

Filling Out the File Area Inventory Class

The `<File_Area_Inventory>` contains a reference to a single physical file, and an *Inventory* description detailing the structure in the file. An *Inventory* object is a specific form of delimited table, with defined field names and characteristics.

For additional explanation, see the [PDS4 Standards Reference](#), or contact your PDS node consultant.

Following are the attributes and subclasses you'll find in the *File_Area_Inventory*, in label order.

Note that in the PDS4 master schema, all classes have capitalized names; attributes never do.

<File>

REQUIRED

This class is handled identically in all *File_Area_** classes. It is described in detail on the [Filling Out the File Class](#) page.

<Inventory>

REQUIRED

This is a special form of a *Table_Delimited* data structure. Start by creating a *Table_Delimited* data structure as described in [Filling Out the Table Delimited Data Structure](#), but using these modifications and constraints:

1. Use `<Inventory>` and `</Inventory>` in place of `<Table_Delimiter>` and `<Table_Delimited>`.
2. The value of `<parsing_standard_id>` must be "PDS DSV 1"
3. There must be exactly two `<Field_Delimited>` subclasses.
4. The first *Field_Delimited* class must have:
 1. `<name>` of "Member Status"
 2. `<field_number>` present and set to "1"
 3. `<data_type>` of "ASCII_String"
 4. `<maximum_field_length>` of 1 byte
5. The second *Field_Delimited* class must have:
 1. `<name>` of "LIDVID_LID"
 2. `<field_number>` present and equal to "2"
 3. `<data_type>` of "ASCII_LIDVID_LID"
 4. `<maximum_field_length>` of 255 bytes

[Note that until release 1.6.0.0, the <maximum_field_length> requirement for the LIDVID_LID field mentioned above was not being enforced.]

<reference_type>

REQUIRED

This attribute *must* follow the <Record_Delimited> class and *must* have the value **inventory_has_member_product**.

Inventory File

The corresponding data file must have two columns following the *PDS DSV 1* table standard. That is, your fields may optionally be enclosed in quotes, and you must use whichever one of the standard field delimiters you are going to use in the *field_delimiter* attribute of your <Inventory> class.

The first column must contain either 'P' or 'S', to indicate whether the product is a primary or secondary member, respectively, of the collection. The second column contains the LID or LIDVID of the product to be included in the collection (using only a LID means that all versions of that product are considered to be members of the given type).

A *secondary member* is any product that has (or will be) archived as the primary member of another collection. A product must be a primary member of exactly collection - the one that has the same LID as found in the product's LID. A product may be a secondary member of many collections. No product may be both a primary and a secondary member of the same collection.