

# Filling Out the File Area Inventory Classes

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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>

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### 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>

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### 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.*]

In the corresponding data file there must be 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 said you were 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.

**<reference\_type>**

*REQUIRED*

This attribute *must* follow the *<Record\_Delimited>* class and *must* have the value **inventory\_has\_member\_product**.