



SunflowerSystems

SunflowerEnterprise

What's New in Sunflower Assets 4.5

Reference Guide

A Delta Guide Between Versions 4.0 and 4.5

Sunflower Systems

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Printed in the USA 2006.

Rev 45.06.06

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PREFACE

The *What's New in Sunflower Assets 4.5* Reference Guide is your manual for identifying the new features, functionality and enhancements that have been added to **Assets** version 4.5 since version 4.0. This guide provides insight, for current users who have experience with previous versions of Sunflower Assets. The *What's New in Sunflower Assets 4.5* guide is a source of information that references, where applicable, specific user guides that provide detailed instructions on functional use of relevant topics that are addressed in this guide.

This guide includes discussion and reference on the following features and discussion topics:

- Unique Item Identifier Capture
- Unique Identifiers
- XML Technology Enhancements
- Edit Asset Interface Records Enhancements
- Document Search Capabilities
- Context Sensitive Attributes
- Report Presentation
- Background Reporting
- Enterprise Personalization

ABOUT THIS GUIDE

The *What's New in Sunflower Assets 4.5 Reference Guide* is an introduction to the features and functionality now available in the Sunflower Assets 4.5 Release. This guide is not intended to be a comprehensive guide for the entire Sunflower Assets product offering. The discussions provided in this guide address new features, functions and enhancements that have been added to the core product since the last release.

INTENDED AUDIENCE

This guide is written for multiple audiences with different roles that support and use Sunflower Assets 4.5.

ADMINISTRATORS AND FUNCTIONAL USERS

This guide provides administrators and key functional users who are responsible for maintaining and/or configuring Sunflower Assets 4.5 with illustrations and discussions that address new features, fixes and enhancements to the product. This guide assumes that you have knowledge of your operating system and the Oracle database that supports your environment.

DOCUMENT CONVENTIONS

This guide uses the following formatting conventions:

STYLE	MEANING
Bold	Field Term, Menu Name or Screen Name.
<i>Field Value</i>	Input Value or List Of Values.
<i>Emphasis</i>	Emphasized subject.
NOTE:	Provides additional facts.



SUNFLOWER ENTERPRISE

1

New to the Sunflower product suite is Sunflower Enterprise™. Sunflower Enterprise is the new platform for the integration and deployment of one or more of the products provided in the Sunflower suite. By leveraging a central repository of data, Sunflower Enterprise provides a strategic center for all assets across your enterprise as well as through the supply chain and partner network. This section provides you with a brief overview of the products offered from Sunflower Enterprise.

BENEFITS

- Single repository of data which includes practical application, analytical assessment and return on investment capabilities from a single sourced management system
- Ensures compliance with current and future regulations
- Adds relevance and context to the Sunflower suite of products

SUNFLOWER ENTERPRISE SUITE

Sunflower Enterprise consists of the following products which you can opt to purchase and include one or more or all for comprehensive management of your assets throughout your enterprise,

SUNFLOWER ASSETS^R

Sunflower Assets provides a holistic and contextual view of every asset in your enterprise through the various stages of its life from acquisition, management, financial accountability, lease management, IT asset management, physical inventory, storage, to disposal.

SUNFLOWER ASSETS EXPRESS

Sunflower Assets Express is designed for organizations with a relatively small number of assets. Express is provided with a smaller database that limits the number of assets that you can manage in the system to a maximum of 7,500 assets. Additionally, Express does not include the Finance, Inactive or IT Components modules (included in Sunflower Assets).

SUNFLOWER SENTRYTM

Sunflower Sentry helps organizations manage loans of assets to authorized individuals by leveraging the Sunflower Enterprise infrastructure to check-in and check-out assets such as electronic media, documents, parts, specialized tools, office equipment, weapons, safes and keys, tool cribs and more.

SUNFLOWER CONTRACT REPORTSTM

Sunflower Contract Reports enables organizations working with the federal government the power to create, modify and archive Government Reporting Forms with complete accuracy.

SUNFLOWER MOBILETRAKTM

Sunflower MobileTrak supports enterprises that track and manage assets using various types of data collection methods such as bar codes and RFID technology. MobileTrak records and then delivers inventory data back to Sunflower Assets.

SUNFLOWER EXCESSTRAKTM

Sunflower ExcessTrak improves and simplifies excess asset tracking and management. Designed specifically to meet the needs of organizations who rigorously track excess and surplus assets throughout the disposal process, ExcessTrak enables receiving, tracking and management of excess assets.

SUNFLOWER PACKTRAKTM

Sunflower PackTrak facilitates the tracking of assets as they are prepared for delivery, packed, shipped and received. PackTrak quickly and accurately captures changes in responsible parties in addition to asset condition data during packing, shipping and receiving.

Your enterprise can contain one or more or all product offerings provided by the Sunflower Enterprise suite. Each product contains a specific set of modules based on the products purchased and their respective functionality. Refer to the chart below to learn more about the modules included in each Sunflower product.

Sunflower Enterprise							
	Sunflower Products						
	Sunflower Assets	Sunflower Assets Express	Sunflower Contracts	Sunflower Sentry	Sunflower MobileTrak*	Sunflower ExcessTrak*	Sunflower PackTrak*
Agreements	X	X	X				
Management	X	X		X			
Inactive	X		X				
Finance	X						
Excess	X	X	X	X			
Review	X	X	X	X			
IT Components	X						
Administration	X	X	X	X			
Contracts			X				
Sentry				X			
MobileTrak					X		
ExcessTrak						X	
PackTrak							X
HTML Transaction Pages	X	X	X	X			
Stock Asset Management	X		X				

* Requires the purchase of Sunflower Assets

User guides on each of the Sunflower Enterprise products is available for download from Customer Care. Refer to the Assets guide for information covering Sunflower Assets and Sunflower Assets Express.



IUID WITH SUNFLOWER ASSETS

This chapter addresses the new integration of the Department of Defense's Item Unique Identification (IUID) standard and how Sunflower Systems has incorporated these standards into version 4.5 of Sunflower Assets.

OBJECTIVES

By the end of this chapter, you will be able to:

- Define Asset Identifiers, UIIs and UIDs
- Capture a UII
- View UIDs

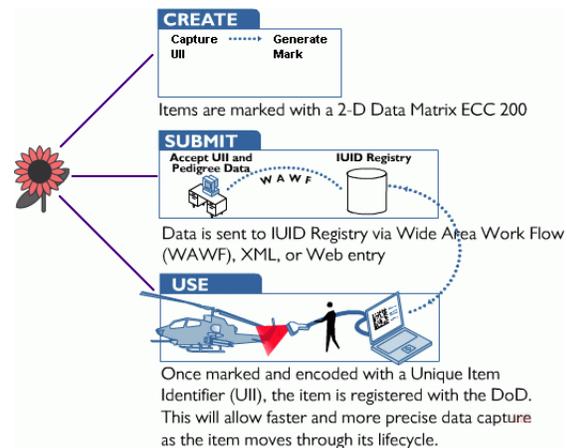
ABOUT IUID

Item Unique Identification (IUID) is the new standard of for individual item identification defined and set forth by the Department of Defense (DoD) to support the DoD, it's partners and contractors to manage property in a more effective manner. The IUID Registry replaces the annual DD Form 1662 reporting requirements for Property in Possession of Contractors (PIPC). Contracts will be required to submit Government Furnished Property (GFP) to the IUID Registry. The implementation of IUID has been phased in its approach. As of January 2006 all government furnished property (GFP) is now required to meet the IUID policy requirements set forth by the DoD. By September 2006, all contractors should have an online account for registry of GFP. By September 2007, all existing serialized assets should be submitted to the IUID registry and by 2010 it is expected that complete IUID marking of all legacy items will be fully implemented.

In line with the IUID requirement, the Sunflower Enterprise (Enterprise) has expanded its scan engine capabilities beyond the support of 1D barcodes, the traditional asset identifier (barcode, tag) commonly used since the inception of Sunflower Assets. Now, the Enterprise also supports 2D data matrices and Radio Frequency Identification (RFID) technology. Both 2D Data Matrix and RFID provide advanced technologies over that of 1D barcode asset tagging and management. In conjunction with RFID, Sunflower Assets can accommodate multi-tag scanning, thereby making it possible to scan more than one asset in a given location with one push of the scan button. Furthermore, with the incorporation of a wedge scanner, the Enterprise will read and interpret scan symbologies whether RFID, 1D or 2D barcodes to support the capture, generation and management of asset UIIs and the upload process to the IUID registry. IUID has many benefits which include,

- Improvement of item acquisition, deployment and repair processes
- Increased business intelligence
- Increased audit improvements
- Decreased asset management costs
- Increased productivity

Two terms that you are likely to hear often and in conjunction with one another are the terms "UII" and "IUID". A UII is a unique item identifier that is created and assigned a specific asset. The UII is never changed and is permanent through the life of the product. The UII may be applied virtually or physically to an asset. When applied virtually, the UII for each asset is maintained in a directory/repository. When the UII is physically applied to an asset (in the form of a two-dimensional data matrix symbol (2D mark)); is referred to as a 2D mark or simply, a mark.



A mark is a two-dimensional matrix symbology containing dark and light square data modules. It has a pattern of two solid lines and two alternating dark and light lines on the perimeter of the symbol. A two-dimensional imaging device such as a charge-coupled device camera is necessary to scan the symbology. Data Matrix is designed with a fixed level of error correction capability. It supports industry standard escape sequences to define international code pages and special encoding schemes. Data Matrix is used for small item marking applications using a wide variety of printing and marking technologies.¹ The illustration below depicts a sample data matrix symbol:



Figure 2-1: 2D Data Matrix Mark

A UII is a set of data elements that is encoded in a Data Matrix symbol. The set of data elements that are encoded are driven by the method used to construct the UII. Construct a UII in one of the following predefined ways,

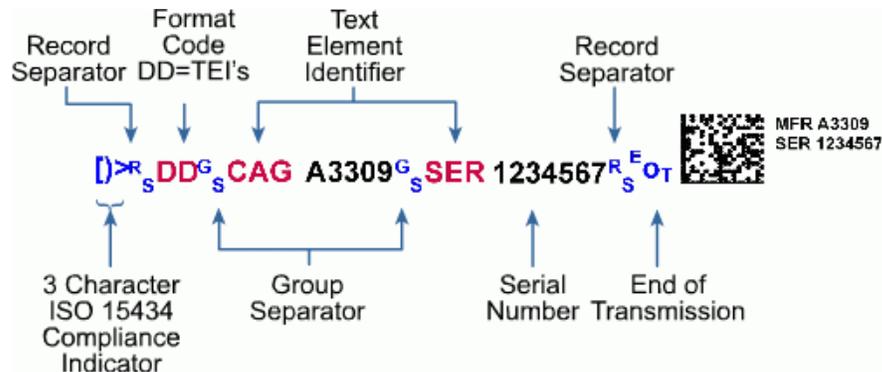


Figure 2-2: Encoded UII in a 2D Mark

- Construct #1 - combination of a serial number and the enterprise identifier (CAGE code)
- Construct #2 - combination of enterprise identifier, serial number and the original part, lot or batch number
- A DoD recognized IUID equivalent

The UII data elements must be precisely encoded in a message string, which is assembled to comply with the syntax formats of ISO/IEC 15434, Transfer Syntax for High Capacity Automatic Data Capture Media. Fifth, the concatenated UII has to be formed and transmitted to the IUID Registry.

Seems complex? Sunflower Enterprise takes the complexity out of the IUID registration process by enabling you to define the process using intuitive forms and wizards to guide you through the process quickly and efficiently. The Sunflower Enterprise 4.5 contains the features required to create, maintain and manage the generation of UIIs, marks and item registration with the DoD. The creation and registration process is a simple procedure performed within the Enterprise,

1. Create UIIs
2. Generate Marks
3. Submit UII data to IUID Registry using Sunflower Enterprise's XML submission process

For additional information, see the **Sunflower Enterprise 4.5 User Guide**.

¹Integrated List Of Existing Item Unique Identification (IUID) Definitions And Acronyms. <http://www.acq.osd.mil/dpap/UIID/attachments/Integrated%20List%20of%20Existing%20IUID%20Definitions.doc>.

ASSET IDENTIFIERS, UIIS AND UIIDS

In the Sunflower Enterprise, the process of defining a name for an item has long been known as the creation of an Asset Identifier. Now, in Enterprise 4.5 you can label an asset using one or more naming conventions which include the use of both unique item identifier and unique identifiers. What's the difference?

ASSET IDENTIFIER

An asset identifier provides sufficient data to establish the essential characteristics of an item that give the item its unique character and differentiate it from other supply items. Simply put, an asset identifier is a code defined by your organization's business process that allows you to label and identify an item. In the Sunflower Enterprise the identifier (i.e. Barcode, Tag, etc.) is the name assigned to the asset.

Every asset can have one or more asset identifiers. For example, a Dell laptop is assigned an asset identifier of 1234. This identifier will display in the **Identifier** field and the **Other Identifiers** field.

UNIQUE ITEM IDENTIFIER (UII)

The unique item identifier. A UII is a set of data elements marked on an item that is globally unique and unambiguous. For items that are serialized within the enterprise identifier, the UII data set includes the data elements of the enterprise identifier and a unique serial number (Construct #1). For items that are serialized within the part, lot or batch number within the enterprise identifier, the UII data set includes the data elements of enterprise identifier, the original part, lot or batch number, and the serial number (Construct #2).

Every asset has one and only one UII. For example, if using construct 1, each Dell laptop has a UII which is specific to the asset based on a construct defined from your organization's cage code and the asset's serial number. If an asset has a UII it will display in the **UII** field.

OTHER IDENTIFIERS

Asset Identifiers that do not meet the UII construct such as the DoD recognized IUID equivalents of Global Individual Asset Identifier (GIAI), Global Returnable Asset Identifier (GRAI), Vehicle Identification Number (VIN), or Electronic Serial Number ((ESN), for cell phones only) or a code defined by your own business process.

An asset can have multiple identifiers. For example, you may use the manufacturer number supplied with each Dell laptop has a **UID**, a manufacturer code of 12078144888 as well as an asset identifier of 1234. All asset identifiers, except the UII, are displayed in the **Other Identifiers** field.

The following sections will address how the Sunflower Enterprise can capture and maintain, UIIDs or a UII for any asset.

CAPTURE A UII

A Unique Item Identifier (UII) is a set of data elements marked on an item that is globally unique and unambiguous. Sunflower Enterprise enables you to capture a UII for each asset. There are two components to UII management, (1) capturing and (2) maintenance. You can capture a UII for an asset from any interest module within Sunflower Enterprise. However, to maintain a UII, generate, print and render a 2D mark, and send the data to the IUID Registry, you must also have Sunflower Contract Reports. This guide addresses the process required to capture UII information.

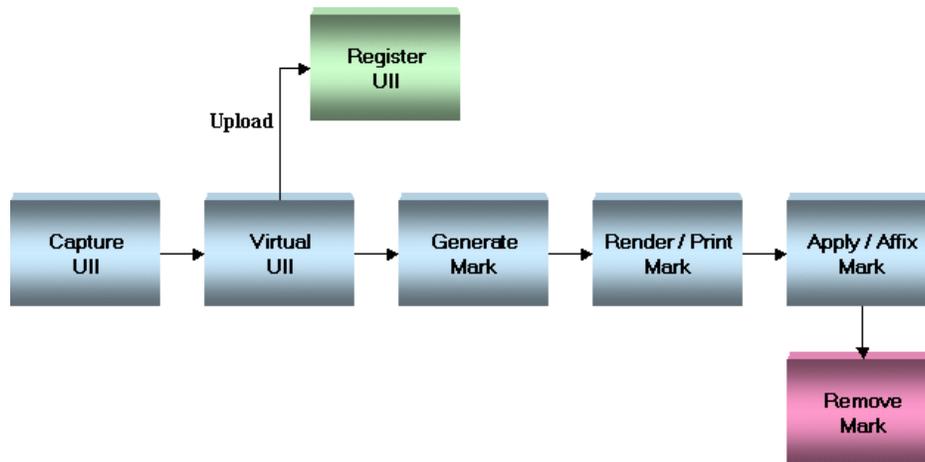


Figure 2-3: Lifecycle of an Asset UII and Mark

Creation of an asset UII is commonly referred to as the capture of a virtual UII. A virtual UII is a UII that is created and maintained within Sunflower Enterprise without marking the asset thereby postponing the physical marking of the item with a 2D mark to a more advantageous time based on your business requirements. Virtual UIIs should be captured for assets that are DoD-owned legacy personal property items that fall into one of the following categories:

1. Unit Acquisition Cost is \$5,000 or more
2. If under \$5,000 and,
 - a. the item is designated by the acquiring activity as DoD serially managed, controlled inventory, or mission essential
 - b. the item is designated by the Program Office, because permanent identification is required

3. Item is a DoD serially managed embedded item
4. Items and embedded items that have already been produced and deployed for use, or placed in inventory or storage pending issue for use
5. Item is a parent item containing embedded subassembly, component or part(s)
6. DoD resident equipment and spares in the possession of contractors.
7. Guidelines set forth by DFARS 211.274-2

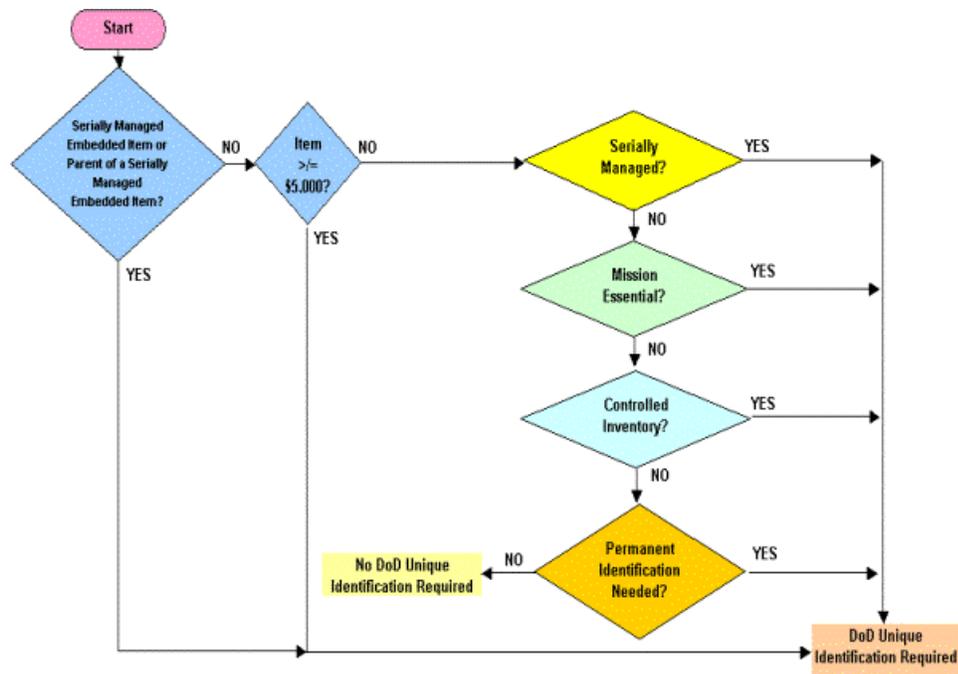


Figure 2-4: DFARS 211.274-2 UII Requirement Workflow Guideline

WEDGE SCANNER UII CAPTURE

UIIs may be captured in two ways. The simplest way in which to capture a UII is with the use of a Wedge scanner.

- Step 1.** Open Sunflower Enterprise to the desired form
- Step 2.** Place your cursor in the Identifier field
- Step 3.** Wedge scan a 2D Mark to display the UII equivalent data elements.

NAVIGATION

- Use Wedge Scanner to scan 2D Mark to display the UII.



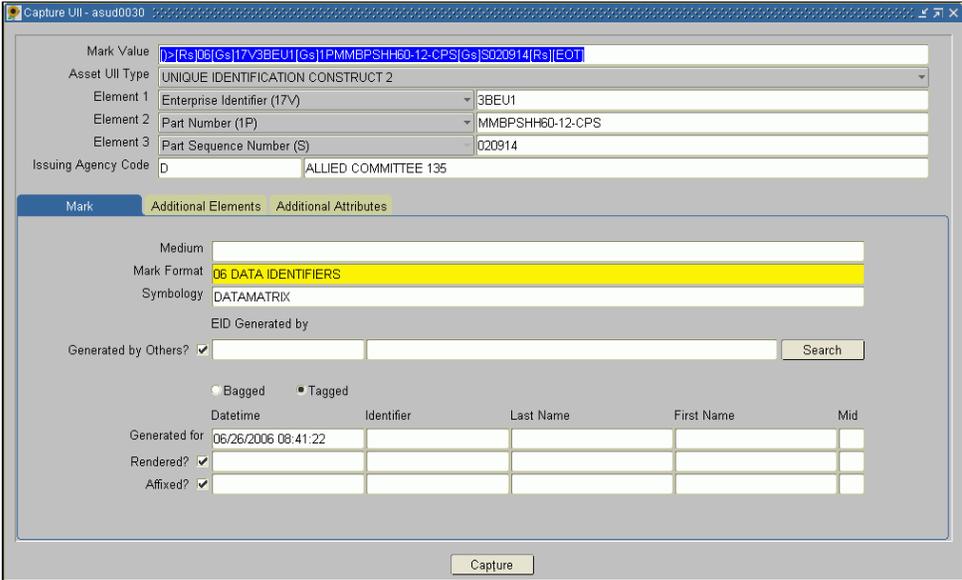
1. Use a Wedge Scanner.

2. Scan a 2D Mark.

3. UII will display in the Identifier field on the Sunflower Enterprise form.

Step 4. Click the tab key to view the details of the captured mark on the Capture UII form.

- NAVIGATION**
- Click Agree
 - Click Maintain Agreements Assets



Step 5. Click **Capture** to save the UII for the asset record.

MANUAL UII CAPTURE

Another option is to capture a UII by manually defining the UII. Use the **Capture of Asset UII** form accessible from any Maintain [Interest Asset] Asset screen to access and define a UII manually. A UII may be captured for existing or new assets.

NAVIGATION

- Click Agree
- Click Maintain Agreements Assets

The screenshot shows the 'Maintain Agreement Assets' form for DEFENSE NDS01. The form is titled 'Maintain Agreement Assets - asag2010 (Page 1 of 3)'. The 'Ull' field is set to 'None Captured'. The 'Identifiers (2)' field shows 'AGR / 12304'. The 'Type' field is set to 'Existing Interest asset'. The 'Identifier' field is set to '12304'. The 'Unique Name' field is empty. The 'Default Location*' field is empty. The 'Catalog Identifier' field is set to '1147'. The 'Commodity Asset' checkbox is checked. The 'Parents' field is set to '0'. The 'Children' field is set to '0'. The 'C/P/A' field is empty. The 'Manufacturer' field is set to 'AGILENT'. The 'Model' field is set to '10076A'. The 'Official Name' field is set to '250MHZ HIGH VOLTAGE PROBE'. The 'Model Name' field is set to 'AGILENT 10076A'. The 'Serial Number' field is set to '12304'. The 'Drawing No.' field is empty. The 'Initial Event' field is set to 'SUBJECT TO AGREEMENT'. The 'User Fields*' field is empty. The 'Asset Value*' field is set to '\$6,000.00'. The 'Acquisition Date' field is set to '05/01/2006'. The 'Responsibility Date' field is set to '05/01/2006'. The 'Asset Condition' field is set to '1 UNUSED - GOOD'. The 'Effective Date' field is set to '06/14/2006'. The 'Expected Return Date' field is empty. The 'Alternate Id 1' field is empty. The 'Alternate Id 2' field is empty. The 'Alternate Id 3' field is empty. The 'Asset Source' field is set to 'GOVERNMENT FURNISHED PROPERTY'. The 'Agr Classification' field is set to 'SPECIAL TEST EQUIPMENT'. The 'Activity Status' field is set to 'IN SERVICE'. The 'Flags*' field is empty. The 'Activity Type' field is empty. The 'Manager' field is set to 'SUNFLOWER SYSTEMS'. The 'Owner' field is set to 'SUNFLOWER SYSTEMS'. The 'Steward' field is set to 'ASSET CENTER 01'. The 'Rep' field is set to 'ONE A R ACR01'. The 'Custodian' field is empty. The 'Last Name*' field is empty. The 'First' field is empty. The 'Mid' field is empty. The 'User' field is empty. The 'Last Name*' field is empty. The 'First' field is empty. The 'Mid' field is empty. The 'Location*' field is set to 'LIVERMORE_BUILDING_H_ROOM_101'. The 'Document*' field is set to 'FORM DD1149 REQUISITION AND INVOICE/SHIPPING DOCUMENT_ABC'. The 'User Fields*' field is empty. The 'Global User Fields*' field is empty. The form has three buttons at the bottom: 'Page 2', 'Commodity', and 'Comment / Picture / Attachment'.

Figure 2-5: Maintain Agreements Tabbed Layout

- Step 1.** Navigate to the Maintain [Interest Asset] form, in this example, Maintain Agreement Assets.
- Step 2.** Click the None Captured button corresponding to the UII field. The Capture of Asset UII form displays.
 - None Captured signifies that the asset in question does not have an assigned UII.
- Step 3.** Select an Asset UII Type.
 - Asset UII Types are available for defining Construct 1 or 2 UIIs as well as options for DoD recognized IUID equivalents.

- Based on the Asset UII Type selected, additional fields will display. The following example illustrates the fields shown for the creation of a Construct 1 UII that is comprised of a CAGE code and serial number.

NAVIGATION

- Click None Captured

Step 4. Click the Next Block Item to define fields on the Mark tab.

- Specify the following required fields,
 - Mark Format.
 - Symbology

FIELD NAME	DEFINITION
Mark Value	2D Data matrix string representing the Unique Identifier of the asset; available when the mark is scanned with a wedge.
Asset UII Type	The long name for the asset's UID type.
Issuing Agency Code	An issuing agency is an organization responsible for assigning a non-repeatable identifier to an enterprise.
Medium	The asset mark medium's long name.
Mark Format	The asset mark format's long name.
Symbology	The asset mark symbology's long name.

FIELD NAME	DEFINITION
Bagged	Flag which indicates that the mark has been applied to a container or directly applied to an asset.
Tagged	Flag which indicates that the mark has been applied to a container or directly applied to an asset.
Affixed?	The date and time that the mark was applied to the asset.
Rendered?	The date and time that the mark was generated.

Step 5. Define Additional Elements (Optional)

NAVIGATION

- Click **Additional Elements**

Mark Value

Asset Ull Type

Element 1

Element 2

Issuing Agency Code

Mark **Additional Elements** Additional Attributes

Qualifier	Value
1	<input type="text"/>
2	<input type="text"/>
3	<input type="text"/>
4	<input type="text"/>
5	<input type="text"/>

Step 6. Define Additional Attribute (Optional)

- NAVIGATION
- Click Additional Attributes

Qualifier	Name	Value
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Step 7. Click the Capture button.

Step 8. The UII will display in the UII field on the Maintain [Interest Asset] Asset form.

NAVIGATION

- Click Additional Elements
- Click the Capture button

Maintain Agreement Assets - asag2010 (Page 1 of 3)

Agreement Assets for DEFENSE NDS01

UII UID1 / D06140612304

Identifiers (2) INV / 123-04

Identifier	Type	Identifier
12304	Existing Interest asset	INV 123-04

Unique Name

Default Location*

Catalog Identifier* 1147 Commodity Asset Parents 0 Children 0 C/P/A

Manufacturer AGILENT Model 10076A

Official Name 250MHZ HIGH VOLVAGE PROBE Model Name AGILENT 10076A

Serial Number 12304 Drawing No.

Initial Event SUBJECT TO AGREEMENT User Fields*

Asset Value* \$6,000.00 Acquisition Date 05/01/2006 Responsibility Date 05/01/2006

Asset Condition 1 UNUSED - GOOD Effective Date 06/14/2006 Expected Return Date

Alternate Id 1 Alternate Id 2 Alternate Id 3

Asset Source GOVERNMENT FURNISHED PROPERTY Agr Classification SPECIAL TEST EQUIPMENT

Activity Status IN SERVICE Flags* Activity Type

Manager SUNFLOWER SYSTEMS Owner SUNFLOWER SYSTEMS

Steward ASSET CENTER 01 Rep ONE A R ACR01

Custodian Last Name* First Mid

User Last Name* First Mid

Location* LIVERMORE_BUILDING_H_ROOM_101

Document* FORM DD1149 REQUISITION AND INVOICE/SHIPPING DOCUMENT_ABC

User Fields*

Global User Fields*

Page 2 Commodity Comment / Picture / Attachment

VIEW UIDS

Unique Identification is a methodology used to identify an asset where the construct of the UID does not meet the requirements of UII. As a result, a UID is any identifier other than that of a UII that may be used to tag and track an asset within your organization. A UID comes in numerous forms and can be as simple as a system generated identifier, an identification system designed by your organization, enterprise identification number (EIN), vehicle identification number (VIN) and more.

If an asset record has one or more names by which the asset can be retrieved from the Sunflower Asset's database, then the names will be available from the **Other Identifiers** field. Use the **Other Identifiers** field to view the list of identifiers associated to an asset record.

NAVIGATION

- Click Agree
- Click Maintain Agreements Assets

The screenshot shows the 'Maintain Agreement Assets' form for asset 12304. The 'Identifiers (2)' dropdown menu is open, displaying a table of identifiers:

Type	Identifier
Existing Interest asset	INV 123-04

Other visible fields include: Identifier: 12304, Unique Name: (empty), Default Location: (empty), Catalog Identifier: 1147, Manufacturer: AGILENT, Official Name: 250MHZ HIGH VOLVAGE PROBE, Serial Number: 12304, Initial Event: SUBJECT TO AGREEMENT, Asset Value: \$6,000.00, Asset Condition: 1 UNUSED - GOOD, Acquisition Date: 05/01/2006, Responsibility Date: 05/01/2006, Effective Date: 06/14/2006, Asset Source: GOVERNMENT FURNISHED PROPERTY, Activity Status: IN SERVICE, Manager: SUNFLOWER SYSTEMS, Steward: ASSET CENTER 01, Location: LIVERMORE_BUILDING_H_ROOM_101, Document: FORM DD1149 REQUISITION AND INVOICE/SHIPPING DOCUMENT__ABC.

Step 1. Click the drop-down list of values to view the Identifiers assigned to the property record.

Step 2. Click the Details icon adjacent to the Identifiers field to drill down to the **View Asset Unique Identifier** form.

NAVIGATION

- Click Agree
- Click Maintain Agreements Assets
- Click Click the Details icon

Type	Identifier	Start Datetime	Stop Datetime
INV	123-04	06/14/2006 08:35:47	

Mark Value

Symbology

Type

EID Generated by

Bagged Tagged

Datetime Identifier Last Name

Generated For

Rendered

Affixed

Removed

Step 3. Use the View Asset Unique Identifier form to view the additional identifiers assigned to the assets as well as view any Mark details, if applicable, for the asset.

Step 4. Click the Exit icon to return to the prior form.

For information about the use of Contract Reports see the **Sunflower Contract Reports 4.0 User Guide** available for download from the Sunflower **Customer Care** website.

ADDITIONAL INFORMATION

Sunflower Contract Reports 4.5 contains additional features and capabilities that enable you to mark and upload UIIs to the IUID Registry.

For additional information about the use of UII see the **Sunflower Contract Reports 4.5 User Guide** available for download from the Sunflower [Customer Care](#) website. To access Customer Care requires a Sunflower Passport. Click here to register for a [Sunflower Passport](#).



ADDITIONAL FEATURES

This chapter addresses additional functionality and enhancements available in Sunflower 4.5.

OBJECTIVES

This chapter includes the following discussion points and concepts:

- XML Technology Enhancements
- Document Search
- Edit Asset Interface Records Enhancements
- Context Sensitive Attributes
- Personalization

XML TECHNOLOGY ENHANCEMENTS

XML DOCUMENTS

Sunflower Enterprise can receive and transmit XML documents through any one of our numerous integration points. This capability provides multiple benefits to an end user. XML documents can be used to capture any of the following,

- Agreement Assets
- Excess Asset
- Finance Asset
- Inactive Assets
- Inventory Assets
- Resolutions
- CAGE Codes

Take advantage of Sunflower Enterprise's ability to produce and consume XML documents with the integration of MobileTrak 4.5 which uses XML documents for its exchanges with the Sunflower database. Additionally, XML is used to transmit and register UII (Unique Item Identification) data to the DoD (Department of Defense) IUID (Item Unique Identification) Registry.

There are numerous benefits to the use of XML. Two primary benefits include,

1. XML document processing is implemented using native ORACLE RDBMS XML features.
2. The upload of XML documents is accomplished via HTTP post, therefore the use of SQL*Loader is not necessary.

```
<?xml version="1.0"?>
<SUNFLOWER_ENTERPRISE_XML_DOCUMENT document_type="MOBILE_FILTER_VALUES">
<DOCUMENT_PROPERTIES>
  <DOCUMENT_PROPERTY name="application">MOBILE_TRAK</DOCUMENT_PROPERTY>
  <DOCUMENT_PROPERTY name="application_version">4.5</DOCUMENT_PROPERTY>
  <DOCUMENT_PROPERTY name="filter_name">REVIEW_CAMPAIGNS</DOCUMENT_PROPERTY>
</DOCUMENT_PROPERTIES>
<DOCUMENT_BODY>
...
...
...
</DOCUMENT_BODY>
</SUNFLOWER_ENTERPRISE_XML_DOCUMENT>
```

Figure 3-1: XML Envelop Document

EDIT ASSET INTERFACE RECORDS ENHANCEMENTS

The **Edit Asset Interface Records** screen has been reorganized from its former drop-down navigation functionality to a new tabbed layout which provides for a more intuitive navigational structure. The new construct is due to enhancements of the APIs that support the Edit Asset Interface Records form which has resulted in a corresponding change to the look, feel and usability of the form in several ways which include the following,

- Ability to set column values to NULL

For example, if the Inventory Manager needs to leave a required field blank (i.e. unassigned Custodian) then it is still possible to commit the asset record to the database. Prior to Sunflower Enterprise 4.5, the `as_load_inventory_asset` API could not capture the semantics of this transaction. Now, the `sa_load_column_indicators` table is used by the source to indicate which columns contain a supplied value; this enables the Load-APIs to treat a NULL-value in various `as_load/sa_load` tables as a true NULL value.

- Addition of business & primary key columns to supporting tables

The Load APIs have been enhanced by the addition of business & primary key columns. This enhancement has resulted in the addition of more columns as well as a tabbed canvas layout to the look and feel of the Edit Asset Interface Records forms.

Use the Edit [Inventory, Agreement, Inactive, Financial, Excess] Asset Interface Records screen to move data from the interface tables to the asset record tables and to correct any errors that occur while attempting to load assets to the database.

- Edit Inventory Asset Interface Records
- Edit Agreement Asset Interface Records
- Edit Inactive Asset Interface Records
- Edit Financial Asset Interface Records
- Edit Excess Asset Interface Records

See the following figure for a sample of the new tabbed layout for the Edit Asset Interface Records screen.

NAVIGATION

- Click Mgmt
- Click Edit Inventory Asset Interface Records

The screenshot displays a software window titled "Edit Inventory Asset Interface Records - asmin0040". The window features a tabbed interface with the following tabs: Asset, Asset (Cont.), Location, Initial Event, Final Event, Value Components, Global User Fields, User Fields, Document, Commodity, and Indicators. The "Asset" tab is currently active, showing a form with the following fields:

- Load Group, Record Group, Processed, Ignore Indicators (checkbox), and Go To Error (button).
- Asset Identifier section: Action, Interest Entity, Inventory Asset Id, Prefix, Name, Existing Interest Identifier, and Asset ID.
- Identifier section: Unique Name.
- Asset Identifier Type section: Asset Identifier Type, Code, and Description.
- Manager section: Manager, Code, and Name.
- Owner section: Owner, Code, and Name.
- Steward section: Steward, Code, and Name.
- Catalog section: Catalog, Identifier*, and Code.
- Manufacturer section: Manufacturer, Code, Name, and Model Name.
- Model section: Model.
- Official Name section: Official Name.
- Asset Type section: Asset Type, Code, and Description.
- Serial Number section: Serial Number and Drawing No.
- Flags section: A row of 10 checkboxes labeled 1 through 10.
- Acquisition Date, Release Datetime, Responsibility Date, Accept Datetime, Effective Date, and Expected Return Date.

Figure 3-2: Edit Inventory Asset Interface Records Tabbed Layout

For additional information about the using the Edit Interface Records screen, see the PO Interface chapter of the **Sunflower Assets 4.5 User Guide**.

DOCUMENT SEARCH

New to Sunflower Enterprise 4.5 is the ability to search for attachments/documents that are attached to asset records. Not only will the document search feature enable you to search and retrieve documents but it will also let you search and retrieve comments, or document content in formats such as word documents, excel and PDF files. The feature searches all attachments in the database (i.e. if there are documents attached to an asset record, 1149 or otherwise), you will be able to search and retrieve that data. The search and retrieval process is similar to the retrieval process used to view documents attached to a specific property record which returns a scored list of relevant items from which you can select one or more desired items to view.

End user ease of use is high. From a technical perspective, the search function is an Oracle text object that requires one extra table and 2 extra indexes. The document search feature is not enabled automatically. To enable, use the separate set of scripts provided on the installation CD to run and install the search component to enable document searching. Once installed, perform the following to search for attachments and/or comments.

NAVIGATION

- Click Search Attachments and Comments



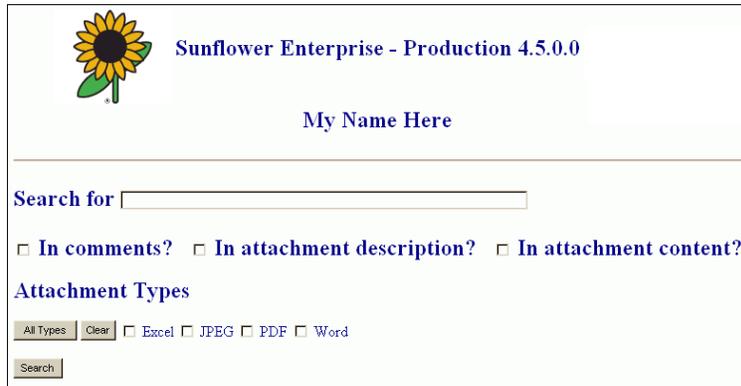
Step 1. From the Production page, click the Search Attachments and Comments hyperlink. The search form will display.

NOTE: Notice the new look and feel for Sunflower Assetse 4.5. This look and feel is achieved with the use of a cascading style sheet. For more information see “New Report Presentation with Cascading Style Sheets” on page 32

Take note that the Search menu looks and feels similar to a Report or HTML transaction page. To further personalize the look and feel you can opt to apply a cascading style sheet.

NAVIGATION

- Click Search Attachments and Comments
- Select search parameters
- Click SEARCH



Sunflower Enterprise - Production 4.5.0.0

My Name Here

Search for

In comments? In attachment description? In attachment content?

Attachment Types

All Types Excel JPEG PDF Word

Step 2. Enter search parameters

- Enter search terms in the **Search for** field to search for all documents and/or comments.
- Select one or more option in which to search for your key word(s)
 - In comment ?
 - In attachment description?
 - In attachment content?
- Select one or more Attachment Types that you want to retrieve if the keyword(s) have a match in the specified type.
 - Excel document
 - JPEG (graphic) file
 - PDF document
 - Word document

Step 3. Click SEARCH to view any returned hits.

NAVIGATION

- Click Search Attachments and Comments
- Select search parameters
- Click SEARCH
- Click Select to view



Sunflower Enterprise - Production 4.5.0.0

My Name Here

Search for

In comments?
 In attachment description?
 In attachment content?

Attachment Types

Excel
 JPEG
 PDF
 Word

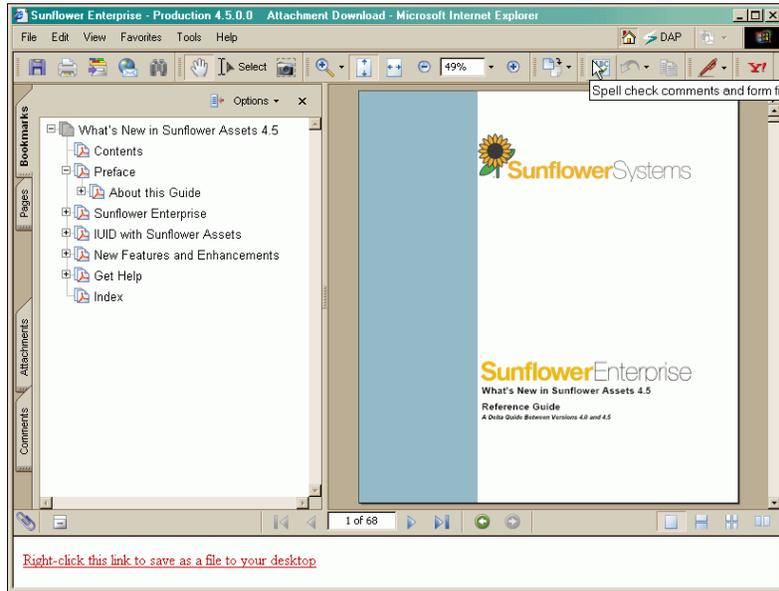
Search Results

Select?	Attachment Description Score	Attachment Content Score	Name	Type	Size	Description	Captured For
<input type="button" value="Open"/>							
<input type="checkbox"/>	0	8	Setting Personal Default Field Values.doc	Word	139776	Setting Personal Default Field Values	INVENTORY ASSET 0101
<input type="checkbox"/>	0	8	What's New in SFA45 DRAFT.pdf	PDF	1159061	What's New in SFA 4.5	INVENTORY ASSET 0101

Step 4. Check the select box and OPEN to view or simply click the hyperlinked document name to view the details of the file.

NAVIGATION

- Click Search Attachments and Comments
- Select search parameters
- Click Search
- Click Select box
- Click Open to view



CONTEXT SENSITIVE ATTRIBUTES

While extension by context was new with the release of Sunflower Enterprise 4.1, context sensitivity has been incorporated into several new forms in release 4.5. There are many Sunflower screens that enable you to view additional context sensitive information about an asset record. There is code working in the background that turns on different labels and fields depending on the navigation (action) you use to access this object. Besides controlling the look and feel of the user interface, the context extension feature can be used to enhance the display of the screens to flag any alerts or display additional information for a personalized look and feel that best suits your organization's needs. The following example illustrates how you can use delivered user code to enhance the look feel of the interface to display an alert that will inform the user that an asset is sensitive, you could enable the context sensitive attribute to display a message that displays a short message for every asset viewed that has an asset flag type of sensitive assigned to the asset.

NAVIGATION

- Click Mgmt
- Click Maintain Inventory Assets
- Enter Asset Identifier
- Click Tab key to display

The screenshot shows the 'Maintain Inventory Assets' form. At the top, there is a text box containing the text 'THIS ASSET IS SENSITIVE' which is highlighted in yellow. Below this, the form contains various fields for asset information:

- Identifier: 010
- Manufacturer: APPLE
- Model: DUO DOCK
- Asset Value: \$4,500.00
- Acquisition Date: 01/01/1995
- Responsibility Date: 01/01/1995
- Activity Status: IN SERVICE
- Manager: SUNFLOWER SYSTEMS
- Steward: ASSET CENTER 01
- Custodian: 050698
- User: Last Name: DOE
- Location: LIVERMORE_BUILDING_G_ROOM_200

At the bottom of the form, there are buttons for 'Page 2', 'Commodity', 'Comment / Picture / Attachment', and 'Re-Request'.

The text box (highlighted) above the grid lists contextual information about a selected asset in the grid. The information displayed is user code dependent and its content can be modified by using the **SA_PRESENTATION_TIERU** package **GET_AST_DESCRIPTOR** function. In this example, the highlighted field above the grid (asset alerter field) displays a note alerting the user that the asset displayed is sensitive, however, you can set up this field to display information that is pertinent to your organization. Note that this feature is not active until you modify the user code.

See “Context-Based Presentation for Assets” on page 42 for more information.

NEW REPORT PRESENTATION WITH CASCADING STYLE SHEETS

Use cascading style sheets (CSS) to personalize the look and feel of Sunflower Report forms, report outputs and HTML Transaction pages. With the use of a stylesheet you can personalize any of the following,

- Header Logo/text
- Background Color
- Page Text
- Footers

Review the images below to compare and contrast the standard report presentation without a cascading style sheet and with a cascading style sheet. Note that the applied style sheet is factory delivered for your use or you can create and apply your own custom designed style sheet.

REPORT MAIN MENU FORM	SUNFLOWER ENTERPRISE 4.5
PRIOR TO SUNFLOWER ENTERPRISE 4.5	SUNFLOWER ENTERPRISE 4.5
	

REPORT CRITERIA SELECTION FORM	
PRIOR TO SUNFLOWER ENTERPRISE 4.5	SUNFLOWER ENTERPRISE 4.5
 <p>Sunflower Enterprise - Production 4.5.0.0 Management Reports</p> <p>ASMN6030 Inventory Assets (Global Information)</p> <hr/> <p>How Would You Like to Select the Assets that Appear on the Report?</p> <p>Manager <input type="text"/></p> <p>Owner <input type="text"/></p> <p>Steward <input type="text"/></p> <p><input type="checkbox"/> Include the Steward's child Organizations</p> <p>Official Name <input type="text"/></p> <p>Manufacturer <input type="text"/></p> <p>Model <input type="text"/></p>	<p>SunflowerEnterprise</p> <p>Sunflower Enterprise - Production 4.5.0.0 Management Reports</p> <p>ASMN6030 Inventory Assets (Global Information)</p> <hr/> <p>How Would You Like to Select the Assets that Appear on the Report?</p> <p>Manager <input type="text"/></p> <p>Owner <input type="text"/></p> <p>Steward <input type="text"/></p> <p><input type="checkbox"/> Include the Steward's child Organizations</p> <p>Official Name <input type="text"/></p> <p>Manufacturer <input type="text"/></p> <p>Model <input type="text"/></p>

REPORT VERIFICATION FORM															
PRIOR TO SUNFLOWER ENTERPRISE 4.5	SUNFLOWER ENTERPRISE 4.5														
 <p>Sunflower Enterprise - Production 4.5.0.0 Management Reports</p> <p>ASMN6030 Inventory Assets (Global Information)</p> <hr/> <p>Output format</p> <p><input type="radio"/> Acrobat <input checked="" type="radio"/> HTML <input type="radio"/> Text file export (Excel, Lotus 1-2-3, Access...)</p> <p>Press <input type="button" value="eXecute"/> to run the report with the following parameters</p> <p>(Selection Criteria: 105)</p> <table border="1"> <thead> <tr> <th>Selected by</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>Manager</td> <td></td> </tr> <tr> <td>Owner</td> <td></td> </tr> <tr> <td>Steward</td> <td></td> </tr> </tbody> </table>	Selected by	Value	Manager		Owner		Steward		<p>SunflowerEnterprise</p> <p>Sunflower Enterprise - Production 4.5.0.0 Management Reports</p> <p>ASMN6030 Inventory Assets (Global Information)</p> <hr/> <p>Choose an output format</p> <p><input type="radio"/> Acrobat <input checked="" type="radio"/> HTML <input type="radio"/> Text file export (Excel, Lotus 1-2-3, Access...)</p> <p>Press <input type="button" value="eXecute"/> to run the report in this window or Press <input type="button" value="Background"/> to run the report in the background</p> <p>Selection Criteria: 130</p> <table border="1"> <thead> <tr> <th>Selected by</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>Manager</td> <td></td> </tr> <tr> <td>Owner</td> <td></td> </tr> </tbody> </table>	Selected by	Value	Manager		Owner	
Selected by	Value														
Manager															
Owner															
Steward															
Selected by	Value														
Manager															
Owner															

BACKGROUND REPORT GENERATION

The creation of reports has been enhanced to include a reports scheduler that enables you to schedule reports that are posted to a report queue, generated and displayed in a separate window. Your report builds in the background while you continue to work on other important aspects. In comparison to the classic way of generating reports (still available to you through the use of the eXecute button), there are several benefits to **Background Report Generation** as shown in the following table.

REPORT GENERATION WITH...	
BACKGROUND	EXECUTE
<ul style="list-style-type: none"> • optional* 	<ul style="list-style-type: none"> • standard
<ul style="list-style-type: none"> • schedule multiple reports at a time 	<ul style="list-style-type: none"> • schedule one report at a time
<ul style="list-style-type: none"> • report displays in a new window 	<ul style="list-style-type: none"> • report displays in the same window
<ul style="list-style-type: none"> • efficiently manages report generation with large quantities of data 	<ul style="list-style-type: none"> • efficiently manages report generation with small quantities of data
<ul style="list-style-type: none"> • configurable to receive email notification of generated reports 	<ul style="list-style-type: none"> • not configurable to receive email notification of generated reports

*Note that this feature is not active until you enable using several simple configuration guidelines provided in the Sunflower Enterprise 4.5 installation manual and CD.

The following series of graphics will illustrate how to build a report using the background reporting feature.

Step 1. Navigate to the Reports menu and select a reporting module and desired report (in this example the Inventory Assets Global Information report is selected).

NAVIGATION

- Click **Reports**
- Click **Management Reports**
- Click **Inventory Assets (Global Information)**

Screenshot of the Sunflower Enterprise Management Reports page. The page title is "Sunflower Enterprise" with a subtitle "Sunflower Enterprise - Production 4.5.0.0". Below the title, it says "ASMN6000 Management Reports". A blue banner reads "To run a report, click one of the links below." Below this is a grid of report links:

Inventory Assets (Global Information)	Inventory Asset Summary by Asset Flag
Asset Search	Inventory Asset Summary by Asset Type
Asset Structure	Inventory Asset Timeline
Inventory Asset Activity Summary by Asset Flag	Inventory Asset Utilization
Inventory Asset Activity Summary by Asset Type	Inventory Assets Pending Acceptance by Age
Inventory Asset Final Events	Inventory Assets Pending Release by Age
Inventory Asset History	Inventory Assets with Recently Denied Requests
Inventory Asset Initial Events	Inventory Assets with Requests
Inventory Asset Interface Processing Results	Purchase Order Aging Report
Inventory Asset Ongoing Events	High Volume Shipping Interface Processing Results

At the bottom right of the grid are two buttons: "Previously Run Report" and "Reports Main Menu".

Step 2. Select the Inventory Assets (Global Information) hyperlink (circled above).

Step 3. Select Report Criteria.

Step 4. Click Submit.

Step 5. Select the Report output (i.e. Acrobat, HTML or Text).

NAVIGATION

- Click **Reports**
- Click **Management Reports**
- Click **Management Reports**
- Click **Inventory Assets (Global Information)**
- Select **Report Criteria**
- Click **Submit**
- Select **Report Output**
- Click **Background**

Sunflower Enterprise

Sunflower Enterprise - Production 4.5.0.0 Management Reports

ASMN6030 Inventory Assets (Global Information)

Choose an output format

Acrobat HTML Text file export (Excel, Lotus 1-2-3, Access...)

Press to run the report in this window or Press to run the report in the background

Selection Criteria: 130

Selected by	Value
Manager	
Owner	

Step 6. Click **Background**.

Sunflower displays a pop-up page from which your report is posted to the reports server. Click the Refresh button to display the updated status of the report's progress. Once built the page will display a message noting the completion of the report.

While generating, all other report pages may be closed. Do not close the report generation status window, however, you may minimize the window and continue with other tasks.

NAVIGATION

- Click **Reports**
- Click **Management Reports**
- Click **Management Reports**
- Click **Inventory Assets (Global Information)**
- Select **Report Criteria**
- Click **Submit**
- Select **Report Output**
- Click the **Background** button

ASMN6030 Inventory Assets (Global Information)
Selection Criteria 130
Report Server Job Id 775

Output Format PDF

Status **Running the report Formatting page 29**

Queued Jun 26, 2006 4:30:38 PM

Started Jun 26, 2006 4:30:51 PM

every secs

Step 7. Click **Refresh** to view a periodic updated status of the progression of the generating report.

NAVIGATION

- Click **Reports**
- Click **Management Reports**
- Click **Management Reports**
- Click **Inventory Assets (Global Information)**
- Select **Report Criteria**
- Click **Submit**
- Select **Report Output**
- Click the **Background** button
- Click **Refresh**

ASMN6030 Inventory Assets (Global Information)
Selection Criteria 130
Report Server Job Id 775

Output Format PDF

Status **Finished successfully**

Queued Jun 26, 2006 4:30:38 PM

Started Jun 26, 2006 4:30:51 PM

Finished Jun 26, 2006 4:31:08 PM

[Click here to retrieve the report output](#)

Step 8. Click the report hyperlink to display the report.

SUNFLOWER FORMS PERSONALIZATION

The Sunflower Enterprise is flexible and you can truly make it your own. In doing so, you will find that forms, reports, html transaction pages, and more can be personalized for a custom look and feel. The following tables list guidelines for key areas within the application where you can personal the Enterprise.

- Visual Personalization
- Web Page Configuration
- Authentication Page Configuration
- Report Parameter Page Configuration
- HTML Transaction Page Configuration
- Mobile Server Page Configuration
- Document Search Page Configuration
- Oracle Forms Behavior Personalization
- Context-Based Presentation Configuration

VISUAL PERSONALIZATION

NAME	WHAT DOES IT DO?	ORACLE RELEASES	SUNFLOWER RELEASES	WHERE CONFIGURED
JAVA APPLLET LOOK AND FEEL	Controls the overall look and feel of the java applet displayed in the browser	All	All	formsweb.cfg
JAVA APPLLET COLOR SCHEME	Controls overall color scheme of Oracle*Forms Java Applet	All	All	formsweb.cfg
REQUIRED FIELD BACKGROUND COLOR	Color used to highlight required fields	All	All	Sunflower registry.dat file
LOV INDICATOR	If TRUE, fields with an LOV get "... " indicator	All	All	Sunflower registry.dat file
CURRENT RECORD INDICATOR COLOR	Color used to indicate the currently selected record in a multi-record block	All	3.7.1+	UI.FITBGCOLOR
COMPLEX FIELD INDICATOR	Controls which character is used as a prefix for complex fields	All	All	UI.CMPFLDIND
ASSET DESCRIPTOR ELEMENT DELIMITER	Controls which characters are used between the elements of an asset descriptor when a descriptor is displayed as a composite field	All	4.1+	UI.DESCDDELIM
LOCATION ELEMENT DELIMITER	Controls which characters are displayed between the elements of a location value when a location is displayed as a composite field	All	All	UI.LOCDELIM

WEB PAGE CONFIGURATION PARAMETERS

NAME	WHAT DOES IT DO?	ORACLE RELEASES	SUNFLOWER RELEASES	WHERE CONFIGURED
PAGE BACKGROUND COLOR	Color used for the background in web pages	All	All	WEBUI.BGCOLOR
LINK COLOR	Color used for hyperlinks in web pages	All	All	WEBUI.LINK
TEXT COLOR	Color of text displayed	All	All	WEBUI.TEXT
PAGE FOOTER	HTML displayed at the foot of the portal page	All	4.5	WEBUI.PAGEFOOT
PAGE HEADER	HTML displayed at the head of the portal page	All	4.5	WEBUI.PAGEHEAD
PAGE TOP	HTML displayed at the top of each the portal page	All	4.5	WEBUI.PAGETOP
VISITED LINKS COLOR	Color used for hyperlink in web pages that has been visited	All	All	WEBUI.VLINK
STYLE SHEET	Stylesheet parts which controls the overall look of the webpage	All	All	WEBUI.STYLE1 - STYLE2

AUTHENTICATION PAGE CONFIGURATION PARAMETERS

NAME	WHAT DOES IT DO?	ORACLE RELEASES	SUNFLOWER RELEASES	WHERE CONFIGURED
AUTHENTICATION CANCELLATION HTML	HTML displayed when the user cancels authentication	All	3.7.1+	AUTH.AUTHCANP1 - AUTHCANP4
AUTHENTICATION PAGE TOP	HTML displayed at the top of HTML Authentication page	All	4.5	AUTH.HTMLTOPP1 ? HTMLTOPP4
AUTHENTICATION PAGE FOOT	HTML displayed at the bottom of each HTML Authentication page	All	3.7.1+	AUTH.HTMLFOOTP1? HTMLFOOTP4
AUTHENTICATION PAGE HEAD	HTML displayed at the top of each HTML Authentication Menu page	All	3.7.1+	AUTH.HTMLFOOTP1 - HTMLFOOTP4
AUTHENTICATION PAGE HEAD	HTML displayed when the user cannot be authenticated	All	3.7.1+	AUTH.NOTAUTHP1 ? NOTAUTHP4

REPORT PARAMETER PAGE CONFIGURATION PARAMETERS

NAME	WHAT DOES IT DO?	ORACLE RELEASES	SUNFLOWER RELEASES	WHERE CONFIGURED
MENU FOOTER	HTML displayed at the bottom of each report menu page	All	All	WEBREPORTS.MENUFOOT
MENU HEADER	HTML displayed at the top of each report menu page	All	All	WEBREPORTS.MENUHEAD
MENU PAGE TOP	HTML displayed at the top of each Report Menu page	All	4.5	WEBREPORTS.MENUTOP
PARAMETER PAGE FOOTER	HTML displayed at the bottom of each report parameter page	All	All	WEBREPORTS.PARAMFOOT
PARAMETER PAGE HEADER	HTML displayed at the top of each report parameter page	All	All	WEBREPORTS.PARAMHEAD
PARAMETER PAGE TOP	HTML displayed at the top of each Report parameter & parameter verification page	All	4.5	WEBREPORTS.PARAMTOP
USER-DEFINED MENU	HTML which provides link to user-defined Reports Menu	All	All	WEBREPORTS.USERURL
VERIFICATION PAGE FOOT	HTML displayed at the bottom of each Report parameter verification page	All	All	WEBREPORTS.VERIFYFOOT
VERIFICATION PAGE HEAD	HTML displayed at the top of each Report parameter verification page	All	All	WEBREPORTS.VERIFYHEAD

HTML TRANSACTION PAGE CONFIGURATION PARAMETERS

NAME	WHAT DOES IT DO?	ORACLE RELEASES	SUNFLOWER RELEASES	WHERE CONFIGURED
PAGE TOP	HTML displayed at the top of HTML Transaction Menu pages	All	4.5	HTMLTEXT.XACTNTOP
PAGE FOOT	HTML displayed at the bottom of each HTML Transaction Menu pages	All	4.5	HTMLTEXT.XACTNFOOT
PAGE HEAD	HTML displayed at the top of each HTML Transaction Menu pages	All	4.5	HTMLTEXT.XACTNHEAD

MOBILE SERVER PAGE CONFIGURATION PARAMETERS

NAME	WHAT DOES IT DO?	ORACLE RELEASES	SUNFLOWER RELEASES	WHERE CONFIGURED
PAGE TOP	HTML displayed at the top of HTML Transaction Menu pages	All	4.5	MOBILE.PAGETOP
PAGE FOOT	HTML displayed at the bottom of each HTML Transaction Menu pages	All	4.5	MOBILE.PAGEFOOT
PAGE HEAD	HTML displayed at the top of each HTML Transaction Menu pages	All	4.5	MOBILE.PAGEHEAD

DOCUMENT SEARCH PAGE CONFIGURATION PARAMETERS

NAME	WHAT DOES IT DO?	ORACLE RELEASES	SUNFLOWER RELEASES	WHERE CONFIGURED
PAGE TOP	HTML displayed at the top of HTML Transaction Menu pages	All	4.5	TEXT.XACTNTOP
PAGE FOOT	HTML displayed at the bottom of each HTML Transaction Menu pages	All	4.5	TEXT.XACTNFOOT
PAGE HEAD	HTML displayed at the top of each HTML Transaction Menu pages	All	4.5	TEXT.XACTNHEAD

ORACLE FORMS BEHAVIOR PERSONALIZATION

NAME	WHAT DOES IT DO?	ORACLE RELEASES	SUNFLOWER RELEASES	WHERE CONFIGURED
LOOKUP FORM FOR ASSET FINAL EVENTS	Controls which Oracle*Forms is called when the Lookup Final Event toolbar is clicked	All	All	UI.LKASFTN
LOOKUP FOR ASSET INITIAL EVENTS	Controls which Oracle*Form is called when the Lookup Initial Event toolbar button is clicked	All	All	UI.LKASINIT
LOOKUP FOR ASSET ONGOING EVENTS	Controls which Oracle*Forms is called when the Lookup Ongoing Event toolbar button is clicked	All	All	UI.LKASON
LOOKUP FOR ASSET SUMMARY & HISTORY	Controls which Oracle*Forms is called when the Lookup Summary and History toolbar button is clicked	All	All	UI.LKASTSUM
LOOKUP FOR CATALOG	Controls which Oracle*Forms is called when the Lookup Catalog toolbar button is clicked	All	All	UI.LKCT
LOOKUP FOR DOCUMENT	Controls which Oracle*Forms is called when the Lookup Document toolbar button is clicked	All	All	UI.LKDC

NAME	WHAT DOES IT DO?	ORACLE RELEASES	SUNFLOWER RELEASES	WHERE CONFIGURED
LOOKUP FOR USER-DEFINED FIELDS	Controls which Oracle*Forms is called when the Lookup User-Defined Field toolbar button is clicked	All	All	UI.LKENARCC
LOOKUP FOR IMAGES	Controls which Oracle*Forms is called when the Lookup Images toolbar button is clicked	All	All	UI.LKENIMAGE
LOOKUP FOR JOURNAL ENTRIES	Controls which Oracle*Forms is called when the Lookup Journal Entries toolbar button is clicked	All	All	UI.LKENJELN
LOOKUP FOR TEXT/COMMENTS	Controls which Oracle*Forms is called when the Lookup Text/Comments toolbar button is clicked	All	All	UI.LKENTEXT
LOOKUP FOR LOCATION	Controls which Oracle*Forms is called when the Lookup Location toolbar button is clicked	All	All	UI.LKLC
LOOKUP FOR ORGANIZATION	Controls which Oracle*Forms is called when the Lookup Organization toolbar button is clicked	All	All	UI.LKOG
LOOKUP FOR PEOPLE	Controls which Oracle*Forms is called when the Lookup People toolbar button is clicked	All	All	UI.LKPR
LOOKUP FOR RESOLUTIONS	Controls which Oracle*Forms is called when the Lookup Resolutions toolbar button is clicked	All	All	UI.LKRS
PROMPT TO RE-QUERY THE ATTACHMENT SCREEN AFTER UPLOADING A NEW ATTACHMENT	Controls whether or not Oracle*Forms sets a timer to monitor the upload of a new attachment so that the user is queried to re-query the block when a new attachment is detected	All	3.6+	UI.ATT_RQUERY

CONTEXT SENSITIVE ASSET ATTRIBUTE PRESENTATION

The design principles of context-based asset presentation is structured around the following principles:

- Each screen that enables the manipulation of assets is associated with a presentation context.
- The current context is revealed on the About Help page.
- As a function of context, the enterprise can control, via user-defined code (in package sa_presentation_tieru) the following user-interface behavior:
 - Asset Highlight - a highlighted UI control is displayed on all asset-related the screens; the contents of the control is controlled by sa_presentation_tier.asset_information()
 - Asset Descriptive - a complex field is populated with asset properties on all asset-related screens; the contents of the control derives from sa_presentation_tier.get_as_descriptor().
- As a function of context, Sunflower Enterprise displays a query function optimized for that context, e.g. the query screen for check-in is not the same query screen as add assets to an 1149.

c_close_asset_request	CONSTANT sa_entities.name%TYPE := 'CLOSE ASSET REQUEST';
c_close_external_transfer	CONSTANT sa_entities.name%TYPE := 'CLOSE EXTERNAL TRANSFER';
c_close_internal_transfer	CONSTANT sa_entities.name%TYPE := 'CLOSE INTERNAL TRANSFER';
c_change_agr_information	CONSTANT sa_entities.name%TYPE := 'CHANGE AGREEMENT ASSET INFORMATION';
c_change_exc_information	CONSTANT sa_entities.name%TYPE := 'CHANGE EXCESS ASSET INFORMATION';
c_change_fna_information	CONSTANT sa_entities.name%TYPE := 'CHANGE FINANCIAL ASSET INFORMATION';
c_change_ina_information	CONSTANT sa_entities.name%TYPE := 'CHANGE INACTIVE ASSET INFORMATION';
c_change_inv_information	CONSTANT sa_entities.name%TYPE := 'CHANGE INVENTORY ASSET INFORMATION';
c_create_agr_final_event	CONSTANT sa_entities.name%TYPE := 'CREATE AGREEMENT ASSET FINAL EVENT';
c_create_exc_final_event	CONSTANT sa_entities.name%TYPE := 'CREATE EXCESS ASSET FINAL EVENT';
c_create_fna_final_event	CONSTANT sa_entities.name%TYPE := 'CREATE FINANCIAL ASSET FINAL EVENT';
c_create_ina_final_event	CONSTANT sa_entities.name%TYPE := 'CREATE INACTIVE ASSET FINAL EVENT';
c_create_inv_final_event	CONSTANT sa_entities.name%TYPE := 'CREATE INVENTORY ASSET FINAL EVENT';
c_dd1149	CONSTANT sa_entities.name%TYPE := 'DD1149';
c_dd1662	CONSTANT sa_entities.name%TYPE := 'DD1662';
c_dd250	CONSTANT sa_entities.name%TYPE := 'DD250';
c_nfl018	CONSTANT sa_entities.name%TYPE := 'NF 1018';
c_generate_print_upload	CONSTANT sa_entities.name%TYPE := 'GENERATE/PRINT/UPLOAD';
c_new_checkout	CONSTANT sa_entities.name%TYPE := 'NEW CHECKOUT';
c_putaway	CONSTANT sa_entities.name%TYPE := 'PUTAWAY';
c_request_asset_change	CONSTANT sa_entities.name%TYPE := 'REQUEST ASSET CHANGE';
c_request_external_transfer	CONSTANT sa_entities.name%TYPE := 'REQUEST EXTERNAL TRANSFER';
c_request_internal_transfer	CONSTANT sa_entities.name%TYPE := 'REQUEST INTERNAL TRANSFER';
c_revise_checkout	CONSTANT sa_entities.name%TYPE := 'REVISE CHECKOUT';



GET HELP

The Get Help chapter introduces you to the Sunflower online help system, other methods for getting support and tips for using your Sunflower application.

KEY CONCEPTS

This chapter includes the following discussion points and concepts:

- “Use Context Sensitive Help”
- “Search for Help Topics”
- “Access the Customer Care Website”
- “Education and Training”
- “Site Survey and Upgrade Support Services”

USE CONTEXT SENSITIVE HELP

Sunflower provides a comprehensive online help system that is accessible from your web browser. Click the **Help** icon or select **Help** from the Menu Bar to access the help system.

Maintain Inventory Assets - asrmn2010 (Page 1 of 2)

Inventory Assets		Type	Type	Identifier	Released?
Identifier	001	<input type="checkbox"/>	Existing interest asset		<input type="checkbox"/>
Unique Identifier					
Catalog Identifier*	1	<input type="checkbox"/> Commodity Asset	Parents	0	Children 0 C/A/P C
Manufacturer	APPLE		Model	M5555	
Official Name	COMPUTER PORTABLE		Model Name	DUO DOCK	
Serial Number	1221212		Drawing No		
Initial Event	PURCHASE		User Fields*	PO12_1_55212	
Asset Value*	\$4,500.00		Acquisition Date	01/01/1995	Responsibility Date 01/01/1995
Asset Condition			Effective Date	06/09/2005	Expected Return Date
Activity Status	IN SERVICE	Flags* S	Activity Type		
Manager	SUNFLOWER SYSTEMS		Owner	SUNFLOWER SYSTEMS	
Steward	ASSET CENTER XX	Accepted? Y	Rep		
Custodian	050598	Last Name* DOE	First	JOHN	Mid
User		Last Name*	First		Mid
Location*	LIVERMORE_BUILDING_G_ROOM_200				
Document*					
User Fields*					
Global User Fields*					

The tracking identifier assigned to the interest asset
Record: 1/6

Figure 4-1: Online Help on the Tool Bar and Menu Bar

VIEW THE HELP TOPIC DISCUSSION

The Sunflower help system is context-sensitive and opens on the topic discussion that corresponds to your current screen. A brief description of your current screen appears along with a list of common tasks you can accomplish with the current screen. To receive step-by-step instructions about how to perform a task, simply click on the task and view the instructions.



Figure 4-2: Context-Sensitive Online Help

SEARCH FOR HELP TOPICS

Use the search function provided within the online help system when you know the activity you wish to perform, but do not know where to find the help topic discussion in the help system. Click the **Search** button on the Sunflower Main Help page to take you to the Online Help Search page.

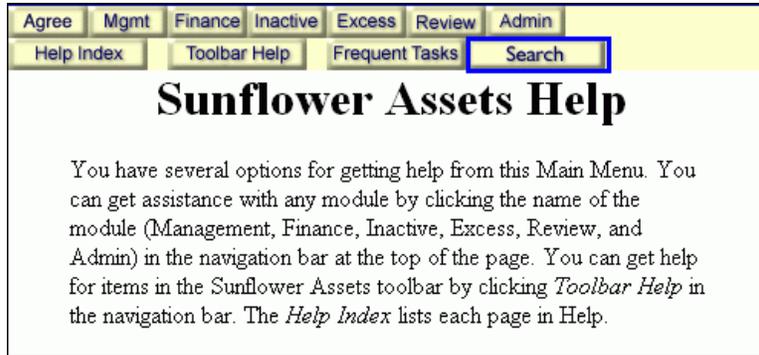


Figure 4-3: Sunflower Main Online Help Page

Enter the task or key word of the task you wish to perform such as *steward* and click the **Search** button.

[Return to Main Help](#) [Help Index](#) [Toolbar Help](#) [Frequent Tasks](#)

Search

Search for:

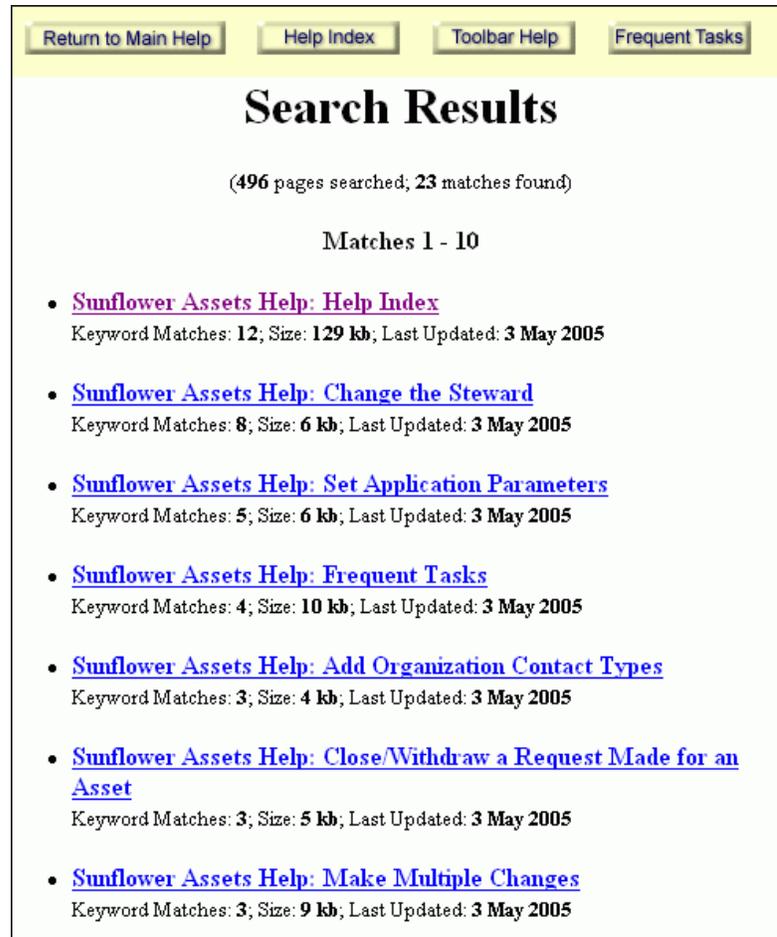
Find: ▼

- All searches are case insensitive.
- Your search phrase may contain partial words, e.g. stew matches steward and steward's.

Figure 4-4: Online Help Search Dialog box for Sunflower

SEARCH RESULTS

Sunflower provides a list of all common tasks that match your search criteria. Select a task and click the respective hyperlink to view the help topic discussion.



The screenshot shows a search results page with a yellow header bar containing four navigation buttons: "Return to Main Help", "Help Index", "Toolbar Help", and "Frequent Tasks". Below the header, the main content area has a white background. At the top of this area is the heading "Search Results" in a large, bold, black font. Underneath the heading, it says "(496 pages searched; 23 matches found)". Below that, it says "Matches 1 - 10". The main content area contains a list of seven search results, each starting with a bullet point and a blue hyperlink. Each result is followed by its keyword matches, size, and last updated date.

Return to Main Help Help Index Toolbar Help Frequent Tasks

Search Results

(496 pages searched; 23 matches found)

Matches 1 - 10

- [Sunflower Assets Help: Help Index](#)
Keyword Matches: 12; Size: 129 kb; Last Updated: 3 May 2005
- [Sunflower Assets Help: Change the Steward](#)
Keyword Matches: 8; Size: 6 kb; Last Updated: 3 May 2005
- [Sunflower Assets Help: Set Application Parameters](#)
Keyword Matches: 5; Size: 6 kb; Last Updated: 3 May 2005
- [Sunflower Assets Help: Frequent Tasks](#)
Keyword Matches: 4; Size: 10 kb; Last Updated: 3 May 2005
- [Sunflower Assets Help: Add Organization Contact Types](#)
Keyword Matches: 3; Size: 4 kb; Last Updated: 3 May 2005
- [Sunflower Assets Help: Close/Withdraw a Request Made for an Asset](#)
Keyword Matches: 3; Size: 5 kb; Last Updated: 3 May 2005
- [Sunflower Assets Help: Make Multiple Changes](#)
Keyword Matches: 3; Size: 9 kb; Last Updated: 3 May 2005

Figure 4-5: Search Results

ACCESS THE CUSTOMER CARE WEBSITE

Another means of accessing support is through the Sunflower Systems **Customer Care** website. The Customer Care website includes:

- Documentation links (User Guides and Installation Guides)
- Downloads (Software/Hardware Patches and Technical Data)
- Resource Links (Support Resources)

ONLINE SUPPORT

Sunflower Systems online support gives you the tools to research and answer many of your questions through the Sunflower Systems Knowledge Base.

To access the Customer Care Website, use the following navigation:

Step 1. Access the Sunflower Systems home page at the following web address with your browser, <http://www.sunflowersystems.com/>.

1. Click the Customer Care link to access the Customer Care website login, <http://www.sunflowersystems.com/ccare/login/index.jsp>.

1. Only existing customers may access the Customer Care Website. Enter your user name (E-mail address) and password address and click **Enter**. If you are unable to access the Customer Care Website, please contact your organization's Sunflower System Administrator or Sunflower Systems Help at helpdesk@sunflowersystems.com.

Sunflower Systems Customer Care

Login

Search
Documentation
Downloads
Bug Submittal
Resource Links
My Profile

Sunflower Systems Customer Care site provides tools you can use to get answers by searching our FAQ and search. You'll find tips and tricks from other users, technical notes, and a forum for addressing your questions. In addition, designated contacts can submit, update, and view Service Requests.

Please login below with your customer ID and password. These were provided to you either by Sunflower Systems Customer Support or by your internal Sunflower Systems administrator.

E-mail address:

Password:

Remember e-mail address:

[Forgotten Your Password?](#)

[Copyright Information](#) [Privacy Statement](#) [Site Map](#) [Customer Care](#) [Annals](#)

Figure 4-6: Sunflower Systems Customer Care Login Screen

If you have trouble locating what you are looking for, call Sunflower Systems Customer Support toll-free at 1-866-209-3516 or reach us by email at helpdesk@sunflowersystems.com.

Our Customer Care specialists are liaisons between users, product development, professional services, sales and marketing. Sunflower Systems depends on this communication flow to fully understand your needs and to ensure successful future product releases.

SUNFLOWER SYSTEMS DOCUMENTATION

To access documentation available on the Customer Care website, select the **Documentation** topic on the Customer Care page and click the link of the document that you want to view or download. Click the 'more' link to view all entries for a particular section. If you have any comments, concerns or issues regarding Sunflower Systems documentation, use the helpdesk Service Issue tracking system to log your specific items or reach us by email at helpdesk@sunflowersystems.com.

The screenshot shows the Sunflower Systems Customer Care website. The header includes the Sunflower Systems logo and the text 'Customer Care'. Below the header is a navigation bar with the title 'Documentation for Sunflower Systems Product Suites' and several tabs: Release Notes, User Guides, Installation Guides, Samples, Alerts, Glossary, and FAQs. A left-hand navigation menu contains links for Search, Documentation, Downloads, Resource Links, and My Profile. The main content area is divided into sections: 'Release Notes' with a 'more...' link, 'User Guides' with a 'more...' link, and 'Installation Guides' with a 'more...' link. Each section contains several hyperlinks to specific documents or reports.

Figure 4-7: Sunflower Systems Customer Care Website Documentation

Click the link the of the desired document and an Adobe Acrobat PDF version of the document will display for viewing or to download and/or print.

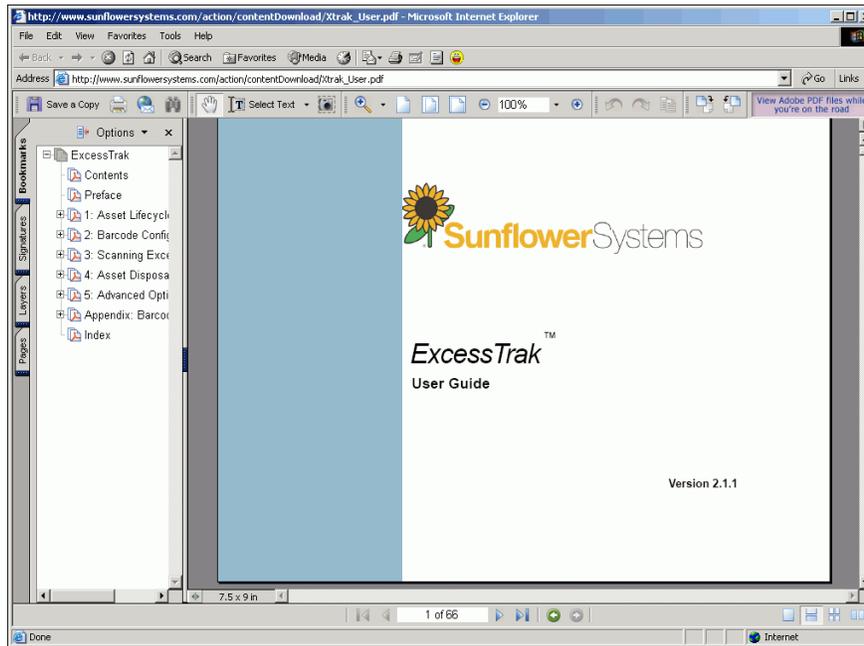


Figure 4-8: Adobe Acrobat PDF Document Download

INSTALLATION GUIDES

You can access Sunflower Systems installation guides to assist you with your implementation at the **Customer Care** website, under the **Documentation** link. For example, access the Sunflower Assets 3.8 Installation Guide from the Customer Care Website:

- Step 1.** From the Customer Care Documentation page, click on the Sunflower Assets 3.8 Installation Guide link.

Current installation guides for Sunflower Systems:

[High Volume Shipping Installation & Setup Guide version 1.0.0](#)
Installation Guide for High Volume Shipping

[Sunflower Assets 3.8 Installation Guide](#)
Sunflower Assets 3.8 Installation Guide zipped files. Extract all enclosed files to your computer, then launch the stastart.htm file from the location you extracted the files to such as the "My Documents" directory.

[Sunflower Assets Installation 3.6.0.0](#)

[Sunflower IT Installation 3.6.0.0](#)

[ExcessTrak Installation Guide v.2.1.1](#)
ExcessTrak Installation Guide v2.1.1

[MobileTrak Installation Guide v2.3.0](#)

1. View or save Installation Guides on your computer.

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Welcome to Sunflower Assets Release 3.8.0.0

Important: This document is best printed in Landscape format with left and right margin settings of 0.5 inch.

Contents

This document provides the information you will need to install Sunflower Assets for the first time or to upgrade the 3.7.1 Release to the 3.8.0.0 Release. It is divided into the following sections:

- [Audience](#)
- [Oracle Software Requirements & Known Issues](#)
- [Supported Browser Software & Known Issues](#)
- [Installing Sunflower Assets Release 3.8.0.0](#)
- [Notation](#)
- [We Welcome Your Comments](#)

Audience

This material is intended for anyone who wishes to install or upgrade Sunflower Assets. Subsequent sections of this document identify when specific product knowledge or a specific skill set is needed.

ALERTS

Another resource on the Customer Care Website is the Documentation **Alerts** page. Click on the **Alerts** link to view discussions and scripts that impact Sunflower users. The Alerts contain information about product application work-arounds and scripts for optimizing the Sunflower user experience. You can subscribe to the automated Alert system by clicking on the subscription link and selecting the alert categories of interest.

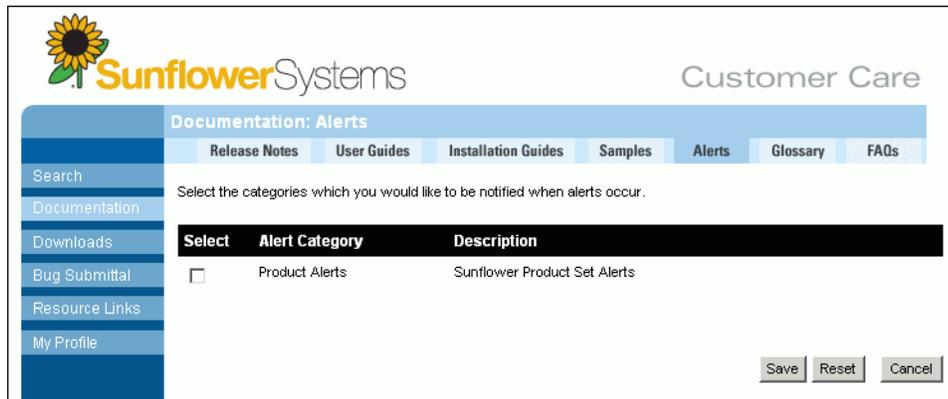


Figure 4-9: Documentation Alert Subscription Page

MY PROFILE

To keep in touch with the latest information and product application alerts, keep your contact information up-to-date with the **My Profile** page.

Sunflower Systems Customer Care

My Profile | My Information | Logout

Search | Documentation | Downloads | Bug Submittal | Resource Links | My Profile

If you would like to subscribe to our automated Alert system, please follow this [subscription link](#) make your selection.

Update your information:

* User name (e-mail address):

* First Name:

* Last Name:

Title:

* Company:

Phone: Ext:

Address 1:

Address 2:

City:

State / Province:

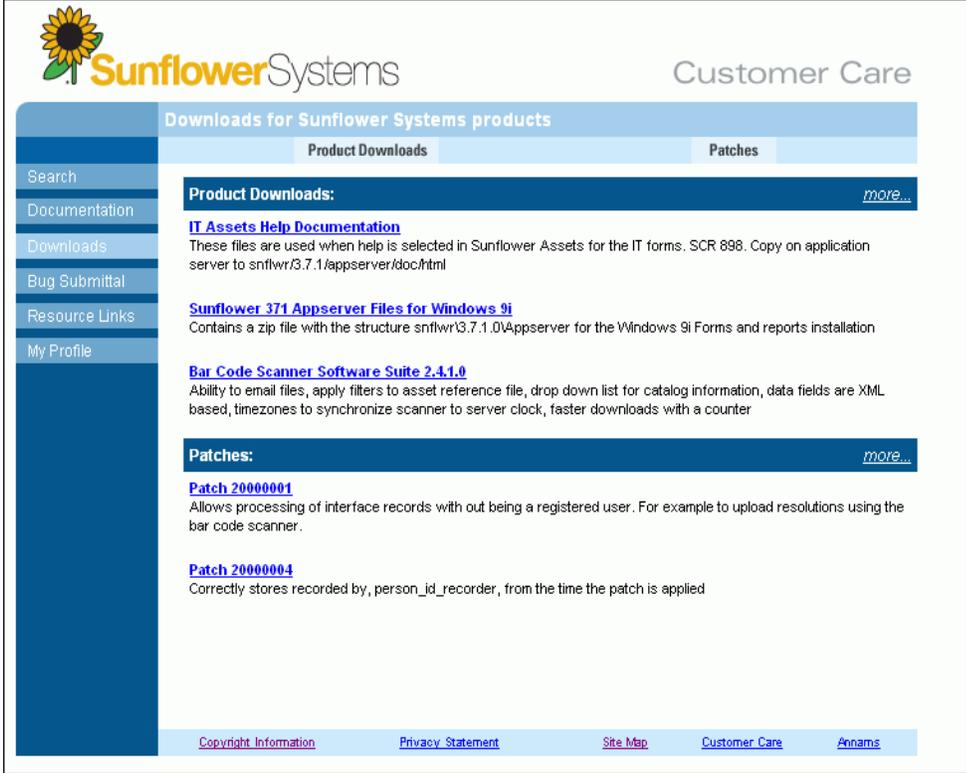
Zip / Postal Code:

* Country:

Figure 4-10: My Profile Page

PRODUCT DOWNLOADS AND PATCHES

You can use the **Product Download** resource on the Sunflower Systems Customer Care website to view and download the latest available software patches. Click the ‘Downloads’ link to access the Sunflower Systems Product Downloads page and select a desired hyperlink to begin the download process.



The screenshot displays the Sunflower Systems Customer Care website. The header includes the Sunflower Systems logo and the text "Customer Care". Below the header is a navigation menu with links for Search, Documentation, Downloads, Bug Submittal, Resource Links, and My Profile. The main content area is titled "Downloads for Sunflower Systems products" and is divided into two sections: "Product Downloads" and "Patches".

Product Downloads: [more...](#)

- [IT Assets Help Documentation](#)
These files are used when help is selected in Sunflower Assets for the IT forms. SCR 898. Copy on application server to snflwr\3.7.1\appserver\doc\html
- [Sunflower 371 Appserver Files for Windows 9i](#)
Contains a zip file with the structure snflwr\3.7.1.0\Appserver for the Windows 9i Forms and reports installation
- [Bar Code Scanner Software Suite 2.4.1.0](#)
Ability to email files, apply filters to asset reference file, drop down list for catalog information, data fields are XML based, timezones to synchronize scanner to server clock, faster downloads with a counter

Patches: [more...](#)

- [Patch 20000001](#)
Allows processing of interface records with out being a registered user. For example to upload resolutions using the bar code scanner.
- [Patch 20000004](#)
Correctly stores recorded by, person_id_recorder, from the time the patch is applied

The footer contains links for [Copyright Information](#), [Privacy Statement](#), [Site Map](#), [Customer Care](#), and [Annams](#).

Figure 4-11: Product Down Loads and Patches Page

RESOURCE LINKS

In addition to the resources available from the Sunflower Systems Customer Care Website, you can use the **Resource Links** page to find numerous addition documents (internal and external) of interest covering organizations, regulations, security, publications and other resources that affect or relate to the Sunflower Enterprise product suite offering.

Sunflower Systems Customer Care

Resource Links

Search | [Documents](#) | [Organizations](#) | [Regulations](#) | [Security](#) | [Publications](#) | [Other](#) |

Documents

- [JFMP-SR-00.4](#) - Property Management Systems Requirements (pdf, 288 KB)
- [GAO-02-171G](#) - Property Management Systems Requirements: Checklist (pdf, 176 KB)
- [Sunflower's Response to the JFMP](#) (pdf, 392 KB)

Organizations

- [GSA](#) - GSA Personal Property Management Policy Division
- [JFMP](#) - Joint Financial Management Improvement Program
- [GASB](#) - Governmental Accounting Standards Board
- [FASB](#) - Financial Accounting Standards Board
- [FASAB](#) - Federal Accounting Standards Advisory Board
- [GFOA](#) - Government Finance Officers Association
- [AOA](#) - Association of Government Accountants
- [NACUBO](#) - National Association of College and University Business Officers
- [NASACT](#) - National Association of State Auditors, Comptrollers and Treasurers
- [NACo](#) - National Association of Counties
- [BAFFMC](#) - Bay Area Federal Financial Management Council
- [NPMA](#) - National Property Management Association
- [IFMA](#) - International Facility Management Association

Regulations

- [FAR](#) - Federal Acquisition Regulation (general)
- [CFR](#) - Code of Federal Regulations
- [FAR](#) - Federal Acquisition Regulation
- [FPMR](#) - Federal Property Management Regulations
- [FMR](#) - Federal Management Regulations
- [SFFAS No. 6](#) - Accounting for Property, Plant, and Equipment (pdf, 204 KB)
- [OMB Circulars](#) - Office of Management and Budget Circulars
- [DFARS](#) - Defense FAR Supplement
- [NASA FAR](#) - NASA FAR Supplement
- [DEARS](#) - Department of Energy Acquisition Regulations

Security

- [NIST 800-26](#) - Security Self-Assessment Guide for IT Systems (pdf, 1.4 MB)
- [NIST 800-37](#) - Guidelines for the Security Certification and Accreditation of Federal IT Systems (pdf, 396 KB)

Figure 4-12: Resource Links Page

SUNFLOWER SYSTEMS USERS GROUP

The Sunflower Systems **Users Group** provides you with an opportunity to discuss common issues and resolutions that arise from the use of their applications. Sunflower Systems supports the Users Group through participation in monthly teleconferences, quarterly web-based education-related updates, product updates and subject matter expertise discussions. We encourage all users of Sunflower Systems to join the Sunflower Systems Users Group in order to keep up-to-date and informed on the latest events. To participate in the Sunflower Systems User Group send your inquiries and feedback to sunflower-group@lists.llnl.gov.

EDUCATION AND TRAINING

Education Services a variety of classroom training for entry-level as well as power users, onsite at customers' offices or at our own training locations. Our small, focused sessions get to the details quickly in order to optimize our customer's valuable time and resources. We offer both customized and introductory training solutions that can be deployed to train a large number of users quickly and cost-effectively.

Take advantage of these resources by contacting the Sunflower Systems **Education Services** Group. From the Sunflower System Home Page, click the Services link and from the Services page click the Education Services link to get an overview of the training programs offered at Sunflower Systems. Click the [Contact Us](#) link to send a direct message to training@sunflowersystems.com to schedule a training program that meets your organization's specific needs.

Sunflower Systems Search Sunflower Passport Contact Us Customer Care Downloads

Services: Education Services

Implementation Services **Education** Customer Care

Sunflower Academy™
Learn Sunflower Assets from the Sunflower experts

Sunflower Academy™ courses are designed to maximize our customer's valuable time and resources. Developed by education specialists with special expertise in adult learning concepts, focused sessions get to the details quickly with hands-on workshops and exercises.

Through our expertise in knowledge transfer and learning, Sunflower Academy can help your company create, protect, and reap significant value from your on-going Sunflower investment.

Sunflower Academy Benefits

- Implement solutions faster at reduced cost
- Mitigate project and business risks
- Decrease support costs with faster and higher acceptance among end users
- Achieve operational excellence and growth
- Ensure faster adoption of new releases and changes in business processes

Change Management with Confidence

Supported by the right people, software and tools, Sunflower helps you build a culture of continuous learning opportunities. Let the experts at Sunflower Academy help you design and implement learning strategies that cover the entire education value chain. We offer:

- Flexible curriculum -- including public and personalized courses -- for Sunflower technologies, solutions and modules. Course work includes functional foundations, contract management, advanced reporting techniques and implementation best practices
- The latest learning tools for rapid and re-enforceable comprehension of key business processes
- Hand-on mentoring, adult-specific learning environments and productivity support tools

Course Options and Curriculum
 Sunflower Academy has the courses that will get your project team up and running quickly and with less cost. Pick the type of training that's right for your organization.

Sunflower Certified Program
 Become a Sunflower Certified Professional and get the credibility you deserve for your knowledge, skill and experience in this important strategic initiative.

Location and Registration
 Sunflower Academy is located in the beautiful San Francisco Bay Area. [Click here to find out more about the Academy and register online.](#)

© 2005 Sunflower Systems. All rights reserved. Privacy Statement Site Map

Figure 4-13: Education Services Page

SITE SURVEY AND UPGRADE SUPPORT SERVICES

Sunflower Systems offers comprehensive implementation services to assist enterprises when they make the move to a lifecycle asset management system. Critical factors for success include understanding the current business processes and defining objectives for the new system to ensure that the new lifecycle asset management system meets all of your enterprise’s needs including management, finance, IT and your end-users.

More details can be found by clicking the **Services** link on the Sunflower System Home page and then click the **Systems Review** link to receive a comprehensive review that scopes and details the level of effort required to implement a lifecycle asset management system for your organization.

	Services: Implementation Services: Systems Review	
	Implementation Services	Education
Solutions	<p>Sunflower Systems™ professionals will ensure that the new lifecycle asset management system meets all enterprise needs including management, finance, IT and the user community. Items that are critical for success include understanding current business processes, objectives for the new system and the impact any changes will have on the organization.</p>	<p>THIS FRAMEWORK INCLUDES:</p> <ul style="list-style-type: none"> • Description of current processes • Hardware and software infrastructure • Financial Systems • Organizational structure / interdependencies • Integration points • Process improvement objectives • Recommended strategy • Architecture • Hardware / software infrastructure and deployment strategy • Enhancements to business process • Project scoping • Key success factors / risk mitigation
Products		
Services	<p>We help organizations scope and detail the level of effort needed to implement a system that meets the needs of the organization and complies with mandated requirements including the Joint Financial Management Improvement Program (JFMIP), Federal Acquisition Regulations (FAR) and Governmental Accounting Standards Board (GASB).</p>	
Customers	<p>The Sunflower team works with individuals inside each key asset management area in an open discussion format. Following these facilitated meetings, we will provide a framework for implementing a solution that meets your needs from the perspectives of user functionality, compliance and IT infrastructure.</p>	
News and Events	<p>Connect, converge and collaborate with Sunflower Systems. Click here to schedule a free online demonstration.</p>	
About Sunflower		
Sunflower Gear		

Figure 4-14: Implementation Services Page



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SunflowerEnterprise



www.sunflowersystems.com

Need Sunflower Systems Training?

For updates and refresher courses visit us at

<http://www.sunflowersystems.com/services/education/index.html>

Training Questions?

Contact Sunflower Education Services at

training@sunflowersystems.com