object: Ingest Status, Ingest Format Processing, Significant Property, DCMI Type, Document Type, Content Type, Subject, Language. For Ingest Status: Under Development by Creator, Being Prepared for Submission, Received by Archivist, Content Review Pending, Content Under Review by Archivist, Content Review Complete, Description Pending, Description Under Review, Description Complete, DOI Assigned, Quality Review Pending, Quality Review Complete, Failed Content Quality Review. Rejected - Data Returned to Creator, Ingested, Destroyed; For Ingest Format Processing: All files Ingested in Supported Formats, Original Non-Supported Formats Only, Original formats and All Files Migrated to Supported Formats; For Significant Properties: Intellectual Content of Text, intellectual content of image; For DCMI Type: Collection, Dataset, Event, Image, Interactive Resource, Moving Image, Physical Object, Service, Software, Sound, Still Image; For Document Type (ISO 19115 Document Type): PresentationFormCode: documentDigital, documentHardcopy, imageDigital, imageHardcopy, mapDigital, mapHardcopy, modelDigital, modelHardcopy, profileDigital, profileHardcopy, tableDigital, tableHardcopy, videoDigital, videoHardcopy; Content Type: Data, Documentation, Permission; Subject thesaurus or controlled vocabulary; Language: English, Spanish.</td>
</tr>
<tr>
<td>----------------------</td>
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<td>Provenance_Property.ProvenancePropertyID</td>
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<td>Foreign Key, Provenance Table</td>
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<td>Provenance_Property.PropertyID</td>
<td>Foreign Key, Property Table</td>
</tr>
<tr>
<td>Provenance_Property.PPStartDate</td>
<td>Date when property began</td>
</tr>
<tr>
<td>Provenance_Property.PPEndDate</td>
<td>Date when property ended.</td>
</tr>
<tr>
<td>Provenance_Property.Note</td>
<td>Note about property as it pertains to a particular provenance.</td>
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<tr>
<td>ProvenanceNote.ProvenanceNoteID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>ProvenanceNote.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>ProvenanceNote.NoteText</td>
<td>Note about the provenance of an object.</td>
</tr>
<tr>
<td>ProvenanceNote.PostedBy</td>
<td>Person who posted the note about the provenance of an object.</td>
</tr>
<tr>
<td>ProvenanceNote.PostedOn</td>
<td>Date the note was posted.</td>
</tr>
<tr>
<td>ProvenanceNote.NoteType</td>
<td>Type of provenance note: Accession, Maintenance, Disposition.</td>
</tr>
<tr>
<td>OtherTitle.OtherTitleID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>OtherTitle.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>OtherTitle.TitleType</td>
<td>Alternate Title, Former Title Relation.Provides Definition of</td>
</tr>
<tr>
<td>OtherTitle.Title</td>
<td>Other title of an object. Title.Alternative Title</td>
</tr>
<tr>
<td>OtherTitle.Note</td>
<td>Note about the other title of an object.</td>
</tr>
<tr>
<td>Person.PersonID</td>
<td>Database generated, Primary Key</td>
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<tr>
<td>Person.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>Person.PersonOrder</td>
<td>Order in which person will appear in a Person Role list, if sorted.</td>
</tr>
<tr>
<td>Person.FirstName</td>
<td>First name of person.</td>
</tr>
<tr>
<td>Person.LastName</td>
<td>Last name of person.</td>
</tr>
<tr>
<td>Person.Address1</td>
<td>Line 1 of person address.</td>
</tr>
<tr>
<td>Person.Address2</td>
<td>Line 2 of person address.</td>
</tr>
<tr>
<td>Person.City</td>
<td>City of person.</td>
</tr>
<tr>
<td><strong>Person.State</strong></td>
<td>State of person.</td>
</tr>
<tr>
<td><strong>Person.Country</strong></td>
<td>Country of person.</td>
</tr>
<tr>
<td><strong>Person.PostalCode</strong></td>
<td>Postal code address for person.</td>
</tr>
<tr>
<td><strong>Person.Phone</strong></td>
<td>Telephone number for person.</td>
</tr>
<tr>
<td><strong>Person.Fax</strong></td>
<td>Fax number for person.</td>
</tr>
<tr>
<td><strong>Person.Email1</strong></td>
<td>Primary e-mail address for person.</td>
</tr>
<tr>
<td><strong>Person.Email2</strong></td>
<td>Second e-mail address for person.</td>
</tr>
<tr>
<td><strong>Person.Note</strong></td>
<td>Note about person.</td>
</tr>
</tbody>
</table>

| **Institution.InstitutionID** | Database generated, Primary Key |
| **Institution.ProvenanceID** | Foreign Key, Provenance Table |
| **Institution.InstitutionRole** | Role of institution for object: Originating Organization, Program Support. |
| **Institution.InstitutionOrder** | Order in which the institution will appear on an institution role list if higher priority has been assigned. |
| **Institution.InstitutionName** | Name of institution. |
| **Institution.Address1** | Line 1 of institution address. |
| **Institution.Address2** | Line 2 of institution address. |
| **Institution.City** | City of institution. |
| **Institution.State** | State of institution. |
| **Institution.Country** | Country of institution. |
| **Institution.PostalCode** | Postal code for institution address. |
| **Institution.Phone** | Telephone number for institution. |
| **Institution.Fax** | Fax number for institution. |
| **Institution.Website** | Website URL for institution. |
| **Institution.Note** | Note about institution. |

<p>| <strong>Document.DocumentID</strong> | Database generated, Primary Key |
| <strong>Document.ProvenanceID</strong> | Foreign Key, Provenance Table |
| <strong>Document.Title</strong> | Title of document describing the object. |
| <strong>Document.ArchivalID</strong> | Identifier of the document if recorded as a provenance. |
| <strong>Document.AccessPoint</strong> | URL of access point that disseminates document (http://…; ftp://…). |
| <strong>Document.FileName</strong> | Filename of the document. |
| <strong>Document.Scheme</strong> | Encoding scheme for the document. MARC, EAD, |</p>
<table>
<thead>
<tr>
<th>Document.Language</th>
<th>Language in which the document is written: English, Spanish.</th>
</tr>
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<tbody>
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<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Distributor.DistributorName</td>
<td>Name of the service that distributes a dissemination of an object: CIESIN, Columbia Earth Institute, SEDAC, SEDAC LTA.</td>
</tr>
<tr>
<td>Distributor.Address1</td>
<td>Line 1 of distributor address.</td>
</tr>
<tr>
<td>Distributor.Address2</td>
<td>Line 2 of distributor address.</td>
</tr>
<tr>
<td>Distributor.City</td>
<td>City of distributor.</td>
</tr>
<tr>
<td>Distributor.State</td>
<td>State of distributor.</td>
</tr>
<tr>
<td>Distributor.TelePhone</td>
<td>Telephone number of distributor.</td>
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<tr>
<td>Distributor.Fax</td>
<td>Fax number of distributor.</td>
</tr>
<tr>
<td>Distributor.URL</td>
<td>URL of distributor.</td>
</tr>
<tr>
<td>Distributor.Email</td>
<td>Email address of distributor.</td>
</tr>
<tr>
<td>Distributor.Website</td>
<td>Website of distributor.</td>
</tr>
<tr>
<td>Dissemination.DisseminationID</td>
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<tr>
<td>Dissemination.DistributorID</td>
<td>Foreign Key, Distributor Table</td>
</tr>
<tr>
<td>Dissemination.Medium</td>
<td>Primary data storage medium for distributing object from dissemination service: CD-ROM, DVD, URN, URL, FTP.</td>
</tr>
<tr>
<td>Dissemination.PublicAccessPoint</td>
<td>Primary Access Point for distributing object to the public from dissemination service (http://...; ftp://...).</td>
</tr>
<tr>
<td>Dissemination.InternalLocation</td>
<td>Path and folder name of location from which object is distributed from internal dissemination service.</td>
</tr>
<tr>
<td>Dissemination.DissemSize</td>
<td>Size of object disseminated in Bytes</td>
</tr>
<tr>
<td>Dissemination.StartDate</td>
<td>Date dissemination service began disseminating object.</td>
</tr>
<tr>
<td>Dissemination.EndDate</td>
<td>Date dissemination service discontinued disseminating object.</td>
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| Date.Issued | |

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<table>
<thead>
<tr>
<th>Table Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dissemination.DIPDescription</td>
<td>File Inventory of all files included in the Dissemination Information Package (DIP) submitted to dissemination service for distribution.</td>
</tr>
<tr>
<td>Dissemination.DissemCharge</td>
<td>Amount received from dissemination service for distributing object.</td>
</tr>
<tr>
<td>Dissemination.DissemChargeUnit</td>
<td>Monetary unit of DissemCharge.</td>
</tr>
<tr>
<td>Dissemination.OriginalPublisher</td>
<td>Flag indicating that dissemination is by Original Publisher: N, Y.</td>
</tr>
<tr>
<td>Dissemination.PrimaryDistributor</td>
<td>Flag indicating that dissemination is by Primary Distributor: N. Y.</td>
</tr>
<tr>
<td>DissemAltPoint.DissemAltPointID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>DissemAltPoint.DisseminationID</td>
<td>Foreign Key, Dissemination Table</td>
</tr>
<tr>
<td>DissemAltPoint.AltAccessPoint</td>
<td>Alternate access point disseminating object (http://...; ftp://...).</td>
</tr>
<tr>
<td>DissemAltPoint.StartDate</td>
<td>Date started disseminating object at alternate access point.</td>
</tr>
<tr>
<td>DissemAltPoint.EndDate</td>
<td>Date stopped disseminating object at alternate access point.</td>
</tr>
<tr>
<td>DissemAltPoint.Note</td>
<td>Note on alternate dissemination point.</td>
</tr>
<tr>
<td>ProvDissemination.ProvDisseminationID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>ProvDissemination.DisseminationID</td>
<td>Foreign Key, Dissemination Table, part of Alternate Key</td>
</tr>
<tr>
<td>ProvDissemination.ProvenanceID</td>
<td>Foreign Key, Provenance Table, part of Alternate Key</td>
</tr>
<tr>
<td>ProvDissemination.RootPath</td>
<td>Directory path where object is disseminated within group.</td>
</tr>
<tr>
<td>ProvDissemination.StartDate</td>
<td>Date object began being disseminated within group.</td>
</tr>
<tr>
<td>ProvDissemination.EndDate</td>
<td>Date object no longer disseminated within group.</td>
</tr>
<tr>
<td>ProvDissemination.Note</td>
<td>Note on object dissemination within group.</td>
</tr>
<tr>
<td>PDFileList.PDFileListID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>PDFileList.ProvDisseminationID</td>
<td>Foreign Key, ProvDissemination Table</td>
</tr>
<tr>
<td>PDFileList.FileName</td>
<td>Name of the file listing files disseminated in dissemination.</td>
</tr>
<tr>
<td>PDFileList.StartDate</td>
<td>Date the listed files were included in dissemination.</td>
</tr>
<tr>
<td>PDFileList.EndDate</td>
<td>Date the listed files were no longer in dissemination.</td>
</tr>
<tr>
<td><strong>PDFFileList.Note</strong></td>
<td>Note about the list of files included within dissemination.</td>
</tr>
<tr>
<td>---------------------</td>
<td>-------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Catalog.CatalogID</strong></td>
<td>Database generated, Primary Key.</td>
</tr>
<tr>
<td><strong>Catalog.CatalogName</strong></td>
<td>Name of the catalog where an object is registered: SEDAC, CIESIN, EDGRS, ESIP, DLESE, NSDL.</td>
</tr>
<tr>
<td><strong>Catalog.URL</strong></td>
<td>URL of the catalog where an object is registered.</td>
</tr>
<tr>
<td><strong>Catalog.ContactInfo</strong></td>
<td>Contact information for a catalog where an object is registered.</td>
</tr>
<tr>
<td><strong>CatalogEntry.CatalogEntryID</strong></td>
<td>Database generated, Primary Key.</td>
</tr>
<tr>
<td><strong>CatalogEntry.DisseminationID</strong></td>
<td>Foreign Key, Dissemination Table.</td>
</tr>
<tr>
<td><strong>CatalogEntry.CatalogID</strong></td>
<td>Foreign Key, Catalog Table.</td>
</tr>
<tr>
<td><strong>CatalogEntry.EntryID</strong></td>
<td>Unique identifier in the catalog for the record describing the object.</td>
</tr>
<tr>
<td><strong>CatalogEntry.Submission</strong></td>
<td>Date description of entry was submitted to a catalog.</td>
</tr>
<tr>
<td><strong>CatalogEntry.StartDate</strong></td>
<td>Date catalog entry was available.</td>
</tr>
<tr>
<td><strong>CatalogEntry.EndDate</strong></td>
<td>Date catalog entry was no longer available.</td>
</tr>
<tr>
<td><strong>CatalogEntry.EntryStatus</strong></td>
<td>Status of catalog entry: None, Partial, Complete, Removed.</td>
</tr>
<tr>
<td><strong>CatalogEntry.EntryDesc</strong></td>
<td>Description of the dissemination included in the fields of the entry.</td>
</tr>
<tr>
<td><strong>CatalogEntry.EntryLastUpdate</strong></td>
<td>Date of the last update to the catalog entry for the object.</td>
</tr>
<tr>
<td><strong>CatalogEntry.Note</strong></td>
<td>Note about the catalog entry for an object.</td>
</tr>
<tr>
<td><strong>Location.LocationID</strong></td>
<td>Database generated, Primary Key.</td>
</tr>
<tr>
<td><strong>Location.LocType</strong></td>
<td>Type of location. Onsite Offline Archive, Offsite Offline Archive, Onsite Processing, Onsite Network, Onsite Storage Shelves.</td>
</tr>
<tr>
<td><strong>Location.LocName</strong></td>
<td>Name of the Location. CIESIN Archival Facility, GISS Computer Room, Geoscience Computer Room, Geoscience Storage Room.</td>
</tr>
<tr>
<td><strong>Location.LocDesc</strong></td>
<td>Description of the archival facilities at the location.</td>
</tr>
<tr>
<td><strong>Location.LocAGENT</strong></td>
<td>Name of the individual responsible for the location.</td>
</tr>
<tr>
<td><strong>LocationParam.LocationParamID</strong></td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td><strong>LocationParam.LocationID</strong></td>
<td>Foreign Key, Location Table</td>
</tr>
<tr>
<td><strong>LocationParam.ParamName</strong></td>
<td>Name of the parameter measured at the location: Temperature, High Temperature, Low Temperature, Humidity, High Humidity, Low Humidity, Inventory, Recovery Test.</td>
</tr>
<tr>
<td><strong>LocationParam.ParamValue</strong></td>
<td>Value of the parameter measured at the location.</td>
</tr>
<tr>
<td><strong>LocationParam.ParamUnit</strong></td>
<td>Unit of measurement for recorded value measured at location: Degrees Fahrenheit, Percentage.</td>
</tr>
<tr>
<td><strong>LocationParam.ParamDate</strong></td>
<td>Date and time of measurement.</td>
</tr>
<tr>
<td><strong>LocationParam.ParamNote</strong></td>
<td>Note on instrument or parameter measured.</td>
</tr>
<tr>
<td><strong>Media.MediaID</strong></td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td><strong>Media.MediaType</strong></td>
<td>Type of media used: CD-ROM, CD-R, DVD-R, DVD+R, Print.</td>
</tr>
<tr>
<td><strong>Media.MediaBrand</strong></td>
<td>Brand of the media: TDK 700 MB 48x Data CD-R.</td>
</tr>
<tr>
<td><strong>Media.MediaPurchaseDate</strong></td>
<td>Date the media was purchased.</td>
</tr>
<tr>
<td><strong>Media.Note</strong></td>
<td>Note about the media.</td>
</tr>
<tr>
<td><strong>Media_Location.LocationID</strong></td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td><strong>Media_Location.MediaID</strong></td>
<td>Foreign Key, Media Table</td>
</tr>
<tr>
<td><strong>Media_Location.DepositedOn</strong></td>
<td>Date the archival media was deposited at the location.</td>
</tr>
<tr>
<td><strong>Media_Location.RemovedOn</strong></td>
<td>Date the archival media was removed from the location.</td>
</tr>
<tr>
<td><strong>Media_Location.Note</strong></td>
<td>Note about the archival media housed at a location.</td>
</tr>
<tr>
<td><strong>Event.EventID</strong></td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td><strong>Event.MediaID</strong></td>
<td>Foreign Key, Media Table</td>
</tr>
<tr>
<td><strong>Event.EventStatus</strong></td>
<td>Status of the event: Complete, Scheduled, Postponed.</td>
</tr>
<tr>
<td><strong>Event.Designation</strong></td>
<td>Name of the event: Deposit, Inventory, Audit, Inspection, Virus Check, Media Write, Quality Check, Format Conversion, Removal, Check Out, Bring Forward, Media Request, Media Destruction.</td>
</tr>
<tr>
<td><strong>Event.Procedure</strong></td>
<td>Procedure completed on</td>
</tr>
<tr>
<td><strong>Event.Location</strong></td>
<td>Location where the event occurred.</td>
</tr>
<tr>
<td>-------------------</td>
<td>----------------------------------</td>
</tr>
<tr>
<td><strong>Event.EventDate</strong></td>
<td>Date and time of event.</td>
</tr>
<tr>
<td><strong>Event.Outcome</strong></td>
<td>Description of the event outcome.</td>
</tr>
<tr>
<td><strong>Event.Note</strong></td>
<td>Note about the event.</td>
</tr>
<tr>
<td><strong>Event.ResponsiblePerson</strong></td>
<td>Individual responsible for the event.</td>
</tr>
<tr>
<td><strong>Event.RetrievalRecipient</strong></td>
<td>Individual who received the media.</td>
</tr>
<tr>
<td><strong>Event.RetrievalRequestor</strong></td>
<td>Individual who requested the media.</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.ProvenanceMediaID</strong></td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.ProvenanceID</strong></td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.MediaID</strong></td>
<td>Foreign Key, Media Table</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.RootPath</strong></td>
<td>Path and directory of the object on the media.</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.WriteDate</strong></td>
<td>Date the object was written on the media.</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.DeleteDate</strong></td>
<td>Date the object was deleted from the media.</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.ValidationProc</strong></td>
<td>Signature type used to generate validation key: MD5, SHA-1.</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.KeyCreationDate</strong></td>
<td>Date validation key was generated.</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.Result</strong></td>
<td>Hash value, filename, or path and filename of stored validation signature.</td>
</tr>
<tr>
<td><strong>DataFile.DataFileID</strong></td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td><strong>DataFile.ProvenanceMediaID</strong></td>
<td>Foreign Key, ProvenanceMedia Table</td>
</tr>
<tr>
<td><strong>DataFile.FileName</strong></td>
<td>Name of the file including its extension.</td>
</tr>
<tr>
<td><strong>DataFile.FileSize</strong></td>
<td>Size of the file in bytes.</td>
</tr>
<tr>
<td><strong>DataFile.ContentType</strong></td>
<td>Type of content in the file: Data, Documentation, Permission, Startup.</td>
</tr>
<tr>
<td><strong>DataFile.MarkupType</strong></td>
<td>Type of markup used to encode contents of file: HTML, SGML, XML.</td>
</tr>
<tr>
<td><strong>DataFile.MarkupName</strong></td>
<td>Name of schema and version employed for the MarkupType: TEI DTD, W3C XML.</td>
</tr>
<tr>
<td>DataFile.MarkupSchema</td>
<td>Contents of schema used for the Markup Type.</td>
</tr>
<tr>
<td>---------------------------------------</td>
<td>---------------------------------------------</td>
</tr>
<tr>
<td>DataFile.FileAccessRight</td>
<td>Access rights or limitations specific to file: Universal Access -unrestricted, Research Use Only, Educational Use Only, Research and Educational Use Only, Non-Commercial Use Only, On-Site Use Only, Signed Confidentiality Agreement Only, Staff Only, Staff Addresses Only, Licensees Only, Domestic IP Addresses Only, No Online Access, No Access Allowed Pending Further Evaluation.</td>
</tr>
<tr>
<td>DataFile.ExofAccessRight</td>
<td>Date access rights or restrictions specific to file expire.</td>
</tr>
<tr>
<td>DataFile.PreservRestrictn</td>
<td>Preservation rights or limitations for preserving file.</td>
</tr>
<tr>
<td>DataFile.EncryptionInfo</td>
<td>Description of encryption employed on file.</td>
</tr>
<tr>
<td>DataFile.AccessInhibitors</td>
<td>Inhibitors to access inherent to the file: Password protection, AAA watermark.</td>
</tr>
<tr>
<td>DataFile.FileType</td>
<td>MIME Media Type for file in format Content Type/Subtype: application/pdf, audio/mpeg, image/tiff, message/http, model/vrml, multipart/signed, text/html, video/mpeg.</td>
</tr>
<tr>
<td>DataFile.FileVersion</td>
<td>Version of the MIME Media Type.</td>
</tr>
<tr>
<td>DataFile.FormatRegistry</td>
<td>Registry to identify the software program used to create or view the file: Pronom.</td>
</tr>
<tr>
<td>DataFile.RegistryEntry</td>
<td>Entry in the Format Registry for the file format.</td>
</tr>
<tr>
<td>DataFile.DateModified</td>
<td>Last date and time when file was written or modified.</td>
</tr>
<tr>
<td>DataFile.PreservFormat</td>
<td>File format is a preservation format: Y, N.</td>
</tr>
<tr>
<td>DataFile.AltFormat</td>
<td>Alternate or derivative formats that contain contents of file: txt, csv, pdf.</td>
</tr>
<tr>
<td>DataFile.OriginalFileID</td>
<td>Foreign key to DataFile.DataFileID. DataFileID for original file from which the file is a derivative.</td>
</tr>
<tr>
<td>DataFile.OriginalFileName</td>
<td>Filename (and extension) for the original source file from which the file described is a derivative.</td>
</tr>
<tr>
<td>--------------------------</td>
<td>-------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>DataFile.Creation</td>
<td>Description of the file creation, coded to record file history: Original file received, Migrated file, Archive generated file.</td>
</tr>
<tr>
<td>DataFile.History</td>
<td>Description of file history, coded string to record file history: O = Original file received, M = Migrated file, A = Archive generated file. MMO = Migrated file from Migrated file from Original file.</td>
</tr>
<tr>
<td>DataFile.RefreshDate</td>
<td>Last date and time file was written to any media.</td>
</tr>
<tr>
<td>DataFile.AccessStartDate</td>
<td>Date when access to file may be granted.</td>
</tr>
<tr>
<td>DataFile.AccessEndDate</td>
<td>Date when access to file ends.</td>
</tr>
<tr>
<td>DataFile.DeaccessionDate</td>
<td>Date when file was deaccessioned from archive.</td>
</tr>
<tr>
<td>FilePart.FilePartID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>FilePart.DataFileID</td>
<td>Foreign Key, DataFile Table</td>
</tr>
<tr>
<td>FilePart.FilePartType</td>
<td>Type of FilePart: Table, Screenshot, Thumbnail Image, Page Image, Annotation, Mask, Metadata Text.</td>
</tr>
<tr>
<td>FilePart.FilePartLoc</td>
<td>Location or address of FilePart within the file: Unknown.</td>
</tr>
<tr>
<td>FilePart.FilePartDesc</td>
<td>Description of FilePart differentiated from file.</td>
</tr>
<tr>
<td>Environment.EnvironmentID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Environment.DataFileID</td>
<td>Foreign Key, DataFile Table</td>
</tr>
<tr>
<td>Environment.EnvironmentType</td>
<td>Type of environment required for data file: Rendering Software, Display Application, Operating System, Middleware, Hardware CPU, Hardware Peripherals.</td>
</tr>
<tr>
<td>Environment.Title</td>
<td>Title of environment software or hardware required.</td>
</tr>
<tr>
<td>Environment.Description</td>
<td>Description of implementation environment for data file.</td>
</tr>
<tr>
<td>Environment.Documentation</td>
<td>Documentation for the implementation environment.</td>
</tr>
<tr>
<td>Environment.ExpiryDate</td>
<td>Date environment is scheduled to expire or be replaced.</td>
</tr>
<tr>
<td>------------------------</td>
<td>--------------------------------------------------------</td>
</tr>
<tr>
<td>AccessRestriction.AccessRestrictionID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>AccessRestriction.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>AccessRestriction.AccessRestriction</td>
<td>Security category or type of restriction: Onsite Use Only - Confidential Data - No Copying, Permission from Project Director Required, Confidentiality Agreement Required - No Copying or Network Access, Project Director only, Universal Access (unrestricted), Research Use Only, Educational Use Only, Research and Educational Use Only, Non-Commercial Use Only, On-Site Use Only, Signed Confidentiality Agreement Only, CU Personnel Only, CU Addresses Only, Domestic IP Addresses Only, No Online Access.</td>
</tr>
<tr>
<td>AccessRestriction.AccessRestrictionDesc</td>
<td>Description of restriction on access to object.</td>
</tr>
<tr>
<td>AccessRestriction.CurrentDeclaration</td>
<td>Confidentiality agreement or user agreement on restriction.</td>
</tr>
<tr>
<td>AccessRestriction.SecurityNote</td>
<td>Note about the security restriction on object.</td>
</tr>
<tr>
<td>AccessRestriction.SecurityReviewDate</td>
<td>Date security restriction is scheduled for review.</td>
</tr>
<tr>
<td>AccessRestriction.ARStartDate</td>
<td>Date access restriction on object begins.</td>
</tr>
<tr>
<td>AccessRestriction.AREndDate</td>
<td>Date access restriction on object ends.</td>
</tr>
<tr>
<td>Decision.DecisionID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Decision.DecisionType</td>
<td>Type of Decision: Acquisition, Nomination for Dissemination, Nomination for Deaccession, Nomination for Transfer, Nomination for Accession, Dissemination, Disposition, Transfer, Provisional Use, Beta System Dissemination; Production</td>
</tr>
</tbody>
</table>

Accessibility
Rights.GroupAccess
Rights.IndividualUser
Access.List
Rights.ProtectiveMarking
Mandate.PersonalData
Acquisition.Purpose
Rights.EIR Disclosability Indicator
Rights.EIR Disclosability Exemption
Rights.FOIA Disclosability Indicator
Rights.FOIA Disclosability Exemption
Rights.FOIA Release Details
Rights.Last FOIA Disclosability Review
Rights.ProtectiveMarking Change Date
Rights.FOIA Release Date Rights.ProtectiveMarking Expiry Date
<table>
<thead>
<tr>
<th><strong>Decision.Decision</strong></th>
<th>System Dissemination.</th>
<th>Disposal.Disposal Review Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decision about an object for a Decision Type. For Preservation Service: Preserve content, Preserve Original Formats; For SEDAC: Disseminate, Ancillary Product, Transfer to LTA; For SEDAC Acquisition: redistributed 3rd party data, value-added 3rd party data, SEDAC-developed; For LTA: Public Dissemination, Restricted Dissemination; (Others Considered: Under Review, Disseminate, Delete, Remove) The following 7 categories are not mutually exclusive: Delete; Retire; Long-Term Archive; Archive, But Not Disseminate, SEDAC Disseminate by Type: - Subsets Only, - Web Download - Internet Mapping; Missing; Add to SDP; Consolidate.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Decision.MeetingDate</strong></th>
<th>Date when the decision was made.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Decision.DecisionActiveDate</strong></td>
<td>Date on which the decision is implemented.</td>
</tr>
<tr>
<td><strong>Decision.Authority</strong></td>
<td>Authority deciding the status of an object within the archive: CIESIN Director, CIESIN Deputy Director, CIESIN Associate Director for IS, SEDAC UWG, SEDAC Project Manager, SEDAC Lead Project Scientist, SEDAC Archives Manager, SEDAC Archivist, LTA Board, LTA Manager, LTA Archivist.</td>
</tr>
<tr>
<td><strong>Decision.Note</strong></td>
<td>Note of Rationale or Justification for making the decision.</td>
</tr>
</tbody>
</table>

| **ProvenanceDecision.ProvenanceDecisionID** | Database generated, Primary Key |
| **ProvenanceDecision.ProvenanceID** | Foreign Key, Provenance Table |
| **ProvenanceDecision.DecisionID** | Foreign Key, Decision Table |
| **ProvenanceDecision.Note** | Note about the decision in reference to a specific provenance. |

<p>| <strong>RightOwner.RightOwnerID</strong> | Database generated, Primary Key |
| <strong>RightOwner.Entity</strong> | Organization that owns right |</p>
<table>
<thead>
<tr>
<th>Field Name</th>
<th>Description</th>
<th>Table Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>RightOwner.Signator</td>
<td>Person who signed document authorizing a right for an object.</td>
<td>Rights.Custodian</td>
</tr>
<tr>
<td>RightOwner.SignatorTitle</td>
<td>Title of signer authorizing a right for an object.</td>
<td>Rights.Custodian</td>
</tr>
<tr>
<td>RightOwner.SigContactInfo</td>
<td>Contact information for signer authorizing a right for an object.</td>
<td>Rights.Custodian</td>
</tr>
<tr>
<td>RightOwner.Address1</td>
<td>Line 1 of right owner address.</td>
<td>Rights.Custodian</td>
</tr>
<tr>
<td>RightOwner.Address2</td>
<td>Line 2 of right owner address.</td>
<td>Rights.Custodian</td>
</tr>
<tr>
<td>RightOwner.City</td>
<td>City of right owner.</td>
<td>Rights.Custodian</td>
</tr>
<tr>
<td>RightOwner.State</td>
<td>State of right owner.</td>
<td>Rights.Custodian</td>
</tr>
<tr>
<td>RightOwner.PostalCode</td>
<td>Postal code for right owner.</td>
<td>Rights.Custodian</td>
</tr>
<tr>
<td>RightOwner.Telephone</td>
<td>Telephone number for right owner.</td>
<td>Rights.Custodian</td>
</tr>
<tr>
<td>RightOwner.Fax</td>
<td>Fax number for right owner.</td>
<td>Rights.Custodian</td>
</tr>
<tr>
<td>RightOwner.Email</td>
<td>E-mail for right owner.</td>
<td>Rights.Custodian</td>
</tr>
<tr>
<td>RightOwner.Website</td>
<td>URL of right owner website.</td>
<td>Rights.Custodian</td>
</tr>
<tr>
<td>RightOwner.Note</td>
<td>Note about right owner.</td>
<td>Rights.Custodian</td>
</tr>
<tr>
<td>Right.RightID</td>
<td>Database generated, Primary Key</td>
<td>Rights.Descriptor</td>
</tr>
<tr>
<td>Right.RightType</td>
<td>Type of right held: copyright, license, public domain, contract, Permission.</td>
<td>Rights.Descriptor</td>
</tr>
<tr>
<td>Right.RightName</td>
<td>Distribution Right, Usage Right, Preservation Right, Access Right, Print Right.</td>
<td>Rights.Descriptor</td>
</tr>
<tr>
<td>Right.RightDesc</td>
<td>Description of the right and intellectual property restrictions or obligations.</td>
<td>Rights.Descriptor</td>
</tr>
<tr>
<td>Right.Note</td>
<td>Note on rights for object.</td>
<td>Rights.Descriptor</td>
</tr>
<tr>
<td>RightHeld.RightHeldID</td>
<td>Database generated, Primary Key</td>
<td>Rights.Copyright</td>
</tr>
<tr>
<td>RightHeld.RightOwnerID</td>
<td>Foreign Key, RightOwner Table</td>
<td>Rights.Copyright</td>
</tr>
<tr>
<td>RightHeld.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
<td>Rights.Copyright</td>
</tr>
<tr>
<td>RightHeld.RightID</td>
<td>Foreign Key, Right Table</td>
<td>Rights.Copyright</td>
</tr>
<tr>
<td>RightHeld.RightOrigination</td>
<td>Right granted to others or received from owner: Granted, Received.</td>
<td>Rights.Copyright</td>
</tr>
<tr>
<td>RightHeld.CurDeclaration</td>
<td>Content of license, contract, or permission statement.</td>
<td>Rights.Copyright</td>
</tr>
<tr>
<td>RightHeld.RightDocFile</td>
<td>Filename and directory path of the digital (or scanned) document that authorizes rights for an object.</td>
<td>Rights.Copyright</td>
</tr>
<tr>
<td>RightHeld.RightDocLoc</td>
<td>Location of original printed license, contract, or permission document: Onsite Archive, Offsite Archive, Storeroom, Not Printed.</td>
<td>Rights.Copyright</td>
</tr>
<tr>
<td>RightHeld.BeginDate</td>
<td>Date of execution for rights held or date of contract if not specified.</td>
<td></td>
</tr>
<tr>
<td>---------------------</td>
<td>------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>RightHeld.ExpiryDate</td>
<td>Date of expiration for rights held or null if no expiration date.</td>
<td></td>
</tr>
<tr>
<td>RightHeld.Receiver</td>
<td>Person who signed document (or agreed to conditions) and is authorized to acquire or use object.</td>
<td></td>
</tr>
<tr>
<td>RightHeld.Cost</td>
<td>Cost to acquire object or rights to object.</td>
<td></td>
</tr>
<tr>
<td>RightHeld.CostUnit</td>
<td>Monetary unit for cost to acquire object or rights to object.</td>
<td></td>
</tr>
<tr>
<td>RightHeld.Note</td>
<td>Note on right held for an object.</td>
<td></td>
</tr>
<tr>
<td>RightHeld.RightBrief</td>
<td>Brief description of right held and intended usage group or purpose: Use and distribute freely, Use and distribute only within organization, Distribute for research or educational purposes, Third party distribution, Research use only, Educational use only, Non-commercial use only, Staff use only.</td>
<td></td>
</tr>
<tr>
<td>Mandate.Data Protection Exempt Category</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RightHeld.Request</td>
<td>Request for rights, including the reason to justify authorization.</td>
<td></td>
</tr>
</tbody>
</table>
**Crosswalk:**
Data Model for Managing and Preserving Geospatial Electronic Records to Model Requirements for the Management of Electronic Records: MoReq

Classification Scheme Metadata Elements (12.3),
Class and File Metadata Elements (12.4),
Metadata Elements for File or Volume (12.5),
Volume Metadata Elements (12.6),
Record Metadata Elements (12.7), and
Record Extract Metadata Elements (12.8)

<table>
<thead>
<tr>
<th>Field</th>
<th>Definition</th>
<th>MoReq</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collection.CollectionID</td>
<td>Database generated, Primary Key</td>
<td>12.3.2, 12.4.1</td>
</tr>
<tr>
<td>Collection.Title</td>
<td>Title for a Collection: CIESIN Archive, SEDAC Scientific Data Archives, specific project Archive.</td>
<td>12.3.1, 12.4.2</td>
</tr>
<tr>
<td>Collection.Description</td>
<td>Description of the collection and keywords.</td>
<td>12.3.3, 12.4.3, 12.4.4</td>
</tr>
<tr>
<td>Collection.AccessReqmnty</td>
<td>Requirements for accessing the collection: Object Specific Requirements, CMB Approval, Systems Manager Approval.</td>
<td></td>
</tr>
<tr>
<td>Collection.InstallReqmnty</td>
<td>Requirements for installation of collection</td>
<td></td>
</tr>
<tr>
<td>Collection.SizeReqmnty</td>
<td>Storage volume requirement for collection, automatically calculated.</td>
<td></td>
</tr>
<tr>
<td>Collection.AccessInhibitor</td>
<td>Method(s) employed to inhibit access to collection that could affect preservation, such as encryption or watermarking.</td>
<td>12.7.28, 12.7.29</td>
</tr>
<tr>
<td>Collection.FindingAid</td>
<td>Method used to facilitate discovery of collection.</td>
<td></td>
</tr>
<tr>
<td>Collection.PresrvPermission</td>
<td>Statement of permission to copy collection or migrate to various formats for preservation.</td>
<td></td>
</tr>
<tr>
<td>Collection.RelationDesc</td>
<td>Description of relationships, relevant for preservation, between collection and other objects or collections.</td>
<td></td>
</tr>
<tr>
<td>Collection.Quirk</td>
<td>Characteristic that could degrade functionality or aspects of the collection.</td>
<td></td>
</tr>
<tr>
<td>Collection.Purpose</td>
<td>Purpose and reason for archiving the collection: Funding Agency Requirement; Scientific Value; Historical value; Fiduciary responsibility.</td>
<td></td>
</tr>
<tr>
<td>Collection.DecisionDate</td>
<td>Date of decision to archive the collection.</td>
<td></td>
</tr>
<tr>
<td>Collection.AccessStartDate</td>
<td>Date access was provided to collection.</td>
<td></td>
</tr>
<tr>
<td>Collection.AccessEndDate</td>
<td>Date when access to</td>
<td></td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
<td>Notes</td>
</tr>
<tr>
<td>--------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td><strong>Collection.</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Collection.DeaccessionDate</td>
<td>Date collection is deaccessioned by archive.</td>
<td>12.4.15</td>
</tr>
<tr>
<td>Collection.Note</td>
<td>Notes about collection.</td>
<td>12.3.4, 12.4.14</td>
</tr>
<tr>
<td><strong>Series.</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Series.SeriesID</td>
<td>Database generated, Primary Key</td>
<td>12.3.2, 12.4.1</td>
</tr>
<tr>
<td>Series.CollectionID</td>
<td>Foreign Key, Collection Table</td>
<td>12.6.1</td>
</tr>
<tr>
<td>Series.Title</td>
<td>Title of a record series category within a Collection: CIESIN Administrative Records, CIESIN Records Common to All Projects, CIESIN Scientific Data, SEDAC Operations Records, SEDAC Active Archive, SEDAC Long-Term Archive.</td>
<td>12.3.1, 12.4.2</td>
</tr>
<tr>
<td>Series.SeriesCode</td>
<td>Unique identifier for the record category: SEDAC Active Archive, SEDAC Long-Term Archive, CIESIN Archive, Series 100 CIESIN Records, Series 500 CIESIN Records, Series 600 SEDAC Operations Records, Series 700 SEDAC Active Archive, Series 800 Series Long-Term Archive.</td>
<td>12.3.2, 12.4.1</td>
</tr>
<tr>
<td>Series.Description</td>
<td>Description of the series.</td>
<td>12.3.3, 12.4.3, 12.4.4</td>
</tr>
<tr>
<td>Series.VRIndicator</td>
<td>Category of vital records, if applicable, for the series: Non-Vital Records, Emergency - Operating Records, Legal or Financial Rights, Emergency and Rights Records.</td>
<td>12.7.14</td>
</tr>
<tr>
<td>Series.VRRReviewDate</td>
<td>Date of next review of vital records in series.</td>
<td></td>
</tr>
<tr>
<td>Series.Activity</td>
<td>Level of use for series, assignment based on SeriesActivity.</td>
<td></td>
</tr>
<tr>
<td>Series.ActivityDate</td>
<td>Date when activity for the series was reviewed and assigned.</td>
<td></td>
</tr>
<tr>
<td>Series.CutoffDate</td>
<td>Date to cutoff records in series.</td>
<td></td>
</tr>
<tr>
<td>Series.AnnualAccum</td>
<td>Estimate of annual accumulation of records in series.</td>
<td></td>
</tr>
<tr>
<td>Series.AccessStartDate</td>
<td>Date when access to series began.</td>
<td></td>
</tr>
<tr>
<td>Series.EndDate</td>
<td>Date when access to series ended.</td>
<td></td>
</tr>
<tr>
<td>Series.DeaccessionDate</td>
<td>Date of deaccession for all records in series.</td>
<td>12.4.15</td>
</tr>
<tr>
<td>Series.Note</td>
<td>Notes about the series.</td>
<td>12.3.4, 12.4.14, 12.6.3</td>
</tr>
<tr>
<td>SeriesActivity.SeriesActivityID</td>
<td>Database generated,</td>
<td></td>
</tr>
<tr>
<td>Table</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>-----------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>SeriesActivity</td>
<td><strong>Primary Key</strong>&lt;br&gt;SeriesActivity.SeriesID  Foreign Key, Series Table. <strong>SeriesActivity.PeriodStartDate</strong> Date series activity period began. <strong>SeriesActivity.PeriodEndDate</strong> Date series activity period ended. <strong>SeriesActivity.UniqueUserCnt</strong> Number of unique users of series during period. <strong>SeriesActivity.TotalUserCnt</strong> Total number of users of series during period. <strong>SeriesActivity.Note</strong> Notes about series activity for a given period.</td>
<td></td>
</tr>
<tr>
<td>Aggregate</td>
<td><strong>Aggregate.AggregateID</strong> Database generated, Primary Key <strong>Aggregate.SeriesID</strong> Foreign Key, Series Table <strong>Aggregate.Title</strong> Title of Aggregate category assignment. For SEDAC Scientific Data Series mission areas: PLUE, ENTRI, EH, MVA, HVA, AFS, ES, EX, IG. <strong>Aggregate.AccessStartDate</strong> Date access to aggregate began. <strong>Aggregate.AccessEnDate</strong> Date when access to aggregate ended. <strong>Aggregate.DeaccessionDate</strong> Date of deaccession for all records in aggregate.</td>
<td></td>
</tr>
</tbody>
</table>
| Provenance            | **Provenance.ProvenanceID** Database generated, Primary Key **Provenance.AggregateID** Foreign Key, Aggregate Table **Provenance.Origin** Description of the creation process of the object. **Provenance.Title** Formal Title that identifies or describes the object. **Provenance.Version** Identification to differentiate object from other versions. **Provenance.PreIngest** Description of pre-ingest processing and custody of object. **Provenance.CreationDate** Date object was completed by Author. **Provenance.SubmissionDate** Date object was submitted to the archive for ingest. **Provenance.Citation** Complete citation for object. **Provenance.DesignedCommunity** Description of designated community of users, potential users, or audience for the object: Human interactions in the environment community, Decision-maker, Learner, Manager, Scientist, Teacher. **Provenance.ReqdPreservationService** Level of preservation service or preservation plan requested by submitter or data provider: Preserve Original Formats; Preserve 12.4.14 12.4.15 12.7.26 12.7.5, 12.8.3 12.7.22
<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provenance.ReqDisseminatnService</td>
<td>Level of dissemination service or dissemination plan requested by submitter or data provider: Restricted dissemination. Public Dissemination.</td>
</tr>
<tr>
<td>Provenance.ReasonForCreation</td>
<td>Reason or purpose for creating the described object.</td>
</tr>
<tr>
<td>Provenance.CustodyHistory</td>
<td>Chain of custody of object prior to ingest into archive.</td>
</tr>
<tr>
<td>Provenance.ReasonForPreservation</td>
<td>Justification for selecting object for preservation in archive.</td>
</tr>
<tr>
<td>Provenance.AcquisitionDate</td>
<td>Date original object was acquired by archive.</td>
</tr>
<tr>
<td>Provenance.AcquisitionVolume</td>
<td>Volume of original object acquired by archive.</td>
</tr>
<tr>
<td>Provenance.AcquisitionFileInventory</td>
<td>List of all files in original object acquired by archive.</td>
</tr>
<tr>
<td>Provenance.ReceivedDate</td>
<td>Date object received by the Archivist.</td>
</tr>
<tr>
<td>Provenance.DeaccessionDate</td>
<td>Date the object was deaccessioned from archive.</td>
</tr>
<tr>
<td>Provenance.AIPVolume</td>
<td>Total Size of the Archival Information Package created by the archive to preserve the Content Information and Associated Material.</td>
</tr>
<tr>
<td>Provenance.ContentInformationSize</td>
<td>Size of Content Information of the Archival Information Package in Bytes.</td>
</tr>
<tr>
<td>Provenance.AssociatedMaterialSize</td>
<td>Size of material associated with the Content Information of the AIP in Bytes.</td>
</tr>
<tr>
<td>Provenance.Functionality</td>
<td>Description of any functional characteristics of the object.</td>
</tr>
<tr>
<td>Provenance.AIPFileInventory</td>
<td>List of all filenames and sizes organized by the directory structure.</td>
</tr>
<tr>
<td>Provenance.AIPDataDictionary</td>
<td>List of each filename in object with title of document or description for each file, including alternate formats.</td>
</tr>
<tr>
<td>Provenance.AIP</td>
<td>All the files within their preservation structure, containing Content Information and Associated Information that has been transformed by the Archive for preservation (location in system if dbms is part of the repository).</td>
</tr>
<tr>
<td>Provenance.AIPCreationDate</td>
<td>Date archive created Preservation Master for</td>
</tr>
<tr>
<td>Archival Information Package.</td>
<td></td>
</tr>
<tr>
<td>-----------------------------</td>
<td></td>
</tr>
</tbody>
</table>

**Provenance.ReceivedSIP**

All of the files (within their original structure) received from the provider in the Submission Information Package (SIP) containing the Content Information and all Associated Information for the original object acquired (stored in system if dbms is part of the repository).

**Provenance.PreparedSIP**

All of the files (within their preservation structure), containing the Content Information and the Associated Information that have been prepared by the Archive for submission to another Archive or Collection (stored in system if dbms is part of the repository).

**Provenance.VitalRecordIndicator**

Vital Record status of object: Non-Vital Record, Emergency - Operating Record, Legal or Financial Rights Record, Emergency and Rights Record.

**Provenance.PermRecordIndicator**

Indicator that the record is a Permanent Record: N, Y.

**Provenance.RecordCondition**

Condition of record.

**Provenance.Description**

Description of the intellectual content of the object.

**Provenance.Methodology**

Instruments and techniques used to create the data.

**Provenance.Variable**

Variables, layouts, and codes used to describe the data.

**Provenance.SpatialCoverageDesc**

Political or geographical description of spatial coverage.

**Provenance.SpatialCoverageNote**

Latitude and longitude covered, if available.

**Provenance.SpatialResolution**

Spatial Resolution.

**Provenance.SpatialResolutionNote**

Notes on the spatial resolution of the object.

**Provenance.SRS**

Spatial Reference System used for spatial resolution.

**Provenance.BBoxMinX**

Minimum X Coordinate (Longitude) for the Bounding Box.

**Provenance.BBoxMinY**

Minimum Y Coordinate (Latitude) for the Bounding Box.

**Provenance.BBoxMaxX**

Maximum X Coordinate (Longitude) for the Bounding Box.

**Provenance.BBoxMaxY**

Maximum Y Coordinate
<p>| <strong>Provenance.SpatialCoverage</strong> | If database supports native spatial data types, this field should be used to store actual shape of spatial coverage. |
| <strong>Retention.RetentionID</strong> | Database generated, Primary Key |
| <strong>Retention.ProvenanceID</strong> | Foreign Key, Provenance Table, if retention relates to provenance. |
| <strong>Retention.SeriesID</strong> | Foreign Key, Series Table, if retention relates to series. |
| <strong>Retention.Instruction</strong> | Instructions for retention or disposition of record or series: Review every Five Years, Retain Indefinitely, Freeze, Transfer to LTA, Retire, Destroy. |
| <strong>Retention.InstructionReason</strong> | Justification for retention instructions on record or series. |
| <strong>Retention.InstrctnDate</strong> | Date instructions were decided for record or series. |
| <strong>Retention.InstrctnActDate</strong> | Date instructions are to be executed for record or series. |
| <strong>Retention.ScheduleDate</strong> | Date record or series will be reviewed. |
| <strong>Retention.Authority</strong> | Name of individual or group deciding on instructions for record or series: SEDAC UWG, LTA Board. |
| <strong>TemporalData.TemporalDataID</strong> | Database generated, Primary Key |
| <strong>TemporalData.ProvenanceID</strong> | Foreign Key, Provenance Table |
| <strong>TemporalData.TCovPrecision</strong> | Precision of data used to describe temporal coverage: Year, Month, Day. |
| <strong>TemporalData.TCovStart</strong> | Start date for data collection. |
| <strong>TemporalData.TCovEnd</strong> | End date for data collection. |
| <strong>TemporalData.TCovProjectionTo</strong> | Date of temporal coverage projection to a future date. |
| <strong>TemporalData.TresDescription</strong> | Description of temporal resolution, time intervals between successive observations, frequency of granule production. |
| <strong>Relationship.FromProvenanceID</strong> | Foreign Key, Provenance Table, part of Primary Key |
| <strong>Relationship.ToProvenanceID</strong> | Foreign Key, Provenance Table, part of Primary Key |
| <strong>Relationship.Relation</strong> | Part of Primary Key. Type of relationship: Subset, |</p>
<table>
<thead>
<tr>
<th><strong>Relationship</strong></th>
<th><strong>Description</strong></th>
<th><strong>Date</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Relationship.RelationStartDate</td>
<td>Date relationship began.</td>
<td>12.8.3</td>
</tr>
<tr>
<td>Relationship.RelationEndDate</td>
<td>Date relationship ended.</td>
<td>12.4.14</td>
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<td>Relationship.Note</td>
<td>Note about the relationship.</td>
<td>12.4.14</td>
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</table>

<table>
<thead>
<tr>
<th><strong>Identification</strong></th>
<th><strong>Description</strong></th>
<th><strong>Date</strong></th>
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<tr>
<td>Identification.IdentificationID</td>
<td>Database generated, Primary Key</td>
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<td>Identification.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
<td>12.7.1</td>
</tr>
<tr>
<td>Identification.IdentifierType</td>
<td>Type of identifier for which the object has been assigned a unique ID: Global Identifier, TDB ID, UMDB Rec #, DOI, ISBN.</td>
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<td>Identification.IdentifierAssigned</td>
<td>Unique Identifier assigned to an object for an identifier type.</td>
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</table>

<table>
<thead>
<tr>
<th><strong>ProvReference</strong></th>
<th><strong>Description</strong></th>
<th><strong>Date</strong></th>
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<td>Foreign Key, Provenance Table</td>
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<td>Names of authors of reference work.</td>
<td>12.7.1</td>
</tr>
<tr>
<td>ProvReference.RefAuthorRole</td>
<td>Role of authors of reference work (Eds.)</td>
<td>12.7.1</td>
</tr>
<tr>
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<td>Title of reference work.</td>
<td>12.7.1</td>
</tr>
<tr>
<td>ProvReference.MonographAuthor</td>
<td>Author names of monograph containing reference work.</td>
<td>12.7.1</td>
</tr>
<tr>
<td>ProvReference.MonographAuthRole</td>
<td>Role of authors of monograph containing reference work (Eds.)</td>
<td>12.7.1</td>
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<tr>
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<td>Title of monograph containing reference work.</td>
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</tr>
<tr>
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<td>Title of journal containing reference work.</td>
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</tr>
<tr>
<td>ProvReference.TranslatedTitle</td>
<td>English translation of title if in another language.</td>
<td>12.7.1</td>
</tr>
<tr>
<td>ProvReference.SubsidiaryAuthor</td>
<td>Names of subsidiary authors if author is an institution.</td>
<td>12.7.1</td>
</tr>
<tr>
<td>ProvReference.PublicationPlace</td>
<td>Location where reference work is published.</td>
<td>12.7.1</td>
</tr>
<tr>
<td>ProvReference.Publisher</td>
<td>Name of reference work publisher.</td>
<td>12.7.1</td>
</tr>
<tr>
<td>ProvReference.PublicationDate</td>
<td>Date reference work was published.</td>
<td>12.7.1</td>
</tr>
<tr>
<td>ProvReference.PublicationYear</td>
<td>Year when reference work was published.</td>
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</tr>
<tr>
<td>ProvReference.CopyrightDate</td>
<td>Date of copyright for reference work.</td>
<td>12.7.1</td>
</tr>
<tr>
<td>ProvReference.VolumeID</td>
<td>Volume identifier of reference work.</td>
<td>12.7.1</td>
</tr>
<tr>
<td>ProvReference.IssueID</td>
<td>Issue identifier of reference work.</td>
<td>12.7.1</td>
</tr>
<tr>
<td>Property</td>
<td>Description</td>
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<tr>
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<tr>
<td>ProvReference.WorkExtent</td>
<td>Total number of pages of reference work.</td>
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</tr>
<tr>
<td>ProvReference.PackagingMethod</td>
<td>Public accessibility of reference work.</td>
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</tr>
<tr>
<td>ProvReference.SeriesEditor</td>
<td>Editor of series containing reference work.</td>
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</tr>
<tr>
<td>ProvReference.SeriesEditorRole</td>
<td>Role of Editor for series containing reference work.</td>
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</tr>
<tr>
<td>ProvReference.SeriesTitle</td>
<td>Title of series containing reference work.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.DocumentType</td>
<td>Type of reference work. Ex: Journal, Book, Proceedings</td>
<td></td>
</tr>
<tr>
<td>ProvReference.URL</td>
<td>URL of text or full reference of reference work.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.Availability</td>
<td>File path or file cabinet if stored, or blank if not available.</td>
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</tr>
<tr>
<td>ProvReference.Note</td>
<td>Note about reference work.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.RefAbstract</td>
<td>Abstract of reference work.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.CallNumber</td>
<td>Identifier in classification system (LOC, Dewey, or other).</td>
<td></td>
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<tr>
<td>ProvReference.ReferenceType</td>
<td>Use of object by reference work. Ex: Report,</td>
<td></td>
</tr>
<tr>
<td>ProvReference.RefCitation</td>
<td>Complete bibliographic reference for reference work.</td>
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</tr>
<tr>
<td>ProvReference.RefCitSource</td>
<td>Citation database or service listing reference and date found.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.RefUseRight</td>
<td>Right or permission to use reference work, citation, or abstract.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.RefAccessRight</td>
<td>Right or permission to access or link reference work, citation or abstract.</td>
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<td>Order in which reference work will appear in reference list.</td>
<td></td>
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<td>Database generated, Primary Key</td>
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</tr>
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<td>Property.PropertyParentID</td>
<td>Foreign Key, Property Table</td>
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<td>Property.PropertyName</td>
<td>Name of the property describing an object: Ingest Status, Ingest Format</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Processing, Significant Property, DCMI Type, Document Type, Content Type,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Subject, Language. For Ingest Status: Under</td>
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12.5.5, 12.5.14
Development by Creator, Being Prepared for Submission, Received by Archivist, Content Review Pending, Content Under Review by Archivist, Content Review Complete, Description Pending, Description Under Review, Description Complete, DOI Assigned, Quality Review Pending, Quality Review Complete, Failed Content Quality Review, Rejected - Data Returned to Creator, Ingested, Destroyed; For Ingest Format Processing: All files Ingested in Supported Formats, Original Non-Supported Formats Only, Original formats and All Files Migrated to Supported Formats; For Significant Properties: Intellectual Content of Text, intellectual content of image; For DCMI Type: Collection, Dataset, Event, Image, Interactive Resource, Moving Image, Physical Object, Service, Software, Sound, Still Image; For Document Type (ISO 19115 Document Type): PresentationFormCode: documentDigital, documentHardcopy, imageDigital, imageHardcopy, mapDigital, mapHardcopy, modelDigital, modelHardcopy, profileDigital, profileHardcopy, tableDigital, tableHardcopy, videoDigital, videoHardcopy; Content Type: Data, Documentation, Permission; Subject thesaurus or controlled vocabulary; Language: English, Spanish.

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<tr>
<th>Property.PropertyDesc</th>
<th>Description of a property.</th>
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<td>Person.PersonOrder</td>
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<td>Person.City</td>
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<td>Person.Phone</td>
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<td>Person.Fax</td>
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<td>Column Name</td>
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<tr>
<td>Person.Email1</td>
<td>Primary e-mail address for person.</td>
</tr>
<tr>
<td>Person.Email2</td>
<td>Second e-mail address for person.</td>
</tr>
<tr>
<td>Person.Note</td>
<td>Note about person.</td>
</tr>
<tr>
<td>Institution.InstitutionID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Institution.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
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<tr>
<td>Institution.InstitutionRole</td>
<td>Role of institution for object. Originating Organization, Program Support.</td>
</tr>
<tr>
<td>Institution.InstitutionOrder</td>
<td>Order in which the institution will appear on an institution role list If higher priority has been assigned.</td>
</tr>
<tr>
<td>Institution.InstitutionName</td>
<td>Name of institution.</td>
</tr>
<tr>
<td>Institution.Address1</td>
<td>Line 1 of institution address.</td>
</tr>
<tr>
<td>Institution.Address2</td>
<td>Line 2 of institution address.</td>
</tr>
<tr>
<td>Institution.City</td>
<td>City of institution.</td>
</tr>
<tr>
<td>Institution.State</td>
<td>State of institution.</td>
</tr>
<tr>
<td>Institution.PostalCode</td>
<td>Postal code for institution address.</td>
</tr>
<tr>
<td>Institution.Phone</td>
<td>Telephone number for institution.</td>
</tr>
<tr>
<td>Institution.Fax</td>
<td>Fax number for institution.</td>
</tr>
<tr>
<td>Institution.Website</td>
<td>Website URL for institution.</td>
</tr>
<tr>
<td>Institution.Note</td>
<td>Note about institution.</td>
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<td>Foreign Key, Provenance Table</td>
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<tr>
<td>Document.Title</td>
<td>Title of document describing the object.</td>
</tr>
<tr>
<td>Document.ArchivalID</td>
<td>Identifier of the document if recorded as a provenance.</td>
</tr>
<tr>
<td>Document.AccessPoint</td>
<td>URL of access point that disseminates document (http://…; ftp://…).</td>
</tr>
<tr>
<td>Document.FileName</td>
<td>Filename of the document.</td>
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<tr>
<td>Field</td>
<td>Description</td>
</tr>
<tr>
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<td><strong>Document.Language</strong></td>
<td>Language in which the document is written: English, Spanish.</td>
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<tr>
<td><strong>Document.AdditionalInfo</strong></td>
<td>Additional information about the document.</td>
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<td>Database generated, Primary Key</td>
</tr>
<tr>
<td><strong>Distributor.DistributorName</strong></td>
<td>Name of the service that distributes a dissemination of an object: CIESIN, Columbia Earth Institute, SEDAC, SEDAC LTA.</td>
</tr>
<tr>
<td><strong>Distributor.Address1</strong></td>
<td>Line 1 of distributor address.</td>
</tr>
<tr>
<td><strong>Distributor.Address2</strong></td>
<td>Line 2 of distributor address.</td>
</tr>
<tr>
<td><strong>Distributor.City</strong></td>
<td>City of distributor.</td>
</tr>
<tr>
<td><strong>Distributor.State</strong></td>
<td>State of distributor.</td>
</tr>
<tr>
<td><strong>Distributor.PostalCode</strong></td>
<td>Postal Code of distributor.</td>
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<tr>
<td><strong>Distributor.Country</strong></td>
<td>Country of distributor.</td>
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<tr>
<td><strong>Distributor.TelePhone</strong></td>
<td>Telephone number of distributor.</td>
</tr>
<tr>
<td><strong>Distributor.Fax</strong></td>
<td>Fax number of distributor.</td>
</tr>
<tr>
<td><strong>Distributor.URL</strong></td>
<td>URL of distributor.</td>
</tr>
<tr>
<td><strong>Distributor.Email</strong></td>
<td>Email address of distributor.</td>
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<tr>
<td><strong>Distributor.Website</strong></td>
<td>Website of distributor.</td>
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<td><strong>Dissemination.DisseminationID</strong></td>
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<td><strong>Dissemination.DistributorID</strong></td>
<td>Foreign Key, Distributor Table</td>
</tr>
<tr>
<td><strong>Dissemination.Medium</strong></td>
<td>Primary data storage medium for distributing object from dissemination service: CD-ROM, DVD, URN, URL, FTP.</td>
</tr>
<tr>
<td><strong>Dissemination.PublicAccessPoint</strong></td>
<td>Primary Access Point for distributing object to the public from dissemination service (http://...; ftp://...).</td>
</tr>
<tr>
<td><strong>Dissemination.InternalLocation</strong></td>
<td>Path and folder name of location from which object is distributed from internal dissemination service.</td>
</tr>
<tr>
<td><strong>Dissemination.DissemSize</strong></td>
<td>Size of object disseminated in Bytes</td>
</tr>
<tr>
<td><strong>Dissemination.StartDate</strong></td>
<td>Date dissemination service began disseminating object.</td>
</tr>
<tr>
<td><strong>Dissemination.EndDate</strong></td>
<td>Date dissemination service discontinued disseminating object.</td>
</tr>
<tr>
<td><strong>Dissemination.DIPDescription</strong></td>
<td>File Inventory of all files included in the Dissemination Information Package (DIP) submitted to dissemination service for distribution.</td>
</tr>
</tbody>
</table>
| **Dissemination.DissemCharge**    | Amount received from dissemination service for
<table>
<thead>
<tr>
<th>Table</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>Dissemination.OriginalPublisher</td>
<td>Flag indicating that dissemination is by Original Publisher: N, Y.</td>
</tr>
<tr>
<td>Dissemination.PrimaryDistributor</td>
<td>Flag indicating that dissemination is by Primary Distributor: N, Y.</td>
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<td>DissemAltPoint.DissemAltPointID</td>
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<td>DissemAltPoint.DisseminationID</td>
<td>Foreign Key, Dissemination Table</td>
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<tr>
<td>DissemAltPoint.AltAccessPoint</td>
<td>Alternate access point disseminating object ([http://...; ftp://...]).</td>
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<tr>
<td>DissemAltPoint.StartDate</td>
<td>Date started disseminating object at alternate access point.</td>
</tr>
<tr>
<td>DissemAltPoint.EndDate</td>
<td>Date stopped disseminating object at alternate access point.</td>
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<td>Note on alternate dissemination point.</td>
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<td>ProvDissemination.ProvenanceID</td>
<td>Foreign Key, Provenance Table, part of Alternate Key</td>
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<tr>
<td>ProvDissemination.RootPath</td>
<td>Directory path where object is disseminated within group.</td>
</tr>
<tr>
<td>ProvDissemination.StartDate</td>
<td>Date object began being disseminated within group.</td>
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<tr>
<td>ProvDissemination.EndDate</td>
<td>Date object no longer disseminated within group.</td>
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<tr>
<td>ProvDissemination.Note</td>
<td>Note on object dissemination within group. 12.4.14</td>
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<td>PDFileList.StartDate</td>
<td>Date the listed files were included in dissemination.</td>
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<tr>
<td>PDFileList.EndDate</td>
<td>Date the listed files were no longer in dissemination.</td>
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<tr>
<td>Catalog.CatalogName</td>
<td>Name of the catalog where an object is registered:</td>
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<td>Database</td>
<td>Description</td>
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<tr>
<td>Catalog.URL</td>
<td>URL of the catalog where an object is registered.</td>
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<tr>
<td>Catalog.ContactInfo</td>
<td>Contact information for a catalog where an object is registered.</td>
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<td>Date catalog entry was available.</td>
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<td>CatalogEntry.EndDate</td>
<td>Date catalog entry was no longer available.</td>
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<tr>
<td>CatalogEntry.EntryStatus</td>
<td>Status of catalog entry: None, Partial, Complete, Removed.</td>
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<td>CatalogEntry.EntryDesc</td>
<td>Description of the dissemination included in the fields of the entry.</td>
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<td>Note about the catalog entry for an object.</td>
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<td>Type of location. Onsite Offline Archive, Offsite Offline Archive, Onsite Processing, Onsite Network, Onsite Storage Shelves.</td>
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<td>Location.LocName</td>
<td>Name of the Location. CIESIN Archival Facility, GISS Computer Room, Geoscience Computer Room, Geoscience Storage Room.</td>
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<td>Location.LocDesc</td>
<td>Description of the archival facilities at the location.</td>
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<td>Name of the individual responsible for the location.</td>
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<tr>
<td>LocationParam.ParamName</td>
<td>Name of the parameter measured at the location: Temperature, High Temperature, Low.</td>
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<td>Table</td>
<td>Description</td>
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<tr>
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<td>Value of the parameter measured at the location.</td>
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<td>Unit of measurement for recorded value measured at location: Degrees Fahrenheit, Percentage.</td>
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<td>Date and time of measurement.</td>
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<td>Brand of the media: TDK 700 MB 48x Data CD-R.</td>
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<td>Date the media was purchased.</td>
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<td>Note about the media.</td>
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<td>Media_Location.RemovedOn</td>
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<td>Note about the archival media housed at a location.</td>
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<td>Event.RetrievalRecipient</td>
<td>Individual who received the media.</td>
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<tr>
<td>Event.RetrievalRequestor</td>
<td>Individual who requested the media.</td>
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<tr>
<td>ProvenanceMedia.MediaID</td>
<td>Foreign Key, Media Table</td>
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<td>ProvenanceMedia.RootPath</td>
<td>Path and directory of the object on the media.</td>
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<tr>
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<td>Date the object was written on the media.</td>
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<tr>
<td>ProvenanceMedia.DeleteDate</td>
<td>Date the object was deleted from the media.</td>
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<tr>
<td>ProvenanceMedia.ValidationProc</td>
<td>Signature type used to generate validation key: MD5, SHA-1.</td>
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<tr>
<td>ProvenanceMedia.KeyCreationDate</td>
<td>Date validation key was generated.</td>
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<tr>
<td>ProvenanceMedia.Result</td>
<td>Hash value, filename, or path and filename of stored validation signature.</td>
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<tr>
<td>ProvenanceMedia.LastCheckDate</td>
<td>Date validation key generated and compared with original.</td>
</tr>
<tr>
<td>ProvenanceMedia.NextCheckDate</td>
<td>Date scheduled for validation key comparison.</td>
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<td>Name of the file including its extension.</td>
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<td>DataFile.FileSize</td>
<td>Size of the file in bytes.</td>
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<tr>
<td>DataFile.ContentType</td>
<td>Type of content in the file: Data, Documentation, Permission, Startup.</td>
</tr>
<tr>
<td>DataFile.MarkupType</td>
<td>Type of markup used to encode contents of file: HTML, SGML, XML.</td>
</tr>
<tr>
<td>DataFile.MarkupName</td>
<td>Name of schema and version employed for the MarkupType: TEI DTD, W3C XML.</td>
</tr>
<tr>
<td>DataFile.MarkupSchema</td>
<td>Contents of schema used for the Markup Type.</td>
</tr>
<tr>
<td>DataFile.FileAccessRight</td>
<td>Access rights or limitations specific to file: Universal Access -unrestricted, Research Use Only, Educational Use Only, Research and Educational</td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
</tr>
<tr>
<td><strong>Column</strong></td>
<td><strong>Description</strong></td>
</tr>
<tr>
<td>------------</td>
<td>----------------</td>
</tr>
<tr>
<td><strong>Archive generated file.</strong></td>
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</tr>
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<td><strong>DataFile.RefreshDate</strong></td>
<td>Last date and time file was written to any media.</td>
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<tr>
<td><strong>DataFile.AccessStartDate</strong></td>
<td>Date when access to file may be granted.</td>
</tr>
<tr>
<td><strong>DataFile.AccessEndDate</strong></td>
<td>Date when access to file ends.</td>
</tr>
<tr>
<td><strong>DataFile.DeaccessionDate</strong></td>
<td>Date when file was deaccessioned from archive.</td>
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<td><strong>FilePart.FilePartID</strong></td>
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<tr>
<td><strong>FilePart.DataFileID</strong></td>
<td>Foreign Key, DataFile Table</td>
</tr>
<tr>
<td><strong>FilePart.FilePartType</strong></td>
<td>Type of FilePart: Table, Screenshot, Thumbnail Image, Page Image, Annotation, Mask, Metadata Text.</td>
</tr>
<tr>
<td><strong>FilePart.FilePartLoc</strong></td>
<td>Location or address of FilePart within the file: Unknown.</td>
</tr>
<tr>
<td><strong>FilePart.FilePartDesc</strong></td>
<td>Description of FilePart differentiated from file.</td>
</tr>
<tr>
<td><strong>Environment.EnvironmentID</strong></td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td><strong>Environment.DataFileID</strong></td>
<td>Foreign Key, DataFile Table</td>
</tr>
<tr>
<td><strong>Environment.EnvironmentType</strong></td>
<td>Type of environment required for data file: Rendering Software, Display Application, Operating System, Middleware, Hardware CPU, Hardware Peripherals.</td>
</tr>
<tr>
<td><strong>Environment.Title</strong></td>
<td>Title of environment software or hardware required.</td>
</tr>
<tr>
<td><strong>Environment.Description</strong></td>
<td>Description of implementation environment for data file.</td>
</tr>
<tr>
<td><strong>Environment.Documentation</strong></td>
<td>Documentation for the implementation environment.</td>
</tr>
<tr>
<td><strong>Environment.ExpiryDate</strong></td>
<td>Date environment is scheduled to expire or be replaced.</td>
</tr>
<tr>
<td><strong>AccessRestriction.AccessRestrictionID</strong></td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td><strong>AccessRestriction.ProvenanceID</strong></td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td><strong>AccessRestriction.AccessRestriction</strong></td>
<td>Security category or type of restriction: Onsite Use Only - Confidential Data- No Copying, Permission from Project Director Required, Confidentiality Agreement Required - No Copying or Network Access, Project Director only, Universal Access (unrestricted), Research Use Only, Educational Use Only, Research and Educational Use Only. Non-Commercial Use Only, On-Site Use Only. Signed Confidentiality Agreement Only, CU Personnel Only, CU Addresses Only, Domestic IP Addresses Only, No Online Access.</td>
</tr>
<tr>
<td><strong>AccessRestriction.AccessRestrictionDesc</strong></td>
<td>Description of restriction on access to object.</td>
</tr>
<tr>
<td><strong>AccessRestriction.CurrentDeclaration</strong></td>
<td>Confidentiality agreement or user agreement on restriction.</td>
</tr>
<tr>
<td><strong>AccessRestriction.SecurityNote</strong></td>
<td>Note about the security restriction on object.</td>
</tr>
<tr>
<td><strong>AccessRestriction.SecurityReviewDate</strong></td>
<td>Date security restriction is scheduled for review.</td>
</tr>
<tr>
<td><strong>AccessRestriction.ARStartDate</strong></td>
<td>Date access restriction on object begins.</td>
</tr>
<tr>
<td><strong>AccessRestriction.AREndDate</strong></td>
<td>Date access restriction on object ends.</td>
</tr>
<tr>
<td><strong>Decision.DecisionID</strong></td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td><strong>Decision.DecisionType</strong></td>
<td>Type of Decision: Acquisition, Nomination for Dissemination, Nomination for Deaccession, Nomination for Transfer, Nomination for Accession, Dissemination, Disposition, Transfer, Provisional Use, Beta System Dissemination; Production System Dissemination.</td>
</tr>
<tr>
<td><strong>Decision.Decision</strong></td>
<td>Decision about an object for a Decision Type. For Preservation Service: Preserve content, Preserve Original Formats; For SEDAC: Disseminate, Ancillary Product, Transfer to LTA; For SEDAC Acquisition: redistributed 3rd party data, value-added 3rd party data, SEDAC-developed; For LTA: Public Dissemination, Restricted Dissemination; (Others</td>
</tr>
</tbody>
</table>
Considered: Under Review, Disseminate, Delete, Remove) The following 7 categories are not mutually exclusive: Delete; Retire; Long-Term Archive; Archive, But Not Disseminate, SEDAC Disseminate by Type: - Subsets Only, - Web Download - Internet Mapping; Missing; Add to SDP; Consolidate.

<table>
<thead>
<tr>
<th>Decision.MostingDate</th>
<th>Date when the decision was made.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decision.DecisionActiveDate</td>
<td>Date on which the decision is implemented.</td>
</tr>
<tr>
<td>Decision.Authority</td>
<td>Authority deciding the status of an object within the archive: CIESIN Director, CIESIN Deputy Director, CIESIN Associate Director for IS, SEDAC UWG, SEDAC Project Manager, SEDAC Lead Project Scientist, SEDAC Archives Manager, SEDAC Archivist, LTA Board, LTA Manager, LTA Archivist.</td>
</tr>
<tr>
<td>Decision.Note</td>
<td>Note of Rationale or Justification for making the decision. 12.4.14</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ProvenanceDecision.ProvenanceDecisionID</th>
<th>Database generated, Primary Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>ProvenanceDecision.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>ProvenanceDecision.DecisionID</td>
<td>Foreign Key, Decision Table</td>
</tr>
<tr>
<td>ProvenanceDecision.Note</td>
<td>Note about the decision in reference to a specific provenance. 12.4.14</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RightOwner.RightOwnerID</th>
<th>Database generated, Primary Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>RightOwner.Entity</td>
<td>Organization that owns right for an object or Public Domain.</td>
</tr>
<tr>
<td>RightOwner.Signator</td>
<td>Person who signed document authorizing a right for an object.</td>
</tr>
<tr>
<td>RightOwner.SignatorTitle</td>
<td>Title of signer authorizing a right for an object.</td>
</tr>
<tr>
<td>RightOwner.SigContactInfo</td>
<td>Contact information for signer authorizing a right for an object.</td>
</tr>
<tr>
<td>RightOwner.Address1</td>
<td>Line 1 of right owner address.</td>
</tr>
<tr>
<td>RightOwner.Address2</td>
<td>Line 2 of right owner address.</td>
</tr>
<tr>
<td>RightOwner.City</td>
<td>City of right owner.</td>
</tr>
<tr>
<td><strong>RightOwner.State</strong></td>
<td>State of right owner.</td>
</tr>
<tr>
<td>----------------------</td>
<td>----------------------</td>
</tr>
<tr>
<td><strong>RightOwner.Country</strong></td>
<td>Country of right owner.</td>
</tr>
<tr>
<td><strong>RightOwner.PostalCode</strong></td>
<td>Postal code for right owner.</td>
</tr>
<tr>
<td><strong>RightOwner.Telephone</strong></td>
<td>Telephone number for right owner.</td>
</tr>
<tr>
<td><strong>RightOwner.Fax</strong></td>
<td>Fax number for right owner.</td>
</tr>
<tr>
<td><strong>RightOwner.Email</strong></td>
<td>E-mail for right owner.</td>
</tr>
<tr>
<td><strong>RightOwner.Website</strong></td>
<td>URL of right owner website.</td>
</tr>
<tr>
<td><strong>RightOwner.Note</strong></td>
<td>Note about right owner.</td>
</tr>
<tr>
<td><strong>Right.RightID</strong></td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td><strong>Right.RightType</strong></td>
<td>Type of right held: copyright, license, public domain, contract, Permission.</td>
</tr>
<tr>
<td><strong>Right.RightName</strong></td>
<td>Distribution Right, Usage Right, Preservation Right, Access Right, Print Right.</td>
</tr>
<tr>
<td><strong>Right.RightDesc</strong></td>
<td>Description of the right and intellectual property restrictions or obligations.</td>
</tr>
<tr>
<td><strong>Right.Note</strong></td>
<td>Note on rights for object.</td>
</tr>
<tr>
<td><strong>RightHeld.RightHeldID</strong></td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td><strong>RightHeld.RightOwnerID</strong></td>
<td>Foreign Key, RightOwner Table</td>
</tr>
<tr>
<td><strong>RightHeld.ProvenanceID</strong></td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td><strong>RightHeld.RightID</strong></td>
<td>Foreign Key, Right Table</td>
</tr>
<tr>
<td><strong>RightHeld.RightOrigination</strong></td>
<td>Right granted to others or received from owner: Granted, Received.</td>
</tr>
<tr>
<td><strong>RightHeld.CurDeclaration</strong></td>
<td>Content of license, contract, or permission statement.</td>
</tr>
<tr>
<td><strong>RightHeld.RightDocFile</strong></td>
<td>Filename and directory path of the digital (or scanned) document that authorizes rights for an object.</td>
</tr>
<tr>
<td><strong>RightHeld.RightDocLoc</strong></td>
<td>Location of original printed license, contract, or permission document: Onsite Archive, Offsite Archive, Storeroom, Not Printed.</td>
</tr>
<tr>
<td><strong>RightHeld.BeginDate</strong></td>
<td>Date of execution for rights held or date of contract if not specified.</td>
</tr>
<tr>
<td><strong>RightHeld.ExpiryDate</strong></td>
<td>Date of expiration for rights held or null if no expiration date.</td>
</tr>
<tr>
<td><strong>RightHeld.Receiver</strong></td>
<td>Person who signed document (or agreed to conditions) and is authorized to acquire or use object.</td>
</tr>
<tr>
<td><strong>RightHeld.Cost</strong></td>
<td>Cost to acquire object or rights to object.</td>
</tr>
<tr>
<td><strong>RightHeld.CostUnit</strong></td>
<td>Monetary unit for cost to acquire object or rights to</td>
</tr>
<tr>
<td>RightHeld.Note</td>
<td>Note on right held for an object.</td>
</tr>
<tr>
<td>------------------------</td>
<td>----------------------------------</td>
</tr>
<tr>
<td>RightHeld.RightBrief</td>
<td>Brief description of right held and intended usage group or purpose: Use and distribute freely, Use and distribute only within organization, Distribute for research or educational purposes, Third party distribution, Research use only, Educational use only, Non-commercial use only, Staff use only.</td>
</tr>
<tr>
<td>RightHeld.Request</td>
<td>Request for rights, including the reason to justify authorization.</td>
</tr>
</tbody>
</table>
Crosswalk:

File Plan Components (C2.T1)
Record Folder Components (C2.T2)
Record Metadata Components (C2.T3)

<table>
<thead>
<tr>
<th>Field</th>
<th>Definition</th>
<th>DoD5015.2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collection.CollectionID</td>
<td>Database generated, Primary Key</td>
<td>C2.T1.2. Record Category Identifier</td>
</tr>
<tr>
<td>Collection.Title</td>
<td>Title for a Collection: CIESIN Archive, SEDAC Scientific Data Archives, specific project Archive.</td>
<td>C2.T1.1. Record Category Name</td>
</tr>
<tr>
<td>Collection.Description</td>
<td>Description of the collection and keywords.</td>
<td>C2.T1.3. Record Category Description</td>
</tr>
<tr>
<td>Collection.AccessReqmnt</td>
<td>Requirements for accessing the collection: Object Specific Requirements, CMB Approval, Systems Manager Approval.</td>
<td></td>
</tr>
<tr>
<td>Collection.InstallReqmnt</td>
<td>Requirements for installation of collection</td>
<td></td>
</tr>
<tr>
<td>Collection.SizeReqmnt</td>
<td>Storage volume requirement for collection, automatically calculated.</td>
<td></td>
</tr>
<tr>
<td>Collection.AccessInhibitor</td>
<td>Method(s) employed to inhibit access to collection that could affect preservation, such as encryption or watermarking.</td>
<td></td>
</tr>
<tr>
<td>Collection.FindingAid</td>
<td>Method used to facilitate discovery of collection.</td>
<td></td>
</tr>
<tr>
<td>Collection.PresrvPermission</td>
<td>Statement of permission to copy collection or migrate to various formats for preservation.</td>
<td></td>
</tr>
<tr>
<td>Collection.RelationDesc</td>
<td>Description of relationships, relevant for preservation, between collection and other objects or collections.</td>
<td></td>
</tr>
<tr>
<td>Collection.Quirk</td>
<td>Characteristic that could degrade functionality or aspects of the collection.</td>
<td></td>
</tr>
<tr>
<td>Collection.Purpose</td>
<td>Purpose and reason for archiving the collection: Funding Agency Requirement; Scientific Value; Historical value; Fiduciary responsibility.</td>
<td></td>
</tr>
<tr>
<td>Collection.DecisionDate</td>
<td>Date of decision to archive the collection.</td>
<td></td>
</tr>
<tr>
<td>Collection.AccessStartDate</td>
<td>Date access was provided to collection.</td>
<td></td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>-----------------------------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>Collection.AccessEndDate</td>
<td>Date when access to collection ended.</td>
<td></td>
</tr>
<tr>
<td>Collection.DeaccessionDate</td>
<td>Date collection is deaccessioned by archive.</td>
<td></td>
</tr>
<tr>
<td>Collection.Note</td>
<td>Notes about collection. C2.T1.9 User Definable Fields</td>
<td></td>
</tr>
<tr>
<td>Series.SeriesID</td>
<td>Database generated, Primary Key C2.T2.1.2. Folder Unique Key</td>
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</tr>
<tr>
<td>Series.CollectionID</td>
<td>Foreign Key, Collection Table</td>
<td></td>
</tr>
<tr>
<td>Series.Title</td>
<td>Title of a record series category within a Collection: CIESIN Administrative Records, CIESIN Records Common to All Projects, CIESIN Scientific Data, SEDAC Operations Records, SEDAC Active Archive, SEDAC Long-Term Archive.</td>
<td></td>
</tr>
<tr>
<td>Series.Description</td>
<td>Description of the series.</td>
<td></td>
</tr>
<tr>
<td>Series.VRIndicator</td>
<td>Category of vital records, if applicable, for the series: Non-Vital Records, Emergency - Operating Records, Legal or Financial Rights, Emergency and Rights Records.</td>
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</tr>
<tr>
<td>Series.VRReviewDate</td>
<td>Date of next review of vital records in series.</td>
<td></td>
</tr>
<tr>
<td>Series.Activity</td>
<td>Level of use for series, assignment based on SeriesActivity.</td>
<td></td>
</tr>
<tr>
<td>Series.ActivityDate</td>
<td>Date when activity for the series was reviewed and assigned.</td>
<td></td>
</tr>
<tr>
<td>Series.CutoffDate</td>
<td>Date to cutoff records in series.</td>
<td></td>
</tr>
<tr>
<td>Series.AnnualAccum</td>
<td>Estimate of annual accumulation of records in series.</td>
<td></td>
</tr>
<tr>
<td>Series.AccessStartDate</td>
<td>Date when access to series began.</td>
<td></td>
</tr>
<tr>
<td>Series.EndDate</td>
<td>Date when access to series ended.</td>
<td></td>
</tr>
<tr>
<td>Series.DeaccessionDate</td>
<td>Date of deaccession for all records in series.</td>
<td></td>
</tr>
<tr>
<td>Series.Note</td>
<td>Notes about the series. C2.T2.7 User-Definable Fields</td>
<td></td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
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<tr>
<td>SeriesActivity.SeriesActivityID</td>
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<tr>
<td>SeriesActivity.SeriesID</td>
<td>Foreign Key, Series Table</td>
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<tr>
<td>SeriesActivity.PeriodStartDate</td>
<td>Date series activity period began.</td>
<td></td>
</tr>
<tr>
<td>SeriesActivity.PeriodEndDate</td>
<td>Date series activity period ended.</td>
<td></td>
</tr>
<tr>
<td>SeriesActivity.UniqueUserCnt</td>
<td>Number of unique users of series during period.</td>
<td></td>
</tr>
<tr>
<td>SeriesActivity.TotalUserCnt</td>
<td>Total number of users of series during period.</td>
<td></td>
</tr>
<tr>
<td>SeriesActivity.Note</td>
<td>Notes about series activity for a given period.</td>
<td></td>
</tr>
<tr>
<td>Aggregate.AggregateID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Aggregate.SeriesID</td>
<td>Foreign Key, Series Table</td>
<td></td>
</tr>
<tr>
<td>Aggregate.Title</td>
<td>Title of Aggregate category assignment. For SEDAC Scientific Data Series mission areas: PLUE, ENTRI, EH, MVA, HVA, AFS, ES, EX, IG.</td>
<td></td>
</tr>
<tr>
<td>Aggregate.AccessStartDate</td>
<td>Date access to aggregate began.</td>
<td></td>
</tr>
<tr>
<td>Aggregate.AccessEnDate</td>
<td>Date when access to aggregate ended.</td>
<td></td>
</tr>
<tr>
<td>Aggregate.DeaccessionDate</td>
<td>Date of deaccession for all records in aggregate.</td>
<td></td>
</tr>
<tr>
<td>Provenance.ProvenanceID</td>
<td>Database generated, Primary Key</td>
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</tr>
<tr>
<td>Provenance.AggregateID</td>
<td>Foreign Key, Aggregate Table</td>
<td></td>
</tr>
<tr>
<td>Provenance.Origin</td>
<td>Description of the creation process of the object.</td>
<td></td>
</tr>
<tr>
<td>Provenance.Title</td>
<td>Formal Title that identifies or describes the object.</td>
<td></td>
</tr>
<tr>
<td>Provenance.Version</td>
<td>Identification to differentiate object from other versions.</td>
<td></td>
</tr>
<tr>
<td>Provenance.PreIngest</td>
<td>Description of pre-ingest processing and custody of object.</td>
<td></td>
</tr>
<tr>
<td>Provenance.CreationDate</td>
<td>Date object was completed by Author.</td>
<td></td>
</tr>
<tr>
<td>Provenance.SubmissionDate</td>
<td>Date object was submitted to the archive for ingest.</td>
<td></td>
</tr>
<tr>
<td>Provenance.Citation</td>
<td>Complete citation for object.</td>
<td></td>
</tr>
<tr>
<td>Provenance.DesignatedCommunity</td>
<td>Description of designated community of users, potential users, or audience for the object: Human interactions in the environment community, Decision-maker, Learner, Manager, Scientist, Teacher.</td>
<td></td>
</tr>
<tr>
<td>Provenance.ReqdPreservationService</td>
<td>Level of preservation service or preservation plan</td>
<td></td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Provenance.ReqDisseminatnService</td>
<td>Level of dissemination service or dissemination plan requested by submitter or data provider: Restricted dissemination. Public Dissemination.</td>
<td></td>
</tr>
<tr>
<td>Provenance.ReasonForCreation</td>
<td>Reason or purpose for creating the described object.</td>
<td></td>
</tr>
<tr>
<td>Provenance.CustodyHistory</td>
<td>Chain of custody of object prior to ingest into archive.</td>
<td></td>
</tr>
<tr>
<td>Provenance.ReasonForPreservation</td>
<td>Justification for selecting object for preservation in archive.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AcquisitionDate</td>
<td>Date original object was acquired by archive.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AcquisitionVolume</td>
<td>Volume of original object acquired by archive.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AcquisitionFileInventory</td>
<td>List of all files in original object acquired by archive.</td>
<td></td>
</tr>
<tr>
<td>Provenance.ReceivedDate</td>
<td>Date object received by the Archivist.</td>
<td></td>
</tr>
<tr>
<td>Provenance.DeaccessionDate</td>
<td>Date the object was deaccessioned from archive.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AIPVolume</td>
<td>Total Size of the Archival Information Package created by the archive to preserve the Content Information and Associated Material</td>
<td></td>
</tr>
<tr>
<td>Provenance.ContentInformationSize</td>
<td>Size of Content Information of the Archival Information Package in Bytes.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AssociatedMaterialSize</td>
<td>Size of material associated with the Content Information of the AIP in Bytes.</td>
<td></td>
</tr>
<tr>
<td>Provenance.Functionality</td>
<td>Description of any functional characteristics of the object.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AIPFileInventory</td>
<td>List of all filenames and sizes organized by the directory structure.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AIPDataDictionary</td>
<td>List of each filename in object with title of document or description for each file, including alternate formats.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AIP</td>
<td>All the files within their preservation structure, containing Content Information and Associated Information that has been transformed by the Archive for preservation (location in system if dbms is part of the</td>
<td></td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
<td>Code</td>
</tr>
<tr>
<td>--------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>Provenance.AIPCreationDate</td>
<td>Date archive created Preservation Master for Archival Information Package.</td>
<td></td>
</tr>
<tr>
<td>Provenance.ReceivedSIP</td>
<td>All of the files (within their original structure) received from the provider in the Submission Information Package (SIP) containing the Content Information and all Associated Information for the original object acquired (stored in system if dbms is part of the repository).</td>
<td></td>
</tr>
<tr>
<td>Provenance.PreparedSIP</td>
<td>All of the files (within their preservation structure), containing the Content Information and the Associated Information that have been prepared by the Archive for submission to another Archive or Collection (stored in system if dbms is part of the repository).</td>
<td></td>
</tr>
<tr>
<td>Provenance.PermRecordIndicator</td>
<td>Indicator that the record is a Permanent Record: N, Y.</td>
<td>C2.T1.6. Permanent Record Indicator</td>
</tr>
<tr>
<td>Provenance.RecordCondition</td>
<td>Condition of record.</td>
<td></td>
</tr>
<tr>
<td>Provenance.Description</td>
<td>Description of the intellectual content of the object.</td>
<td></td>
</tr>
<tr>
<td>Provenance.Methodology</td>
<td>Instruments and techniques used to create the data.</td>
<td></td>
</tr>
<tr>
<td>Provenance.Variable</td>
<td>Variables, layouts, and codes used to describe the data.</td>
<td></td>
</tr>
<tr>
<td>Provenance.SpatialCoverageDesc</td>
<td>Political or geographical description of spatial coverage.</td>
<td></td>
</tr>
<tr>
<td>Provenance.SpatialCoverageNote</td>
<td>Latitude and longitude covered, if available.</td>
<td></td>
</tr>
<tr>
<td>Provenance.SpatialResolution</td>
<td>Spatial Resolution.</td>
<td></td>
</tr>
<tr>
<td>Provenance.SpatialResolutionNote</td>
<td>Notes on the spatial resolution of the object.</td>
<td></td>
</tr>
<tr>
<td>Provenance.SRS</td>
<td>Spatial Reference System used for spatial resolution.</td>
<td></td>
</tr>
<tr>
<td>Provenance.BBoxMinX</td>
<td>Minimum X Coordinate (Longitude) for the Bounding Box.</td>
<td></td>
</tr>
<tr>
<td>Provenance.BBoxMinY</td>
<td>Minimum Y Coordinate (Latitude) for the Bounding Box.</td>
<td></td>
</tr>
<tr>
<td>Provenance.BBoxMaxX</td>
<td>Maximum X Coordinate</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.BBoxMaxY</strong></td>
<td>Maximum Y Coordinate (Latitude) for the Bounding Box.</td>
<td></td>
</tr>
<tr>
<td>--------------------------</td>
<td>-------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.SpatialCoverage</strong></td>
<td>If database supports native spatial data types, this field should be used to store actual shape of spatial coverage.</td>
<td></td>
</tr>
<tr>
<td><strong>Retention.RetentionID</strong></td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td><strong>Retention.ProvenanceID</strong></td>
<td>Foreign Key, Provenance Table, if retention relates to provenance.</td>
<td></td>
</tr>
<tr>
<td><strong>Retention.SeriesID</strong></td>
<td>Foreign Key, Series Table, if retention relates to series.</td>
<td></td>
</tr>
<tr>
<td><strong>Retention.Instruction</strong></td>
<td>Instructions for retention or disposition of record or series: Review every Five Years, Retain Indefinitely, Freeze, Transfer to LTA, Retire, Destroy.</td>
<td></td>
</tr>
<tr>
<td><strong>Retention.InstructionReason</strong></td>
<td>Justification for retention instructions on record or series.</td>
<td></td>
</tr>
<tr>
<td><strong>Retention.InstrctnDate</strong></td>
<td>Date instructions were decided for record or series.</td>
<td></td>
</tr>
<tr>
<td><strong>Retention.InstrctnActDate</strong></td>
<td>Date instructions are to be executed for record or series.</td>
<td></td>
</tr>
<tr>
<td><strong>Retention.ScheduleDate</strong></td>
<td>Date record or series will be reviewed.</td>
<td></td>
</tr>
<tr>
<td><strong>Retention.Authority</strong></td>
<td>Name of individual or group deciding on instructions for record or series: SEDAC UWG, LTA Board.</td>
<td></td>
</tr>
<tr>
<td><strong>TemporalData.TemporalDataID</strong></td>
<td>Database generated, Primary Key</td>
<td></td>
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<tr>
<td><strong>TemporalData.ProvenanceID</strong></td>
<td>Foreign Key, Provenance Table</td>
<td></td>
</tr>
<tr>
<td><strong>TemporalData.TCovPrecision</strong></td>
<td>Precision of data used to describe temporal coverage: Year, Month, Day.</td>
<td></td>
</tr>
<tr>
<td><strong>TemporalData.TCovStart</strong></td>
<td>Start date for data collection.</td>
<td></td>
</tr>
<tr>
<td><strong>TemporalData.TCovEnd</strong></td>
<td>End date for data collection.</td>
<td></td>
</tr>
<tr>
<td><strong>TemporalData.TCovProjectionTo</strong></td>
<td>Date of temporal coverage projection to a future date.</td>
<td></td>
</tr>
<tr>
<td><strong>TemporalData.TresDescription</strong></td>
<td>Description of temporal resolution, time intervals</td>
<td></td>
</tr>
</tbody>
</table>
between successive observations, frequency of granule production.

<table>
<thead>
<tr>
<th>Column Name</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Relationship.FromProvenanceID</td>
<td>Foreign Key, Provenance Table, part of Primary Key</td>
</tr>
<tr>
<td>Relationship.ToProvenanceID</td>
<td>Foreign Key, Provenance Table, part of Primary Key</td>
</tr>
<tr>
<td>Relationship.RelationStartDate</td>
<td>Date relationship began.</td>
</tr>
<tr>
<td>Relationship.RelationEndDate</td>
<td>Date relationship ended.</td>
</tr>
<tr>
<td>Relationship.Note</td>
<td>Note about the relationship.</td>
</tr>
<tr>
<td>Identification.IdentificationID</td>
<td>Database generated, Primary Key</td>
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<tr>
<td>Identification.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>Identification.IdentifierType</td>
<td>Type of identifier for which the object has been assigned a unique ID: Global Identifier, TDB ID, UMDB Rec #, DOI, ISBN.</td>
</tr>
<tr>
<td>Identification.IdentifierAssigned</td>
<td>Unique Identifier assigned to an object for an identifier type.</td>
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<tr>
<td>ProvReference.ProvReferenceID</td>
<td>Database generated, Primary Key</td>
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<tr>
<td>ProvReference.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>ProvReference.RefAuthor</td>
<td>Names of authors of reference work.</td>
</tr>
<tr>
<td>ProvReference.RefAuthorRole</td>
<td>Role of authors of reference work (Eds.)</td>
</tr>
<tr>
<td>ProvReference.RefTitle</td>
<td>Title of reference work.</td>
</tr>
<tr>
<td>ProvReference.MonographAuthor</td>
<td>Author names of monograph containing reference work.</td>
</tr>
<tr>
<td>ProvReference.MonographAuthRole</td>
<td>Role of authors of monograph containing reference work (Eds.)</td>
</tr>
<tr>
<td>ProvReference.MonographTitle</td>
<td>Title of monograph containing reference work.</td>
</tr>
<tr>
<td>ProvReference.JournalTitle</td>
<td>Title of journal containing reference work.</td>
</tr>
<tr>
<td>ProvReference.TranslatedTitle</td>
<td>English translation of title if in another language.</td>
</tr>
<tr>
<td>ProvReference.SubsidiaryAuthor</td>
<td>Names of subsidiary authors if author is an institution.</td>
</tr>
<tr>
<td>ProvReference.PublicationPlace</td>
<td>Location where reference work is published.</td>
</tr>
<tr>
<td>ProvReference.Publisher</td>
<td>Name of reference work</td>
</tr>
<tr>
<td>Property</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>ProvReference.PublicationDate</td>
<td>Date reference work was published.</td>
</tr>
<tr>
<td>ProvReference.PublicationYear</td>
<td>Year when reference work was published.</td>
</tr>
<tr>
<td>ProvReference.CopyrightDate</td>
<td>Date of copyright for reference work.</td>
</tr>
<tr>
<td>ProvReference.IssueID</td>
<td>Issue identifier of reference work.</td>
</tr>
<tr>
<td>ProvReference.WorkExtent</td>
<td>Total number of pages of reference work.</td>
</tr>
<tr>
<td>ProvReference.PackagingMethod</td>
<td>Public accessibility of reference work.</td>
</tr>
<tr>
<td>ProvReference.SeriesEditor</td>
<td>Editor of series containing reference work.</td>
</tr>
<tr>
<td>ProvReference.SeriesEditorRole</td>
<td>Role of Editor for series containing reference work.</td>
</tr>
<tr>
<td>ProvReference.SeriesTitle</td>
<td>Title of series containing reference work.</td>
</tr>
<tr>
<td>ProvReference.DocumentType</td>
<td>Type of reference work. Ex: Journal, Book, Proceedings</td>
</tr>
<tr>
<td>ProvReference.URL</td>
<td>URL of text or full reference of reference work.</td>
</tr>
<tr>
<td>ProvReference.Availability</td>
<td>File path or file cabinet if stored, or blank if not available.</td>
</tr>
<tr>
<td>ProvReference.Note</td>
<td>Note about reference work.</td>
</tr>
<tr>
<td>ProvReference.RefAbstract</td>
<td>Abstract of reference work.</td>
</tr>
<tr>
<td>ProvReference.CallNumber</td>
<td>Identifier in classification system (LOC, Dewey, or other).</td>
</tr>
<tr>
<td>ProvReference.ReferenceType</td>
<td>Use of object by reference work. Ex: Report,</td>
</tr>
<tr>
<td>ProvReference.RefCitation</td>
<td>Complete bibliographic reference for reference work.</td>
</tr>
<tr>
<td>ProvReference.RefCitSource</td>
<td>Citation database or service listing reference and date found.</td>
</tr>
<tr>
<td>ProvReference.RefUseRight</td>
<td>Right or permission to use reference work, citation, or abstract.</td>
</tr>
<tr>
<td>ProvReference.RefAccessRight</td>
<td>Right/permission to access or link reference work, citation or abstract.</td>
</tr>
<tr>
<td>ProvReference.DisplayOrder</td>
<td>Order in which reference work will appear in reference list.</td>
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<tr>
<td>Property.PropertyID</td>
<td>Database generated, Primary Key</td>
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<tr>
<td>Property.PropertyParentID</td>
<td>Foreign Key, Property Table</td>
</tr>
<tr>
<td>--------------------------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td>Property.PropertyName</td>
<td>Name of the property describing an object: Ingest Status, Ingest Format Processing, Significant Property, DCMI Type, Document Type, Content Type, Subject, Language. For Ingest Status: Under Development by Creator, Being Prepared for Submission, Received by Archivist, Content Review Pending, Content Under Review by Archivist, Content Review Complete, Description Pending, Description Under Review, Description Complete, DOI Assigned, Quality Review Pending, Quality Review Complete, Failed Content Quality Review. Rejected - Data Returned to Creator, Ingested, Destroyed; For Ingest Format Processing: All files Ingested in Supported Formats, Original Non-Supported Formats Only, Original formats and All Files Migrated to Supported Formats; For Significant Properties: Intellectual Content of Text, intellectual content of image; For DCMI Type: Collection, Dataset, Event, Image, Interactive Resource, Moving Image, Physical Object, Service, Software, Sound, Still Image; For Document Type (ISO 19115 Document Type): PresentationFormCode: documentDigital, documentHardcopy, imageDigital, imageHardcopy, mapDigital, mapHardcopy, modelDigital, modelHardcopy, profileDigital, profileHardcopy, tableDigital, tableHardcopy, videoDigital, videoHardcopy; Content Type: Data, Documentation, Permission; Subject thesaurus or controlled vocabulary; Language:</td>
</tr>
<tr>
<td>Property.PropertyDesc</td>
<td>Description of a property.</td>
</tr>
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<td>Provenance.Property.ProvenancePropertyID</td>
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<td>Foreign Key, Provenance Table</td>
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<tr>
<td>Provenance.Property.PropertyID</td>
<td>Foreign Key, Property Table</td>
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<tr>
<td>Provenance.Property.PPStartDate</td>
<td>Date when property began</td>
</tr>
<tr>
<td>Provenance.Property.PPEndDate</td>
<td>Date when property ended.</td>
</tr>
<tr>
<td>Provenance.Property.Note</td>
<td>Note about property as it pertains to a particular provenance.</td>
</tr>
<tr>
<td>ProvenanceNote.ProvenanceNoteID</td>
<td>Database generated, Primary Key</td>
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<tr>
<td>ProvenanceNote.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>ProvenanceNote.NoteText</td>
<td>Note about the provenance of an object.</td>
</tr>
<tr>
<td>ProvenanceNote.PostedBy</td>
<td>Person who posted the note about the provenance of an object.</td>
</tr>
<tr>
<td>ProvenanceNote.PostedOn</td>
<td>Date the note was posted.</td>
</tr>
<tr>
<td>ProvenanceNote.NoteType</td>
<td>Type of provenance note: Accession, Maintenance, Disposition.</td>
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<tr>
<td>OtherTitle.OtherTitleID</td>
<td>Database generated, Primary Key</td>
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<tr>
<td>OtherTitle.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
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<tr>
<td>OtherTitle.TitleType</td>
<td>Alternate Title, Former Title</td>
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<tr>
<td>OtherTitle.Title</td>
<td>Other title of an object.</td>
</tr>
<tr>
<td>OtherTitle.Note</td>
<td>Note about the other title of an object.</td>
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<td>Person.PersonID</td>
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<tr>
<td>Person.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>Person.PersonOrder</td>
<td>Order in which person will appear in a Person Role</td>
</tr>
<tr>
<td>Person.FirstName</td>
<td>First name of person.</td>
</tr>
<tr>
<td>-----------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>Person.LastName</td>
<td>Last name of person.</td>
</tr>
<tr>
<td>Person.Address1</td>
<td>Line 1 of person address.</td>
</tr>
<tr>
<td>Person.Address2</td>
<td>Line 2 of person address.</td>
</tr>
<tr>
<td>Person.City</td>
<td>City of person.</td>
</tr>
<tr>
<td>Person.State</td>
<td>State of person.</td>
</tr>
<tr>
<td>Person.Zip</td>
<td>Postal code address for person.</td>
</tr>
<tr>
<td>Person.Phone</td>
<td>Telephone number for person.</td>
</tr>
<tr>
<td>Person.Fax</td>
<td>Fax number for person.</td>
</tr>
<tr>
<td>Person.Email1</td>
<td>Primary e-mail address for person.</td>
</tr>
<tr>
<td>Person.Email2</td>
<td>Second e-mail address for person.</td>
</tr>
<tr>
<td>Person.Note</td>
<td>Note about person.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
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<tr>
<td>Institution.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>Institution.InstitutionRole</td>
<td>Role of institution for object. Originating Organization, Program Support.</td>
</tr>
<tr>
<td>Institution.InstitutionOrder</td>
<td>Order in which the institution will appear on an institution role list if higher priority has been assigned.</td>
</tr>
<tr>
<td>Institution.InstitutionName</td>
<td>Name of institution.</td>
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<tr>
<td>Institution.Address1</td>
<td>Line 1 of institution address.</td>
</tr>
<tr>
<td>Institution.Address2</td>
<td>Line 2 of institution address.</td>
</tr>
<tr>
<td>Institution.City</td>
<td>City of institution.</td>
</tr>
<tr>
<td>Institution.State</td>
<td>State of institution.</td>
</tr>
<tr>
<td>Institution.Zip</td>
<td>Postal code for institution address.</td>
</tr>
<tr>
<td>Institution.Phone</td>
<td>Telephone number for institution.</td>
</tr>
<tr>
<td>Institution.Fax</td>
<td>Fax number for institution.</td>
</tr>
<tr>
<td>Institution.Website</td>
<td>Website URL for institution.</td>
</tr>
<tr>
<td>Institution.Note</td>
<td>Note about institution.</td>
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</table>

<table>
<thead>
<tr>
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<td>Document.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
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<tr>
<td>Document.Title</td>
<td>Title of document describing the object.</td>
</tr>
<tr>
<td>Document.ArchivalID</td>
<td>Identifier of the document if recorded as a provenance.</td>
</tr>
<tr>
<td><strong>Document.AccessPoint</strong></td>
<td>URL of access point that disseminates document (http://…; ftp://…).</td>
</tr>
<tr>
<td>-------------------------</td>
<td>---------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Document.FileName</strong></td>
<td>Filename of the document.</td>
</tr>
<tr>
<td><strong>Document.Language</strong></td>
<td>Language in which the document is written: English, Spanish.</td>
</tr>
<tr>
<td><strong>Document.AdditionalInfo</strong></td>
<td>Additional information about the document.</td>
</tr>
<tr>
<td><strong>Distributor.DistributorID</strong></td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td><strong>Distributor.DistributorName</strong></td>
<td>Name of the service that distributes a dissemination of an object: CIESIN, Columbia Earth Institute, SEDAC, SEDAC LTA.</td>
</tr>
<tr>
<td><strong>Distributor.Address1</strong></td>
<td>Line 1 of distributor address.</td>
</tr>
<tr>
<td><strong>Distributor.Address2</strong></td>
<td>Line 2 of distributor address.</td>
</tr>
<tr>
<td><strong>Distributor.City</strong></td>
<td>City of distributor.</td>
</tr>
<tr>
<td><strong>Distributor.State</strong></td>
<td>State of distributor.</td>
</tr>
<tr>
<td><strong>Distributor.PostalCode</strong></td>
<td>Postal Code of distributor.</td>
</tr>
<tr>
<td><strong>Distributor.Country</strong></td>
<td>Country of distributor.</td>
</tr>
<tr>
<td><strong>Distributor.TelePhone</strong></td>
<td>Telephone number of distributor.</td>
</tr>
<tr>
<td><strong>Distributor.Fax</strong></td>
<td>Fax number of distributor.</td>
</tr>
<tr>
<td><strong>Distributor.URL</strong></td>
<td>URL of distributor.</td>
</tr>
<tr>
<td><strong>Distributor.Email</strong></td>
<td>Email address of distributor.</td>
</tr>
<tr>
<td><strong>Distributor.Website</strong></td>
<td>Website of distributor.</td>
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<td><strong>Dissemination.DisseminationID</strong></td>
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<td><strong>Dissemination.DistributorID</strong></td>
<td>Foreign Key, Distributor Table</td>
</tr>
<tr>
<td><strong>Dissemination.Medium</strong></td>
<td>Primary data storage medium for distributing object from dissemination service: CD-ROM, DVD, URN, URL, FTP.</td>
</tr>
<tr>
<td><strong>Dissemination.PublicAccessPoint</strong></td>
<td>Primary Access Point for distributing object to the public from dissemination service (http://…; ftp://…).</td>
</tr>
<tr>
<td><strong>Dissemination.InternalLocation</strong></td>
<td>Path and folder name of location from which object is distributed from internal dissemination service.</td>
</tr>
<tr>
<td><strong>Dissemination.DissemSize</strong></td>
<td>Size of object disseminated</td>
</tr>
<tr>
<td>Field Name</td>
<td>Description</td>
</tr>
<tr>
<td>------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Dissemination.StartDate</td>
<td>Date dissemination service began disseminating object.</td>
</tr>
<tr>
<td>Dissemination.EndDate</td>
<td>Date dissemination service discontinued disseminating object.</td>
</tr>
<tr>
<td>Dissemination.DIPDescription</td>
<td>File Inventory of all files included in the Dissemination Information Package (DIP) submitted to dissemination service for distribution.</td>
</tr>
<tr>
<td>Dissemination.DissemCharge</td>
<td>Amount received from dissemination service for distributing object.</td>
</tr>
<tr>
<td>Dissemination.DissemChargeUnit</td>
<td>Monetary unit of DissemCharge.</td>
</tr>
<tr>
<td>Dissemination.OriginalPublisher</td>
<td>Flag indicating that dissemination is by Original Publisher: N, Y.</td>
</tr>
<tr>
<td>Dissemination.PrimaryDistributor</td>
<td>Flag indicating that dissemination is by Primary Distributor: N, Y.</td>
</tr>
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<td>DissemAltPoint.DissemAltPointID</td>
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<tr>
<td>DissemAltPoint.DisseminationID</td>
<td>Foreign Key, Dissemination Table</td>
</tr>
<tr>
<td>DissemAltPoint.AltAccessPoint</td>
<td>Alternate access point disseminating object (http://...; ftp://...).</td>
</tr>
<tr>
<td>DissemAltPoint.StartDate</td>
<td>Date started disseminating object at alternate access point.</td>
</tr>
<tr>
<td>DissemAltPoint.EndDate</td>
<td>Date stopped disseminating object at alternate access point.</td>
</tr>
<tr>
<td>DissemAltPoint.Note</td>
<td>Note on alternate dissemination point.</td>
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<td>ProvDissemination.ProvDisseminationID</td>
<td>Database generated, Primary Key</td>
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<td>ProvDissemination.DisseminationID</td>
<td>Foreign Key, Dissemination Table, part of Alternate Key</td>
</tr>
<tr>
<td>ProvDissemination.ProvenanceID</td>
<td>Foreign Key, Provenance Table, part of Alternate Key</td>
</tr>
<tr>
<td>ProvDissemination.RootPath</td>
<td>Directory path where object is disseminated within group.</td>
</tr>
<tr>
<td>ProvDissemination.StartDate</td>
<td>Date object began being disseminated within group.</td>
</tr>
<tr>
<td>ProvDissemination.EndDate</td>
<td>Date object no longer disseminated within group.</td>
</tr>
<tr>
<td>ProvDissemination.Note</td>
<td>Note on object dissemination within group.</td>
</tr>
<tr>
<td>PDFFileList.PDFFileListID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>PDFFileList.ProvDissemID</td>
<td>Foreign Key, ProvDissemination Table</td>
</tr>
<tr>
<td>PDFFileList.FileName</td>
<td>Name of the file listing files</td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>PDFFileList.StartDate</td>
<td>Date the listed files were included in dissemination.</td>
</tr>
<tr>
<td>PDFFileList.EndDate</td>
<td>Date the listed files were no longer in dissemination.</td>
</tr>
<tr>
<td>PDFFileList.Note</td>
<td>Note about the list of files included within dissemination.</td>
</tr>
<tr>
<td>Catalog.CatalogID</td>
<td>Database generated, Primary Key.</td>
</tr>
<tr>
<td>Catalog.CatalogName</td>
<td>Name of the catalog where an object is registered: SEDAC, CIESIN, EDGRS, ESIP, DLESE, NSDL.</td>
</tr>
<tr>
<td>Catalog.URL</td>
<td>URL of the catalog where an object is registered.</td>
</tr>
<tr>
<td>Catalog.ContactInfo</td>
<td>Contact information for a catalog where an object is registered.</td>
</tr>
<tr>
<td>CatalogEntry.CatalogEntryID</td>
<td>Database generated, Primary Key.</td>
</tr>
<tr>
<td>CatalogEntry.DisseminationID</td>
<td>Foreign Key, Dissemination Table.</td>
</tr>
<tr>
<td>CatalogEntry.CatalogID</td>
<td>Foreign Key, Catalog Table.</td>
</tr>
<tr>
<td>CatalogEntry.EntryID</td>
<td>Unique Identifier in the catalog for the record describing the object.</td>
</tr>
<tr>
<td>CatalogEntry.Submission</td>
<td>Date description of entry was submitted to a catalog.</td>
</tr>
<tr>
<td>CatalogEntry.StartDate</td>
<td>Date catalog entry was available.</td>
</tr>
<tr>
<td>CatalogEntry.EndDate</td>
<td>Date catalog entry was no longer available.</td>
</tr>
<tr>
<td>CatalogEntry.EntryStatus</td>
<td>Status of catalog entry: None, Partial, Complete, Removed.</td>
</tr>
<tr>
<td>CatalogEntry.EntryDesc</td>
<td>Description of the dissemination included in the fields of the entry.</td>
</tr>
<tr>
<td>CatalogEntry.EntryLastUpdate</td>
<td>Date of the last update to the catalog entry for the object.</td>
</tr>
<tr>
<td>CatalogEntry.Note</td>
<td>Note about the catalog entry for an object.</td>
</tr>
<tr>
<td>Location.LocationID</td>
<td>Database generated, Primary Key.</td>
</tr>
<tr>
<td>Location.LocType</td>
<td>Type of location. Onsite Offline Archive, Offsite Offline Archive, Onsite Processing, Onsite Network, Onsite Storage Shelves.</td>
</tr>
<tr>
<td>Location.LocName</td>
<td>Name of the Location. CIESIN Archival Facility, GISS Computer Room, Geoscience Computer Room, Geoscience Storage</td>
</tr>
<tr>
<td>Location.LocDesc</td>
<td>Description of the archival facilities at the location.</td>
</tr>
<tr>
<td>------------------</td>
<td>----------------------------------------------------------</td>
</tr>
<tr>
<td>Location.LocAGENT</td>
<td>Name of the individual responsible for the location.</td>
</tr>
<tr>
<td>LocationParam.LocationParamID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>LocationParam.LocationID</td>
<td>Foreign Key, Location Table</td>
</tr>
<tr>
<td>LocationParam.ParamName</td>
<td>Name of the parameter measured at the location: Temperature, High Temperature, Low Temperature, Humidity, High Humidity, Low Humidity, Inventory, Recovery Test.</td>
</tr>
<tr>
<td>LocationParam.ParamValue</td>
<td>Value of the parameter measured at the location.</td>
</tr>
<tr>
<td>LocationParam.ParamUnit</td>
<td>Unit of measurement for recorded value measured at location: Degrees Fahrenheit, Percentage.</td>
</tr>
<tr>
<td>LocationParam.ParamDate</td>
<td>Date and time of measurement.</td>
</tr>
<tr>
<td>LocationParam.ParamNote</td>
<td>Note on instrument or parameter measured.</td>
</tr>
<tr>
<td>Media.MediaID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Media.MediaBrand</td>
<td>Brand of the media: TDK 700 MB 48x Data CD-R.</td>
</tr>
<tr>
<td>Media.MediaPurchaseDate</td>
<td>Date the media was purchased.</td>
</tr>
<tr>
<td>Media.Note</td>
<td>Note about the media.</td>
</tr>
<tr>
<td>Media_Location.LocationID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Media_Location.MediaID</td>
<td>Foreign Key, Media Table</td>
</tr>
<tr>
<td>Media_Location.DepositedOn</td>
<td>Date the archival media was deposited at the location.</td>
</tr>
<tr>
<td>Media_Location.RemovedOn</td>
<td>Date the archival media was removed from the location.</td>
</tr>
<tr>
<td>Media_Location.Note</td>
<td>Note about the archival media housed at a location.</td>
</tr>
<tr>
<td>Event.EventID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Event.MediaID</td>
<td>Foreign Key, Media Table</td>
</tr>
<tr>
<td>Event.Designation</td>
<td>Name of the event: Deposit, Inventory, Audit, Inspection, Virus Check, Media Write,</td>
</tr>
<tr>
<td><strong>Event.Procedure</strong></td>
<td>Procedure completed on media during an event.</td>
</tr>
<tr>
<td>----------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td><strong>Event.Location</strong></td>
<td>Location where the event occurred.</td>
</tr>
<tr>
<td><strong>Event.EventDate</strong></td>
<td>Date and time of event.</td>
</tr>
<tr>
<td><strong>Event.Outcome</strong></td>
<td>Description of the event outcome.</td>
</tr>
<tr>
<td><strong>Event.Note</strong></td>
<td>Note about the event.</td>
</tr>
<tr>
<td><strong>Event.ResponsiblePerson</strong></td>
<td>Individual responsible for the event.</td>
</tr>
<tr>
<td><strong>Event.RetrievalRecipient</strong></td>
<td>Individual who received the media.</td>
</tr>
<tr>
<td><strong>Event.RetrievalRequestor</strong></td>
<td>Individual who requested the media.</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.ProvenanceMediaID</strong></td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.ProvenanceID</strong></td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.MediaID</strong></td>
<td>Foreign Key, Media Table</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.RootPath</strong></td>
<td>Path and directory of the object on the media.</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.WriteDate</strong></td>
<td>Date the object was written on the media.</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.DeleteDate</strong></td>
<td>Date the object was deleted from the media.</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.ValidationProc</strong></td>
<td>Signature type used to generate validation key: MD5, SHA-1.</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.KeyCreationDate</strong></td>
<td>Date validation key was generated.</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.Result</strong></td>
<td>Hash value, filename, or path and filename of stored validation signature.</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.LastCheckDate</strong></td>
<td>Date validation key generated and compared with original.</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.NextCheckDate</strong></td>
<td>Date scheduled for validation key comparison.</td>
</tr>
<tr>
<td><strong>DataFile.DataFileID</strong></td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td><strong>DataFile.ProvenanceMediaID</strong></td>
<td>Foreign Key, ProvenanceMedia Table</td>
</tr>
<tr>
<td><strong>DataFile.FileName</strong></td>
<td>Name of the file including its extension.</td>
</tr>
<tr>
<td><strong>DataFile.FileSize</strong></td>
<td>Size of the file in bytes.</td>
</tr>
<tr>
<td><strong>DataFile.ContentType</strong></td>
<td>Type of content in the file: Data, Documentation, Permission, Startup.</td>
</tr>
<tr>
<td><strong>DataFile.MarkupType</strong></td>
<td>Type of markup used to</td>
</tr>
<tr>
<td>DataFile.MarkupName</td>
<td>Name of schema and version employed for the MarkupType: TEI DTD, W3C XML.</td>
</tr>
<tr>
<td>----------------------</td>
<td>--------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>DataFile.MarkupSchema</td>
<td>Contents of schema used for the Markup Type.</td>
</tr>
<tr>
<td>DataFile.FileAccessRight</td>
<td>Access rights or limitations specific to file: Universal Access -unrestricted, Research Use Only, Educational Use Only, Research and Educational Use Only, Non-Commercial Use Only, On-Site Use Only, Signed Confidentiality Agreement Only, Staff Only, Staff Addresses Only, Licensees Only, Domestic IP Addresses Only, No Online Access, No Access Allowed, Pending Further Evaluation.</td>
</tr>
<tr>
<td>DataFile.ExpoAccessRight</td>
<td>Date access rights or restrictions specific to file expire.</td>
</tr>
<tr>
<td>DataFile.PreservRestrictn</td>
<td>Preservation rights or limitations for preserving file.</td>
</tr>
<tr>
<td>DataFile.EncryptionInfo</td>
<td>Description of encryption employed on file.</td>
</tr>
<tr>
<td>DataFile.AccessInhibitors</td>
<td>Inhibitors to access inherent to the file: Password protection, AAA watermark.</td>
</tr>
<tr>
<td>DataFile.FileType</td>
<td>MIME Media Type for file in format Content Type/Subtype: application/pdf, audio/mpeg, image/tiff, message/http, model/vrml, multipart/signed, text/html, video/mpeg.</td>
</tr>
<tr>
<td>DataFileFileVersion</td>
<td>Version of the MIME Media Type.</td>
</tr>
<tr>
<td>DataFile.FormatRegistry</td>
<td>Registry to identify the software program used to create or view the file: Pronom.</td>
</tr>
<tr>
<td>DataFile.RegistryEntry</td>
<td>Entry in the Format Registry for the file format.</td>
</tr>
<tr>
<td>DataFile.DateModified</td>
<td>Last date and time when file was written or modified.</td>
</tr>
<tr>
<td>DataFile.PreservFormat</td>
<td>File format is a preservation format: Y, N.</td>
</tr>
<tr>
<td>DataFile.AltFormat</td>
<td>Alternate or derivative formats that contain</td>
</tr>
<tr>
<td>Table Name</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------</td>
<td>--------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>DataFile.OriginalFileID</td>
<td>Foreign key to DataFile.DataFileID. DataFileID for original file from which the file is a derivative.</td>
</tr>
<tr>
<td>DataFile.OriginalFileName</td>
<td>Filename (and extension) for the original source file from which the file described is a derivative.</td>
</tr>
<tr>
<td>DataFile.Creation</td>
<td>Description of the file creation, coded to record file history: Original file received, Migrated file, Archive generated file.</td>
</tr>
<tr>
<td>DataFile.RefreshDate</td>
<td>Last date and time file was written to any media.</td>
</tr>
<tr>
<td>DataFile.AccessStartDate</td>
<td>Date when access to file may be granted.</td>
</tr>
<tr>
<td>DataFile.AccessEndDate</td>
<td>Date when access to file ends.</td>
</tr>
<tr>
<td>DataFile.DeaccessionDate</td>
<td>Date when file was deaccessioned from archive.</td>
</tr>
<tr>
<td>FilePart.FilePartID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>FilePart.DataFileID</td>
<td>Foreign Key, DataFile Table</td>
</tr>
<tr>
<td>FilePart.FilePartType</td>
<td>Type of FilePart: Table, Screenshot, Thumbnail Image, Page Image, Annotation, Mask, Metadata Text.</td>
</tr>
<tr>
<td>FilePart.FilePartLoc</td>
<td>Location or address of FilePart within the file: Unknown.</td>
</tr>
<tr>
<td>FilePart.FilePartDesc</td>
<td>Description of FilePart differentiated from file.</td>
</tr>
<tr>
<td>Environment.EnvironmentID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Environment.DataFileID</td>
<td>Foreign Key, DataFile Table</td>
</tr>
<tr>
<td>Environment.EnvironmentType</td>
<td>Type of environment required for data file: Rendering Software, Display Application, Operating System, Middleware, Hardware CPU, Hardware Peripherals.</td>
</tr>
<tr>
<td>Environment.Title</td>
<td>Title of environment software or hardware required.</td>
</tr>
<tr>
<td><strong>Environment.Description</strong></td>
<td>Description of implementation environment for data file.</td>
</tr>
<tr>
<td><strong>Environment.Documentation</strong></td>
<td>Documentation for the implementation environment.</td>
</tr>
<tr>
<td><strong>Environment.ExpiryDate</strong></td>
<td>Date environment is scheduled to expire or be replaced.</td>
</tr>
<tr>
<td><strong>AccessRestriction.AccessRestrictionID</strong></td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td><strong>AccessRestriction.ProvenanceID</strong></td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td><strong>AccessRestriction.AccessRestriction</strong></td>
<td>Security category or type of restriction: Onsite Use Only - Confidential Data - No Copying, Permission from Project Director Required, Confidentiality Agreement Required - No Copying or Network Access, Project Director only, Universal Access (unrestricted), Research Use Only, Educational Use Only, Research and Educational Use Only, Non-Commercial Use Only, On-Site Use Only, Signed Confidentiality Agreement Only, CU Personnel Only, CU Addresses Only, Domestic IP Addresses Only, No Online Access.</td>
</tr>
<tr>
<td><strong>AccessRestriction.AccessRestrictionDesc</strong></td>
<td>Description of restriction on access to object.</td>
</tr>
<tr>
<td><strong>AccessRestriction.CurrentDeclaration</strong></td>
<td>Confidentiality agreement or user agreement on restriction.</td>
</tr>
<tr>
<td><strong>AccessRestriction.SecurityNote</strong></td>
<td>Note about the security restriction on object.</td>
</tr>
<tr>
<td><strong>AccessRestriction.SecurityReviewDate</strong></td>
<td>Date security restriction is scheduled for review.</td>
</tr>
<tr>
<td><strong>AccessRestriction.ARStartDate</strong></td>
<td>Date access restriction on object begins.</td>
</tr>
<tr>
<td><strong>AccessRestriction.AREndDate</strong></td>
<td>Date access restriction on object ends.</td>
</tr>
<tr>
<td><strong>Decision.DecisionID</strong></td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td><strong>Decision.DecisionType</strong></td>
<td>Type of Decision: Acquisition, Nomination for Dissemination, Nomination for Deaccession, Nomination for Transfer, Nomination for Accession, Dissemination, Disposition, Transfer, Provisional Use, Beta System Dissemination; Production</td>
</tr>
</tbody>
</table>

"C2.T3.2 Supplemental Marking List"
<table>
<thead>
<tr>
<th>Table</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decision.Decision</td>
<td>Decision about an object for a Decision Type. For Preservation Service: Preserve content, Preserve Original Formats; For SEDAC: Disseminate, Ancillary Product, Transfer to LTA; For SEDAC Acquisition: redistributed 3rd party data, value-added 3rd party data, SEDAC-developed; For LTA: Public Dissemination, Restricted Dissemination; (Others Considered: Under Review, Disseminate, Delete, Remove) The following 7 categories are not mutually exclusive: Delete; Retire; Long-Term Archive; Archive, But Not Disseminate, SEDAC Disseminate by Type: - Subsets Only, - Web Download - Internet Mapping; Missing; Add to SDP; Consolidate.</td>
</tr>
<tr>
<td>Decision.MeetingDate</td>
<td>Date when the decision was made.</td>
</tr>
<tr>
<td>Decision.DecisionActiveDate</td>
<td>Date on which the decision is implemented.</td>
</tr>
<tr>
<td>Decision.Authority</td>
<td>Authority deciding the status of an object within the archive: CIESIN Director, CIESIN Deputy Director, CIESIN Associate Director for IS, SEDAC UWG, SEDAC Project Manager, SEDAC Lead Project Scientist, SEDAC Archives Manager, SEDAC Archivist, LTA Board, LTA Manager, LTA Archivist.</td>
</tr>
<tr>
<td>Decision.Note</td>
<td>Note of Rationale or Justification for making the decision.</td>
</tr>
<tr>
<td>ProvenanceDecision.ProvenanceDecisionID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>ProvenanceDecision.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>ProvenanceDecision.DecisionID</td>
<td>Foreign Key, Decision Table</td>
</tr>
<tr>
<td>ProvenanceDecision.Note</td>
<td>Note about the decision in reference to a specific provenance.</td>
</tr>
<tr>
<td>RightOwner.RightOwnerID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>RightOwner.Entity</td>
<td>Organization that owns right</td>
</tr>
<tr>
<td>Field Name</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>RightOwner.Signator</td>
<td>Person who signed document authorizing a right for an object.</td>
</tr>
<tr>
<td>RightOwner.SignatorTitle</td>
<td>Title of signer authorizing a right for an object.</td>
</tr>
<tr>
<td>RightOwner.SigContactInfo</td>
<td>Contact information for signer authorizing a right for an object.</td>
</tr>
<tr>
<td>RightOwner.Address1</td>
<td>Line 1 of right owner address.</td>
</tr>
<tr>
<td>RightOwner.Address2</td>
<td>Line 2 of right owner address.</td>
</tr>
<tr>
<td>RightOwner.City</td>
<td>City of right owner.</td>
</tr>
<tr>
<td>RightOwner.State</td>
<td>State of right owner.</td>
</tr>
<tr>
<td>RightOwner.Country</td>
<td>Country of right owner.</td>
</tr>
<tr>
<td>RightOwner.PostalCode</td>
<td>Postal code for right owner.</td>
</tr>
<tr>
<td>RightOwner.Telephone</td>
<td>Telephone number for right owner.</td>
</tr>
<tr>
<td>RightOwner.Fax</td>
<td>Fax number for right owner.</td>
</tr>
<tr>
<td>RightOwner.Email</td>
<td>E-mail for right owner.</td>
</tr>
<tr>
<td>RightOwner.Website</td>
<td>URL of right owner website.</td>
</tr>
<tr>
<td>RightOwner.Note</td>
<td>Note about right owner.</td>
</tr>
<tr>
<td>Right.RightID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Right.RightType</td>
<td>Type of right held: copyright, license, public domain, contract, Permission.</td>
</tr>
<tr>
<td>Right.RightName</td>
<td>Distribution Right, Usage Right, Preservation Right, Access Right, Print Right.</td>
</tr>
<tr>
<td>Right.RightDesc</td>
<td>Description of the right and intellectual property restrictions or obligations.</td>
</tr>
<tr>
<td>Right.Note</td>
<td>Note on rights for object.</td>
</tr>
<tr>
<td>RightHeld.RightHeldID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>RightHeld.RightOwnerID</td>
<td>Foreign Key, RightOwner Table</td>
</tr>
<tr>
<td>RightHeld.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>RightHeld.HeldID</td>
<td>Foreign Key, Right Table</td>
</tr>
<tr>
<td>RightHeld.RightOrigination</td>
<td>Right granted to others or received from owner: Granted, Received.</td>
</tr>
<tr>
<td>RightHeld.CurDeclaration</td>
<td>Content of license, contract, or permission statement.</td>
</tr>
<tr>
<td>RightHeld.RightDocFile</td>
<td>Filename and directory path of the digital (or scanned) document that authorizes rights for an object.</td>
</tr>
<tr>
<td>RightHeld.RightDocLoc</td>
<td>Location of original printed license, contract, or permission document: Onsite Archive, Offsite Archive, Storeroom, Not Printed.</td>
</tr>
<tr>
<td><strong>RightHeld.BeginDate</strong></td>
<td>Date of execution for rights held or date of contract if not specified.</td>
</tr>
<tr>
<td><strong>RightHeld.ExpiryDate</strong></td>
<td>Date of expiration for rights held or null if no expiration date.</td>
</tr>
<tr>
<td><strong>RightHeld.Receiver</strong></td>
<td>Person who signed document (or agreed to conditions) and is authorized to acquire or use object.</td>
</tr>
<tr>
<td><strong>RightHeld.Cost</strong></td>
<td>Cost to acquire object or rights to object.</td>
</tr>
<tr>
<td><strong>RightHeld.CostUnit</strong></td>
<td>Monetary unit for cost to acquire object or rights to object.</td>
</tr>
<tr>
<td><strong>RightHeld.Note</strong></td>
<td>Note on right held for an object.</td>
</tr>
<tr>
<td><strong>RightHeld.RightBrief</strong></td>
<td>Brief description of right held and intended usage group or purpose: Use and distribute freely, Use and distribute only within organization, Distribute for research or educational purposes, Third party distribution, Research use only, Educational use only, Non-commercial use only, Staff use only.</td>
</tr>
<tr>
<td><strong>RightHeld.Request</strong></td>
<td>Request for rights, including the reason to justify authorization.</td>
</tr>
</tbody>
</table>
Crosswalk:
Data Model for Managing and Preserving Geospatial Electronic Records to Dublin Core Metadata Element Set, Version 1.1,
Available Online: http://www.dublincore.org/documents/dces/

<table>
<thead>
<tr>
<th>Field</th>
<th>Definition</th>
<th>Dublin Core Element v. 1.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collection.CollectionID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Collection.Title</td>
<td>Title for a Collection: CIESIN Archive, SEDAC Scientific Data Archives, specific project Archive.</td>
<td></td>
</tr>
<tr>
<td>Collection.Description</td>
<td>Description of the collection and keywords.</td>
<td></td>
</tr>
<tr>
<td>Collection.AccessReqmnt</td>
<td>Requirements for accessing the collection: Object Specific Requirements, CMB Approval, Systems Manager Approval.</td>
<td></td>
</tr>
<tr>
<td>Collection.InstallReqmnt</td>
<td>Requirements for installation of collection</td>
<td></td>
</tr>
<tr>
<td>Collection.SizeReqmnt</td>
<td>Storage volume requirement for collection, automatically calculated.</td>
<td></td>
</tr>
<tr>
<td>Collection.AccessInhibitor</td>
<td>Method(s) employed to inhibit access to collection that could affect preservation, such as encryption or watermarking.</td>
<td></td>
</tr>
<tr>
<td>Collection.FindingAid</td>
<td>Method used to facilitate discovery of collection.</td>
<td></td>
</tr>
<tr>
<td>Collection.PresrvPermission</td>
<td>Statement of permission to copy collection or migrate to various formats for preservation.</td>
<td></td>
</tr>
<tr>
<td>Collection.RelationDesc</td>
<td>Description of relationships, relevant for preservation, between collection and other objects or collections.</td>
<td></td>
</tr>
<tr>
<td>Collection.Quirk</td>
<td>Characteristic that could degrade functionality or aspects of the collection.</td>
<td></td>
</tr>
<tr>
<td>Collection_PURPOSE</td>
<td>Purpose and reason for archiving the collection: Funding Agency Requirement; Scientific Value; Historical value; Fiduciary responsibility.</td>
<td></td>
</tr>
<tr>
<td>Collection.DecisionDate</td>
<td>Date of decision to archive the collection.</td>
<td></td>
</tr>
<tr>
<td>Collection.AccessStartDate</td>
<td>Date access was provided to collection.</td>
<td></td>
</tr>
<tr>
<td>Collection.AccessEndDate</td>
<td>Date when access to collection ended.</td>
<td></td>
</tr>
<tr>
<td>Collection.DeaccessionDate</td>
<td>Date collection is deaccessioned by archive.</td>
<td></td>
</tr>
<tr>
<td>Collection.Note</td>
<td>Notes about collection.</td>
<td></td>
</tr>
<tr>
<td>Series.SeriesID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>-------</td>
<td>-------------</td>
<td></td>
</tr>
<tr>
<td>Series.CollectionID</td>
<td>Foreign Key, Collection Table</td>
<td></td>
</tr>
<tr>
<td>Series.Title</td>
<td>Title of a record series category within a Collection: CIESIN Administrative Records, CIESIN Records Common to All Projects, CIESIN Scientific Data, SEDAC Operations Records, SEDAC Active Archive, SEDAC Long-Term Archive.</td>
<td></td>
</tr>
<tr>
<td>Series.Description</td>
<td>Description of the series.</td>
<td></td>
</tr>
<tr>
<td>Series.VRIndicator</td>
<td>Category of vital records, if applicable, for the series: Non-Vital Records, Emergency - Operating Records, Legal or Financial Rights, Emergency and Rights Records.</td>
<td></td>
</tr>
<tr>
<td>Series.VRReviewDate</td>
<td>Date of next review of vital records in series.</td>
<td></td>
</tr>
<tr>
<td>Series.Activity</td>
<td>Level of use for series, assignment based on SeriesActivity.</td>
<td></td>
</tr>
<tr>
<td>Series.ActivityDate</td>
<td>Date when activity for the series was reviewed and assigned.</td>
<td></td>
</tr>
<tr>
<td>Series.CutoffDate</td>
<td>Date to cutoff records in series.</td>
<td></td>
</tr>
<tr>
<td>Series.AnnualAccum</td>
<td>Estimate of annual accumulation of records in series.</td>
<td></td>
</tr>
<tr>
<td>Series.AccessStartDate</td>
<td>Date when access to series began.</td>
<td></td>
</tr>
<tr>
<td>Series.EndDate</td>
<td>Date when access to series ended.</td>
<td></td>
</tr>
<tr>
<td>Series.DeaccessionDate</td>
<td>Date of deaccession for all records in series.</td>
<td></td>
</tr>
<tr>
<td>Series.Note</td>
<td>Notes about the series.</td>
<td></td>
</tr>
<tr>
<td>SeriesActivity.SeriesActivityID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>SeriesActivity.SeriesID</td>
<td>Foreign Key, Series Table.</td>
<td></td>
</tr>
<tr>
<td>SeriesActivity.PeriodStartDate</td>
<td>Date series activity period began.</td>
<td></td>
</tr>
<tr>
<td>SeriesActivity.PeriodEndDate</td>
<td>Date series activity period ended.</td>
<td></td>
</tr>
<tr>
<td>SeriesActivity.UniqueUserCnt</td>
<td>Number of unique users of</td>
<td></td>
</tr>
<tr>
<td><strong>SeriesActivity.TotalUserCnt</strong></td>
<td>Total number of users of series during period.</td>
<td></td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-----------------------------------------------</td>
<td></td>
</tr>
<tr>
<td><strong>SeriesActivity.Note</strong></td>
<td>Notes about series activity for a given period.</td>
<td></td>
</tr>
<tr>
<td><strong>Aggregate.AggregateID</strong></td>
<td>Database generated, Primary Key.</td>
<td></td>
</tr>
<tr>
<td><strong>Aggregate.SeriesID</strong></td>
<td>Foreign Key, Series Table.</td>
<td></td>
</tr>
<tr>
<td><strong>Aggregate.Title</strong></td>
<td>Title of Aggregate category assignment. For SEDAC Scientific Data Series mission areas: PLUE, ENTRI, EH, MVA, HVA, AFS, ES, EX, IG.</td>
<td></td>
</tr>
<tr>
<td><strong>Aggregate.AccessStartDate</strong></td>
<td>Date access to aggregate began.</td>
<td></td>
</tr>
<tr>
<td><strong>Aggregate.AccessEnDate</strong></td>
<td>Date when access to aggregate ended.</td>
<td></td>
</tr>
<tr>
<td><strong>Aggregate.DeaccessionDate</strong></td>
<td>Date of deaccession for all records in aggregate.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.ProvenanceID</strong></td>
<td>Database generated, Primary Key.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.AggregateID</strong></td>
<td>Foreign Key, Aggregate Table.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.Origin</strong></td>
<td>Description of the creation process of the object.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.Title</strong></td>
<td>Formal Title that identifies or describes the object.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.Version</strong></td>
<td>Identification to differentiate object from other versions.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.PreIngest</strong></td>
<td>Description of pre-ingest processing and custody of object.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.CreationDate</strong></td>
<td>Date object was completed by Author.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.SubmissionDate</strong></td>
<td>Date object was submitted to the archive for ingest.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.Citation</strong></td>
<td>Complete citation for object.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.DesignatedCommunity</strong></td>
<td>Description of designated community of users, potential users, or audience for the object: Human interactions in the environment community, Decision-maker, Learner, Manager, Scientist, Teacher.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.ReqdPreservationService</strong></td>
<td>Level of preservation service or preservation plan requested by submitter or data provider: Preserve Original Formats; Preserve Content in Supported Formats.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.ReqdDisseminatnService</strong></td>
<td>Level of dissemination service or dissemination plan requested by submitter or data provider: Restricted dissemination. Public</td>
<td></td>
</tr>
<tr>
<td>Property</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td></td>
</tr>
<tr>
<td>Provenance.ReasonForCreation</td>
<td>Reason or purpose for creating the described object.</td>
<td></td>
</tr>
<tr>
<td>Provenance.CustodyHistory</td>
<td>Chain of custody of object prior to ingest into archive.</td>
<td></td>
</tr>
<tr>
<td>Provenance.ReasonForPreservation</td>
<td>Justification for selecting object for preservation in archive.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AcquisitionDate</td>
<td>Date original object was acquired by archive.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AcquisitionVolume</td>
<td>Volume of original object acquired by archive.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AcquisitionFileInventory</td>
<td>List of all files in original object acquired by archive.</td>
<td></td>
</tr>
<tr>
<td>Provenance.ReceivedDate</td>
<td>Date object received by the Archivist.</td>
<td></td>
</tr>
<tr>
<td>Provenance.DeaccessionDate</td>
<td>Date the object was deaccessioned from archive.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AIPVolume</td>
<td>Total Size of the Archival Information Package created by the archive to preserve the Content Information and Associated Material.</td>
<td></td>
</tr>
<tr>
<td>Provenance.ContentInformationSize</td>
<td>Size of Content Information of the Archival Information Package in Bytes.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AssociatedMaterialSize</td>
<td>Size of material associated with the Content Information of the AIP in Bytes.</td>
<td></td>
</tr>
<tr>
<td>Provenance.Functionality</td>
<td>Description of any functional characteristics of the object.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AIPFileInventory</td>
<td>List of all filenames and sizes organized by the directory structure.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AIPDataDictionary</td>
<td>List of each filename in object with title of document or description for each file, including alternate formats.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AIP</td>
<td>All the files within their preservation structure, containing Content Information and Associated Information that has been transformed by the Archive for preservation (location in system if dbms is part of the repository).</td>
<td></td>
</tr>
<tr>
<td>Provenance.AIPCreationDate</td>
<td>Date archive created Preservation Master for Archival Information Package.</td>
<td></td>
</tr>
<tr>
<td>Provenance.ReceivedSIP</td>
<td>All of the files (within their original structure) received from the provider in the Submission Information Package (SIP) containing</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance</strong></td>
<td><strong>Description</strong></td>
<td></td>
</tr>
<tr>
<td>----------------</td>
<td>-----------------</td>
<td></td>
</tr>
<tr>
<td>PreparedSIP</td>
<td>All of the files (within their preservation structure), containing the Content Information and the Associated Information that have been prepared by the Archive for submission to another Archive or Collection (stored in system if dbms is part of the repository).</td>
<td></td>
</tr>
<tr>
<td>VitalRecordIndicator</td>
<td>Vital Record status of object: Non-Vital Record, Emergency - Operating Record, Legal or Financial Rights Record, Emergency and Rights Record.</td>
<td></td>
</tr>
<tr>
<td>PermRecordIndicator</td>
<td>Indicator that the record is a Permanent Record: N, Y.</td>
<td></td>
</tr>
<tr>
<td>RecordCondition</td>
<td>Condition of record.</td>
<td></td>
</tr>
<tr>
<td>Description</td>
<td>Description of the intellectual content of the object.</td>
<td></td>
</tr>
<tr>
<td>Methodology</td>
<td>Instruments and techniques used to create the data.</td>
<td></td>
</tr>
<tr>
<td>Variable</td>
<td>Variables, layouts, and codes used to describe the data.</td>
<td></td>
</tr>
<tr>
<td>SpatialCoverageDesc</td>
<td>Political or geographical description of spatial coverage.</td>
<td></td>
</tr>
<tr>
<td>SpatialCoverageNote</td>
<td>Latitude and longitude covered, if available.</td>
<td></td>
</tr>
<tr>
<td>SpatialResolution</td>
<td>Spatial Resolution.</td>
<td></td>
</tr>
<tr>
<td>SpatialResolutionNote</td>
<td>Notes on the spatial resolution of the object.</td>
<td></td>
</tr>
<tr>
<td>SRS</td>
<td>Spatial Reference System used for spatial resolution.</td>
<td></td>
</tr>
<tr>
<td>BBoxMinX</td>
<td>Minimum X Coordinate (Longitude) for the Bounding Box.</td>
<td></td>
</tr>
<tr>
<td>BBoxMinY</td>
<td>Minimum Y Coordinate (Latitude) for the Bounding Box.</td>
<td></td>
</tr>
<tr>
<td>BBoxMaxX</td>
<td>Maximum X Coordinate (Longitude) for the Bounding Box.</td>
<td></td>
</tr>
<tr>
<td>BBoxMaxY</td>
<td>Maximum YCoordinate (Latitude) for the Bounding Box.</td>
<td></td>
</tr>
<tr>
<td>SpatialCoverage</td>
<td>If database supports native spatial data types, this field should be used to store actual shape of spatial coverage.</td>
<td></td>
</tr>
<tr>
<td>Retention.RetentionID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>-----------------------</td>
<td>---------------------------------</td>
<td></td>
</tr>
<tr>
<td>Retention.ProvenanceID</td>
<td>Foreign Key, Provenance Table, if retention relates to provenance.</td>
<td></td>
</tr>
<tr>
<td>Retention.SeriesID</td>
<td>Foreign Key, Series Table, if retention relates to series.</td>
<td></td>
</tr>
<tr>
<td>Retention.Instruction</td>
<td>Instructions for retention or disposition of record or series: Review every Five Years, Retain Indefinitely, Freeze, Transfer to LTA, Retire, Destroy.</td>
<td></td>
</tr>
<tr>
<td>Retention.InstructionReason</td>
<td>Justification for retention instructions on record or series.</td>
<td></td>
</tr>
<tr>
<td>Retention.InstructnDate</td>
<td>Date instructions were decided for record or series.</td>
<td></td>
</tr>
<tr>
<td>Retention.InstructnActDate</td>
<td>Date instructions are to be executed for record or series.</td>
<td></td>
</tr>
<tr>
<td>Retention.ScheduleDate</td>
<td>Date record or series will be reviewed.</td>
<td></td>
</tr>
<tr>
<td>Retention.Authority</td>
<td>Name of individual or group deciding on instructions for record or series: SEDAC UWG, LTA Board.</td>
<td></td>
</tr>
<tr>
<td>TemporalData.TemporalDataID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>TemporalData.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
<td></td>
</tr>
<tr>
<td>TemporalData.TCovPrecision</td>
<td>Precision of data used to describe temporal coverage: Year, Month, Day.</td>
<td></td>
</tr>
<tr>
<td>TemporalData.TCovStart</td>
<td>Start date for data collection.</td>
<td></td>
</tr>
<tr>
<td>TemporalData.TCovEnd</td>
<td>End date for data collection.</td>
<td></td>
</tr>
<tr>
<td>TemporalData.TCovProjectionTo</td>
<td>Date of temporal coverage projection to a future date.</td>
<td></td>
</tr>
<tr>
<td>TemporalData.TresDescription</td>
<td>Description of temporal resolution, time intervals between successive observations, frequency of granule production.</td>
<td></td>
</tr>
<tr>
<td>Relationship.FromProvenanceID</td>
<td>Foreign Key, Provenance Table, part of Primary Key</td>
<td></td>
</tr>
<tr>
<td>Relationship.ToProvenanceID</td>
<td>Foreign Key, Provenance Table, part of Primary Key</td>
<td></td>
</tr>
<tr>
<td>Relationship.RelationStartDate</td>
<td>Date relationship began.</td>
<td></td>
</tr>
<tr>
<td>Relationship.RelationEndDate</td>
<td>Date relationship ended.</td>
<td></td>
</tr>
<tr>
<td>Relationship.Note</td>
<td>Note about the relationship.</td>
<td></td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>--------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>Identification.IdentificationID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Identification.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
<td></td>
</tr>
<tr>
<td>Identification.IdentifierType</td>
<td>Type of identifier for which the object has been assigned a unique ID: Global Identifier, TDB ID, UMDB Rec #, DOI, ISBN.</td>
<td></td>
</tr>
<tr>
<td>Identification.IdentifierAssigned</td>
<td>Unique Identifier assigned to an object for an identifier type.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.ProvReferenceID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>ProvReference.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
<td></td>
</tr>
<tr>
<td>ProvReference.RefAuthor</td>
<td>Names of authors of reference work.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.RefAuthorRole</td>
<td>Role of authors of reference work (Eds.)</td>
<td></td>
</tr>
<tr>
<td>ProvReference.RefTitle</td>
<td>Title of reference work.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.MonographAuthor</td>
<td>Author names of monograph containing reference work.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.MonographAuthRole</td>
<td>Role of authors of monograph containing reference work (Eds.)</td>
<td></td>
</tr>
<tr>
<td>ProvReference.MonographTitle</td>
<td>Title of monograph containing reference work.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.JournalTitle</td>
<td>Title of journal containing reference work.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.TranslatedTitle</td>
<td>English translation of title if in another language.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.SubsidiaryAuthor</td>
<td>Names of subsidiary authors if author is an institution.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.PublicationPlace</td>
<td>Location where reference work is published.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.Publisher</td>
<td>Name of reference work publisher.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.PublicationDate</td>
<td>Date reference work was published.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.PublicationYear</td>
<td>Year when reference work was published.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.CopyrightDate</td>
<td>Date of copyright for reference work.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.IssueID</td>
<td>Issue identifier of reference work.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.WorkExtent</td>
<td>Total number of pages of reference work.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.PackagingMethod</td>
<td>Public accessibility of reference work.</td>
<td></td>
</tr>
<tr>
<td>Property</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>--------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>ProvReference.SeriesEditor</td>
<td>Editor of series containing reference work.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.SeriesEditorRole</td>
<td>Role of Editor for series containing reference work.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.SeriesTitle</td>
<td>Title of series containing reference work.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.DocumentType</td>
<td>Type of reference work. Ex: Journal, Book, Proceedings</td>
<td></td>
</tr>
<tr>
<td>ProvReference.URL</td>
<td>URL of text or full reference of reference work.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.Availability</td>
<td>File path or file cabinet if stored, or blank if not available.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.Note</td>
<td>Note about reference work.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.RefAbstract</td>
<td>Abstract of reference work.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.CallNumber</td>
<td>Identifier in classification system (LOC, Dewey, or other).</td>
<td></td>
</tr>
<tr>
<td>ProvReference.ReferenceType</td>
<td>Use of object by reference work. Ex: Report,</td>
<td></td>
</tr>
<tr>
<td>ProvReference.RefCitation</td>
<td>Complete bibliographic reference for reference work.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.RefCitSource</td>
<td>Citation database or service listing reference and date found.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.RefUseRight</td>
<td>Right or permission to use reference work, citation, or abstract.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.RefAccessRight</td>
<td>Right/permission to access or link reference work, citation or abstract.</td>
<td></td>
</tr>
<tr>
<td>ProvReference.DisplayOrder</td>
<td>Order in which reference work will appear in reference list.</td>
<td></td>
</tr>
<tr>
<td>Property.PropertyID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Property.PropertyParentID</td>
<td>Foreign Key, Property Table</td>
<td></td>
</tr>
<tr>
<td>Property.PropertyName</td>
<td>Name of the property describing an object: Ingest Status, Ingest Format Processing, Significant Property, DCMI Type, Document Type, Content Type, Subject, Language. For Ingest Status: Under Development by Creator, Being Prepared for Submission, Received by Archivist, Content Review Pending, Content Under Review by Archivist, Content Review Complete, Subject, Type, Language</td>
<td></td>
</tr>
<tr>
<td>Property.PropertyDesc</td>
<td>Description of a property.</td>
<td></td>
</tr>
<tr>
<td>-----------------------</td>
<td>-----------------------------</td>
<td></td>
</tr>
<tr>
<td>Provenance_Property.ProvenancePropertyID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Provenance_Property.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
<td></td>
</tr>
<tr>
<td>Provenance_Property.PropertyID</td>
<td>Foreign Key, Property Table</td>
<td></td>
</tr>
<tr>
<td>Provenance_Property.PPStartDate</td>
<td>Date when property began</td>
<td></td>
</tr>
<tr>
<td>Provenance_Property.PPEndDate</td>
<td>Date when property ended.</td>
<td></td>
</tr>
<tr>
<td>Provenance_Property.Note</td>
<td>Note about property as it pertains to a particular provenance.</td>
<td></td>
</tr>
<tr>
<td>Table Name</td>
<td>Description</td>
<td>Key Information</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>----------------------------------</td>
</tr>
<tr>
<td>ProvenanceNote</td>
<td>Note about the provenance of an object.</td>
<td>ProvenanceNote.ProvenanceID</td>
</tr>
<tr>
<td>ProvenanceNote.ProvenanceNoteID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>ProvenanceNote.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
<td></td>
</tr>
<tr>
<td>ProvenanceNote.NoteText</td>
<td>Note about the provenance of an object.</td>
<td></td>
</tr>
<tr>
<td>ProvenanceNote.PostedBy</td>
<td>Person who posted the note about the provenance of an object.</td>
<td></td>
</tr>
<tr>
<td>ProvenanceNote.PostedOn</td>
<td>Date the note was posted.</td>
<td></td>
</tr>
<tr>
<td>ProvenanceNote.NoteType</td>
<td>Type of provenance note: Accession, Maintenance, Disposition.</td>
<td></td>
</tr>
<tr>
<td>OtherTitle.OtherTitleID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>OtherTitle.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
<td></td>
</tr>
<tr>
<td>OtherTitle.TitleType</td>
<td>Alternate Title, Former Title</td>
<td></td>
</tr>
<tr>
<td>OtherTitle.Title</td>
<td>Other title of an object.</td>
<td></td>
</tr>
<tr>
<td>OtherTitle.Note</td>
<td>Note about the other title of an object.</td>
<td></td>
</tr>
<tr>
<td>Person.PersonID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Person.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
<td></td>
</tr>
<tr>
<td>Person.PersonOrder</td>
<td>Order in which person will appear in a Person Role list, if sorted.</td>
<td></td>
</tr>
<tr>
<td>Person.FirstName</td>
<td>First name of person.</td>
<td></td>
</tr>
<tr>
<td>Person.LastName</td>
<td>Last name of person.</td>
<td></td>
</tr>
<tr>
<td>Person.Address1</td>
<td>Line 1 of person address.</td>
<td></td>
</tr>
<tr>
<td>Person.Address2</td>
<td>Line 2 of person address.</td>
<td></td>
</tr>
<tr>
<td>Person.City</td>
<td>City of person.</td>
<td></td>
</tr>
<tr>
<td>Person.State</td>
<td>State of person.</td>
<td></td>
</tr>
<tr>
<td>Person.PostalCode</td>
<td>Postal code address for person.</td>
<td></td>
</tr>
<tr>
<td>Person.Phone</td>
<td>Telephone number for person.</td>
<td></td>
</tr>
<tr>
<td>Person.Fax</td>
<td>Fax number for person.</td>
<td></td>
</tr>
<tr>
<td>Person.Email1</td>
<td>Primary e-mail address for person.</td>
<td></td>
</tr>
<tr>
<td>Person.Email2</td>
<td>Second e-mail address for person.</td>
<td></td>
</tr>
<tr>
<td>Person.Note</td>
<td>Note about person.</td>
<td></td>
</tr>
<tr>
<td>Institution.InstitutionID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Institution.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
<td></td>
</tr>
<tr>
<td>Table</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Institution.InstitutionRole</td>
<td>Role of institution for object. Originating Organization, Program Support.</td>
<td></td>
</tr>
<tr>
<td>Institution.InstitutionOrder</td>
<td>Order in which the institution will appear on an institution role list if higher priority has been assigned.</td>
<td></td>
</tr>
<tr>
<td>Institution.InstitutionName</td>
<td>Name of institution.</td>
<td></td>
</tr>
<tr>
<td>Institution.Address1</td>
<td>Line 1 of institution address.</td>
<td></td>
</tr>
<tr>
<td>Institution.Address2</td>
<td>Line 2 of institution address.</td>
<td></td>
</tr>
<tr>
<td>Institution.City</td>
<td>City of institution.</td>
<td></td>
</tr>
<tr>
<td>Institution.State</td>
<td>State of institution.</td>
<td></td>
</tr>
<tr>
<td>Institution.PostalCode</td>
<td>Postal code for institution address.</td>
<td></td>
</tr>
<tr>
<td>Institution.Phone</td>
<td>Telephone number for institution.</td>
<td></td>
</tr>
<tr>
<td>Institution.Fax</td>
<td>Fax number for institution.</td>
<td></td>
</tr>
<tr>
<td>Institution.Website</td>
<td>Website URL for institution.</td>
<td></td>
</tr>
<tr>
<td>Institution.Note</td>
<td>Note about institution.</td>
<td></td>
</tr>
<tr>
<td>Document.DocumentID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Document.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
<td></td>
</tr>
<tr>
<td>Document.Title</td>
<td>Title of document describing the object.</td>
<td></td>
</tr>
<tr>
<td>Document.ArchivalID</td>
<td>Identifier of the document if recorded as a provenance.</td>
<td></td>
</tr>
<tr>
<td>Document.AccessPoint</td>
<td>URL of access point that disseminates document (http://…; ftp://…).</td>
<td></td>
</tr>
<tr>
<td>Document.FileName</td>
<td>Filename of the document.</td>
<td></td>
</tr>
<tr>
<td>Document.Language</td>
<td>Language in which the document is written: English, Spanish.</td>
<td></td>
</tr>
<tr>
<td>Distributor.DistributorID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Distributor.DistributorName</td>
<td>Name of the service that distributes a dissemination of an object: CIESIN,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Columbia Earth Institute, SEDAC, SEDAC LTA.</td>
<td></td>
</tr>
<tr>
<td>Distributor.Address1</td>
<td>Line 1 of distributor address.</td>
<td></td>
</tr>
<tr>
<td>Distributor.Address2</td>
<td>Line 2 of distributor address.</td>
<td></td>
</tr>
<tr>
<td>Distributor.City</td>
<td>City of distributor.</td>
<td></td>
</tr>
<tr>
<td>Distributor.State</td>
<td>State of distributor.</td>
<td></td>
</tr>
<tr>
<td>Distributor.TelePhone</td>
<td>Telephone number of distributor.</td>
<td></td>
</tr>
<tr>
<td>Distributor.Fax</td>
<td>Fax number of distributor.</td>
<td></td>
</tr>
<tr>
<td>Distributor.URL</td>
<td>URL of distributor.</td>
<td></td>
</tr>
<tr>
<td>Distributor.Email</td>
<td>Email address of distributor.</td>
<td></td>
</tr>
<tr>
<td>Distributor.Website</td>
<td>Website of distributor.</td>
<td></td>
</tr>
<tr>
<td>Dissemination.DisseminationID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Dissemination.DistributorID</td>
<td>Foreign Key, Distributor Table</td>
<td></td>
</tr>
<tr>
<td>Dissemination.Medium</td>
<td>Primary data storage medium for distributing object from dissemination</td>
<td></td>
</tr>
<tr>
<td></td>
<td>service: CD-ROM, DVD, URN, URL, FTP.</td>
<td></td>
</tr>
<tr>
<td>Dissemination.PublicAccessPoint</td>
<td>Primary Access Point for distributing object to the public from dissemination</td>
<td></td>
</tr>
<tr>
<td></td>
<td>service (http://...; ftp://...).</td>
<td></td>
</tr>
<tr>
<td>Dissemination.InternalLocation</td>
<td>Path and folder name of location from which object is distributed from</td>
<td></td>
</tr>
<tr>
<td></td>
<td>internal dissemination service.</td>
<td></td>
</tr>
<tr>
<td>Dissemination.DissemSize</td>
<td>Size of object disseminated in Bytes</td>
<td></td>
</tr>
<tr>
<td>Dissemination.StartDate</td>
<td>Date dissemination service began disseminating object.</td>
<td></td>
</tr>
<tr>
<td>Dissemination.EndDate</td>
<td>Date dissemination service discontinued disseminating object.</td>
<td></td>
</tr>
<tr>
<td>Dissemination.DIPDescription</td>
<td>File Inventory of all files included in the Dissemination Information</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Package (DIP) submitted to dissemination service for distribution.</td>
<td></td>
</tr>
<tr>
<td>Dissemination.DissemCharge</td>
<td>Amount received from dissemination service for distributing object.</td>
<td></td>
</tr>
<tr>
<td>Dissemination.DissemChargeUnit</td>
<td>Monetary unit of DissemCharge.</td>
<td></td>
</tr>
<tr>
<td>Dissemination.OriginalPublisher</td>
<td>Flag indicating that dissemination is by Original Publisher: N, Y.</td>
<td></td>
</tr>
<tr>
<td>Dissemination.PrimaryDistributor</td>
<td>Flag indicating that dissemination is by Primary Distributor: N, Y.</td>
<td></td>
</tr>
<tr>
<td>Table</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>---------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>DissemAltPoint.DissemAltPointID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>DissemAltPoint.DisseminationID</td>
<td>Foreign Key, Dissemination Table</td>
<td></td>
</tr>
<tr>
<td>DissemAltPoint.AltAccessPoint</td>
<td>Alternate access point disseminating object (http://..., ftp://...).</td>
<td></td>
</tr>
<tr>
<td>DissemAltPoint.StartDate</td>
<td>Date started disseminating object at alternate access point.</td>
<td></td>
</tr>
<tr>
<td>DissemAltPoint.EndDate</td>
<td>Date stopped disseminating object at alternate access point.</td>
<td></td>
</tr>
<tr>
<td>DissemAltPoint.Note</td>
<td>Note on alternate dissemination point.</td>
<td></td>
</tr>
<tr>
<td>ProvDissemination.ProvDisseminationID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>ProvDissemination.DisseminationID</td>
<td>Foreign Key, Dissemination Table, part of Alternate Key</td>
<td></td>
</tr>
<tr>
<td>ProvDissemination.ProvenanceID</td>
<td>Foreign Key, Provenance Table, part of Alternate Key</td>
<td></td>
</tr>
<tr>
<td>ProvDissemination.RootPath</td>
<td>Directory path where object is disseminated within group.</td>
<td></td>
</tr>
<tr>
<td>ProvDissemination.StartDate</td>
<td>Date object began being disseminated within group.</td>
<td></td>
</tr>
<tr>
<td>ProvDissemination.EndDate</td>
<td>Date object no longer disseminated within group.</td>
<td></td>
</tr>
<tr>
<td>ProvDissemination.Note</td>
<td>Note on object dissemination within group.</td>
<td></td>
</tr>
<tr>
<td>PDFileList.PDFileListID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>PDFileList.ProvDissemID</td>
<td>Foreign Key, ProvDissemination Table</td>
<td></td>
</tr>
<tr>
<td>PDFileList.FileName</td>
<td>Name of the file listing files disseminated in dissemination.</td>
<td></td>
</tr>
<tr>
<td>PDFileList.StartDate</td>
<td>Date the listed files were included in dissemination.</td>
<td></td>
</tr>
<tr>
<td>PDFileList.EndDate</td>
<td>Date the listed files were no longer in dissemination.</td>
<td></td>
</tr>
<tr>
<td>PDFileList.Note</td>
<td>Note about the list of files included within dissemination.</td>
<td></td>
</tr>
<tr>
<td>Catalog.CatalogID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Catalog.CatalogName</td>
<td>Name of the catalog where an object is registered: SEDAC, CIESIN, EDGRS, ESIP, DLESE, NSDL.</td>
<td></td>
</tr>
<tr>
<td>Catalog.URL</td>
<td>URL of the catalog where an object is registered.</td>
<td></td>
</tr>
<tr>
<td>Catalog.ContactInfo</td>
<td>Contact information for a catalog where an object is registered.</td>
<td></td>
</tr>
<tr>
<td>CatalogEntry.CatalogEntryID</td>
<td>Database generated,</td>
<td></td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th><strong>CatalogEntry</strong></th>
<th><strong>Column</strong></th>
<th><strong>Description</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>DisseminationID</td>
<td>Primary Key</td>
<td>Foreign Key, Dissemination Table.</td>
</tr>
<tr>
<td>CatalogID</td>
<td>Foreign Key</td>
<td>Catalog Table.</td>
</tr>
<tr>
<td>EntryID</td>
<td>Unique Identifier in the catalog for the record describing the object.</td>
<td></td>
</tr>
<tr>
<td>Submission</td>
<td>Date description of entry was submitted to a catalog.</td>
<td></td>
</tr>
<tr>
<td>StartDate</td>
<td>Date catalog entry was available.</td>
<td></td>
</tr>
<tr>
<td>EndDate</td>
<td>Date catalog entry was no longer available.</td>
<td></td>
</tr>
<tr>
<td>EntryStatus</td>
<td>Status of catalog entry: None, Partial, Complete, Removed.</td>
<td></td>
</tr>
<tr>
<td>EntryDesc</td>
<td>Description of the dissemination included in the fields of the entry.</td>
<td></td>
</tr>
<tr>
<td>EntryLastUpdate</td>
<td>Date of the last update to the catalog entry for the object.</td>
<td></td>
</tr>
<tr>
<td>Note</td>
<td>Note about the catalog entry for an object.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Location</strong></th>
<th><strong>Column</strong></th>
<th><strong>Description</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>LocationID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>LocType</td>
<td>Type of location. Onsite Offline Archive, Offsite Offline Archive, Onsite Processing, Onsite Network, Onsite Storage Shelves.</td>
<td></td>
</tr>
<tr>
<td>LocName</td>
<td>Name of the Location. CIESIN Archival Facility, GISS Computer Room, Geoscience Computer Room, Geoscience Storage Room.</td>
<td></td>
</tr>
<tr>
<td>LocDesc</td>
<td>Description of the archival facilities at the location.</td>
<td></td>
</tr>
<tr>
<td>LocAGENT</td>
<td>Name of the individual responsible for the location.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>LocationParam</strong></th>
<th><strong>Column</strong></th>
<th><strong>Description</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>LocationParamID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>LocationID</td>
<td>Foreign Key, Location Table</td>
<td></td>
</tr>
<tr>
<td>ParamName</td>
<td>Name of the parameter measured at the location: Temperature, High Temperature, Low Temperature, Humidity, High Humidity, Low Humidity, Inventory, Recovery Test.</td>
<td></td>
</tr>
<tr>
<td>ParamValue</td>
<td>Value of the parameter measured at the location.</td>
<td></td>
</tr>
<tr>
<td>ParamUnit</td>
<td>Unit of measurement for recorded value measured at location: Degrees</td>
<td></td>
</tr>
<tr>
<td>Column</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>-----------------------------------------------------------------------</td>
<td>-------------</td>
<td></td>
</tr>
<tr>
<td>LocationParam.ParamDate</td>
<td>Date and time of measurement.</td>
<td></td>
</tr>
<tr>
<td>LocationParam.ParamNote</td>
<td>Note on instrument or parameter measured.</td>
<td></td>
</tr>
<tr>
<td>Media.MediaID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Media.MediaBrand</td>
<td>Brand of the media: TDK 700 MB 48x Data CD-R.</td>
<td></td>
</tr>
<tr>
<td>Media.MediaPurchaseDate</td>
<td>Date the media was purchased.</td>
<td></td>
</tr>
<tr>
<td>Media.Note</td>
<td>Note about the media.</td>
<td></td>
</tr>
<tr>
<td>Media_Location.LocationID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Media_Location.MediaID</td>
<td>Foreign Key, Media Table</td>
<td></td>
</tr>
<tr>
<td>Media_Location.DepositedOn</td>
<td>Date the archival media was deposited at the location.</td>
<td></td>
</tr>
<tr>
<td>Media_Location.RemovedOn</td>
<td>Date the archival media was removed from the location.</td>
<td></td>
</tr>
<tr>
<td>Media_Location.Note</td>
<td>Note about the archival media housed at a location.</td>
<td></td>
</tr>
<tr>
<td>Event.EventID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Event.MediaID</td>
<td>Foreign Key, Media Table</td>
<td></td>
</tr>
<tr>
<td>Event.Designation</td>
<td>Name of the event: Deposit, Inventory, Audit, Inspection, Virus Check, Media Write, Quality Check, Format Conversion, Removal, Check Out, Bring Forward, Media Request, Media Destruction.</td>
<td></td>
</tr>
<tr>
<td>Event.Procedure</td>
<td>Procedure completed on media during an event.</td>
<td></td>
</tr>
<tr>
<td>Event.Location</td>
<td>Location where the event occurred.</td>
<td></td>
</tr>
<tr>
<td>Event.EventDate</td>
<td>Date and time of event.</td>
<td></td>
</tr>
<tr>
<td>Event.Outcome</td>
<td>Description of the event outcome.</td>
<td></td>
</tr>
<tr>
<td>Event.Note</td>
<td>Note about the event.</td>
<td></td>
</tr>
<tr>
<td>Event.ResponsiblePerson</td>
<td>Individual responsible for the event.</td>
<td></td>
</tr>
<tr>
<td>Event.RetrievalRecipient</td>
<td>Individual who received the media.</td>
<td></td>
</tr>
<tr>
<td>Event.RetrievalRequestor</td>
<td>Individual who requested the media.</td>
<td></td>
</tr>
<tr>
<td>ProvenanceMedia.ProvenanceMediaID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>ProvenanceMedia.ProvenanceID</td>
<td>Foreign Key, Provenance</td>
<td></td>
</tr>
<tr>
<td>Table</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>ProvenanceMedia.MediaID</td>
<td>Foreign Key, Media Table</td>
<td></td>
</tr>
<tr>
<td>ProvenanceMedia.RootPath</td>
<td>Path and directory of the object on the media.</td>
<td></td>
</tr>
<tr>
<td>ProvenanceMedia.WriteDate</td>
<td>Date the object was written on the media.</td>
<td></td>
</tr>
<tr>
<td>ProvenanceMedia.DeleteDate</td>
<td>Date the object was deleted from the media.</td>
<td></td>
</tr>
<tr>
<td>ProvenanceMedia.ValidationProc</td>
<td>Signature type used to generate validation key: MD5, SHA-1.</td>
<td></td>
</tr>
<tr>
<td>ProvenanceMedia.KeyCreationDate</td>
<td>Date validation key was generated.</td>
<td></td>
</tr>
<tr>
<td>ProvenanceMedia.Result</td>
<td>Hash value, filename, or path and filename of stored validation signature.</td>
<td></td>
</tr>
<tr>
<td>ProvenanceMedia.LastCheckDate</td>
<td>Date validation key generated and compared with original.</td>
<td></td>
</tr>
<tr>
<td>ProvenanceMedia.NextCheckDate</td>
<td>Date scheduled for validation key comparison.</td>
<td></td>
</tr>
<tr>
<td>DataFile.DataFileID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>DataFile.ProvenanceMediaID</td>
<td>Foreign Key, ProvenanceMedia Table</td>
<td></td>
</tr>
<tr>
<td>DataFile.FileName</td>
<td>Name of the file including its extension.</td>
<td></td>
</tr>
<tr>
<td>DataFile.FileSize</td>
<td>Size of the file in bytes.</td>
<td></td>
</tr>
<tr>
<td>DataFile.ContentType</td>
<td>Type of content in the file: Data, Documentation, Permission, Startup.</td>
<td></td>
</tr>
<tr>
<td>DataFile.MarkupType</td>
<td>Type of markup used to encode contents of file: HTML, SGML, XML.</td>
<td></td>
</tr>
<tr>
<td>DataFile.MarkupName</td>
<td>Name of schema and version employed for the MarkupType: TEI DTD, W3C XML.</td>
<td></td>
</tr>
<tr>
<td>DataFile.MarkupSchema</td>
<td>Contents of schema used for the Markup Type.</td>
<td></td>
</tr>
<tr>
<td>DataFile.FileAccessRight</td>
<td>Access rights or limitations specific to file: Universal Access -unrestricted, Research Use Only, Educational Use Only, Research and Educational Use Only, Non-Commercial Use Only, On-Site Use Only, Signed Confidentiality Agreement Only, Staff Only, Staff Addresses Only, Licensees Only, Domestic IP Addresses Only, No Online Access, No Access Allowed Pending Further</td>
<td></td>
</tr>
<tr>
<td>DataFile.ExpofAccessRight</td>
<td>Date access rights or restrictions specific to file expire.</td>
<td></td>
</tr>
<tr>
<td>---------------------------</td>
<td>----------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>DataFile.PreservRestrictn</td>
<td>Preservation rights or limitations for preserving file.</td>
<td></td>
</tr>
<tr>
<td>DataFile.EncryptionInfo</td>
<td>Description of encryption employed on file.</td>
<td></td>
</tr>
<tr>
<td>DataFile.AccessInhibitors</td>
<td>Inhibitors to access inherent to the file: Password protection, AAA watermark.</td>
<td></td>
</tr>
<tr>
<td>DataFile.FileType</td>
<td>MIME Media Type for file in format Content Type/Subtype: application/pdf, audio/mpeg, image/tiff, message/http, model/vrml, multipart/signed, text/html, video/mpeg.</td>
<td></td>
</tr>
<tr>
<td>DataFileFileVersion</td>
<td>Version of the MIME Media Type.</td>
<td></td>
</tr>
<tr>
<td>DataFile.FormatRegistry</td>
<td>Registry to identify the software program used to create or view the file: Pronom.</td>
<td></td>
</tr>
<tr>
<td>DataFile.RegistryEntry</td>
<td>Entry in the Format Registry for the file format.</td>
<td></td>
</tr>
<tr>
<td>DataFile.DateModified</td>
<td>Last date and time when file was written or modified.</td>
<td></td>
</tr>
<tr>
<td>DataFile.PreservFormat</td>
<td>File format is a preservation format: Y, N.</td>
<td></td>
</tr>
<tr>
<td>DataFile.AltFormat</td>
<td>Alternate or derivative formats that contain contents of file: txt, csv, pdf.</td>
<td></td>
</tr>
<tr>
<td>DataFile.OriginalFileID</td>
<td>Foreign key to DataFile.DataFileID. DataFileID for original file from which the file is a derivative.</td>
<td></td>
</tr>
<tr>
<td>DataFile.OriginalFileName</td>
<td>Filename (and extension) for the original source file from which the file described is a derivative.</td>
<td></td>
</tr>
<tr>
<td>DataFile.Creation</td>
<td>Description of the file creation, coded to record file history: Original file received, Migrated file, Archive generated file.</td>
<td></td>
</tr>
<tr>
<td>DataFile.RefreshDate</td>
<td>Last date and time file was written to any media.</td>
<td></td>
</tr>
<tr>
<td>---------------------------</td>
<td>---------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>DataFile.AccessStartDate</td>
<td>Date when access to file may be granted.</td>
<td></td>
</tr>
<tr>
<td>DataFile.AccessEndDate</td>
<td>Date when access to file ends.</td>
<td></td>
</tr>
<tr>
<td>DataFile.DeaccessionDate</td>
<td>Date when file was deaccessioned from archive.</td>
<td></td>
</tr>
<tr>
<td>FilePart.FilePartID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>FilePart.DataFileID</td>
<td>Foreign Key, DataFile Table</td>
<td></td>
</tr>
<tr>
<td>FilePart.FilePartType</td>
<td>Type of FilePart: Table, Screenshot, Thumbnail Image, Page Image, Annotation, Mask, Metadata Text.</td>
<td></td>
</tr>
<tr>
<td>FilePart.FilePartLoc</td>
<td>Location or address of FilePart within the file: Unknown.</td>
<td></td>
</tr>
<tr>
<td>FilePart.FilePartDesc</td>
<td>Description of FilePart differentiated from file.</td>
<td></td>
</tr>
<tr>
<td>Environment.EnvironmentID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Environment.DataFileID</td>
<td>Foreign Key, DataFile Table</td>
<td></td>
</tr>
<tr>
<td>Environment.EnvironmentType</td>
<td>Type of environment required for data file: Rendering Software, Display Application, Operating System, Middleware, Hardware CPU, Hardware Peripherals.</td>
<td></td>
</tr>
<tr>
<td>Environment.Title</td>
<td>Title of environment software or hardware required.</td>
<td></td>
</tr>
<tr>
<td>Environment.Description</td>
<td>Description of implementation environment for data file.</td>
<td></td>
</tr>
<tr>
<td>Environment.Documentation</td>
<td>Documentation for the implementation environment.</td>
<td></td>
</tr>
<tr>
<td>Environment.ExpiryDate</td>
<td>Date environment is scheduled to expire or be replaced.</td>
<td></td>
</tr>
<tr>
<td>AccessRestriction.AccessRestrictionID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>AccessRestriction.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
<td></td>
</tr>
<tr>
<td>AccessRestriction.AccessRestriction</td>
<td>Security category or type of restriction: Onsite Use Only - Confidential Data- No Copying, Permission from Project Director Required, Confidentiality Agreement Required - No Copying or Network Access, Project Director only, Universal</td>
<td></td>
</tr>
<tr>
<td>AccessRestriction.AccessRestrictionDesc</td>
<td>Description of restriction on access to object.</td>
<td></td>
</tr>
<tr>
<td>---------------------------------------</td>
<td>-------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>AccessRestriction.CurrentDeclaration</td>
<td>Confidentiality agreement or user agreement on restriction.</td>
<td></td>
</tr>
<tr>
<td>AccessRestriction.SecurityNote</td>
<td>Note about the security restriction on object.</td>
<td></td>
</tr>
<tr>
<td>AccessRestriction.SecurityReviewDate</td>
<td>Date security restriction is scheduled for review.</td>
<td></td>
</tr>
<tr>
<td>AccessRestriction.ARStartDate</td>
<td>Date access restriction on object begins.</td>
<td></td>
</tr>
<tr>
<td>AccessRestriction.AREndDate</td>
<td>Date access restriction on object ends.</td>
<td></td>
</tr>
<tr>
<td>Decision.DecisionID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Decision.DecisionType</td>
<td>Type of Decision: Acquisition, Nomination for Dissemination, Nomination for Deaccession, Nomination for Transfer, Nomination for Accession, Dissemination, Disposition, Transfer, Provisional Use, Beta System Dissemination; Production System Dissemination.</td>
<td></td>
</tr>
<tr>
<td>Decision.Decision</td>
<td>Decision about an object for a Decision Type. For Preservation Service: Preserve content, Preserve Original Formats; For SEDAC: Disseminate, Ancillary Product, Transfer to LTA; For SEDAC Acquisition: redistributed 3rd party data, value-added 3rd party data, SEDAC-developed; For LTA: Public Dissemination, Restricted Dissemination; (Others Considered: Under Review, Disseminate, Delete, Remove) The following 7 categories are not mutually exclusive: Delete; Retire; Long-Term Archive; Archive, But Not Disseminate, SEDAC Disseminate by Type: -</td>
<td></td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>-----------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Decision.MeetingDate</td>
<td>Date when the decision was made.</td>
<td></td>
</tr>
<tr>
<td>Decision.DecisionActiveDate</td>
<td>Date on which the decision is implemented.</td>
<td></td>
</tr>
<tr>
<td>Decision.Authority</td>
<td>Authority deciding the status of an object within the archive: CIRESIN Director, CIRESIN Deputy Director, CIRESIN Associate Director for IS, SEDAC UWG, SEDAC Project Manager, SEDAC Lead Project Scientist, SEDAC Archives Manager, SEDAC Archivist, LTA Board, LTA Manager, LTA Archivist.</td>
<td></td>
</tr>
<tr>
<td>Decision.Note</td>
<td>Note of Rationale or Justification for making the decision.</td>
<td></td>
</tr>
<tr>
<td>ProvenanceDecision.ProvenanceDecisionID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>ProvenanceDecision.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
<td></td>
</tr>
<tr>
<td>ProvenanceDecision.DecisionID</td>
<td>Foreign Key, Decision Table</td>
<td></td>
</tr>
<tr>
<td>ProvenanceDecision.Note</td>
<td>Note about the decision in reference to a specific provenance.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.RightOwnerID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>RightOwner.Entity</td>
<td>Organization that owns right for an object or Public Domain.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.Signator</td>
<td>Person who signed document authorizing a right for an object.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.SignatorTitle</td>
<td>Title of signer authorizing a right for an object.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.SigContactInfo</td>
<td>Contact information for signer authorizing a right for an object.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.Address1</td>
<td>Line 1 of right owner address.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.Address2</td>
<td>Line 2 of right owner address.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.City</td>
<td>City of right owner.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.State</td>
<td>State of right owner.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.Country</td>
<td>Country of right owner.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.PostalCode</td>
<td>Postal code for right owner.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.Telephone</td>
<td>Telephone number for right owner.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.Fax</td>
<td>Fax number for right owner.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.Email</td>
<td>E-mail for right owner.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.Website</td>
<td>URL of right owner website.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.Note</td>
<td>Note about right owner.</td>
<td></td>
</tr>
<tr>
<td><strong>Right.RightID</strong></td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td><strong>Right.RightType</strong></td>
<td>Type of right held: copyright, license, public domain, contract, Permission</td>
<td></td>
</tr>
<tr>
<td><strong>Right.RightName</strong></td>
<td>Distribution Right, Usage Right, Preservation Right, Access Right, Print Right</td>
<td></td>
</tr>
<tr>
<td><strong>Right.RightDesc</strong></td>
<td>Description of the right and intellectual property restrictions or obligations</td>
<td></td>
</tr>
<tr>
<td><strong>Right.Note</strong></td>
<td>Note on rights for object</td>
<td></td>
</tr>
</tbody>
</table>

<p>| <strong>RightHeld.RightHeldID</strong> | Database generated, Primary Key |
| <strong>RightHeld.RightOwnerID</strong> | Foreign Key, RightOwner Table |
| <strong>RightHeld.ProvenanceID</strong> | Foreign Key, Provenance Table |
| <strong>RightHeld.RightID</strong> | Foreign Key, Right Table |
| <strong>RightHeld.RightOrigination</strong> | Right granted to others or received from owner: Granted, Received |
| <strong>RightHeld.CurDeclaration</strong> | Content of license, contract, or permission statement |
| <strong>RightHeld.RightDocFile</strong> | Filename and directory path of the digital (or scanned) document that authorizes rights for an object |
| <strong>RightHeld.RightDocLoc</strong> | Location of original printed license, contract, or permission document: Onsite Archive, Offsite Archive, Storeroom, Not Printed |
| <strong>RightHeld.BeginDate</strong> | Date of execution for rights held or date of contract if not specified |
| <strong>RightHeld.ExpiryDate</strong> | Date of expiration for rights held or null if no expiration date |
| <strong>RightHeld.Receiver</strong> | Person who signed document (or agreed to conditions) and is authorized to acquire or use object |
| <strong>RightHeld.Cost</strong> | Cost to acquire object or rights to object |
| <strong>RightHeld.CostUnit</strong> | Monetary unit for cost to acquire object or rights to object |
| <strong>RightHeld.Note</strong> | Note on right held for an object |
| <strong>RightHeld.RightBrief</strong> | Brief description of right held and intended usage group or purpose: Use and distribute freely, Use and distribute only within organization, Distribute for |</p>
<table>
<thead>
<tr>
<th>RightHeld.Request</th>
<th>Request for rights, including the reason to justify authorization.</th>
</tr>
</thead>
</table>

research or educational purposes, Third party distribution, Research use only, Educational use only, Non-commercial use only, Staff use only.
Crosswalk:

<table>
<thead>
<tr>
<th>Field</th>
<th>Definition</th>
<th>NLA Preservation Metadata</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collection.CollectionID</td>
<td>Database generated, Primary Key</td>
<td>1. Persistent Identifier (Collection)</td>
</tr>
<tr>
<td>Collection.Title</td>
<td>Title for a Collection: CIESIN Archive, SEDAC Scientific Data Archives, specific project Archive.</td>
<td>17. Institution Responsible for Archiving Decision (Collection)</td>
</tr>
<tr>
<td>Collection.Description</td>
<td>Description of the collection and keywords.</td>
<td>3. Structural Type (Collection)</td>
</tr>
<tr>
<td>Collection.AccessReqmt</td>
<td>Requirements for accessing the collection: Object Specific Requirements, CMB Approval, Systems Manager Approval.</td>
<td>6. Known System Requirements (Collection)</td>
</tr>
<tr>
<td>Collection.InstallReqmt</td>
<td>Requirements for installation of collection</td>
<td>7. Installation Requirements (Collection)</td>
</tr>
<tr>
<td>Collection.SizeReqmnt</td>
<td>Storage volume requirement for collection, automatically calculated.</td>
<td>8. Storage Information (Collection)</td>
</tr>
<tr>
<td>Collection.AccessInhibitor</td>
<td>Method(s) employed to inhibit access to collection that could affect preservation, such as encryption or watermarking.</td>
<td>9. Access Inhibitors (Collection)</td>
</tr>
<tr>
<td>Collection.FindingAid</td>
<td>Method used to facilitate discovery of collection.</td>
<td>10. Finding and Searching Aids, and Access Facilitators (Collection)</td>
</tr>
<tr>
<td>Collection.PresrvPermission</td>
<td>Statement of permission to copy collection or migrate to various formats for preservation.</td>
<td>11. Preservation Action Permission (Collection)</td>
</tr>
<tr>
<td>Collection.RelationDesc</td>
<td>Description of relationships, relevant for preservation, between collection and other objects or collections.</td>
<td>13. Relationships (Collection)</td>
</tr>
<tr>
<td>Collection.Quirk</td>
<td>Characteristic that could degrade functionality or aspects of the collection.</td>
<td>14. Quirks (Collection)</td>
</tr>
<tr>
<td>Collection.Purpose</td>
<td>Purpose and reason for archiving the collection: Funding Agency Requirement; Scientific Value; Historical value; Fiduciary responsibility.</td>
<td>16. Decision Reason (Collection)</td>
</tr>
<tr>
<td>Collection.DecisionDate</td>
<td>Date of decision to archive the collection.</td>
<td>15. Archiving Decision (Collection)</td>
</tr>
<tr>
<td>Collection.AccessStartDate</td>
<td>Date access was provided to collection.</td>
<td>2. Date (Collection)</td>
</tr>
<tr>
<td>Collection.AccessEndDate</td>
<td>Date when access to collection ended.</td>
<td></td>
</tr>
<tr>
<td>Collection.DeaccessionDate</td>
<td>Date collection is deaccessioned by archive.</td>
<td></td>
</tr>
<tr>
<td>Collection.Note</td>
<td>Notes about collection.</td>
<td>23. Process, 25. Other</td>
</tr>
<tr>
<td>Series.SeriesID</td>
<td>Database generated,</td>
<td></td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Series.CollectionID</td>
<td>Foreign Key, Collection Table</td>
<td></td>
</tr>
<tr>
<td>Series.Title</td>
<td>Title of a record series category within a Collection: CIESIN Administrative Records, CIESIN Records Common to All Projects, CIESIN Scientific Data, SEDAC Operations Records, SEDAC Active Archive, SEDAC Long-Term Archive.</td>
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</tr>
<tr>
<td>Series.Description</td>
<td>Description of the series.</td>
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</tr>
<tr>
<td>Series.VRIndicator</td>
<td>Category of vital records, if applicable, for the series: Non-Vital Records, Emergency - Operating Records, Legal or Financial Rights, Emergency and Rights Records.</td>
<td></td>
</tr>
<tr>
<td>Series.VRRReviewDate</td>
<td>Date of next review of vital records in series.</td>
<td></td>
</tr>
<tr>
<td>Series.Activity</td>
<td>Level of use for series, assignment based on SeriesActivity.</td>
<td></td>
</tr>
<tr>
<td>Series.ActivityDate</td>
<td>Date when activity for the series was reviewed and assigned.</td>
<td></td>
</tr>
<tr>
<td>Series.CutoffDate</td>
<td>Date to cutoff records in series.</td>
<td></td>
</tr>
<tr>
<td>Series.AnnualAccum</td>
<td>Estimate of annual accumulation of records in series.</td>
<td></td>
</tr>
<tr>
<td>Series.AccessStartDate</td>
<td>Date when access to series began.</td>
<td></td>
</tr>
<tr>
<td>Series.EndDate</td>
<td>Date when access to series ended.</td>
<td></td>
</tr>
<tr>
<td>Series.DeaccessionDate</td>
<td>Date of deaccession for all records in series.</td>
<td></td>
</tr>
<tr>
<td>Series.Note</td>
<td>Notes about the series.</td>
<td></td>
</tr>
<tr>
<td>SeriesActivity.SeriesActivityID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>SeriesActivity.SeriesID</td>
<td>Foreign Key, Series Table.</td>
<td></td>
</tr>
<tr>
<td>SeriesActivity.PeriodStartDate</td>
<td>Date series activity period began.</td>
<td></td>
</tr>
<tr>
<td>SeriesActivity.PeriodEndDate</td>
<td>Date series activity period ended.</td>
<td></td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>--------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>SeriesActivity.UniqueUserCnt</td>
<td>Number of unique users of series during period.</td>
<td></td>
</tr>
<tr>
<td>SeriesActivity.TotalUserCnt</td>
<td>Total number of users of series during period.</td>
<td></td>
</tr>
<tr>
<td>SeriesActivity.Note</td>
<td>Notes about series activity for a given period.</td>
<td></td>
</tr>
<tr>
<td>Aggregate.AggregateID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Aggregate.SeriesID</td>
<td>Foreign Key, Series Table</td>
<td></td>
</tr>
<tr>
<td>Aggregate.Title</td>
<td>Title of Aggregate category assignment. For SEDAC Scientific Data Series mission areas: PLUE, ENTRI, EH, MVA, HVA, AFS, ES, EX, IG.</td>
<td></td>
</tr>
<tr>
<td>Aggregate.AccessStartDate</td>
<td>Date access to aggregate began.</td>
<td></td>
</tr>
<tr>
<td>Aggregate.AccessEnDate</td>
<td>Date when access to aggregate ended.</td>
<td></td>
</tr>
<tr>
<td>Aggregate.DeaccessionDate</td>
<td>Date of deaccession for all records in aggregate.</td>
<td></td>
</tr>
<tr>
<td>Provenance.ProvenanceID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Provenance.AggregateID</td>
<td>Foreign Key, Aggregate Table</td>
<td></td>
</tr>
<tr>
<td>Provenance.Origin</td>
<td>Description of the creation process of the object.</td>
<td></td>
</tr>
<tr>
<td>Provenance.Title</td>
<td>Formal Title that identifies or describes the object.</td>
<td></td>
</tr>
<tr>
<td>Provenance.Version</td>
<td>Identification to differentiate object from other versions.</td>
<td></td>
</tr>
<tr>
<td>Provenance.PriIngest</td>
<td>Description of pre-ingest processing and custody of object.</td>
<td></td>
</tr>
<tr>
<td>Provenance.CreationDate</td>
<td>Date object was completed by Author.</td>
<td></td>
</tr>
<tr>
<td>Provenance.SubmissionDate</td>
<td>Date object was submitted to the archive for ingest.</td>
<td></td>
</tr>
<tr>
<td>Provenance.Citation</td>
<td>Complete citation for object.</td>
<td></td>
</tr>
<tr>
<td>Provenance.DesignatedCommunity</td>
<td>Description of designated community of users, potential users, or audience for the object: Human interactions in the environment community, Decision-maker, Learner, Manager, Scientist, Teacher.</td>
<td></td>
</tr>
<tr>
<td>Provenance.ReqdPreservationService</td>
<td>Level of preservation service or preservation plan requested by submitter or data provider: Preserve Original Formats; Preserve Content in Supported Formats.</td>
<td></td>
</tr>
<tr>
<td>Provenance.ReqdDisseminationService</td>
<td>Level of dissemination service or dissemination plan requested by submitter or data provider: Restricted</td>
<td></td>
</tr>
</tbody>
</table>
Provenance.ReasonForCreation | Reason or purpose for creating the described object.
Provenance.CustodyHistory | Chain of custody of object prior to ingest into archive.
Provenance.ReasonForPreservation | Justification for selecting object for preservation in archive.
Provenance.AcquisitionDate | Date original object was acquired by archive.
Provenance.AcquisitionVolume | Volume of original object acquired by archive.
Provenance.AcquisitionFileInventory | List of all files in original object acquired by archive.
Provenance.ReceivedDate | Date object received by the Archivist.
Provenance.DeaccessionDate | Date the object was deaccessioned from archive.
Provenance.AIPVolume | Total Size of the Archival Information Package created by the archive to preserve the Content Information and Associated Material.
Provenance.ContentInformationSize | Size of Content Information of the Archival Information Package in Bytes.
Provenance.AssociatedMaterialSize | Size of material associated with the Content Information of the AIP in Bytes.
Provenance.Functionality | Description of any functional characteristics of the object.
Provenance.AIPFileInventory | List of all filenames and sizes organized by the directory structure.
Provenance.AIPDataDictionary | List of each filename in object with title of document or description for each file, including alternate formats.
Provenance.AIP | All the files within their preservation structure, containing Content Information and Associated Information that has been transformed by the Archive for preservation (location in system if dbms is part of the repository).
Provenance.AIPCreationDate | Date archive created Preservation Master for Archival Information Package.
Provenance.ReceivedSIP | All of the files (within their original structure) received from the provider in the Submission Information.
<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Package (SIP) containing</td>
<td>the Content Information and all Associated Information for the original object acquired (stored in system if dbms is part of the repository).</td>
</tr>
<tr>
<td>Provenance.PreparedSIP</td>
<td>All of the files (within their preservation structure), containing the Content Information and the Associated Information that have been prepared by the Archive for submission to another Archive or Collection (stored in system if dbms is part of the repository).</td>
</tr>
<tr>
<td>Provenance.PermRecordIndicator</td>
<td>Indicator that the record is a Permanent Record: N, Y.</td>
</tr>
<tr>
<td>Provenance.RecordCondition</td>
<td>Condition of record.</td>
</tr>
<tr>
<td>Provenance.Description</td>
<td>Description of the intellectual content of the object.</td>
</tr>
<tr>
<td>Provenance.Methodology</td>
<td>Instruments and techniques used to create the data.</td>
</tr>
<tr>
<td>Provenance.Variable</td>
<td>Variables, layouts, and codes used to describe the data.</td>
</tr>
<tr>
<td>Provenance.SpatialCoverageDesc</td>
<td>Political or geographical description of spatial coverage.</td>
</tr>
<tr>
<td>Provenance.SpatialCoverageNote</td>
<td>Latitude and longitude covered, if available.</td>
</tr>
<tr>
<td>Provenance.SpatialResolution</td>
<td>Spatial Resolution.</td>
</tr>
<tr>
<td>Provenance.SpatialResolutionNote</td>
<td>Notes on the spatial resolution of the object.</td>
</tr>
<tr>
<td>Provenance.SRS</td>
<td>Spatial Reference System used for spatial resolution.</td>
</tr>
<tr>
<td>Provenance.BBoxMinX</td>
<td>Minimum X Coordinate (Longitude) for the Bounding Box.</td>
</tr>
<tr>
<td>Provenance.BBoxMinY</td>
<td>Minimum Y Coordinate (Latitude) for the Bounding Box.</td>
</tr>
<tr>
<td>Provenance.BBoxMaxX</td>
<td>Maximum X Coordinate (Longitude) for the Bounding Box.</td>
</tr>
<tr>
<td>Provenance.BBoxMaxY</td>
<td>Maximum Y Coordinate (Latitude) for the Bounding Box.</td>
</tr>
<tr>
<td>Provenance.SpatialCoverage</td>
<td>If database supports native spatial data types, this field should be used to store actual shape of spatial coverage.</td>
</tr>
<tr>
<td>Retention.RetentionID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>-----------------------</td>
<td>----------------------------------</td>
</tr>
<tr>
<td>Retention.ProvenanceID</td>
<td>Foreign Key, Provenance Table, if retention relates to provenance.</td>
</tr>
<tr>
<td>Retention.SeriesID</td>
<td>Foreign Key, Series Table, if retention relates to series.</td>
</tr>
<tr>
<td>Retention.Instruction</td>
<td>Instructions for retention or disposition of record or series: Review every Five Years, Retain Indefinitely, Freeze, Transfer to LTA, Retire, Destroy.</td>
</tr>
<tr>
<td>Retention.InstructionReason</td>
<td>Justification for retention instructions on record or series.</td>
</tr>
<tr>
<td>Retention.InstrctnDate</td>
<td>Date instructions were decided for record or series.</td>
</tr>
<tr>
<td>Retention.InstrctnActDate</td>
<td>Date instructions are to be executed for record or series.</td>
</tr>
<tr>
<td>Retention.ScheduleDate</td>
<td>Date record or series will be reviewed.</td>
</tr>
<tr>
<td>Retention.Authority</td>
<td>Name of individual or group deciding on instructions for record or series: SEDAC UWG, LTA Board.</td>
</tr>
<tr>
<td>TemporalData.TemporalDataID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>TemporalData.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>TemporalData.TCovPrecision</td>
<td>Precision of data used to describe temporal coverage: Year, Month, Day.</td>
</tr>
<tr>
<td>TemporalData.TCovStart</td>
<td>Start date for data collection.</td>
</tr>
<tr>
<td>TemporalData.TCovEnd</td>
<td>End date for data collection.</td>
</tr>
<tr>
<td>TemporalData.TCovProjectionTo</td>
<td>Date of temporal coverage projection to a future date.</td>
</tr>
<tr>
<td>TemporalData.TresDescription</td>
<td>Description of temporal resolution, time intervals between successive observations, frequency of granule production.</td>
</tr>
<tr>
<td>Relationship.FromProvenanceID</td>
<td>Foreign Key, Provenance Table, part of Primary Key</td>
</tr>
<tr>
<td>Relationship.ToProvenanceID</td>
<td>Foreign Key, Provenance Table, part of Primary Key</td>
</tr>
<tr>
<td>Relationship.RelationStartDate</td>
<td>Date relationship began.</td>
</tr>
<tr>
<td>Relationship.RelationEndDate</td>
<td>Date relationship ended.</td>
</tr>
<tr>
<td>Relationship.Note</td>
<td>Note about the relationship.</td>
</tr>
<tr>
<td>------------------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td>Identification.IdentificationID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Identification.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>Identification.IdentifierType</td>
<td>Type of identifier for which the object has been assigned a unique ID: Global Identifier, TDB ID, UMDB Rec #, DOI, ISBN.</td>
</tr>
<tr>
<td>Identification.IdentifierAssigned</td>
<td>Unique identifier assigned to an object for an identifier type.</td>
</tr>
<tr>
<td>ProvReference.ProvReferenceID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>ProvReference.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>ProvReference.RefAuthor</td>
<td>Names of authors of reference work.</td>
</tr>
<tr>
<td>ProvReference.RefAuthorRole</td>
<td>Role of authors of reference work (Eds.)</td>
</tr>
<tr>
<td>ProvReference.RefTitle</td>
<td>Title of reference work.</td>
</tr>
<tr>
<td>ProvReference.MonographAuthor</td>
<td>Author names of monograph containing reference work.</td>
</tr>
<tr>
<td>ProvReference.MonographAuthRole</td>
<td>Role of authors of monograph containing reference work (Eds.)</td>
</tr>
<tr>
<td>ProvReference.MonographTitle</td>
<td>Title of monograph containing reference work.</td>
</tr>
<tr>
<td>ProvReference.JournalTitle</td>
<td>Title of journal containing reference work.</td>
</tr>
<tr>
<td>ProvReference.TranslatedTitle</td>
<td>English translation of title if in another language.</td>
</tr>
<tr>
<td>ProvReference.SubsidiaryAuthor</td>
<td>Names of subsidiary authors if author is an institution.</td>
</tr>
<tr>
<td>ProvReference.PublicationPlace</td>
<td>Location where reference work is published.</td>
</tr>
<tr>
<td>ProvReference.Publisher</td>
<td>Name of reference work publisher.</td>
</tr>
<tr>
<td>ProvReference.PublicationDate</td>
<td>Date reference work was published.</td>
</tr>
<tr>
<td>ProvReference.PublicationYear</td>
<td>Year when reference work was published.</td>
</tr>
<tr>
<td>ProvReference.CopyrightDate</td>
<td>Date of copyright for reference work.</td>
</tr>
<tr>
<td>ProvReference.IssueID</td>
<td>Issue identifier of reference work.</td>
</tr>
<tr>
<td>ProvReference.WorkExtent</td>
<td>Total number of pages of reference work.</td>
</tr>
<tr>
<td>ProvReference.PackagingMethod</td>
<td>Public accessibility of</td>
</tr>
<tr>
<td>Property</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>ProvReference.SeriesEditor</td>
<td>Editor of series containing reference work.</td>
</tr>
<tr>
<td>ProvReference.SeriesEditorRole</td>
<td>Role of Editor for series containing reference work.</td>
</tr>
<tr>
<td>ProvReference.SeriesTitle</td>
<td>Title of series containing reference work.</td>
</tr>
<tr>
<td>ProvReference.DocumentType</td>
<td>Type of reference work. Ex: Journal, Book, Proceedings</td>
</tr>
<tr>
<td>ProvReference.URL</td>
<td>URL of text or full reference of reference work.</td>
</tr>
<tr>
<td>ProvReference.Availability</td>
<td>File path or file cabinet if stored, or blank if not available.</td>
</tr>
<tr>
<td>ProvReference.Note</td>
<td>Note about reference work.</td>
</tr>
<tr>
<td>ProvReference.RefAbstract</td>
<td>Abstract of reference work.</td>
</tr>
<tr>
<td>ProvReference.CallNumber</td>
<td>Identifier in classification system (LOC, Dewey, or other).</td>
</tr>
<tr>
<td>ProvReference.ReferenceType</td>
<td>Use of object by reference work. Ex: Report,</td>
</tr>
<tr>
<td>ProvReference.RefCitation</td>
<td>Complete bibliographic reference for reference work.</td>
</tr>
<tr>
<td>ProvReference.RefCitSource</td>
<td>Citation database or service listing reference and date found.</td>
</tr>
<tr>
<td>ProvReference.RefUseRight</td>
<td>Right or permission to use reference work, citation, or abstract.</td>
</tr>
<tr>
<td>ProvReference.RefAccessRight</td>
<td>Right/permission to access or link reference work, citation or abstract.</td>
</tr>
<tr>
<td>ProvReference.DisplayOrder</td>
<td>Order in which reference work will appear in reference list.</td>
</tr>
<tr>
<td>Property.PropertyID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Property.PropertyParentID</td>
<td>Foreign Key, Property Table</td>
</tr>
<tr>
<td>Property.PropertyName</td>
<td>Name of the property describing an object: Ingest Status, Ingest Format Processing, Significant Property, DCMI Type, Document Type, Content Type, Subject, Language. For Ingest Status: Under Development by Creator, Being Prepared for Submission, Received by Archivist, Content Review Pending, Content Under Review by Archivist.</td>
</tr>
<tr>
<td>Property</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Property.PropertyDesc</td>
<td>Description of a property.</td>
</tr>
<tr>
<td>Provenance_Property.ProvenancePropertyID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Provenance_Property.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>Provenance_Property.PropertyID</td>
<td>Foreign Key, Property Table</td>
</tr>
<tr>
<td>Provenance_Property.PPStartDate</td>
<td>Date when property began</td>
</tr>
<tr>
<td>Provenance_Property.PPEndDate</td>
<td>Date when property ended</td>
</tr>
<tr>
<td>Provenance_Property.Note</td>
<td>Note about property as it pertains to a particular provenance.</td>
</tr>
<tr>
<td>Table Name</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>ProvenanceNote.ProvenanceNoteID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>ProvenanceNote.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>ProvenanceNote.NoteText</td>
<td>Note about the provenance of an object.</td>
</tr>
<tr>
<td>ProvenanceNote.PostedBy</td>
<td>Person who posted the note about the provenance of an object.</td>
</tr>
<tr>
<td>ProvenanceNote.PostedOn</td>
<td>Date the note was posted.</td>
</tr>
<tr>
<td>ProvenanceNote.NoteType</td>
<td>Type of provenance note: Accession, Maintenance, Disposition.</td>
</tr>
<tr>
<td>OtherTitle.OtherTitleID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>OtherTitle.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>OtherTitle.TitleType</td>
<td>Alternate Title, Former Title</td>
</tr>
<tr>
<td>OtherTitle.Title</td>
<td>Other title of an object.</td>
</tr>
<tr>
<td>OtherTitle.Note</td>
<td>Note about the other title of an object.</td>
</tr>
<tr>
<td>Person.PersonID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Person.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>Person.PersonOrder</td>
<td>Order in which person will appear in a Person Role list, if sorted.</td>
</tr>
<tr>
<td>Person.FirstName</td>
<td>First name of person.</td>
</tr>
<tr>
<td>Person.LastName</td>
<td>Last name of person.</td>
</tr>
<tr>
<td>Person.Address1</td>
<td>Line 1 of person address.</td>
</tr>
<tr>
<td>Person.Address2</td>
<td>Line 2 of person address.</td>
</tr>
<tr>
<td>Person.City</td>
<td>City of person.</td>
</tr>
<tr>
<td>Person.State</td>
<td>State of person.</td>
</tr>
<tr>
<td>Person.PostalCode</td>
<td>Postal code address for person.</td>
</tr>
<tr>
<td>Person.Phone</td>
<td>Telephone number for person.</td>
</tr>
<tr>
<td>Person.Fax</td>
<td>Fax number for person.</td>
</tr>
<tr>
<td>Person.Email1</td>
<td>Primary e-mail address for person.</td>
</tr>
<tr>
<td>Person.Email2</td>
<td>Second e-mail address for person.</td>
</tr>
<tr>
<td>Person.Note</td>
<td>Note about person.</td>
</tr>
<tr>
<td>Institution.InstitutionID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Institution.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>--------------------------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>Institution.InstitutionRole</td>
<td>Role of institution for object. Originating Organization, Program Support.</td>
</tr>
<tr>
<td>Institution.InstitutionOrder</td>
<td>Order in which the institution will appear on an institution role list if higher priority has been assigned.</td>
</tr>
<tr>
<td>Institution.InstitutionName</td>
<td>Name of institution.</td>
</tr>
<tr>
<td>Institution.Address1</td>
<td>Line 1 of institution address.</td>
</tr>
<tr>
<td>Institution.Address2</td>
<td>Line 2 of institution address.</td>
</tr>
<tr>
<td>Institution.City</td>
<td>City of institution.</td>
</tr>
<tr>
<td>Institution.State</td>
<td>State of institution.</td>
</tr>
<tr>
<td>Institution.PostalCode</td>
<td>Postal code for institution address.</td>
</tr>
<tr>
<td>Institution.Phone</td>
<td>Telephone number for institution.</td>
</tr>
<tr>
<td>Institution.Fax</td>
<td>Fax number for institution.</td>
</tr>
<tr>
<td>Institution.Website</td>
<td>Website URL for institution.</td>
</tr>
<tr>
<td>Institution.Note</td>
<td>Note about institution.</td>
</tr>
<tr>
<td>Document.DocumentID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Document.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>Document.Title</td>
<td>Title of document describing the object.</td>
</tr>
<tr>
<td>Document.ArchivalID</td>
<td>Identifier of the document if recorded as a provenance.</td>
</tr>
<tr>
<td>Document.AccessPoint</td>
<td>URL of access point that disseminates document (http://...; ftp://...).</td>
</tr>
<tr>
<td>Document.FileName</td>
<td>Filename of the document.</td>
</tr>
<tr>
<td>Document.Language</td>
<td>Language in which the document is written: English, Spanish.</td>
</tr>
<tr>
<td>Column Name</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Distributor.DistributorID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Distributor.DistributorName</td>
<td>Name of the service that distributes a dissemination of an object: CIESIN, Columbia Earth Institute, SEDAC, SEDAC LTA.</td>
</tr>
<tr>
<td>Distributor.Address1</td>
<td>Line 1 of distributor address.</td>
</tr>
<tr>
<td>Distributor.Address2</td>
<td>Line 2 of distributor address.</td>
</tr>
<tr>
<td>Distributor.City</td>
<td>City of distributor.</td>
</tr>
<tr>
<td>Distributor.State</td>
<td>State of distributor.</td>
</tr>
<tr>
<td>Distributor.TelePhone</td>
<td>Telephone number of distributor.</td>
</tr>
<tr>
<td>Distributor.Fax</td>
<td>Fax number of distributor.</td>
</tr>
<tr>
<td>Distributor.URL</td>
<td>URL of distributor.</td>
</tr>
<tr>
<td>Distributor.Email</td>
<td>Email address of distributor.</td>
</tr>
<tr>
<td>Distributor.Website</td>
<td>Website of distributor.</td>
</tr>
<tr>
<td>Dissemination.DisseminationID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Dissemination.DistributorID</td>
<td>Foreign Key, Distributor Table</td>
</tr>
<tr>
<td>Dissemination.Medium</td>
<td>Primary data storage medium for distributing object from dissemination service: CD-ROM, DVD, URN, URL, FTP.</td>
</tr>
<tr>
<td>Dissemination.PublicAccessPoint</td>
<td>Primary Access Point for distributing object to the public from dissemination service (http://…; ftp://…).</td>
</tr>
<tr>
<td>Dissemination/InternalLocation</td>
<td>Path and folder name of location from which object is distributed from internal dissemination service.</td>
</tr>
<tr>
<td>Dissemination.DissemSize</td>
<td>Size of object disseminated in Bytes</td>
</tr>
<tr>
<td>Dissemination.StartDate</td>
<td>Date dissemination service began disseminating object.</td>
</tr>
<tr>
<td>Dissemination.EndDate</td>
<td>Date dissemination service discontinued disseminating object.</td>
</tr>
<tr>
<td>Dissemination.DIPDescription</td>
<td>File Inventory of all files included in the Dissemination Information Package (DIP) submitted to dissemination service for distribution.</td>
</tr>
<tr>
<td>Dissemination.DissemCharge</td>
<td>Amount received from dissemination service for distributing object.</td>
</tr>
<tr>
<td>Dissemination.DissemChargeUnit</td>
<td>Monetary unit of DissemCharge.</td>
</tr>
<tr>
<td>Dissemination.OriginalPublisher</td>
<td>Flag indicating that dissemination is by Original Publisher: N, Y.</td>
</tr>
<tr>
<td>Dissemination.PrimaryDistributor</td>
<td>Flag indicating that</td>
</tr>
<tr>
<td><strong>DissemAltPoint</strong></td>
<td><strong>DissemAltPointID</strong></td>
</tr>
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<td>---------------------</td>
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<tr>
<td></td>
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<td><strong>ProvDisseminationID</strong></td>
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<tr>
<td><strong>Catalog</strong></td>
<td><strong>CatalogID</strong></td>
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<tr>
<td></td>
<td><strong>CatalogID</strong></td>
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<td><strong>CatalogID</strong></td>
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<td><strong>CatalogID</strong></td>
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<tr>
<td></td>
<td><strong>CatalogID</strong></td>
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<tr>
<td><strong>CatalogEntry.CatalogEntryID</strong></td>
<td>Database generated, Primary Key.</td>
</tr>
<tr>
<td><strong>CatalogEntry.DisseminationID</strong></td>
<td>Foreign Key, Dissemination Table.</td>
</tr>
<tr>
<td><strong>CatalogEntry.CatalogID</strong></td>
<td>Foreign Key, Catalog Table.</td>
</tr>
<tr>
<td><strong>CatalogEntry.EntryID</strong></td>
<td>Unique Identifier in the catalog for the record describing the object.</td>
</tr>
<tr>
<td><strong>CatalogEntry.Submission</strong></td>
<td>Date description of entry was submitted to a catalog.</td>
</tr>
<tr>
<td><strong>CatalogEntry.StartDate</strong></td>
<td>Date catalog entry was available.</td>
</tr>
<tr>
<td><strong>CatalogEntry.EndDate</strong></td>
<td>Date catalog entry was no longer available.</td>
</tr>
<tr>
<td><strong>CatalogEntry.EntryStatus</strong></td>
<td>Status of catalog entry: None, Partial, Complete, Removed.</td>
</tr>
<tr>
<td><strong>CatalogEntry.EntryDesc</strong></td>
<td>Description of the dissemination included in the fields of the entry.</td>
</tr>
<tr>
<td><strong>CatalogEntry.EntryLastUpdate</strong></td>
<td>Date of the last update to the catalog entry for the object.</td>
</tr>
<tr>
<td><strong>CatalogEntry.Note</strong></td>
<td>Note about the catalog entry for an object.</td>
</tr>
<tr>
<td><strong>Location.LocationID</strong></td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td><strong>Location.LocType</strong></td>
<td>Type of location. Onsite Offline Archive, Offsite Offline Archive, Onsite Processing, Onsite Network, Onsite Storage Shelves.</td>
</tr>
<tr>
<td><strong>Location.LocName</strong></td>
<td>Name of the Location. CIESIN Archival Facility, GISS Computer Room, Geoscience Computer Room, Geoscience Storage Room.</td>
</tr>
<tr>
<td><strong>Location.LocDesc</strong></td>
<td>Description of the archival facilities at the location.</td>
</tr>
<tr>
<td><strong>Location.LocAGENT</strong></td>
<td>Name of the individual responsible for the location.</td>
</tr>
<tr>
<td><strong>LocationParam.LocationParamID</strong></td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td><strong>LocationParam.LocationID</strong></td>
<td>Foreign Key, Location Table</td>
</tr>
<tr>
<td><strong>LocationParam.ParamName</strong></td>
<td>Name of the parameter measured at the location: Temperature, High Temperature, Low Temperature, Humidity, High Humidity, Low Humidity, Inventory, Recovery Test.</td>
</tr>
<tr>
<td><strong>LocationParam.ParamValue</strong></td>
<td>Value of the parameter measured at the location.</td>
</tr>
<tr>
<td><strong>LocationParam.ParamUnit</strong></td>
<td>Unit of measurement for</td>
</tr>
<tr>
<td>Table</td>
<td>Description</td>
</tr>
<tr>
<td>-------</td>
<td>-------------</td>
</tr>
<tr>
<td>LocationParam.ParamDate</td>
<td>Date and time of measurement.</td>
</tr>
<tr>
<td>LocationParam.ParamNote</td>
<td>Note on instrument or parameter measured.</td>
</tr>
<tr>
<td>Media.MediaID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Media.MediaBrand</td>
<td>Brand of the media: TDK 700 MB 48x Data CD-R.</td>
</tr>
<tr>
<td>Media.MediaPurchaseDate</td>
<td>Date the media was purchased.</td>
</tr>
<tr>
<td>Media.Note</td>
<td>Note about the media.</td>
</tr>
<tr>
<td>Media_Location.LocationID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Media_Location.MediaID</td>
<td>Foreign Key, Media Table</td>
</tr>
<tr>
<td>Media_Location.DepositedOn</td>
<td>Date the archival media was deposited at the location.</td>
</tr>
<tr>
<td>Media_Location.RemovedOn</td>
<td>Date the archival media was removed from the location.</td>
</tr>
<tr>
<td>Media_Location.Note</td>
<td>Note about the archival media housed at a location.</td>
</tr>
<tr>
<td>Event.EventID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Event.MediaID</td>
<td>Foreign Key, Media Table</td>
</tr>
<tr>
<td>Event.Designation</td>
<td>Name of the event: Deposit, Inventory, Audit, Inspection, Virus Check, Media Write, Quality Check, Format Conversion, Removal, Check Out, Bring Forward, Media Request, Media Destruction.</td>
</tr>
<tr>
<td>Event.Procedure</td>
<td>Procedure completed on media during an event.</td>
</tr>
<tr>
<td>Event.Location</td>
<td>Location where the event occurred.</td>
</tr>
<tr>
<td>Event.EventDate</td>
<td>Date and time of event.</td>
</tr>
<tr>
<td>Event.Outcome</td>
<td>Description of the event outcome.</td>
</tr>
<tr>
<td>Event.Note</td>
<td>Note about the event.</td>
</tr>
<tr>
<td>Event.ResponsiblePerson</td>
<td>Individual responsible for the event.</td>
</tr>
<tr>
<td>Event.RetrievalRecipient</td>
<td>Individual who received the media.</td>
</tr>
<tr>
<td>Event.RetrievalRequestor</td>
<td>Individual who requested the media.</td>
</tr>
<tr>
<td>ProvenanceMedia.ProvenanceMediaID</td>
<td>Database generated,</td>
</tr>
<tr>
<td><strong>Primary Key</strong></td>
<td><strong>ProvenanceMedia.ProvenanceID</strong></td>
</tr>
<tr>
<td>---------------------------------------------------------------------------------</td>
<td>---------------------------------</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.MediaID</strong></td>
<td>Foreign Key, Media Table</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.RootPath</strong></td>
<td>Path and directory of the object on the media.</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.WriteDate</strong></td>
<td>Date the object was written on the media.</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.DeleteDate</strong></td>
<td>Date the object was deleted from the media.</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.ValidationProc</strong></td>
<td>Signature type used to generate validation key: MD5, SHA-1.</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.KeyCreationDate</strong></td>
<td>Date validation key was generated.</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.Result</strong></td>
<td>Hash value, filename, or path and filename of stored validation signature.</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.LastCheckDate</strong></td>
<td>Date validation key generated and compared with original.</td>
</tr>
<tr>
<td><strong>ProvenanceMedia.NextCheckDate</strong></td>
<td>Date scheduled for validation key comparison.</td>
</tr>
<tr>
<td><strong>DataFile.DataFileID</strong></td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td><strong>DataFile.ProvenanceMediaID</strong></td>
<td>Foreign Key, ProvenanceMedia Table</td>
</tr>
<tr>
<td><strong>DataFile.FileName</strong></td>
<td>Name of the file including its extension.</td>
</tr>
<tr>
<td><strong>DataFile.FileSize</strong></td>
<td>Size of the file in bytes.</td>
</tr>
<tr>
<td><strong>DataFile.ContentType</strong></td>
<td>Type of content in the file: Data, Documentation, Permission, Startup.</td>
</tr>
<tr>
<td><strong>DataFile.MarkupType</strong></td>
<td>Type of markup used to encode contents of file: HTML, SGML, XML.</td>
</tr>
<tr>
<td><strong>DataFile.MarkupName</strong></td>
<td>Name of schema and version employed for the MarkupType: TEI DTD, W3C XML.</td>
</tr>
<tr>
<td><strong>DataFile.MarkupSchema</strong></td>
<td>Contents of schema used for the Markup Type.</td>
</tr>
<tr>
<td><strong>DataFile.FileAccessRight</strong></td>
<td>Access rights or limitations specific to file: Universal Access -unrestricted, Research Use Only, Educational Use Only, Research and Educational Use Only, Non-Commercial Use Only, On-Site Use Only, Signed Confidentiality Agreement Only, Staff Only, Staff Addresses Only, Licensees Only, Domestic IP Addresses Only, No</td>
</tr>
</tbody>
</table>

1. Persistent Identifier (File)
2. Intention Type (Object)
12. Validation (Object)
<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>DataFile.ExpofAccessRight</td>
<td>Date access rights or restrictions specific to file expire.</td>
<td></td>
</tr>
<tr>
<td>DataFile.PresrvRestrictn</td>
<td>Preservation rights or limitations for preserving file.</td>
<td>11.</td>
</tr>
<tr>
<td>DataFile.EncryptionInfo</td>
<td>Description of encryption employed on file.</td>
<td>9.</td>
</tr>
<tr>
<td>DataFile.AccessInhibitors</td>
<td>Inhibitors to access inherent to the file: Password protection, AAA watermark.</td>
<td>9.</td>
</tr>
<tr>
<td>DataFile.FileType</td>
<td>MIME Media Type for file in format Content Type/Subtype: application/pdf, audio/mpeg, image/tiff, message/http, model/vrml, multipart/signed, text/html, video/mpeg.</td>
<td>3.</td>
</tr>
<tr>
<td>DataFile.FileVersion</td>
<td>Version of the MIME Media Type.</td>
<td></td>
</tr>
<tr>
<td>DataFile.FormatRegistry</td>
<td>Registry to identify the software program used to create or view the file: Pronom.</td>
<td></td>
</tr>
<tr>
<td>DataFile.RegistryEntry</td>
<td>Entry in the Format Registry for the file format.</td>
<td></td>
</tr>
<tr>
<td>DataFile.DateModified</td>
<td>Last date and time when file was written or modified.</td>
<td>2.</td>
</tr>
<tr>
<td>DataFile.PresrvFormat</td>
<td>File format is a preservation format: y, n.</td>
<td></td>
</tr>
<tr>
<td>DataFile.AltFormat</td>
<td>Alternate or derivative formats that contain contents of file: txt, csv, pdf.</td>
<td></td>
</tr>
<tr>
<td>DataFile.OriginalFileID</td>
<td>Foreign key to DataFile.DataFileID. DataFileID for original file from which the file is a derivative.</td>
<td></td>
</tr>
<tr>
<td>DataFile.OriginalFileName</td>
<td>Filename (and extension) for the original source file from which the file described is a derivative.</td>
<td>13.</td>
</tr>
<tr>
<td>DataFile.Creation</td>
<td>Description of the file creation, coded to record file history: Original file received, Migrated file, Archive generated file.</td>
<td>23.</td>
</tr>
<tr>
<td>DataFile.History</td>
<td>Description of file history, coded string to record file history: O = Original file received, M = Migrated file, A = Archive generated file, MMO = Migrated file from</td>
<td></td>
</tr>
<tr>
<td><strong>DataFile.RefreshDate</strong></td>
<td>Last date and time file was written to any media.</td>
<td></td>
</tr>
<tr>
<td>--------------------------</td>
<td>--------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td><strong>DataFile.AccessStartDate</strong></td>
<td>Date when access to file may be granted.</td>
<td></td>
</tr>
<tr>
<td><strong>DataFile.AccessEndDate</strong></td>
<td>Date when access to file ends.</td>
<td></td>
</tr>
<tr>
<td><strong>DataFile.DeaccessionDate</strong></td>
<td>Date when file was deaccessioned from archive.</td>
<td></td>
</tr>
<tr>
<td><strong>FilePart.FilePartID</strong></td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td><strong>FilePart.DataFileID</strong></td>
<td>Foreign Key, DataFile Table</td>
<td></td>
</tr>
<tr>
<td><strong>FilePart.FilePartType</strong></td>
<td>Type of FilePart: Table, Screenshot, Thumbnail Image, Page Image, Annotation, Mask, Metadata Text.</td>
<td></td>
</tr>
<tr>
<td><strong>FilePart.FilePartLoc</strong></td>
<td>Location or address of FilePart within the file: Unknown.</td>
<td></td>
</tr>
<tr>
<td><strong>FilePart.FilePartDesc</strong></td>
<td>Description of FilePart differentiated from file.</td>
<td></td>
</tr>
<tr>
<td><strong>Environment.EnvironmentID</strong></td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td><strong>Environment.DataFileID</strong></td>
<td>Foreign Key, DataFile Table</td>
<td></td>
</tr>
<tr>
<td><strong>Environment.EnvironmentType</strong></td>
<td>Type of environment required for data file: Rendering Software, Display Application, Operating System, Middleware, Hardware CPU, Hardware Peripherals.</td>
<td></td>
</tr>
<tr>
<td><strong>Environment.Title</strong></td>
<td>Title of environment software or hardware required.</td>
<td></td>
</tr>
<tr>
<td><strong>Environment.Description</strong></td>
<td>Description of implementation environment for data file.</td>
<td></td>
</tr>
<tr>
<td><strong>Environment.Documentation</strong></td>
<td>Documentation for the implementation environment.</td>
<td></td>
</tr>
<tr>
<td><strong>Environment.ExpiryDate</strong></td>
<td>Date environment is scheduled to expire or be replaced.</td>
<td></td>
</tr>
<tr>
<td><strong>AccessRestriction.AccessRestrictionID</strong></td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td><strong>AccessRestriction.ProvenanceID</strong></td>
<td>Foreign Key, Provenance Table</td>
<td></td>
</tr>
<tr>
<td><strong>AccessRestriction.AccessRestriction</strong></td>
<td>Security category or type of restriction: Onsite Use Only - Confidential Data- No Copying, Permission from Project Director Required, Confidentiality Agreement Required - No Copying or</td>
<td></td>
</tr>
<tr>
<td>AccessRestriction.AccessRestrictionDesc</td>
<td>Description of restriction on access to object.</td>
<td></td>
</tr>
<tr>
<td>----------------------------------------</td>
<td>------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>AccessRestriction.CurrentDeclaration</td>
<td>Confidentiality agreement or user agreement on restriction.</td>
<td></td>
</tr>
<tr>
<td>AccessRestriction.SecurityNote</td>
<td>Note about the security restriction on object.</td>
<td></td>
</tr>
<tr>
<td>AccessRestriction.SecurityReviewDate</td>
<td>Date security restriction is scheduled for review.</td>
<td></td>
</tr>
<tr>
<td>AccessRestriction.ARStartDate</td>
<td>Date access restriction on object begins.</td>
<td></td>
</tr>
<tr>
<td>AccessRestriction.AREndDate</td>
<td>Date access restriction on object ends.</td>
<td></td>
</tr>
<tr>
<td>Decision.DecisionID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Decision.DecisionType</td>
<td>Type of Decision: Acquisition, Nomination for Dissemination, Nomination for Deaccession, Nomination for Transfer, Nomination for Accession, Dissemination, Disposition, Transfer, Provisional Use, Beta System Dissemination; Production System Dissemination.</td>
<td></td>
</tr>
<tr>
<td>Decision.Decision</td>
<td>Decision about an object for a Decision Type. For Preservation Service: Preserve content, Preserve Original Formats; For SEDAC: Disseminate, Ancillary Product, Transfer to LTA; For SEDAC Acquisition: redistributed 3rd party data, value-added 3rd party data, SEDAC-developed; For LTA: Public Dissemination, Restricted Dissemination; (Others Considered: Under Review, Disseminate, Delete, Remove) The following 7 categories are not mutually exclusive: Delete; Retire; Long-Term Archive; Archive, But Not 18. Archiving Decision (Object Manifestation)</td>
<td></td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Decision.MeetingDate</td>
<td>Date when the decision was made.</td>
<td></td>
</tr>
<tr>
<td>Decision.DecisionActiveDate</td>
<td>Date on which the decision is implemented.</td>
<td></td>
</tr>
<tr>
<td>Decision.Authority</td>
<td>Authority deciding the status of an object within the archive: CIESIN Director, CIESIN Deputy Director, CIESIN Associate Director for IS, SEDAC UWG, SEDAC Project Manager, SEDAC Lead Project Scientist, SEDAC Archives Manager, SEDAC Archivist, LTA Board, LTA Manager, LTA Archivist.</td>
<td></td>
</tr>
<tr>
<td>Decision.Note</td>
<td>Note of Rationale or Justification for making the decision.</td>
<td></td>
</tr>
<tr>
<td>ProvenanceDecision.ProvenanceDecisionID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>ProvenanceDecision.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
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</tr>
<tr>
<td>ProvenanceDecision.DecisionID</td>
<td>Foreign Key, Decision Table</td>
<td></td>
</tr>
<tr>
<td>ProvenanceDecision.Note</td>
<td>Note about the decision in reference to a specific provenance.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.RightOwnerID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>RightOwner.Entity</td>
<td>Organization that owns right for an object or Public Domain.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.Signator</td>
<td>Person who signed document authorizing a right for an object.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.SignatorTitle</td>
<td>Title of signer authorizing a right for an object.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.SigContactInfo</td>
<td>Contact information for signer authorizing a right for an object.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.Address1</td>
<td>Line 1 of right owner address.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.Address2</td>
<td>Line 2 of right owner address.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.City</td>
<td>City of right owner.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.State</td>
<td>State of right owner.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.Country</td>
<td>Country of right owner.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.PostalCode</td>
<td>Postal code for right owner.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.Telephone</td>
<td>Telephone number for right owner.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.Fax</td>
<td>Fax number for right owner.</td>
<td></td>
</tr>
<tr>
<td>RightOwner.Email</td>
<td>E-mail for right owner.</td>
<td></td>
</tr>
<tr>
<td><strong>RightOwner.Website</strong></td>
<td>URL of right owner website.</td>
<td></td>
</tr>
<tr>
<td>-------------------------</td>
<td>-----------------------------</td>
<td></td>
</tr>
<tr>
<td><strong>RightOwner.Note</strong></td>
<td>Note about right owner.</td>
<td></td>
</tr>
<tr>
<td><strong>Right.RightID</strong></td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td><strong>Right.RightType</strong></td>
<td>Type of right held: copyright, license, public domain, contract, Permission</td>
<td></td>
</tr>
<tr>
<td><strong>Right.RightName</strong></td>
<td>Distribution Right, Usage Right, Preservation Right, Access Right, Print Right</td>
<td></td>
</tr>
<tr>
<td><strong>Right.RightDesc</strong></td>
<td>Description of the right and intellectual property restrictions or obligations.</td>
<td></td>
</tr>
<tr>
<td><strong>Right.Note</strong></td>
<td>Note on rights for object.</td>
<td></td>
</tr>
<tr>
<td><strong>RightHeld.RightHeldID</strong></td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td><strong>RightHeld.RightOwnerID</strong></td>
<td>Foreign Key, RightOwner Table</td>
<td></td>
</tr>
<tr>
<td><strong>RightHeld.ProvenanceID</strong></td>
<td>Foreign Key, Provenance Table</td>
<td></td>
</tr>
<tr>
<td><strong>RightHeld.RightID</strong></td>
<td>Foreign Key, Right Table</td>
<td></td>
</tr>
<tr>
<td><strong>RightHeld.RightOrigination</strong></td>
<td>Right granted to others or received from owner: Granted, Received</td>
<td></td>
</tr>
<tr>
<td><strong>RightHeld.CurDeclaration</strong></td>
<td>Content of license, contract, or permission statement.</td>
<td></td>
</tr>
<tr>
<td><strong>RightHeld.RightDocFile</strong></td>
<td>Filename and directory path of the digital (or scanned) document that authorizes rights for an object.</td>
<td></td>
</tr>
<tr>
<td><strong>RightHeld.RightDocLoc</strong></td>
<td>Location of original printed license, contract, or permission document: Onsite Archive, Offsite Archive, Storeroom, Not Printed</td>
<td></td>
</tr>
<tr>
<td><strong>RightHeld.BeginDate</strong></td>
<td>Date of execution for rights held or date of contract if not specified.</td>
<td></td>
</tr>
<tr>
<td><strong>RightHeld.ExpiryDate</strong></td>
<td>Date of expiration for rights held or null if no expiration date.</td>
<td></td>
</tr>
<tr>
<td><strong>RightHeld.Receiver</strong></td>
<td>Person who signed document (or agreed to conditions) and is authorized to acquire or use object.</td>
<td></td>
</tr>
<tr>
<td><strong>RightHeld.Cost</strong></td>
<td>Cost to acquire object or rights to object.</td>
<td></td>
</tr>
<tr>
<td><strong>RightHeld.CostUnit</strong></td>
<td>Monetary unit for cost to acquire object or rights to object.</td>
<td></td>
</tr>
<tr>
<td><strong>RightHeld.Note</strong></td>
<td>Note on right held for an object.</td>
<td></td>
</tr>
<tr>
<td><strong>RightHeld.RightBrief</strong></td>
<td>Brief description of right held and intended usage group or purpose: Use and distribute freely, Use and</td>
<td></td>
</tr>
<tr>
<td>RightHeld.Request</td>
<td>Request for rights, including the reason to justify authorization.</td>
<td></td>
</tr>
</tbody>
</table>
Crosswalk:

Object (1), Process (2), File (3), Metadata Modification (4)

<table>
<thead>
<tr>
<th>Field</th>
<th>Definition</th>
<th>NLNZ PM Element</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collection.CollectionID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Collection.Title</td>
<td>Title for a Collection: CIESIN Archive, SEDAC Scientific Data Archives, specific project Archive.</td>
<td></td>
</tr>
<tr>
<td>Collection.Description</td>
<td>Description of the collection and keywords.</td>
<td></td>
</tr>
<tr>
<td>Collection.AccessReqmnt</td>
<td>Requirements for accessing the collection: Object Specific Requirements, CMB Approval, Systems Manager Approval.</td>
<td></td>
</tr>
<tr>
<td>Collection.InstallReqmnt</td>
<td>Requirements for installation of collection</td>
<td></td>
</tr>
<tr>
<td>Collection.SizeReqmnt</td>
<td>Storage volume requirement for collection, automatically calculated.</td>
<td></td>
</tr>
<tr>
<td>Collection.AccessInhibitor</td>
<td>Method(s) employed to inhibit access to collection that could affect preservation, such as encryption or watermarking.</td>
<td></td>
</tr>
<tr>
<td>Collection.FindingAid</td>
<td>Method used to facilitate discovery of collection.</td>
<td></td>
</tr>
<tr>
<td>Collection.PresrvPermission</td>
<td>Statement of permission to copy collection or migrate to various formats for preservation.</td>
<td></td>
</tr>
<tr>
<td>Collection.RelationDesc</td>
<td>Description of relationships, relevant for preservation, between collection and other objects or collections.</td>
<td></td>
</tr>
<tr>
<td>Collection.Quirk</td>
<td>Characteristic that could degrade functionality or aspects of the collection.</td>
<td></td>
</tr>
<tr>
<td>Collection.Purpose</td>
<td>Purpose and reason for archiving the collection: Funding Agency Requirement; Scientific Value; Historical value; Fiduciary responsibility.</td>
<td></td>
</tr>
<tr>
<td>Collection.DecisionDate</td>
<td>Date of decision to archive the collection.</td>
<td></td>
</tr>
<tr>
<td>Collection.AccessStartDate</td>
<td>Date access was provided to collection.</td>
<td></td>
</tr>
<tr>
<td>Collection.AccessEndDate</td>
<td>Date when access to collection ended.</td>
<td></td>
</tr>
<tr>
<td>Collection.DeaccessionDate</td>
<td>Date collection is deaccessioned by archive.</td>
<td></td>
</tr>
<tr>
<td>Collection.Note</td>
<td>Notes about collection.</td>
<td></td>
</tr>
<tr>
<td>-----------------</td>
<td>-------------------------</td>
<td></td>
</tr>
<tr>
<td>Series.SeriesID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Series.CollectionID</td>
<td>Foreign Key, Collection Table</td>
<td></td>
</tr>
<tr>
<td>Series.Title</td>
<td>Title of a record series category within a Collection: CIESIN Administrative Records, CIESIN Records Common to All Projects, CIESIN Scientific Data, SEDAC Operations Records, SEDAC Active Archive, SEDAC Long-Term Archive.</td>
<td></td>
</tr>
<tr>
<td>Series.Description</td>
<td>Description of the series.</td>
<td></td>
</tr>
<tr>
<td>Series.VRIndicator</td>
<td>Category of vital records, if applicable, for the series: Non-Vital Records, Emergency - Operating Records, Legal or Financial Rights, Emergency and Rights Records.</td>
<td></td>
</tr>
<tr>
<td>Series.VRReviewDate</td>
<td>Date of next review of vital records in series.</td>
<td></td>
</tr>
<tr>
<td>Series.Activity</td>
<td>Level of use for series, assignment based on SeriesActivity.</td>
<td></td>
</tr>
<tr>
<td>Series.ActivityDate</td>
<td>Date when activity for the series was reviewed and assigned.</td>
<td></td>
</tr>
<tr>
<td>Series.CutoffDate</td>
<td>Date to cutoff records in series.</td>
<td></td>
</tr>
<tr>
<td>Series.AnnualAccum</td>
<td>Estimate of annual accumulation of records in series.</td>
<td></td>
</tr>
<tr>
<td>Series.AccessStartDate</td>
<td>Date when access to series began.</td>
<td></td>
</tr>
<tr>
<td>Series.EndDate</td>
<td>Date when access to series ended.</td>
<td></td>
</tr>
<tr>
<td>Series.DeaccessionDate</td>
<td>Date of deaccession for all records in series.</td>
<td></td>
</tr>
<tr>
<td>Series.Note</td>
<td>Notes about the series.</td>
<td></td>
</tr>
<tr>
<td>SeriesActivity.SeriesActivityID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>SeriesActivity.SeriesID</td>
<td>Foreign Key, Series Table.</td>
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<tr>
<td>SeriesActivity.PeriodStartDate</td>
<td>Date series activity period</td>
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<tr>
<td>Field</td>
<td>Description</td>
<td></td>
</tr>
<tr>
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</tr>
<tr>
<td>SeriesActivity.PeriodEndDate</td>
<td>Date series activity period ended.</td>
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</tr>
<tr>
<td>SeriesActivity.UniqueUserCnt</td>
<td>Number of unique users of series during period.</td>
<td></td>
</tr>
<tr>
<td>SeriesActivity.TotalUserCnt</td>
<td>Total number of users of series during period.</td>
<td></td>
</tr>
<tr>
<td>SeriesActivity.Note</td>
<td>Notes about series activity for a given period.</td>
<td></td>
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<tr>
<td>Aggregate.AggregateID</td>
<td>Database generated, Primary Key</td>
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</tr>
<tr>
<td>Aggregate.SeriesID</td>
<td>Foreign Key, Series Table</td>
<td></td>
</tr>
<tr>
<td>Aggregate.Title</td>
<td>Title of Aggregate category assignment. For SEDAC Scientific Data Series mission areas: PLUE, ENTRI, EH, MVA, HVA, AFS, ES, EX, IG.</td>
<td></td>
</tr>
<tr>
<td>Aggregate.AccessStartDate</td>
<td>Date access to aggregate began.</td>
<td></td>
</tr>
<tr>
<td>Aggregate.AccessEndDate</td>
<td>Date when access to aggregate ended.</td>
<td></td>
</tr>
<tr>
<td>Aggregate.DeaccessionDate</td>
<td>Date of deaccession for all records in aggregate.</td>
<td></td>
</tr>
<tr>
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<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Provenance.AggregateID</td>
<td>Foreign Key, Aggregate Table</td>
<td></td>
</tr>
<tr>
<td>Provenance.Origin</td>
<td>Description of the creation process of the object.</td>
<td></td>
</tr>
<tr>
<td>Provenance.Title</td>
<td>Formal Title that identifies or describes the object.</td>
<td></td>
</tr>
<tr>
<td>Provenance.Version</td>
<td>Identification to differentiate object from other versions.</td>
<td></td>
</tr>
<tr>
<td>Provenance.PreIngest</td>
<td>Description of pre-ingest processing and custody of object.</td>
<td></td>
</tr>
<tr>
<td>Provenance.CreationDate</td>
<td>Date object was completed by Author.</td>
<td></td>
</tr>
<tr>
<td>Provenance.SubmissionDate</td>
<td>Date object was submitted to the archive for ingest.</td>
<td></td>
</tr>
<tr>
<td>Provenance.Citation</td>
<td>Complete citation for object.</td>
<td></td>
</tr>
<tr>
<td>Provenance.DesignatedCommunity</td>
<td>Description of designated community of users, potential users, or audience for the object: Human interactions in the environment community, Decision-maker, Learner, Manager, Scientist, Teacher.</td>
<td></td>
</tr>
<tr>
<td>Provenance.ReqdPreservationService</td>
<td>Level of preservation service or preservation plan requested by submitter or data provider: Preserve Original Formats; Preserve Content in Supported Formats.</td>
<td></td>
</tr>
<tr>
<td>Provenance.ReqdDisseminatnService</td>
<td>Level of dissemination</td>
<td></td>
</tr>
<tr>
<td>Provenance.Attribute</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>----------------------</td>
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<td></td>
</tr>
<tr>
<td>Provenance.ReasonForCreation</td>
<td>Reason or purpose for creating the described object.</td>
<td></td>
</tr>
<tr>
<td>Provenance.CustodyHistory</td>
<td>Chain of custody of object prior to ingest into archive.</td>
<td></td>
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<tr>
<td>Provenance.ReasonForPreservation</td>
<td>Justification for selecting object for preservation in archive.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AcquisitionDate</td>
<td>Date original object was acquired by archive.</td>
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</tr>
<tr>
<td>Provenance.AcquisitionVolume</td>
<td>Volume of original object acquired by archive.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AcquisitionFileInventory</td>
<td>List of all files in original object acquired by archive.</td>
<td></td>
</tr>
<tr>
<td>Provenance.ReceivedDate</td>
<td>Date object received by the Archivist.</td>
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</tr>
<tr>
<td>Provenance.DeaccessionDate</td>
<td>Date the object was deaccessioned from archive.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AIPVolume</td>
<td>Total Size of the Archival Information Package created by the archive to preserve the Content Information and Associated Material</td>
<td></td>
</tr>
<tr>
<td>Provenance.ContentInformationSize</td>
<td>Size of Content Information of the Archival Information Package in Bytes.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AssociatedMaterialSize</td>
<td>Size of material associated with the Content Information of the AIP in Bytes.</td>
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</tr>
<tr>
<td>Provenance.Functionality</td>
<td>Description of any functional characteristics of the object.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AIPFileInventory</td>
<td>List of all filenames and sizes organized by the directory structure.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AIPDataDictionary</td>
<td>List of each filename in object with title of document or description for each file, including alternate formats.</td>
<td></td>
</tr>
<tr>
<td>Provenance.AIP</td>
<td>All the files within their preservation structure, containing Content Information and Associated Information that has been transformed by the Archive for preservation (location in system if dbms is part of the repository).</td>
<td></td>
</tr>
<tr>
<td>Provenance.AIPCreationDate</td>
<td>Date archive created Preservation Master for Archival Information Package.</td>
<td></td>
</tr>
</tbody>
</table>
| Provenance.ReceivedSIP | All of the files (within their
original structure) received from the provider in the Submission Information Package (SIP) containing the Content Information and all Associated Information for the original object acquired (stored in system if dbms is part of the repository).

<table>
<thead>
<tr>
<th>Provenance.Provenance</th>
<th>All of the files (within their preservation structure), containing the Content Information and the Associated Information that have been prepared by the Archive for submission to another Archive or Collection (stored in system if dbms is part of the repository).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provenance.PermRecordIndicator</td>
<td>Indicator that the record is a Permanent Record: N, Y.</td>
</tr>
<tr>
<td>Provenance.RecordCondition</td>
<td>Condition of record. 1.15 Quirks</td>
</tr>
<tr>
<td>Provenance.Description</td>
<td>Description of the intellectual content of the object.</td>
</tr>
<tr>
<td>Provenance.Methodology</td>
<td>Instruments and techniques used to create the data.</td>
</tr>
<tr>
<td>Provenance.Variable</td>
<td>Variables, layouts, and codes used to describe the data.</td>
</tr>
<tr>
<td>Provenance.SpatialCoverageDesc</td>
<td>Political or geographical description of spatial coverage.</td>
</tr>
<tr>
<td>Provenance.SpatialCoverageNote</td>
<td>Latitude and longitude covered, if available.</td>
</tr>
<tr>
<td>Provenance.SpatialResolution</td>
<td>Spatial Resolution.</td>
</tr>
<tr>
<td>Provenance.SpatialResolutionNote</td>
<td>Notes on the spatial resolution of the object.</td>
</tr>
<tr>
<td>Provenance.SRS</td>
<td>Spatial Reference System used for spatial resolution.</td>
</tr>
<tr>
<td>Provenance.BBoxMinX</td>
<td>Minimum X Coordinate (Longitude) for the Bounding Box.</td>
</tr>
<tr>
<td>Provenance.BBoxMinY</td>
<td>Minimum Y Coordinate (Latitude) for the Bounding Box.</td>
</tr>
<tr>
<td>Provenance.BBoxMaxX</td>
<td>Maximum X Coordinate (Longitude) for the Bounding Box.</td>
</tr>
<tr>
<td>Provenance.BBoxMaxY</td>
<td>Maximum Y Coordinate (Latitude) for the Bounding Box.</td>
</tr>
<tr>
<td>Provenance.SpatialCoverage</td>
<td>If database supports native</td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------------</td>
<td>-----------------------------------------------------------------------------</td>
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<tr>
<td>Retention.RetentionID</td>
<td>Database generated, Primary Key</td>
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<tr>
<td>Retention.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>Retention.SeriesID</td>
<td>Foreign Key, Series Table</td>
</tr>
<tr>
<td>Retention.Instruction</td>
<td>Instructions for retention or disposition of record or series: Review every Five Years, Retain Indefinitely, Freeze, Transfer to LTA, Retire, Destroy.</td>
</tr>
<tr>
<td>Retention.InstructionReason</td>
<td>Justification for retention instructions on record or series.</td>
</tr>
<tr>
<td>Retention.InstrctnDate</td>
<td>Date instructions were decided for record or series.</td>
</tr>
<tr>
<td>Retention.InstrctnActDate</td>
<td>Date instructions are to be executed for record or series.</td>
</tr>
<tr>
<td>Retention.ScheduleDate</td>
<td>Date record or series will be reviewed.</td>
</tr>
<tr>
<td>Retention.Authority</td>
<td>Name of individual or group deciding on instructions for record or series: SEDAC UWG, LTA Board.</td>
</tr>
<tr>
<td>TemporalData.TemporalDataID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>TemporalData.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>TemporalData.TCovPrecision</td>
<td>Precision of data used to describe temporal coverage: Year, Month, Day.</td>
</tr>
<tr>
<td>TemporalData.TCovStart</td>
<td>Start date for data collection.</td>
</tr>
<tr>
<td>TemporalData.TCovEnd</td>
<td>End date for data collection.</td>
</tr>
<tr>
<td>TemporalData.TCovProjectionTo</td>
<td>Date of temporal coverage projection to a future date.</td>
</tr>
<tr>
<td>TemporalData.TresDescription</td>
<td>Description of temporal resolution, time intervals between successive observations, frequency of granule production.</td>
</tr>
<tr>
<td>Relationship.FromProvenancID</td>
<td>Foreign Key, Provenance Table, part of Primary Key</td>
</tr>
<tr>
<td>Relationship.ToProvenanceID</td>
<td>Foreign Key, Provenance Table, part of Primary Key</td>
</tr>
<tr>
<td>Relationship.RelationStartDate</td>
<td>Date relationship began.</td>
</tr>
<tr>
<td>Relationship.RelationEndDate</td>
<td>Date relationship ended.</td>
</tr>
<tr>
<td>Relationship.Note</td>
<td>Note about the relationship.</td>
</tr>
</tbody>
</table>

<p>| Identification.IdentificationID | Database generated, Primary Key |
| Identification.ProvenanceID | Foreign Key, Provenance Table |
| Identification.IdentifierType | Type of identifier for which the object has been assigned a unique ID: Global Identifier, TDB ID, UMDB Rec #, DOI, ISBN. |
| Identification.IdentifierAssigned | Unique Identifier assigned to an object for an identifier type. |
| ProvReference.ProvReferenceID | Database generated, Primary Key |
| ProvReference.ProvenanceID | Foreign Key, Provenance Table |
| ProvReference.RefAuthor | Names of authors of reference work. |
| ProvReference.RefAuthorRole | Role of authors of reference work (Eds.) |
| ProvReference.RefTitle | Title of reference work. |
| ProvReference.MonographAuthor | Author names of monograph containing reference work. |
| ProvReference.MonographAuthRole | Role of authors of monograph containing reference work (Eds.) |
| ProvReference.MonographTitle | Title of monograph containing reference work. |
| ProvReference.JournalTitle | Title of journal containing reference work. |
| ProvReference.TranslatedTitle | English translation of title if in another language. |
| ProvReference.SubsidiaryAuthor | Names of subsidiary authors if author is an institution. |
| ProvReference.PublicationPlace | Location where reference work is published. |
| ProvReference.Publisher | Name of reference work publisher. |
| ProvReference.PublicationDate | Date reference work was published. |
| ProvReference.PublicationYear | Year when reference work was published. |
| ProvReference.CopyrightDate | Date of copyright for reference work. |
| ProvReference.IssueID | Issue identifier of reference work. |</p>
<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>ProvReference.WorkExtent</td>
<td>Total number of pages of reference work.</td>
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<tr>
<td>ProvReference.PackagingMethod</td>
<td>Public accessibility of reference work.</td>
</tr>
<tr>
<td>ProvReference.SeriesEditor</td>
<td>Editor of series containing reference work.</td>
</tr>
<tr>
<td>ProvReference.SeriesEditorRole</td>
<td>Role of Editor for series containing reference work.</td>
</tr>
<tr>
<td>ProvReference.SeriesTitle</td>
<td>Title of series containing reference work.</td>
</tr>
<tr>
<td>ProvReference.DocumentType</td>
<td>Type of reference work. Ex: Journal, Book, Proceedings</td>
</tr>
<tr>
<td>ProvReference.URL</td>
<td>URL of text or full reference of reference work.</td>
</tr>
<tr>
<td>ProvReference.Availability</td>
<td>File path or file cabinet if stored, or blank if not available.</td>
</tr>
<tr>
<td>ProvReference.Note</td>
<td>Note about reference work.</td>
</tr>
<tr>
<td>ProvReference.RefAbstract</td>
<td>Abstract of reference work.</td>
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<tr>
<td>ProvReference.CallNumber</td>
<td>Identifier in classification system (LOC, Dewey, or other).</td>
</tr>
<tr>
<td>ProvReference.ReferenceType</td>
<td>Use of object by reference work. Ex: Report,</td>
</tr>
<tr>
<td>ProvReference.RefCitation</td>
<td>Complete bibliographic reference for reference work.</td>
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<tr>
<td>ProvReference.RefCitSource</td>
<td>Citation database or service listing reference and date found.</td>
</tr>
<tr>
<td>ProvReference.RefUseRight</td>
<td>Right or permission to use reference work, citation, or abstract.</td>
</tr>
<tr>
<td>ProvReference.RefAccessRight</td>
<td>Right/permission to access or link reference work, citation or abstract.</td>
</tr>
<tr>
<td>ProvReference.DisplayOrder</td>
<td>Order in which reference work will appear in reference list.</td>
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<tr>
<td>Property.PropertyID</td>
<td>Database generated, Primary Key</td>
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<tr>
<td>Property.PropertyParentID</td>
<td>Foreign Key, Property Table</td>
</tr>
<tr>
<td>Property.PropertyName</td>
<td>Name of the property describing an object: Ingest Status, Ingest Format Processing, Significant Property, DCMI Type, Document Type, Content Type, Subject, Language. For Ingest Status: Under Development by Creator, Being Prepared for Submission, Received by</td>
</tr>
</tbody>
</table>
Archivist, Content Review Pending, Content Under Review by Archivist, Content Review Complete, Description Pending, Description Under Review, Description Complete, DOI Assigned, Quality Review Pending, Quality Review Complete, Failed Content Quality Review, Rejected - Data Returned to Creator, Ingested, Destroyed; For Ingest Format Processing: All files Ingested in Supported Formats, Original Non-Supported Formats Only, Original formats and All Files Migrated to Supported Formats; For Significant Properties: Intellectual Content of Text, intellectual content of image; For DCMI Type: Collection, Dataset, Event, Image, Interactive Resource, Moving Image, Physical Object, Service, Software, Sound, Still Image; For Document Type (ISO 19115 Document Type): PresentationFormCode: documentDigital, documentHardcopy, imageDigital, imageHardcopy, mapDigital, mapHardcopy, modelDigital, modelHardcopy, profileDigital, profileHardcopy, tableDigital, tableHardcopy, videoDigital, videoHardcopy; Content Type: Data, Documentation, Permission; Subject thesaurus or controlled vocabulary; Language: English, Spanish.

<table>
<thead>
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<th>Property.PropertyDesc</th>
<th>Description of a property.</th>
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<td>Provenance_Property.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
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<tr>
<td>Provenance_Property.PropertyID</td>
<td>Foreign Key, Property Table</td>
</tr>
<tr>
<td>Provenance_Property.PPStartDate</td>
<td>Date when property began</td>
</tr>
<tr>
<td>Provenance_Property.PPEndDate</td>
<td>Date when property ended.</td>
</tr>
<tr>
<td>Table Name</td>
<td>Description</td>
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<tr>
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<tr>
<td>Provenance_Property.Note</td>
<td>Note about property as it pertains to a particular provenance.</td>
</tr>
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<td>Database generated, Primary Key</td>
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<tr>
<td>ProvenanceNote.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
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<tr>
<td>ProvenanceNote.NoteText</td>
<td>Note about the provenance of an object.</td>
</tr>
<tr>
<td>ProvenanceNote.PostedBy</td>
<td>Person who posted the note about the provenance of an object.</td>
</tr>
<tr>
<td>ProvenanceNote.PostedOn</td>
<td>Date the note was posted.</td>
</tr>
<tr>
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<td>Type of provenance note: Accession, Maintenance, Disposition.</td>
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<td>Database generated, Primary Key</td>
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<tr>
<td>OtherTitle.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>OtherTitle.TitleType</td>
<td>Alternate Title, Former Title</td>
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<tr>
<td>OtherTitle.Title</td>
<td>Other title of an object.</td>
</tr>
<tr>
<td>OtherTitle.Note</td>
<td>Note about the other title of an object.</td>
</tr>
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<td>Database generated, Primary Key</td>
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<tr>
<td>Person.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>Person.PersonOrder</td>
<td>Order in which person will appear in a Person Role list, if sorted.</td>
</tr>
<tr>
<td>Person.FirstName</td>
<td>First name of person.</td>
</tr>
<tr>
<td>Person.LastName</td>
<td>Last name of person.</td>
</tr>
<tr>
<td>Person.Address1</td>
<td>Line 1 of person address.</td>
</tr>
<tr>
<td>Person.Address2</td>
<td>Line 2 of person address.</td>
</tr>
<tr>
<td>Person.City</td>
<td>City of person.</td>
</tr>
<tr>
<td>Person.State</td>
<td>State of person.</td>
</tr>
<tr>
<td>Person.PostalCode</td>
<td>Postal code address for person.</td>
</tr>
<tr>
<td>Person.Phone</td>
<td>Telephone number for person.</td>
</tr>
<tr>
<td>Person.Fax</td>
<td>Fax number for person.</td>
</tr>
<tr>
<td>Person.Email1</td>
<td>Primary e-mail address for person.</td>
</tr>
<tr>
<td>Person.Email2</td>
<td>Second e-mail address for person.</td>
</tr>
<tr>
<td>Person.Note</td>
<td>Note about person.</td>
</tr>
<tr>
<td>Institution.InstitutionID</td>
<td>Database generated, Primary Key</td>
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<tr>
<td>--------------------------</td>
<td>--------------------------------</td>
</tr>
<tr>
<td>Institution.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>Institution.InstitutionRole</td>
<td>Role of institution for object. Originating Organization, Program Support.</td>
</tr>
<tr>
<td>Institution.InstitutionOrder</td>
<td>Order in which the institution will appear on an institution role list if higher priority has been assigned.</td>
</tr>
<tr>
<td>Institution.InstitutionName</td>
<td>Name of institution.</td>
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<tr>
<td>Institution.Address1</td>
<td>Line 1 of institution address.</td>
</tr>
<tr>
<td>Institution.Address2</td>
<td>Line 2 of institution address.</td>
</tr>
<tr>
<td>Institution.City</td>
<td>City of institution.</td>
</tr>
<tr>
<td>Institution.State</td>
<td>State of institution.</td>
</tr>
<tr>
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<td>Postal code for institution address.</td>
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<tr>
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<td>Telephone number for institution.</td>
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<tr>
<td>Institution.Fax</td>
<td>Fax number for institution.</td>
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<tr>
<td>Institution.Website</td>
<td>Website URL for institution.</td>
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<td>Note about institution.</td>
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<td>Foreign Key, Provenance Table</td>
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<td>Document.Title</td>
<td>Title of document describing the object.</td>
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<td>Document.ArchivalID</td>
<td>Identifier of the document if recorded as a provenance.</td>
</tr>
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<td>Document.AccessPoint</td>
<td>URL of access point that disseminates document (http://...; ftp://...).</td>
</tr>
<tr>
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<td>Filename of the document.</td>
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<tr>
<td>Document.Language</td>
<td>Language in which the document is written: English, Spanish.</td>
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<td>Document.AdditionalInfo</td>
<td>Additional information about</td>
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<td>Field</td>
<td>Description</td>
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<td>------------------------------</td>
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<tr>
<td>Distributor.DistributorID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Distributor.DistributorName</td>
<td>Name of the service that distributes a dissemination of an object: CIESIN, Columbia Earth Institute, SEDAC, SEDAC LTA.</td>
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<tr>
<td>Distributor.Address1</td>
<td>Line 1 of distributor address.</td>
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<tr>
<td>Distributor.Address2</td>
<td>Line 2 of distributor address.</td>
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<tr>
<td>Distributor.City</td>
<td>City of distributor.</td>
</tr>
<tr>
<td>Distributor.State</td>
<td>State of distributor.</td>
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<td>Distributor.TelePhone</td>
<td>Telephone number of distributor.</td>
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<td>Distributor.Fax</td>
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<td>URL of distributor.</td>
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<td>Distributor.Email</td>
<td>Email address of distributor.</td>
</tr>
<tr>
<td>Distributor.Website</td>
<td>Website of distributor.</td>
</tr>
<tr>
<td>Dissemination.DisseminationID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Dissemination.DistributorID</td>
<td>Foreign Key, Distributor Table</td>
</tr>
<tr>
<td>Dissemination.Medium</td>
<td>Primary data storage medium for distributing object from dissemination service: CD-ROM, DVD,URN, URL, FTP.</td>
</tr>
<tr>
<td>Dissemination.PublicAccessPoint</td>
<td>Primary Access Point for distributing object to the public from dissemination service (http://...; ftp://...).</td>
</tr>
<tr>
<td>Dissemination.InternalLocation</td>
<td>Path and folder name of location from which object is distributed from internal dissemination service.</td>
</tr>
<tr>
<td>Dissemination.DissemSize</td>
<td>Size of object disseminated in Bytes</td>
</tr>
<tr>
<td>Dissemination.StartDate</td>
<td>Date dissemination service began disseminating object.</td>
</tr>
<tr>
<td>Dissemination.EndDate</td>
<td>Date dissemination service discontinued disseminating object.</td>
</tr>
<tr>
<td>Dissemination.DIPDescription</td>
<td>File Inventory of all files included in the Dissemination Information Package (DIP) submitted to dissemination service for distribution.</td>
</tr>
<tr>
<td>Dissemination.DissemCharge</td>
<td>Amount received from dissemination service for distributing object.</td>
</tr>
<tr>
<td>Dissemination.DissemChargeUnit</td>
<td>Monetary unit of DissemCharge.</td>
</tr>
<tr>
<td>Dissemination.OriginalPublisher</td>
<td>Flag indicating that dissemination is by Original.</td>
</tr>
<tr>
<td>Table Name</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Dissemination.PrimaryDistributor</td>
<td>Flag indicating that dissemination is by Primary Distributor: N. Y.</td>
</tr>
<tr>
<td>DissemAltPoint.DissemAltPointID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>DissemAltPoint.DisseminationID</td>
<td>Foreign Key, Dissemination Table</td>
</tr>
<tr>
<td>DissemAltPoint.AltAccessPoint</td>
<td>Alternate access point disseminating object (http://..., ftp://...)</td>
</tr>
<tr>
<td>DissemAltPoint.StartDate</td>
<td>Date started disseminating object at alternate access point.</td>
</tr>
<tr>
<td>DissemAltPoint.EndDate</td>
<td>Date stopped disseminating object at alternate access point.</td>
</tr>
<tr>
<td>DissemAltPoint.Note</td>
<td>Note on alternate dissemination point.</td>
</tr>
<tr>
<td>ProvDissemination.ProvDisseminationID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>ProvDissemination.DisseminationID</td>
<td>Foreign Key, Dissemination Table, part of Alternate Key</td>
</tr>
<tr>
<td>ProvDissemination.ProvenanceID</td>
<td>Foreign Key, Provenance Table, part of Alternate Key</td>
</tr>
<tr>
<td>ProvDissemination.RootPath</td>
<td>Directory path where object is disseminated within group.</td>
</tr>
<tr>
<td>ProvDissemination.StartDate</td>
<td>Date object began being disseminated within group.</td>
</tr>
<tr>
<td>ProvDissemination.EndDate</td>
<td>Date object no longer disseminated within group.</td>
</tr>
<tr>
<td>ProvDissemination.Note</td>
<td>Note on object dissemination within group.</td>
</tr>
<tr>
<td>PDFileList.PDFileListID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>PDFileList.ProvDissemID</td>
<td>Foreign Key, ProvDissemination Table</td>
</tr>
<tr>
<td>PDFileList.FileName</td>
<td>Name of the file listing files disseminated in dissemination.</td>
</tr>
<tr>
<td>PDFileList.StartDate</td>
<td>Date the listed files were included in dissemination.</td>
</tr>
<tr>
<td>PDFileList.EndDate</td>
<td>Date the listed files were no longer in dissemination.</td>
</tr>
<tr>
<td>PDFileList.Note</td>
<td>Note about the list of files included within dissemination.</td>
</tr>
<tr>
<td>Catalog.CatalogID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Catalog.CatalogName</td>
<td>Name of the catalog where an object is registered: SEDAC, CIESIN, EDGRS, ESIP, DLESE, NSDL.</td>
</tr>
<tr>
<td>Catalog.URL</td>
<td>URL of the catalog where an object is registered.</td>
</tr>
<tr>
<td>Catalog.ContactInfo</td>
<td>Contact information for a</td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>CatalogEntry.CatalogEntryID</td>
<td>Database generated, Primary Key.</td>
</tr>
<tr>
<td>CatalogEntry.DisseminationID</td>
<td>Foreign Key, Dissemination Table.</td>
</tr>
<tr>
<td>CatalogEntry.CatalogID</td>
<td>Foreign Key, Catalog Table.</td>
</tr>
<tr>
<td>CatalogEntry.EntryID</td>
<td>Unique Identifier in the catalog for the record describing the object.</td>
</tr>
<tr>
<td>CatalogEntry.Submission</td>
<td>Date description of entry was submitted to a catalog.</td>
</tr>
<tr>
<td>CatalogEntry.StartDate</td>
<td>Date catalog entry was available.</td>
</tr>
<tr>
<td>CatalogEntry.EndDate</td>
<td>Date catalog entry was no longer available.</td>
</tr>
<tr>
<td>CatalogEntry.EntryStatus</td>
<td>Status of catalog entry: None, Partial, Complete, Removed.</td>
</tr>
<tr>
<td>CatalogEntry.EntryDesc</td>
<td>Description of the dissemination included in the fields of the entry.</td>
</tr>
<tr>
<td>CatalogEntry.EntryLastUpdate</td>
<td>Date of the last update to the catalog entry for the object.</td>
</tr>
<tr>
<td>CatalogEntry.Note</td>
<td>Note about the catalog entry for an object.</td>
</tr>
<tr>
<td>Location.LocationID</td>
<td>Database generated, Primary Key.</td>
</tr>
<tr>
<td>Location.LocType</td>
<td>Type of location. Onsite Offline Archive, Offsite Offline Archive, Onsite Processing, Onsite Network, Onsite Storage Shelves.</td>
</tr>
<tr>
<td>Location.LocName</td>
<td>Name of the Location. CIESIN Archival Facility, GISS Computer Room, Geoscience Computer Room, Geoscience Storage Room.</td>
</tr>
<tr>
<td>Location.LocDesc</td>
<td>Description of the archival facilities at the location.</td>
</tr>
<tr>
<td>Location.LocAGENT</td>
<td>Name of the individual responsible for the location.</td>
</tr>
<tr>
<td>LocationParam.LocationParamID</td>
<td>Database generated, Primary Key.</td>
</tr>
<tr>
<td>LocationParam.LocationID</td>
<td>Foreign Key, Location Table</td>
</tr>
<tr>
<td>LocationParam.ParamName</td>
<td>Name of the parameter measured at the location: Temperature, High Temperature, Low Temperature, Humidity, High Humidity, Low Humidity, Inventory, Recovery Test.</td>
</tr>
<tr>
<td>LocationParam.ParamValue</td>
<td>Value of the parameter</td>
</tr>
<tr>
<td><strong>LocationParam.ParamUnit</strong></td>
<td>Unit of measurement for recorded value measured at location: Degrees Fahrenheit, Percentage.</td>
</tr>
<tr>
<td><strong>LocationParam.ParamDate</strong></td>
<td>Date and time of measurement.</td>
</tr>
<tr>
<td><strong>LocationParam.ParamNote</strong></td>
<td>Note on instrument or parameter measured.</td>
</tr>
<tr>
<td><strong>Media.MediaID</strong></td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td><strong>Media.MediaType</strong></td>
<td>Type of media used: CD-ROM, CD-R, DVD-R, DVD+R, Print.</td>
</tr>
<tr>
<td><strong>Media.MediaBrand</strong></td>
<td>Brand of the media: TDK 700 MB 48x Data CD-R.</td>
</tr>
<tr>
<td><strong>Media.MediaPurchaseDate</strong></td>
<td>Date the media was purchased.</td>
</tr>
<tr>
<td><strong>Media.Note</strong></td>
<td>Note about the media.</td>
</tr>
<tr>
<td><strong>Media_Location.LocationID</strong></td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td><strong>Media_Location.MediaID</strong></td>
<td>Foreign Key, Media Table</td>
</tr>
<tr>
<td><strong>Media_Location.DepositedOn</strong></td>
<td>Date the archival media was deposited at the location.</td>
</tr>
<tr>
<td><strong>Media_Location.RemovedOn</strong></td>
<td>Date the archival media was removed from the location.</td>
</tr>
<tr>
<td><strong>Media_Location.Note</strong></td>
<td>Note about the archival media housed at a location.</td>
</tr>
<tr>
<td><strong>Event.EventID</strong></td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td><strong>Event.MediaID</strong></td>
<td>Foreign Key, Media Table</td>
</tr>
<tr>
<td><strong>Event.EventStatus</strong></td>
<td>Status of the event: Complete, Scheduled, Postponed.</td>
</tr>
<tr>
<td><strong>Event.Designation</strong></td>
<td>Name of the event: Deposit, Inventory, Audit, Inspection, Virus Check, Media Write, Quality Check, Format Conversion, Removal, Check Out, Bring Forward, Media Request, Media Destruction.</td>
</tr>
<tr>
<td><strong>Event.Procedure</strong></td>
<td>Procedure completed on media during an event.</td>
</tr>
<tr>
<td><strong>Event.Location</strong></td>
<td>Location where the event occurred.</td>
</tr>
<tr>
<td><strong>Event.EventDate</strong></td>
<td>Date and time of event.</td>
</tr>
<tr>
<td><strong>Event.Outcome</strong></td>
<td>Description of the event outcome.</td>
</tr>
<tr>
<td><strong>Event.Note</strong></td>
<td>Note about the event.</td>
</tr>
<tr>
<td><strong>Event.ResponsiblePerson</strong></td>
<td>Individual responsible for the event.</td>
</tr>
<tr>
<td><strong>Event.RetrievalRecipient</strong></td>
<td>Individual who received the event.</td>
</tr>
<tr>
<td>Table</td>
<td>Description</td>
</tr>
<tr>
<td>-------</td>
<td>-------------</td>
</tr>
<tr>
<td>Event.RetrievalRequestor</td>
<td>Individual who requested the media.</td>
</tr>
<tr>
<td>ProvenanceMedia.ProvenanceMediaID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>ProvenanceMedia.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>ProvenanceMedia.MediaType</td>
<td>Foreign Key, Media Table</td>
</tr>
<tr>
<td>ProvenanceMedia.RootPath</td>
<td>Path and directory of the object on the media.</td>
</tr>
<tr>
<td>ProvenanceMedia.WriteDate</td>
<td>Date the object was written on the media.</td>
</tr>
<tr>
<td>ProvenanceMedia.DeleteDate</td>
<td>Date the object was deleted from the media.</td>
</tr>
<tr>
<td>ProvenanceMedia.ValidationProc</td>
<td>Signature type used to generate validation key: MD5, SHA-1.</td>
</tr>
<tr>
<td>ProvenanceMedia.KeyCreationDate</td>
<td>Date validation key was generated.</td>
</tr>
<tr>
<td>ProvenanceMedia.Result</td>
<td>Hash value, filename, or path and filename of stored validation signature.</td>
</tr>
<tr>
<td>ProvenanceMedia.LastCheckDate</td>
<td>Date validation key generated and compared with original.</td>
</tr>
<tr>
<td>ProvenanceMedia.NextCheckDate</td>
<td>Date scheduled for validation key comparison.</td>
</tr>
<tr>
<td>DataFile.DataFileID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>DataFile.ProvenanceMediaID</td>
<td>Foreign Key, ProvenanceMedia Table</td>
</tr>
<tr>
<td>DataFile.FileName</td>
<td>Name of the file including its extension.</td>
</tr>
<tr>
<td>DataFile.FileSize</td>
<td>Size of the file in bytes.</td>
</tr>
<tr>
<td>DataFile.ContentType</td>
<td>Type of content in the file: Data, Documentation, Permission, Startup.</td>
</tr>
<tr>
<td>DataFile.MarkupType</td>
<td>Type of markup used to encode contents of file: HTML, SGML, XML.</td>
</tr>
<tr>
<td>DataFile.MarkupName</td>
<td>Name of schema and version employed for the MarkupType: TEI DTD, W3C XML.</td>
</tr>
<tr>
<td>DataFile.MarkupSchema</td>
<td>Contents of schema used for the Markup Type.</td>
</tr>
<tr>
<td>DataFile.FileAccessRight</td>
<td>Access rights or limitations specific to file: Universal Access -unrestricted, Research Use Only, Educational Use Only, Research and Educational Use Only, Non-Commercial Use Only, On-Site Use</td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>DataFile.ExpofAccessRight</td>
<td>Date access rights or restrictions specific to file expire.</td>
</tr>
<tr>
<td>DataFile.PreservRestrictn</td>
<td>Preservation rights or limitations for preserving file.</td>
</tr>
<tr>
<td>DataFile.EncryptionInfo</td>
<td>Description of encryption employed on file.</td>
</tr>
<tr>
<td>DataFile.AccessInhibitors</td>
<td>Inhibitors to access inherent to the file: Password protection, AAA watermark.</td>
</tr>
<tr>
<td>DataFile.FileType</td>
<td>MIME Media Type for file in format Content Type/Subtype: application/pdf, audio/mpeg, image/tiff, message/http, model/vrml, multipart/signed, text/html, video/mpeg.</td>
</tr>
<tr>
<td>DataFile.FileVersion</td>
<td>Version of the MIME Media Type.</td>
</tr>
<tr>
<td>DataFile.FormatRegistry</td>
<td>Registry to identify the software program used to create or view the file: Pronom.</td>
</tr>
<tr>
<td>DataFile.RegistryEntry</td>
<td>Entry in the Format Registry for the file format.</td>
</tr>
<tr>
<td>DataFile.DateModified</td>
<td>Last date and time when file was written or modified.</td>
</tr>
<tr>
<td>DataFile.PreservFormat</td>
<td>File format is a preservation format: Y, N.</td>
</tr>
<tr>
<td>DataFile.AltFormat</td>
<td>Alternate or derivative formats that contain contents of file: txt, csv, pdf.</td>
</tr>
<tr>
<td>DataFile.OriginalFileID</td>
<td>Foreign key to DataFile.DataFileID. DataFileID for original file from which the file is a derivative.</td>
</tr>
<tr>
<td>DataFile.OriginalFileName</td>
<td>Filename (and extension) for the original source file from which the file described is a derivative.</td>
</tr>
<tr>
<td>DataFile.Creation</td>
<td>Description of the file creation, coded to record file history: Original file received, Migrated file, Archive generated file.</td>
</tr>
<tr>
<td>DataFile.History</td>
<td>Description of file history.</td>
</tr>
<tr>
<td>Property</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>DataFile.RefreshDate</td>
<td>Last date and time file was written to any media.</td>
</tr>
<tr>
<td>DataFile.AccessStartDate</td>
<td>Date when access to file may be granted.</td>
</tr>
<tr>
<td>DataFile.AccessEndDate</td>
<td>Date when access to file ends.</td>
</tr>
<tr>
<td>DataFile.DeaccessionDate</td>
<td>Date when file was deaccessioned from archive.</td>
</tr>
<tr>
<td>FilePart.FilePartID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>FilePart.DataFileID</td>
<td>Foreign Key, DataFile Table</td>
</tr>
<tr>
<td>FilePart.FilePartType</td>
<td>Type of FilePart: Table, Screenshot, Thumbnail Image, Page Image, Annotation, Mask, Metadata Text</td>
</tr>
<tr>
<td>FilePart.FilePartLoc</td>
<td>Location or address of FilePart within the file: Unknown.</td>
</tr>
<tr>
<td>FilePart.FilePartDesc</td>
<td>Description of FilePart differentiated from file.</td>
</tr>
<tr>
<td>Environment.EnvironmentID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Environment.DataFileID</td>
<td>Foreign Key, DataFile Table</td>
</tr>
<tr>
<td>Environment.EnvironmentType</td>
<td>Type of environment required for data file: Rendering Software, Display Application, Operating System, Middleware, Hardware CPU, Hardware Peripherals</td>
</tr>
<tr>
<td>Environment.Title</td>
<td>Title of environment software or hardware required.</td>
</tr>
<tr>
<td>Environment.Description</td>
<td>Description of implementation environment for data file.</td>
</tr>
<tr>
<td>Environment.Documentation</td>
<td>Documentation for the implementation environment.</td>
</tr>
<tr>
<td>Environment.ExpiryDate</td>
<td>Date environment is scheduled to expire or be replaced.</td>
</tr>
<tr>
<td>AccessRestriction.AccessRestrictionID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>AccessRestriction.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>AccessRestriction.AccessRestriction</td>
<td>Security category or type of restriction: Onsite Use Only</td>
</tr>
<tr>
<td>AccessRestriction.AccessRestrictionDesc</td>
<td>Description of restriction on access to object.</td>
</tr>
<tr>
<td>----------------------------------------</td>
<td>-----------------------------------------------</td>
</tr>
<tr>
<td>AccessRestriction.CurrentDeclaration</td>
<td>Confidentiality agreement or user agreement on restriction.</td>
</tr>
<tr>
<td>AccessRestriction.SecurityNote</td>
<td>Note about the security restriction on object.</td>
</tr>
<tr>
<td>AccessRestriction.SecurityReviewDate</td>
<td>Date security restriction is scheduled for review.</td>
</tr>
<tr>
<td>AccessRestriction.ARStartDate</td>
<td>Date access restriction on object begins.</td>
</tr>
<tr>
<td>AccessRestriction.AREndDate</td>
<td>Date access restriction on object ends.</td>
</tr>
<tr>
<td>Decision.DecisionID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Decision.DecisionType</td>
<td>Type of Decision: Acquisition, Nomination for Dissemination, Nomination for Deaccession, Nomination for Transfer, Nomination for Accession, Dissemination, Disposition, Transfer, Provisional Use, Beta System Dissemination; Production System Dissemination.</td>
</tr>
<tr>
<td>Decision.Decision</td>
<td>Decision about an object for a Decision Type. For Preservation Service: Preserve content, Preserve Original Formats; For SEDAC: Disseminate, Ancillary Product, Transfer to LTA; For SEDAC Acquisition: redistributed 3rd party data, value-added 3rd party data, SEDAC-developed; For LTA: Public Dissemination, Restricted Dissemination; (Others Considered: Under Review, Disseminate, Delete,</td>
</tr>
<tr>
<td>Field Name</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Decision.MeetingDate</td>
<td>Date when the decision was made.</td>
</tr>
<tr>
<td>Decision.DecisionActiveDate</td>
<td>Date on which the decision is implemented.</td>
</tr>
<tr>
<td>Decision.Authority</td>
<td>Authority deciding the status of an object within the archive:</td>
</tr>
<tr>
<td></td>
<td>CIESIN Director, CIESIN Deputy Director, CIESIN Associate Director for IS,</td>
</tr>
<tr>
<td></td>
<td>SEDAC UWG, SEDAC Project Manager, SEDAC Lead Project Scientist, SEDAC</td>
</tr>
<tr>
<td></td>
<td>Archives Manager, SEDAC Archivist, LTA Board, LTA Manager, LTA Archivist.</td>
</tr>
<tr>
<td>Decision.Note</td>
<td>Note of Rationale or Justification for making the decision.</td>
</tr>
<tr>
<td>ProvenanceDecision.ProvenanceDecisionID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>ProvenanceDecision.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>ProvenanceDecision.DecisionID</td>
<td>Foreign Key, Decision Table</td>
</tr>
<tr>
<td>ProvenanceDecision.Note</td>
<td>Note about the decision in reference to a specific provenance.</td>
</tr>
<tr>
<td>RightOwner.RightOwnerID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>RightOwner.Entity</td>
<td>Organization that owns right for an object or Public Domain.</td>
</tr>
<tr>
<td>RightOwner.Signator</td>
<td>Person who signed document authorizing a right for an object.</td>
</tr>
<tr>
<td>RightOwner.SignatorTitle</td>
<td>Title of signer authorizing a right for an object.</td>
</tr>
<tr>
<td>RightOwner.SigContactInfo</td>
<td>Contact information for signer authorizing a right for an object.</td>
</tr>
<tr>
<td>RightOwner.Address1</td>
<td>Line 1 of right owner address.</td>
</tr>
<tr>
<td>RightOwner.Address2</td>
<td>Line 2 of right owner address.</td>
</tr>
<tr>
<td>RightOwner.City</td>
<td>City of right owner.</td>
</tr>
<tr>
<td>RightOwner.State</td>
<td>State of right owner.</td>
</tr>
<tr>
<td>RightOwner.Country</td>
<td>Country of right owner.</td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>RightOwner.PostalCode</td>
<td>Postal code for right owner.</td>
</tr>
<tr>
<td>RightOwner.Telephone</td>
<td>Telephone number for right owner.</td>
</tr>
<tr>
<td>RightOwner.Fax</td>
<td>Fax number for right owner.</td>
</tr>
<tr>
<td>RightOwner.Email</td>
<td>E-mail for right owner.</td>
</tr>
<tr>
<td>RightOwner.Website</td>
<td>URL of right owner website.</td>
</tr>
<tr>
<td>RightOwner.Note</td>
<td>Note about right owner.</td>
</tr>
<tr>
<td>Right.RightID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Right.RightType</td>
<td>Type of right held: copyright, license, public domain, contract, Permission.</td>
</tr>
<tr>
<td>Right.RightName</td>
<td>Distribution Right, Usage Right, Preservation Right, Access Right, Print Right.</td>
</tr>
<tr>
<td>Right.RightDesc</td>
<td>Description of the right and intellectual property restrictions or obligations.</td>
</tr>
<tr>
<td>Right.Note</td>
<td>Note on rights for object.</td>
</tr>
<tr>
<td>RightHeld.RightHeldID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>RightHeld.RightOwnerId</td>
<td>Foreign Key, RightOwner Table</td>
</tr>
<tr>
<td>RightHeld.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>RightHeld.RightId</td>
<td>Foreign Key, Right Table</td>
</tr>
<tr>
<td>RightHeld.RightOrigination</td>
<td>Right granted to others or received from owner: Granted, Received.</td>
</tr>
<tr>
<td>RightHeld.CurDeclaration</td>
<td>Content of license, contract, or permission statement.</td>
</tr>
<tr>
<td>RightHeld.RightDocFile</td>
<td>Filename and directory path of the digital (or scanned) document that authorizes rights for an object.</td>
</tr>
<tr>
<td>RightHeld.RightDocLoc</td>
<td>Location of original printed license, contract, or permission document: Onsite Archive, Offsite Archive, Storeroom, Not Printed.</td>
</tr>
<tr>
<td>RightHeld.BeginDate</td>
<td>Date of execution for rights held or date of contract if not specified.</td>
</tr>
<tr>
<td>RightHeld.ExpiryDate</td>
<td>Date of expiration for rights held or null if no expiration date.</td>
</tr>
<tr>
<td>RightHeld.Receiver</td>
<td>Person who signed document (or agreed to conditions) and is authorized to acquire or use object.</td>
</tr>
<tr>
<td>RightHeld.Cost</td>
<td>Cost to acquire object or rights to object.</td>
</tr>
<tr>
<td>RightHeld.CostUnit</td>
<td>Monetary unit for cost to acquire object or rights to object.</td>
</tr>
<tr>
<td>RightHeld.Note</td>
<td>Note on right held for an object.</td>
</tr>
<tr>
<td>RightHeld.RightBrief</td>
<td>Brief description of right held and intended usage group or purpose: Use and distribute freely, Use and distribute only within organization, Distribute for research or educational purposes, Third party distribution, Research use only, Educational use only, Non-commercial use only, Staff use only.</td>
</tr>
<tr>
<td>----------------------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>RightHeld.Request</td>
<td>Request for rights, including the reason to justify authorization.</td>
</tr>
</tbody>
</table>
Crosswalk:
Data Model for Managing and Preserving Geospatial Electronic Records to
(May 2005). Online Computer Library Center (OCLC) and Research Libraries Group

<table>
<thead>
<tr>
<th>Field</th>
<th>Definition</th>
<th>PREMIS Data Dictionary</th>
</tr>
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<tbody>
<tr>
<td>Collection.CollectionID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Collection.Title</td>
<td>Title for a Collection: CIESIN Archive, SEDAC Scientific Data Archives, specific project Archive.</td>
<td></td>
</tr>
<tr>
<td>Collection.Description</td>
<td>Description of the collection and keywords.</td>
<td></td>
</tr>
<tr>
<td>Collection.AccessReqmnt</td>
<td>Requirements for accessing the collection: Object Specific Requirements, CMB Approval, Systems Manager Approval.</td>
<td></td>
</tr>
<tr>
<td>Collection.InstallReqmnt</td>
<td>Requirements for installation of collection</td>
<td></td>
</tr>
<tr>
<td>Collection.SizeReqmnt</td>
<td>Storage volume requirement for collection, automatically calculated.</td>
<td></td>
</tr>
<tr>
<td>Collection.AccessInhibitor</td>
<td>Method(s) employed to inhibit access to collection that could affect preservation, such as encryption or watermarking.</td>
<td></td>
</tr>
<tr>
<td>Collection.FindingAid</td>
<td>Method used to facilitate discovery of collection.</td>
<td></td>
</tr>
<tr>
<td>Collection.PresrvPermission</td>
<td>Statement of permission to copy collection or migrate to various formats for preservation.</td>
<td></td>
</tr>
<tr>
<td>Collection.RelationDesc</td>
<td>Description of relationships, relevant for preservation, between collection and other objects or collections.</td>
<td></td>
</tr>
<tr>
<td>Collection.Quirk</td>
<td>Characteristic that could degrade functionality or aspects of the collection.</td>
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</tr>
<tr>
<td>Collection.Purpose</td>
<td>Purpose and reason for archiving the collection: Funding Agency Requirement; Scientific Value; Historical value; Fiduciary responsibility.</td>
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</tr>
<tr>
<td>Collection.DecisionDate</td>
<td>Date of decision to archive the collection.</td>
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</tr>
<tr>
<td>Collection.AccessStartDate</td>
<td>Date access was provided to collection.</td>
<td></td>
</tr>
<tr>
<td>Collection.AccessEndDate</td>
<td>Date when access to collection ended.</td>
<td></td>
</tr>
<tr>
<td>Collection.DeaccessionDate</td>
<td>Date collection is deaccessioned by archive.</td>
<td></td>
</tr>
<tr>
<td>Collection.Note</td>
<td>Notes about collection.</td>
<td></td>
</tr>
<tr>
<td>Series.SeriesID</td>
<td>Database generated, Primary Key</td>
<td>LinkingIntellectualEntityIdentifierValue</td>
</tr>
<tr>
<td>-----------------</td>
<td>---------------------------------</td>
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<tr>
<td>Series.CollectionID</td>
<td>Foreign Key, Collection Table</td>
<td>LinkingIntellectualEntityIdentifierType</td>
</tr>
<tr>
<td>Series.Title</td>
<td>Title of a record series category within a Collection: CIESIN Administrative Records, CIESIN Records Common to All Projects, CIESIN Scientific Data, SEDAC Operations Records, SEDAC Active Archive, SEDAC Long-Term Archive.</td>
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</tr>
<tr>
<td>Series.Description</td>
<td>Description of the series.</td>
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</tr>
<tr>
<td>Series.VRIndicator</td>
<td>Category of vital records, if applicable, for the series: Non-Vital Records, Emergency - Operating Records, Legal or Financial Rights, Emergency and Rights Records.</td>
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</tr>
<tr>
<td>Series.VRReviewDate</td>
<td>Date of next review of vital records in series.</td>
<td></td>
</tr>
<tr>
<td>Series.Activity</td>
<td>Level of use for series, assignment based on SeriesActivity.</td>
<td></td>
</tr>
<tr>
<td>Series.ActivityDate</td>
<td>Date when activity for the series was reviewed and assigned.</td>
<td></td>
</tr>
<tr>
<td>Series.CutoffDate</td>
<td>Date to cutoff records in series.</td>
<td></td>
</tr>
<tr>
<td>Series.AnnualAccum</td>
<td>Estimate of annual accumulation of records in series.</td>
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</tr>
<tr>
<td>Series.AccessStartDate</td>
<td>Date when access to series began.</td>
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</tr>
<tr>
<td>Series.EndDate</td>
<td>Date when access to series ended.</td>
<td></td>
</tr>
<tr>
<td>Series.DeaccessionDate</td>
<td>Date of deaccession for all records in series.</td>
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<tr>
<td>Series.Note</td>
<td>Notes about the series.</td>
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<tr>
<td>SeriesActivity.SeriesActivityID</td>
<td>Database generated, Primary Key</td>
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<tr>
<td>SeriesActivity.SeriesID</td>
<td>Foreign Key, Series Table.</td>
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<tr>
<td>SeriesActivity.PeriodStartDate</td>
<td>Date series activity period began.</td>
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</tr>
<tr>
<td>SeriesActivity.PeriodEndDate</td>
<td>Date series activity period</td>
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</tr>
<tr>
<td>Field</td>
<td>Description</td>
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<tr>
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<tr>
<td>SeriesActivity.UniqueUserCnt</td>
<td>Number of unique users of series during period.</td>
<td></td>
</tr>
<tr>
<td>SeriesActivity.TotalUserCnt</td>
<td>Total number of users of series during period.</td>
<td></td>
</tr>
<tr>
<td>SeriesActivity.Note</td>
<td>Notes about series activity for a given period.</td>
<td></td>
</tr>
<tr>
<td>Aggregate.AggregateID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Aggregate.SeriesID</td>
<td>Foreign Key, Series Table</td>
<td></td>
</tr>
<tr>
<td>Aggregate.Title</td>
<td>Title of Aggregate category assignment. For SEDAC Scientific Data Series</td>
<td></td>
</tr>
<tr>
<td></td>
<td>mission areas: PLUE, ENTRI, EH, MVA, HVA, AFS, ES, EX, IG.</td>
<td></td>
</tr>
<tr>
<td>Aggregate.AccessStartDate</td>
<td>Date access to aggregate began.</td>
<td></td>
</tr>
<tr>
<td>Aggregate.AccessEnDate</td>
<td>Date when access to aggregate ended.</td>
<td></td>
</tr>
<tr>
<td>Aggregate.DeaccessionDate</td>
<td>Date of deaccession for all records in aggregate.</td>
<td></td>
</tr>
<tr>
<td>Provenance.ProvenanceID</td>
<td>Database generated, Primary Key</td>
<td></td>
</tr>
<tr>
<td>Provenance.AggregateID</td>
<td>Foreign Key, Aggregate Table</td>
<td></td>
</tr>
<tr>
<td>Provenance.Origin</td>
<td>Description of the creation process of the object.</td>
<td></td>
</tr>
<tr>
<td>Provenance.Title</td>
<td>Formal Title that identifies or describes the object.</td>
<td></td>
</tr>
<tr>
<td>Provenance.Version</td>
<td>Identification to differentiate object from other versions.</td>
<td></td>
</tr>
<tr>
<td>Provenance.PreIngest</td>
<td>Description of pre-ingest processing and custody of object.</td>
<td></td>
</tr>
<tr>
<td>Provenance.CreationDate</td>
<td>Date object was completed by Author.</td>
<td></td>
</tr>
<tr>
<td>Provenance.SubmissionDate</td>
<td>Date object was submitted to the archive for ingest.</td>
<td></td>
</tr>
<tr>
<td>Provenance.Citation</td>
<td>Complete citation for object.</td>
<td></td>
</tr>
<tr>
<td>Provenance.DesignatedCommunity</td>
<td>Description of designated community of users, potential users, or audience for the object: Human interactions in the environment community, Decision-maker, Learner, Manager, Scientist, Teacher.</td>
<td></td>
</tr>
<tr>
<td>Provenance.ReqdPreservationService</td>
<td>Level of preservation service or preservation plan requested by submitter or data provider: Preserve Original Formats; Preserve Content in Supported Formats.</td>
<td></td>
</tr>
<tr>
<td>Provenance.ReqdDisseminatnService</td>
<td>Level of dissemination service or dissemination plan requested by submitter</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.ReasonForCreation</strong></td>
<td>Reason or purpose for creating the described object.</td>
<td></td>
</tr>
<tr>
<td>---------------------------------</td>
<td>------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.CustodyHistory</strong></td>
<td>Chain of custody of object prior to ingest into archive.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.ReasonForPreservation</strong></td>
<td>Justification for selecting object for preservation in archive.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.AcquisitionDate</strong></td>
<td>Date original object was acquired by archive.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.AcquisitionVolume</strong></td>
<td>Volume of original object acquired by archive.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.AcquisitionFileInventory</strong></td>
<td>List of all files in original object acquired by archive.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.ReceivedDate</strong></td>
<td>Date object received by the Archivist.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.DeaccessionDate</strong></td>
<td>Date the object was deaccessioned from archive.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.AIPVolume</strong></td>
<td>Total Size of the Archival Information Package created by the archive to preserve the Content Information and Associated Material</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.ContentInformationSize</strong></td>
<td>Size of Content Information of the Archival Information Package in Bytes.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.AssociatedMaterialSize</strong></td>
<td>Size of material associated with the Content Information of the AIP in Bytes.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.Functionality</strong></td>
<td>Description of any functional characteristics of the object.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.AIPFileInventory</strong></td>
<td>List of all filenames and sizes organized by the directory structure.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.AIPDataDictionary</strong></td>
<td>List of each filename in object with title of document or description for each file, including alternate formats.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.AIP</strong></td>
<td>All the files within their preservation structure, containing Content Information and Associated Information that has been transformed by the Archive for preservation (location in system if dbms is part of the repository).</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.AIPCreationDate</strong></td>
<td>Date archive created Preservation Master for Archival Information Package.</td>
<td></td>
</tr>
<tr>
<td><strong>Provenance.ReceivedSIP</strong></td>
<td>All of the files (within their original structure) received from the provider in the</td>
<td></td>
</tr>
<tr>
<td>Provenance,Package</td>
<td>Submission Information Package (SIP) containing the Content Information and all Associated Information for the original object acquired (stored in system if dbms is part of the repository).</td>
<td></td>
</tr>
<tr>
<td>-----------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Provenance,PreparedSIP</td>
<td>All of the files (within their preservation structure), containing the Content Information and the Associated Information that have been prepared by the Archive for submission to another Archive or Collection (stored in system if dbms is part of the repository).</td>
<td></td>
</tr>
<tr>
<td>Provenance,PermRecordIndicator</td>
<td>Indicator that the record is a Permanent Record: N, Y.</td>
<td></td>
</tr>
<tr>
<td>Provenance,RecordCondition</td>
<td>Condition of record.</td>
<td></td>
</tr>
<tr>
<td>Provenance,Description</td>
<td>Description of the intellectual content of the object.</td>
<td></td>
</tr>
<tr>
<td>Provenance,Methodology</td>
<td>Instruments and techniques used to create the data.</td>
<td></td>
</tr>
<tr>
<td>Provenance,Variable</td>
<td>Variables, layouts, and codes used to describe the data.</td>
<td></td>
</tr>
<tr>
<td>Provenance,SpatialCoverageDesc</td>
<td>Political or geographical description of spatial coverage.</td>
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</tr>
<tr>
<td>Provenance,SpatialCoverageNote</td>
<td>Latitude and longitude covered, if available.</td>
<td></td>
</tr>
<tr>
<td>Provenance,SpatialResolution</td>
<td>Spatial Resolution.</td>
<td></td>
</tr>
<tr>
<td>Provenance,SpatialResolutionNote</td>
<td>Notes on the spatial resolution of the object.</td>
<td></td>
</tr>
<tr>
<td>Provenance,SRS</td>
<td>Spatial Reference System used for spatial resolution.</td>
<td></td>
</tr>
<tr>
<td>Provenance,BBoxMinX</td>
<td>Minimum X Coordinate (Longitude) for the Bounding Box.</td>
<td></td>
</tr>
<tr>
<td>Provenance,BBoxMinY</td>
<td>Minimum Y Coordinate (Latitude) for the Bounding Box.</td>
<td></td>
</tr>
<tr>
<td>Provenance,BBoxMaxX</td>
<td>Maximum X Coordinate (Longitude) for the Bounding Box.</td>
<td></td>
</tr>
<tr>
<td>Provenance,BBoxMaxY</td>
<td>Maximum Y Coordinate (Latitude) for the Bounding Box.</td>
<td></td>
</tr>
<tr>
<td>Provenance,SpatialCoverage</td>
<td>If database supports native spatial data types, this field should be used to store</td>
<td></td>
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<tr>
<td>Column</td>
<td>Description</td>
<td></td>
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<tr>
<td>Retention.RetentionID</td>
<td>Database generated, Primary Key</td>
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<tr>
<td>Retention.ProvenanceID</td>
<td>Foreign Key, Provenance Table, if retention relates to provenance.</td>
<td></td>
</tr>
<tr>
<td>Retention.SeriesID</td>
<td>Foreign Key, Series Table, if retention relates to series.</td>
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</tr>
<tr>
<td>Retention.Instruction</td>
<td>Instructions for retention or disposition of record or series: Review every Five Years, Retain Indefinitely, Freeze, Transfer to LTA, Retire, Destroy.</td>
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<tr>
<td>Retention.InstructionReason</td>
<td>Justification for retention instructions on record or series.</td>
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</tr>
<tr>
<td>Retention.InstrctnDate</td>
<td>Date instructions were decided for record or series.</td>
<td></td>
</tr>
<tr>
<td>Retention.InstrctnActDate</td>
<td>Date instructions are to be executed for record or series.</td>
<td></td>
</tr>
<tr>
<td>Retention.ScheduleDate</td>
<td>Date record or series will be reviewed.</td>
<td></td>
</tr>
<tr>
<td>Retention.Authority</td>
<td>Name of individual or group deciding on instructions for record or series: SEDAC UWG, LTA Board.</td>
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<tr>
<td>TemporalData.TemporalDataID</td>
<td>Database generated, Primary Key</td>
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<td>TemporalData.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
<td></td>
</tr>
<tr>
<td>TemporalData.TCovPrecision</td>
<td>Precision of data used to describe temporal coverage: Year, Month, Day.</td>
<td></td>
</tr>
<tr>
<td>TemporalData.TCovStart</td>
<td>Start date for data collection.</td>
<td></td>
</tr>
<tr>
<td>TemporalData.TCovEnd</td>
<td>End date for data collection.</td>
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</tr>
<tr>
<td>TemporalData.TCovProjectionTo</td>
<td>Date of temporal coverage projection to a future date.</td>
<td></td>
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<tr>
<td>TemporalData.TresDescription</td>
<td>Description of temporal resolution, time intervals between successive observations, frequency of granule production.</td>
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<tr>
<td>Relationship.FromProvenancID</td>
<td>Foreign Key, Provenance Table, part of Primary Key</td>
<td></td>
</tr>
<tr>
<td>Relationship.ToProvenanceID</td>
<td>Foreign Key, Provenance Table, part of Primary Key</td>
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<td>Relationship.RelationStartDate</td>
<td>Date relationship began.</td>
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<tr>
<td>Relationship.RelationEndDate</td>
<td>Date relationship ended.</td>
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</tr>
<tr>
<td>------------------------------</td>
<td>--------------------------</td>
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<tr>
<td>Relationship.Note</td>
<td>Note about the relationship.</td>
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<tr>
<td>RelationshipSubType</td>
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<table>
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<tr>
<th>Identification.IdentificationID</th>
<th>Database generated, Primary Key</th>
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<td>Identification.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
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<tr>
<td>Identification.IdentifierType</td>
<td>Type of identifier for which the object has been assigned a unique ID: Global Identifier, TDB ID, UMDB Rec #, DOI, ISBN.</td>
</tr>
<tr>
<td>Identification.IdentifierAssigned</td>
<td>Unique identifier assigned to an object for an identifier type.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ProvReference.ProvReferenceID</th>
<th>Database generated, Primary Key</th>
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<tr>
<td>ProvReference.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
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<tr>
<td>ProvReference.RefAuthor</td>
<td>Names of authors of reference work.</td>
</tr>
<tr>
<td>ProvReference.RefAuthorRole</td>
<td>Role of authors of reference work (Eds.)</td>
</tr>
<tr>
<td>ProvReference.RefTitle</td>
<td>Title of reference work.</td>
</tr>
<tr>
<td>ProvReference.MonographAuthor</td>
<td>Author names of monograph containing reference work.</td>
</tr>
<tr>
<td>ProvReference.MonographAuthRole</td>
<td>Role of authors of monograph containing reference work (Eds.)</td>
</tr>
<tr>
<td>ProvReference.MonographTitle</td>
<td>Title of monograph containing reference work.</td>
</tr>
<tr>
<td>ProvReference.JournalTitle</td>
<td>Title of journal containing reference work.</td>
</tr>
<tr>
<td>ProvReference.TranslatedTitle</td>
<td>English translation of title if in another language.</td>
</tr>
<tr>
<td>ProvReference.SubsidiaryAuthor</td>
<td>Names of subsidiary authors if author is an institution.</td>
</tr>
<tr>
<td>ProvReference.PublicationPlace</td>
<td>Location where reference work is published.</td>
</tr>
<tr>
<td>ProvReference.Publisher</td>
<td>Name of reference work publisher.</td>
</tr>
<tr>
<td>ProvReference.PublicationDate</td>
<td>Date reference work was published.</td>
</tr>
<tr>
<td>ProvReference.PublicationYear</td>
<td>Year when reference work was published.</td>
</tr>
<tr>
<td>ProvReference.CopyrightDate</td>
<td>Date of copyright for reference work.</td>
</tr>
<tr>
<td>ProvReference.IssueID</td>
<td>Issue identifier of reference work.</td>
</tr>
<tr>
<td>ProvReference.WorkExtent</td>
<td>Total number of pages of reference work.</td>
</tr>
<tr>
<td>Property</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>ProvReference.PackagingMethod</td>
<td>Public accessibility of reference work.</td>
</tr>
<tr>
<td>ProvReference.SeriesEditor</td>
<td>Editor of series containing reference work.</td>
</tr>
<tr>
<td>ProvReference.SeriesEditorRole</td>
<td>Role of Editor for series containing reference work.</td>
</tr>
<tr>
<td>ProvReference.SeriesTitle</td>
<td>Title of series containing reference work.</td>
</tr>
<tr>
<td>ProvReference.URL</td>
<td>URL of text or full reference of reference work.</td>
</tr>
<tr>
<td>ProvReference.Availability</td>
<td>File path or file cabinet if stored, or blank if not available.</td>
</tr>
<tr>
<td>ProvReference.Note</td>
<td>Note about reference work.</td>
</tr>
<tr>
<td>ProvReference.RefAbstract</td>
<td>Abstract of reference work.</td>
</tr>
<tr>
<td>ProvReference.CallNumber</td>
<td>Identifier in classification system (LOC, Dewey, or other).</td>
</tr>
<tr>
<td>ProvReference.ReferenceType</td>
<td>Use of object by reference work. Ex: Report,</td>
</tr>
<tr>
<td>ProvReference.RefCitation</td>
<td>Complete bibliographic reference for reference work.</td>
</tr>
<tr>
<td>ProvReference.RefCitationSource</td>
<td>Citation database or service listing reference and date found.</td>
</tr>
<tr>
<td>ProvReference.RefUseRight</td>
<td>Right or permission to use reference work, citation, or abstract.</td>
</tr>
<tr>
<td>ProvReference.RefAccessRight</td>
<td>Right/permission to access or link reference work, citation or abstract.</td>
</tr>
<tr>
<td>ProvReference.DisplayOrder</td>
<td>Order in which reference work will appear in reference list.</td>
</tr>
<tr>
<td>Property.PropertyID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Property.PropertyParentID</td>
<td>Foreign Key, Property Table</td>
</tr>
<tr>
<td>Property.PropertyName</td>
<td>Name of the property describing an object: Ingest Status, Ingest Format Processing, Significant Property, DCMI Type, Document Type, Content Type, Subject, Language. For Ingest Status: Under Development by Creator, Being Prepared for Submission, Received by Archivist, Content Review Pending, Content Under</td>
</tr>
<tr>
<td>Property.PropertyDesc</td>
<td>Description of a property.</td>
</tr>
<tr>
<td>-----------------------</td>
<td>----------------------------</td>
</tr>
<tr>
<td>Provenance_Property.ProvenancePropertyID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Provenance_Property.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>Provenance_Property.PropertyID</td>
<td>Foreign Key, Property Table</td>
</tr>
<tr>
<td>Provenance_Property.PPStartDate</td>
<td>Date when property began</td>
</tr>
<tr>
<td>Provenance_Property.PPEndDate</td>
<td>Date when property ended.</td>
</tr>
<tr>
<td>Provenance_Property.Note</td>
<td>Note about property as it pertains to a particular</td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>ProvenanceNote.ProvenanceNoteID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>ProvenanceNote.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>ProvenanceNote.NoteText</td>
<td>Note about the provenance of an object.</td>
</tr>
<tr>
<td>ProvenanceNote.PostedBy</td>
<td>Person who posted the note about the provenance of an object.</td>
</tr>
<tr>
<td>ProvenanceNote.PostedOn</td>
<td>Date the note was posted.</td>
</tr>
<tr>
<td>ProvenanceNote.NoteType</td>
<td>Type of provenance note: Accession, Maintenance, Disposition.</td>
</tr>
<tr>
<td>OtherTitle.OtherTitleID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>OtherTitle.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>OtherTitle.TitleType</td>
<td>Alternate Title, Former Title</td>
</tr>
<tr>
<td>OtherTitle.Title</td>
<td>Other title of an object.</td>
</tr>
<tr>
<td>OtherTitle.Note</td>
<td>Note about the other title of an object.</td>
</tr>
<tr>
<td>Person.PersonID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Person.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>Person.PersonOrder</td>
<td>Order in which person will appear in a Person Role list, if sorted.</td>
</tr>
<tr>
<td>Person.FirstName</td>
<td>First name of person.</td>
</tr>
<tr>
<td>Person.LastName</td>
<td>Last name of person.</td>
</tr>
<tr>
<td>Person.Address1</td>
<td>Line 1 of person address.</td>
</tr>
<tr>
<td>Person.Address2</td>
<td>Line 2 of person address.</td>
</tr>
<tr>
<td>Person.City</td>
<td>City of person.</td>
</tr>
<tr>
<td>Person.State</td>
<td>State of person.</td>
</tr>
<tr>
<td>Person.PostalCode</td>
<td>Postal code address for person.</td>
</tr>
<tr>
<td>Person.Phone</td>
<td>Telephone number for person.</td>
</tr>
<tr>
<td>Person.Fax</td>
<td>Fax number for person.</td>
</tr>
<tr>
<td>Person.Email1</td>
<td>Primary e-mail address for person.</td>
</tr>
<tr>
<td>Person.Email2</td>
<td>Second e-mail address for person.</td>
</tr>
<tr>
<td>Person.Note</td>
<td>Note about person.</td>
</tr>
<tr>
<td>OtherTitle.TitleType</td>
<td>Alternate Title, Former Title</td>
</tr>
<tr>
<td>OtherTitle.Title</td>
<td>Other title of an object.</td>
</tr>
<tr>
<td>OtherTitle.Note</td>
<td>Note about the other title of an object.</td>
</tr>
<tr>
<td>Person.PersonOrder</td>
<td>Order in which person will appear in a Person Role list, if sorted.</td>
</tr>
<tr>
<td>Person.FirstName</td>
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<tr>
<td>Person.LastName</td>
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<td>Person.Address1</td>
<td>Line 1 of person address.</td>
</tr>
<tr>
<td>Person.Address2</td>
<td>Line 2 of person address.</td>
</tr>
<tr>
<td>Person.City</td>
<td>City of person.</td>
</tr>
<tr>
<td>Person.State</td>
<td>State of person.</td>
</tr>
<tr>
<td>Person.PostalCode</td>
<td>Postal code address for person.</td>
</tr>
<tr>
<td>Person.Phone</td>
<td>Telephone number for person.</td>
</tr>
<tr>
<td>Person.Fax</td>
<td>Fax number for person.</td>
</tr>
<tr>
<td>Person.Email1</td>
<td>Primary e-mail address for person.</td>
</tr>
<tr>
<td>Person.Email2</td>
<td>Second e-mail address for person.</td>
</tr>
<tr>
<td>Person.Note</td>
<td>Note about person.</td>
</tr>
<tr>
<td>Institution.InstitutionID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>--------------------------</td>
<td>---------------------------------</td>
</tr>
<tr>
<td>Institution.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>Institution.InstitutionRole</td>
<td>Role of institution for object. Originating Organization, Program Support.</td>
</tr>
<tr>
<td>Institution.InstitutionOrder</td>
<td>Order in which the institution will appear on an institution role list if higher priority has been assigned.</td>
</tr>
<tr>
<td>Institution.InstitutionName</td>
<td>Name of institution.</td>
</tr>
<tr>
<td>Institution.Address1</td>
<td>Line 1 of institution address.</td>
</tr>
<tr>
<td>Institution.Address2</td>
<td>Line 2 of institution address.</td>
</tr>
<tr>
<td>Institution.City</td>
<td>City of institution.</td>
</tr>
<tr>
<td>Institution.State</td>
<td>State of institution.</td>
</tr>
<tr>
<td>Institution.PostalCode</td>
<td>Postal code for institution address.</td>
</tr>
<tr>
<td>Institution.Phone</td>
<td>Telephone number for institution.</td>
</tr>
<tr>
<td>Institution.Fax</td>
<td>Fax number for institution.</td>
</tr>
<tr>
<td>Institution.Website</td>
<td>Website URL for institution.</td>
</tr>
<tr>
<td>Institution.Note</td>
<td>Note about institution.</td>
</tr>
<tr>
<td>Document.DocumentID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Document.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>Document.Title</td>
<td>Title of document describing the object.</td>
</tr>
<tr>
<td>Document.ArchivalID</td>
<td>Identifier of the document if recorded as a provenance.</td>
</tr>
<tr>
<td>Document.AccessPoint</td>
<td>URL of access point that disseminates document (http://...; ftp://...).</td>
</tr>
<tr>
<td>Document.FileName</td>
<td>Filename of the document.</td>
</tr>
<tr>
<td>Document.Language</td>
<td>Language in which the document is written: English, Spanish.</td>
</tr>
<tr>
<td>Document.AdditionalInfo</td>
<td>Additional information about</td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Distributor.DistributorID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Distributor.DistributorName</td>
<td>Name of the service that distributes a dissemination of an object: CIESIN, Columbia Earth Institute, SEDAC, SEDAC LTA.</td>
</tr>
<tr>
<td>Distributor.Address1</td>
<td>Line 1 of distributor address.</td>
</tr>
<tr>
<td>Distributor.Address2</td>
<td>Line 2 of distributor address.</td>
</tr>
<tr>
<td>Distributor.City</td>
<td>City of distributor.</td>
</tr>
<tr>
<td>Distributor.State</td>
<td>State of distributor.</td>
</tr>
<tr>
<td>Distributor.TelePhone</td>
<td>Telephone number of distributor.</td>
</tr>
<tr>
<td>Distributor.Fax</td>
<td>Fax number of distributor.</td>
</tr>
<tr>
<td>Distributor.URL</td>
<td>URL of distributor.</td>
</tr>
<tr>
<td>Distributor.Email</td>
<td>Email address of distributor.</td>
</tr>
<tr>
<td>Distributor.Website</td>
<td>Website of distributor.</td>
</tr>
<tr>
<td>Dissemination.DisseminationID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Dissemination.DistributorID</td>
<td>Foreign Key, Distributor Table</td>
</tr>
<tr>
<td>Dissemination.Medium</td>
<td>Primary data storage medium for distributing object from dissemination service: CD-ROM, DVD, URN, URL, FTP.</td>
</tr>
<tr>
<td>Dissemination.PublicAccessPoint</td>
<td>Primary Access Point for distributing object to the public from dissemination service (http://...; ftp://...).</td>
</tr>
<tr>
<td>Dissemination.InternalLocation</td>
<td>Path and folder name of location from which object is distributed from internal dissemination service.</td>
</tr>
<tr>
<td>Dissemination.DissemSize</td>
<td>Size of object disseminated in Bytes</td>
</tr>
<tr>
<td>Dissemination.StartDate</td>
<td>Date dissemination service began disseminating object.</td>
</tr>
<tr>
<td>Dissemination.EndDate</td>
<td>Date dissemination service discontinued disseminating object.</td>
</tr>
<tr>
<td>Dissemination.DIPDescription</td>
<td>File Inventory of all files included in the Dissemination Information Package (DIP) submitted to dissemination service for distribution.</td>
</tr>
<tr>
<td>Dissemination.DissemCharge</td>
<td>Amount received from dissemination service for distributing object.</td>
</tr>
<tr>
<td>Dissemination.DissemChargeUnit</td>
<td>Monetary unit of DissemCharge.</td>
</tr>
<tr>
<td>Dissemination.OriginalPublisher</td>
<td>Flag indicating that dissemination is by Original</td>
</tr>
<tr>
<td>Table Name</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Dissemination.PrimaryDistributor</td>
<td>Flag indicating that dissemination is by Primary Distributor: N. Y.</td>
</tr>
<tr>
<td>DissemAltPoint.DissemAltPointID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>DissemAltPoint.DisseminationID</td>
<td>Foreign Key, Dissemination Table</td>
</tr>
<tr>
<td>DissemAltPoint.AltAccessPoint</td>
<td>Alternate access point disseminating object (http://..., ftp://...)</td>
</tr>
<tr>
<td>DissemAltPoint.StartDate</td>
<td>Date started disseminating object at alternate access point.</td>
</tr>
<tr>
<td>DissemAltPoint.EndDate</td>
<td>Date stopped disseminating object at alternate access point.</td>
</tr>
<tr>
<td>DissemAltPoint.Note</td>
<td>Note on alternate dissemination point.</td>
</tr>
<tr>
<td>ProvDissemination.ProvDisseminationID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>ProvDissemination.DisseminationID</td>
<td>Foreign Key, Dissemination Table, part of Alternate Key</td>
</tr>
<tr>
<td>ProvDissemination.ProvenanceID</td>
<td>Foreign Key, Provenance Table, part of Alternate Key</td>
</tr>
<tr>
<td>ProvDissemination.RootPath</td>
<td>Directory path where object is disseminated within group.</td>
</tr>
<tr>
<td>ProvDissemination.StartDate</td>
<td>Date object began being disseminated within group.</td>
</tr>
<tr>
<td>ProvDissemination.EndDate</td>
<td>Date object no longer disseminated within group.</td>
</tr>
<tr>
<td>ProvDissemination.Note</td>
<td>Note on object dissemination within group.</td>
</tr>
<tr>
<td>PDFFileList.PDFFileListID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>PDFFileList.ProvDissemID</td>
<td>Foreign Key, ProvDissemination Table</td>
</tr>
<tr>
<td>PDFFileList.FileName</td>
<td>Name of the file listing files disseminated in dissemination.</td>
</tr>
<tr>
<td>PDFFileList.StartDate</td>
<td>Date the listed files were included in dissemination.</td>
</tr>
<tr>
<td>PDFFileList.EndDate</td>
<td>Date the listed files were no longer in dissemination.</td>
</tr>
<tr>
<td>PDFFileList.Note</td>
<td>Note about the list of files included within dissemination.</td>
</tr>
<tr>
<td>Catalog.CatalogID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Catalog.CatalogName</td>
<td>Name of the catalog where an object is registered: SEDAC, CIESIN, EDGRS, ESIP, DLESE, NSDL.</td>
</tr>
<tr>
<td>Catalog.URL</td>
<td>URL of the catalog where an object is registered.</td>
</tr>
<tr>
<td>Catalog.ContactInfo</td>
<td>Contact information for a</td>
</tr>
<tr>
<td>Field Name</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>CatalogEntry.CatalogEntryID</td>
<td>Database generated, Primary Key.</td>
</tr>
<tr>
<td>CatalogEntry.DisseminationID</td>
<td>Foreign Key, Dissemination Table.</td>
</tr>
<tr>
<td>CatalogEntry.CatalogID</td>
<td>Foreign Key, Catalog Table.</td>
</tr>
<tr>
<td>CatalogEntry.EntryID</td>
<td>Unique Identifier in the catalog for the record describing the object.</td>
</tr>
<tr>
<td>CatalogEntry.Submission</td>
<td>Date description of entry was submitted to a catalog.</td>
</tr>
<tr>
<td>CatalogEntry.StartDate</td>
<td>Date catalog entry was available.</td>
</tr>
<tr>
<td>CatalogEntry.EndDate</td>
<td>Date catalog entry was no longer available.</td>
</tr>
<tr>
<td>CatalogEntry.EntryStatus</td>
<td>Status of catalog entry: None, Partial, Complete, Removed.</td>
</tr>
<tr>
<td>CatalogEntry.EntryDesc</td>
<td>Description of the dissemination included in the fields of the entry.</td>
</tr>
<tr>
<td>CatalogEntry.EntryLastUpdate</td>
<td>Date of the last update to the catalog entry for the object.</td>
</tr>
<tr>
<td>CatalogEntry.Note</td>
<td>Note about the catalog entry for an object.</td>
</tr>
<tr>
<td>Location.LocationID</td>
<td>Database generated, Primary Key Storage</td>
</tr>
<tr>
<td>Location.LocType</td>
<td>Type of location. Onsite Offline Archive, Offsite Offline Archive, Onsite Processing, Onsite Network, Onsite Storage Shelves.</td>
</tr>
<tr>
<td>Location.LocName</td>
<td>Name of the Location. CIESIN Archival Facility, GISS Computer Room, Geoscience Computer Room, Geoscience Storage Room.</td>
</tr>
<tr>
<td>Location.LocDesc</td>
<td>Description of the archival facilities at the location.</td>
</tr>
<tr>
<td>Location.LocAGENT</td>
<td>Name of the individual responsible for the location.</td>
</tr>
<tr>
<td>LocationParam.LocationParamID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>LocationParam.LocationID</td>
<td>Foreign Key, Location Table</td>
</tr>
<tr>
<td>LocationParam.ParamName</td>
<td>Name of the parameter measured at the location: Temperature, High Temperature, Low Temperature, Humidity, High Humidity, Low Humidity, Inventory, Recovery Test.</td>
</tr>
<tr>
<td>LocationParam.ParamValue</td>
<td>Value of the parameter</td>
</tr>
<tr>
<td>Table Name</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>LocationParam.ParamUnit</td>
<td>Unit of measurement for recorded value measured at location: Degrees Fahrenheit, Percentage.</td>
</tr>
<tr>
<td>LocationParam.ParamDate</td>
<td>Date and time of measurement.</td>
</tr>
<tr>
<td>LocationParam.ParamNote</td>
<td>Note on instrument or parameter measured.</td>
</tr>
<tr>
<td>Media.MediaID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Media.MediaBrand</td>
<td>Brand of the media: TDK 700 MB 48x Data CD-R.</td>
</tr>
<tr>
<td>Media.MediaPurchaseDate</td>
<td>Date the media was purchased.</td>
</tr>
<tr>
<td>Media.Note</td>
<td>Note about the media.</td>
</tr>
<tr>
<td>Media_Location.LocationID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Media_Location.MediaID</td>
<td>Foreign Key, Media Table</td>
</tr>
<tr>
<td>Media_Location.DepositedOn</td>
<td>Date the archival media was deposited at the location.</td>
</tr>
<tr>
<td>Media_Location.RemovedOn</td>
<td>Date the archival media was removed from the location.</td>
</tr>
<tr>
<td>Media_Location.Note</td>
<td>Note about the archival media housed at a location.</td>
</tr>
<tr>
<td>Event.EventID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Event.MediaID</td>
<td>Foreign Key, Media Table</td>
</tr>
<tr>
<td>Event.Destination</td>
<td>Name of the event: Deposit, Inventory, Audit, Inspection, Virus Check, Media Write, Quality Check, Format Conversion, Removal, Check Out, Bring Forward, Media Request, Media Destruction.</td>
</tr>
<tr>
<td>Event.Procedure</td>
<td>Procedure completed on media during an event.</td>
</tr>
<tr>
<td>Event.Location</td>
<td>Location where the event occurred.</td>
</tr>
<tr>
<td>Event.EventDate</td>
<td>Date and time of event.</td>
</tr>
<tr>
<td>Event.Outcome</td>
<td>Description of the event outcome.</td>
</tr>
<tr>
<td>Event.Note</td>
<td>Note about the event.</td>
</tr>
<tr>
<td>Event.ResponsiblePerson</td>
<td>Individual responsible for the event.</td>
</tr>
</tbody>
</table>

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<p>| Event.RetrievalRecipient                              | Individual who received the media. |
| Event.RetrievalRequestor                             | Individual who requested the media. |
| ProvenanceMedia.ProvenanceMediaID                   | Database generated, Primary Key    |
| ProvenanceMedia.ProvenanceID                         | Foreign Key, Provenance Table      |
| ProvenanceMedia.MediaID                              | Foreign Key, Media Table           |
| ProvenanceMedia.RootPath                             | Path and directory of the object on the media. |
| ProvenanceMedia.WriteDate                            | Date the object was written on the media. |
| ProvenanceMedia.DeleteDate                           | Date the object was deleted from the media. |
| ProvenanceMedia.ValidationProc                       | Signature type used to generate validation key: MD5, SHA-1. MessageDigestAlgorithm |
| ProvenanceMedia.KeyCreationDate                      | Date validation key was generated. |
| ProvenanceMedia.Result                                | Hash value, filename, or path and filename of stored validation signature. MessageDigest |
| ProvenanceMedia.LastCheckDate                        | Date validation key generated and compared with original. |
| ProvenanceMedia.NextCheckDate                        | Date scheduled for validation key comparison. |
| DataFile.DataFileID                                  | Database generated, Primary Key ObjectCategory ObjectIdentifier ObjectIdentifierValue |
| DataFile.ProvenanceMediaID                           | Foreign Key, ProvenanceMedia Table ObjectIdentifierType |
| DataFile.FileName                                     | Name of the file including its extension. |
| DataFile.FileSize                                    | Size of the file in bytes. Size |
| DataFile.ContentType                                 | Type of content in the file: Data, Documentation, Permission, Startup. DependencyIdentifierDependencyIdentifierValue |
| DataFile.MarkupType                                  | Type of markup used to encode contents of file: HTML, SGML, XML. DependencyIdentifierDependencyIdentifierType |
| DataFile.MarkupName                                  | Name of schema and version employed for the MarkupType: TEI DTD, W3C XML. DependencyDependencyName |
| DataFile.MarkupSchema                                | Contents of schema used for the Markup Type. DependencyIdentifierDependencyIdentifierValue |
| DataFile.FileAccessRight                             | Access rights or limitations specific to file: Universal Access -unrestricted, Research Use Only, Educational Use Only, Research and Educational LinkingPermissionStatementIdentifierValue LinkingPermissionStatementIdentifierType |
| DataFile.ExpoofAccessRight | Date access rights or restrictions specific to file expire. |
| DataFile.PreservRestrictn | Preservation rights or limitations for preserving file. |
| DataFile.EncryptionInfo | Description of encryption employed on file. |
| DataFile.AccessInhibitors | Inhibitors to access inherent to the file: Password protection, AAA watermark. |
| DataFile.FileType | MIME Media Type for file in format Content Type/Subtype: application/pdf, audio/mpeg, image/tiff, message/http, model/vrml, multipart/signed, text/html, video/mpeg. |
| DataFile.FileVersion | Version of the MIME Media Type. |
| DataFile.FormatRegistry | Registry to identify the software program used to create or view the file: Pronom. |
| DataFile.RegistryEntry | Entry in the Format Registry for the file format. |
| DataFile.DateModified | Last date and time when file was written or modified. |
| DataFile.PreservFormat | File format is a preservation format: Y, N. |
| DataFile.AltFormat | Alternate or derivative formats that contain contents of file: txt, csv, pdf. |
| DataFile.OriginalFileID | Foreign key to DataFile.DataFileID. DataFileID for original file from which the file is a derivative. |
| DataFile.OriginalFileName | Filename (and extension) for the original source file from which the file described is a derivative. |
| DataFile.Creation | Description of the file creation, coded to record file history: Original file received, Migrated file, |</p>
<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DataFile.RefreshDate</strong></td>
<td>Last date and time file was written to any media.</td>
</tr>
<tr>
<td><strong>DataFile.AccessStartDate</strong></td>
<td>Date when access to file may be granted.</td>
</tr>
<tr>
<td><strong>DataFile.AccessEndDate</strong></td>
<td>Date when access to file ends.</td>
</tr>
<tr>
<td><strong>DataFile.DeaccessionDate</strong></td>
<td>Date when file was deaccessioned from archive.</td>
</tr>
<tr>
<td><strong>FilePart.FilePartID</strong></td>
<td>Database generated, Primary Key</td>
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<tr>
<td><strong>FilePart.DataFileID</strong></td>
<td>Foreign Key, DataFile Table</td>
</tr>
<tr>
<td><strong>FilePart.FilePartType</strong></td>
<td>Type of FilePart: Table, Screenshot, Thumbnail Image, Page Image, Annotation, Mask, Metadata, Text.</td>
</tr>
<tr>
<td><strong>FilePart.FilePartLoc</strong></td>
<td>Location or address of FilePart within the file: Unknown.</td>
</tr>
<tr>
<td><strong>FilePart.FilePartDesc</strong></td>
<td>Description of FilePart differentiated from file.</td>
</tr>
<tr>
<td><strong>Environment.EnvironmentID</strong></td>
<td>Database generated, Primary Key</td>
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<tr>
<td><strong>Environment.DataFileID</strong></td>
<td>Foreign Key, DataFile Table</td>
</tr>
<tr>
<td><strong>Environment.EnvironmentType</strong></td>
<td>Type of environment required for data file: Rendering Software, Display Application, Operating System, Middleware, Hardware CPU, Hardware Peripherals.</td>
</tr>
<tr>
<td><strong>Environment.Title</strong></td>
<td>Title of environment software or hardware required.</td>
</tr>
<tr>
<td><strong>Environment.Description</strong></td>
<td>Description of implementation environment for data file.</td>
</tr>
<tr>
<td><strong>Environment.Documentation</strong></td>
<td>Documentation for the implementation environment.</td>
</tr>
<tr>
<td><strong>Environment.ExpiryDate</strong></td>
<td>Date environment is scheduled to expire or be replaced.</td>
</tr>
<tr>
<td><strong>AccessRestriction.AccessRestrictionID</strong></td>
<td>Database generated, Inhibitor</td>
</tr>
<tr>
<td>Table Name</td>
<td>Description</td>
</tr>
<tr>
<td>------------</td>
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</tr>
<tr>
<td>AccessRestriction.Provenance</td>
<td>Provenance Provenance Table</td>
</tr>
<tr>
<td>AccessRestriction.AccessRestriction</td>
<td>Security category or type of restriction: Onsite Use Only - Confidential Data - No Copying, Permission from Project Director Required, Confidentiality Agreement Required - No Copying or Network Access, Project Director only, Universal Access (unrestricted), Research Use Only, Educational Use Only, Research and Educational Use Only, Non-Commercial Use Only, On-Site Use Only, Signed Confidentiality Agreement Only, CU Personnel Only, CU Addresses Only, Domestic IP Addresses Only, No Online Access.</td>
</tr>
<tr>
<td>AccessRestriction.AccessRestrictionDesc</td>
<td>Description of restriction on access to object.</td>
</tr>
<tr>
<td>AccessRestriction.CurrentDeclaration</td>
<td>Confidentiality agreement or user agreement on restriction.</td>
</tr>
<tr>
<td>AccessRestriction.SecurityNote</td>
<td>Note about the security restriction on object.</td>
</tr>
<tr>
<td>AccessRestriction.SecurityReviewDate</td>
<td>Date security restriction is scheduled for review.</td>
</tr>
<tr>
<td>AccessRestriction.ARStartDate</td>
<td>Date access restriction on object begins.</td>
</tr>
<tr>
<td>AccessRestriction.AREndDate</td>
<td>Date access restriction on object ends.</td>
</tr>
<tr>
<td>Decision.DecisionID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Decision.DecisionType</td>
<td>Type of Decision: Acquisition, Nomination for Dissemination, Nomination for Deaccession, Nomination for Transfer, Nomination for Accession, Dissemination, Disposition, Transfer, Provisional Use, Beta System Dissemination; Production System Dissemination.</td>
</tr>
<tr>
<td>Decision.Decision</td>
<td>Decision about an object for a Decision Type. For Preservation Service: Preserve content, Preserve Original Formats; For</td>
</tr>
</tbody>
</table>
SEDAC: Disseminate, Ancillary Product, Transfer to LTA; For SEDAC Acquisition: redistributed 3rd party data, value-added 3rd party data, SEDAC-developed; For LTA: Public Dissemination, Restricted Dissemination; (Others Considered: Under Review, Disseminate, Delete, Remove) The following 7 categories are not mutually exclusive: Delete; Retire; Long-Term Archive; Archive, But Not Disseminate, SEDAC Disseminate by Type: - Subsets Only, - Web Download - Internet Mapping; Missing; Add to SDP; Consolidate.

<table>
<thead>
<tr>
<th>Decision.MeetingDate</th>
<th>Date when the decision was made.</th>
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</thead>
<tbody>
<tr>
<td>Decision.DecisionActiveDate</td>
<td>Date on which the decision is implemented.</td>
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<tr>
<td>Decision.Authority</td>
<td>Authority deciding the status of an object within the archive: CIESIN Director, CIESIN Deputy Director, CIESIN Associate Director for IS, SEDAC UWG, SEDAC Project Manager, SEDAC Lead Project Scientist, SEDAC Archives Manager, SEDAC Archivist, LTA Board, LTA Manager, LTA Archivist.</td>
</tr>
<tr>
<td>Decision.Note</td>
<td>Note of Rationale or Justification for making the decision.</td>
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<tr>
<td>ProvenanceDecision.ProvenanceDecisionID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>ProvenanceDecision.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
</tr>
<tr>
<td>ProvenanceDecision.DecisionID</td>
<td>Foreign Key, Decision Table</td>
</tr>
<tr>
<td>ProvenanceDecision.Note</td>
<td>Note about the decision in reference to a specific provenance.</td>
</tr>
<tr>
<td>RightOwner.RightOwnerID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>RightOwner.Entity</td>
<td>Organization that owns right for an object or Public Domain.</td>
</tr>
<tr>
<td>RightOwner.Signator</td>
<td>Person who signed document authorizing a right for an object.</td>
</tr>
<tr>
<td>RightOwner.SignatorTitle</td>
<td>Title of signer authorizing a</td>
</tr>
<tr>
<td>RightOwner.SigContactInfo</td>
<td>Contact information for signer authorizing a right for an object.</td>
</tr>
<tr>
<td>---------------------------</td>
<td>---------------------------------------------------------------</td>
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<tr>
<td>RightOwner.Address1</td>
<td>Line 1 of right owner address.</td>
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<tr>
<td>RightOwner.Address2</td>
<td>Line 2 of right owner address.</td>
</tr>
<tr>
<td>RightOwner.City</td>
<td>City of right owner.</td>
</tr>
<tr>
<td>RightOwner.State</td>
<td>State of right owner.</td>
</tr>
<tr>
<td>RightOwner.Country</td>
<td>Country of right owner.</td>
</tr>
<tr>
<td>RightOwner.PostalCode</td>
<td>Postal code for right owner.</td>
</tr>
<tr>
<td>RightOwner.Telephone</td>
<td>Telephone number for right owner.</td>
</tr>
<tr>
<td>RightOwner.Fax</td>
<td>Fax number for right owner.</td>
</tr>
<tr>
<td>RightOwner.Email</td>
<td>E-mail for right owner.</td>
</tr>
<tr>
<td>RightOwner.Website</td>
<td>URL of right owner website.</td>
</tr>
<tr>
<td>RightOwner.Note</td>
<td>Note about right owner.</td>
</tr>
<tr>
<td>Right.RightID</td>
<td>Database generated, Primary Key</td>
</tr>
<tr>
<td>Right.RightType</td>
<td>Type of right held: copyright, license, public domain, contract, Permission.</td>
</tr>
<tr>
<td>Right.RightName</td>
<td>Distribution Right, Usage Right, Preservation Right, Access Right, Print Right.</td>
</tr>
<tr>
<td>Right.RightDesc</td>
<td>Description of the right and intellectual property restrictions or obligations.</td>
</tr>
<tr>
<td>Right.Note</td>
<td>Note on rights for object.</td>
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<tr>
<td>RightHeld.RightHeldID</td>
<td>Database generated, Primary Key</td>
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<tr>
<td>PermissionStatementIdentifi erType</td>
<td>PermissionStatementIdentifi erValue</td>
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<tr>
<td>RightHeld.RightOwnerID</td>
<td>Foreign Key, RightOwner Table</td>
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<tr>
<td>GrantingAgent</td>
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<tr>
<td>RightHeld.ProvenanceID</td>
<td>Foreign Key, Provenance Table</td>
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<tr>
<td>LinkingObject</td>
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<td>RightHeld.RightID</td>
<td>Foreign Key, Right Table</td>
</tr>
<tr>
<td>GrantingAgreementIdentific ation</td>
<td></td>
</tr>
<tr>
<td>RightHeld.RightOrigination</td>
<td>Right granted to others or right received from owner: Granted, Received.</td>
</tr>
<tr>
<td>RightHeld.CurDeclaration</td>
<td>Content of license, contract, or permission statement.</td>
</tr>
<tr>
<td>GrantingAgreementInform ation</td>
<td></td>
</tr>
<tr>
<td>RightHeld.RightDocFile</td>
<td>Filename and directory path of the digital (or scanned) document that authorizes rights for an object.</td>
</tr>
<tr>
<td>RightHeld.RightDocLoc</td>
<td>Location of original printed license, contract, or permission document: Onsite Archive, Offsite Archive, Storeroom, Not Printed.</td>
</tr>
<tr>
<td>RightHeld.BeginDate</td>
<td>Date of execution for rights held or date of contract if not specified.</td>
</tr>
<tr>
<td><strong>RightHeld.ExpiryDate</strong></td>
<td>Date of expiration for rights held or null if no expiration date.</td>
</tr>
<tr>
<td>--------------------------</td>
<td>------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>RightHeld.Receiver</strong></td>
<td>Person who signed document (or agreed to conditions) and is authorized representative to acquire or use object.</td>
</tr>
<tr>
<td><strong>RightHeld.Cost</strong></td>
<td>Cost to acquire object or rights to object.</td>
</tr>
<tr>
<td><strong>RightHeld.CostUnit</strong></td>
<td>Monetary unit for cost to acquire object or rights to object.</td>
</tr>
<tr>
<td><strong>RightHeld.Note</strong></td>
<td>Note on right held for an object.</td>
</tr>
<tr>
<td><strong>RightHeld.RightBrief</strong></td>
<td>Brief description of right held and intended usage group or purpose: Use and distribute freely, Use and distribute only within organization, Distribute for research or educational purposes, Third party distribution, Research use only, Educational use only, Non-commercial use only, Staff use only.</td>
</tr>
<tr>
<td><strong>RightHeld.Request</strong></td>
<td>Request for rights, including the reason to justify authorization.</td>
</tr>
</tbody>
</table>