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Meperia Strategic Sourcing

Integration Guide

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About this Document

Introduction

The Meperia Strategic Sourcing Integration Guide provides procedures for setup and operation of integration between Meperia Strategic Sourcing and materials management information systems such as Veradigm Supply Chain Management™ (Supply Chain Management), Paragon Materials Management™ (Paragon) or Infor Supply Chain Management™

Note: Meperia Strategic Sourcing integration is available for versions of Veradigm Supply Chain Management and its predecessors Horizon Enterprise Materials Management and Pathways Materials Management. For expediency, this guide refers to them all using the name Supply Chain Management.

Audience

The Meperia Strategic Sourcing Integration Guide is intended to be used by technical installers of Meperia Strategic Sourcing and is for the future reference of trained and authorized staff of the subscriber organization.

Using this guide

Start by preparing the Materials Management Information System (MMIS) for integration and performing an Initial Data Load as explained in the chapter of this guide dedicated to the MMIS, such as “Chapter 1 - Supply Chain Management Integration,” “Chapter 2 - Paragon Materials Management Integration,” or "Chapter 3 – Infor Supply Chain Management Integration."

After you have completed all the tasks listed in the chapter dedicated to the MMIS, complete the tasks listed in “Chapter 4 – Installing Meperia Strategic Sourcing Components.”

Formatting conventions

The Meperia Strategic Sourcing Integration Guide follows the formatting conventions listed in the following table.

Format	Indicates
“ ”	a reference to another section of the guide.
bold	a Windows control such as a box, list, button, icon, or a command or entry you must click or select.
Courier bold	text you must type.
italics	a reference to another document; also indicates emphasis on certain words.
Small Caps	a key you must press on the keyboard.

Prerequisites

Server Requirements

Two MSS integration servers are required for Production and Test. The server requirements below are minimum requirements for a virtual machine.

Hardware Requirements	Meperia Strategic Sourcing Integration Server Requirements
Minimum Processor	4 cores, 2.0 GHz
Memory - App min	4 GB
Memory - HW min	16 GB
Minimum Storage	50 GB
OS / Media	MS Windows Server 2016 MS Windows Server 2019 MS Windows Server 2022

*Integrator application requires 300 MB of storage. Annual Integrator log growth is 3 GB.

You must install the Application Server role and include .NET 3.5 on both Integrator servers for .NET 2.0 to be installed. Microsoft .NET Framework 2.0 SP 2 is required for the Integrator install.

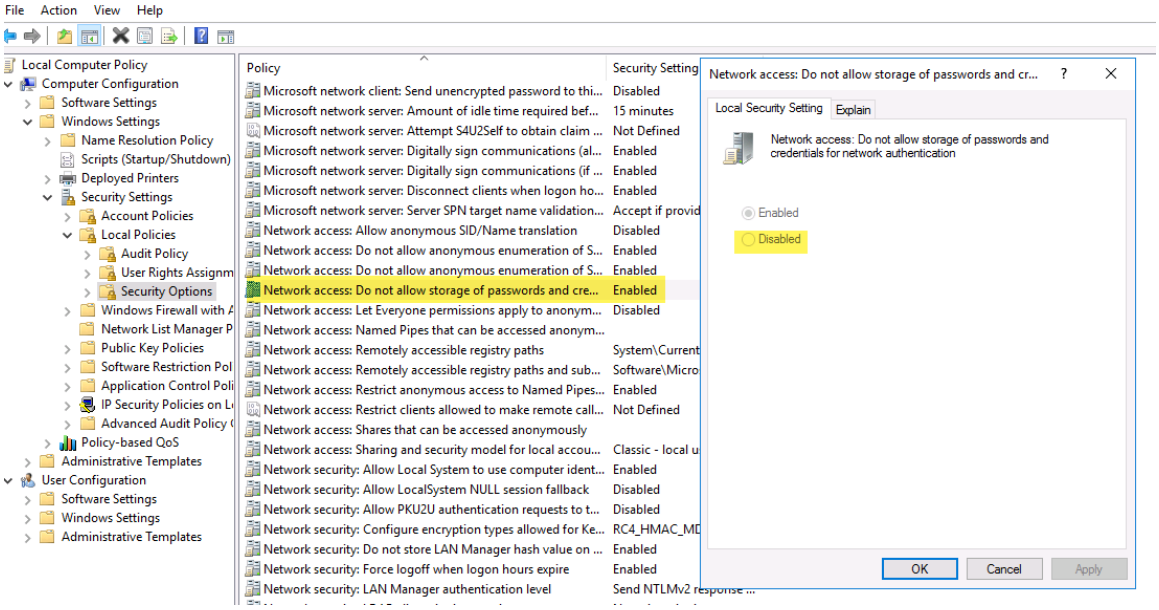
Customer Environment Information – All customers	
MMIS System:	
Production Server Name and IP	
Test Server Name and IP:	
MMIS Database Name Production:	
MMIS Database Name Test:	
Local Admin User id and password:	
Domain Account to run NT user id and password:	
SMTP Server:	
SSO Identity Provider	
SSO Domain	
INFOR application user id and password:	
INFOR Product Line:	
INFOR Procurement Group:	

Account Requirements

- For the MSS Integration server we need a local server admin login to do the application install for the integration.
- The service account must have the ability to run batch jobs & update the registry.
- The install process requires either a Windows account with sysadmin access to the MSS Integrator and ASCM or Paragon SQL servers or a SQL server (*sa*) account with sysadmin access to each of the SQL servers.
- One portion of the integration runs as an NT service, we will need a domain account to run this NT service.
- Remote Desktop access for MSS Contract Management users.
- Provide Meperia remote access to servers
    - Meperia uses SecureLink which may be used at no additional costs

Local Group Policy Setting

- The setting for Network Access: Do not allow storage of passwords and credentials for network authentication must be Disabled on both Prod & Test integrator servers



Access Requirements

For the integration to work we will need to ensure the MSS Integration server can connect from this server outbound through the firewall to the following URLs/IP addresses and ports

MSS TEST Environment

MSS TEST Agent

URL: https://hubtest.meperia.com

IP: IP 18.211.203.215

Port: 443

MSS TEST Broker

URL: istest.meperia.com

IP: **104.40.81.162 – (old IP 54.163.229.191**)

Port: 8000, open to TCP/IP

MSS PRODUCTION Environment

MSS PROD Agent

URL: https://Hub.meperia.com

IP: 34.196.4.162

Port: 443

MSS PROD Broker

URL: isprod.meperia.com

IP: **20.245.138.197 – (old IP 174.129.9.45**)

Port: 8000, open to TCP/IP

IP Addresses that can be whitelisted if needed:

54.209.36.203

54.172.234.179

MSS Document Attachments

URL: msss-assets.s3.amazonaws.com

Note: *The broker using port 8000 enables real time data lookups to our MMIS. The certificates installed on the integrator servers are used for authentication and encryption. The scope of data lookups in MMIS are supply chain data sets (Item Master,*

Vendors, Inventory, Requisition Attachments, etc.). We also utilize the broker to provide audits\logs of integration interactions to track and troubleshoot any issues.

Installing and Configuring the SMTP Server

You must install and configure the SMTP Server for communication with Meperia Support before you configure the Strategic Supply Agent (as explained later in this guide).

To install the SMTP Server

1. From the **Start** menu, select **Administrative Tools** and **Server Manager**.

1. In the left pane, select **Features**.

2. In the right pane, click **Add Features**.

3. If you are prompted to "Add role services and features required for SMTP Server," click **Add Role Services**. Click **Next**.

4. If the Web Server Role has not been installed, you are prompted to select additional Role Features. Click **Next** to accept the default role feature settings.

5. Click **Install**.

6. When the server has finished installing, click **Close**.

To configure the SMTP Server

1. From the Start menu, select Administrative Tools and Internet Information Services (IIS) 6.0 Manager.

2. Open the Node under Internet Information Services.

   Note: Be sure that the node name matches the name of the local machine.

3. Right-click **[SMTP Virtual Server #1]**.

4. On the **Access** tab, click **Connection**. Verify that **All except the list below** is selected, and then click **OK**.

5. On the **Access** tab, click **Relay**. Select either **All except the list below** or **Only the list below**.

6. Complete the configuration as explained in the following table, and then click **OK**.

If you selected…	**Then…**
All except the list below	Click **OK** to return to the **Access** tab.
Only the list below	Click **Add**, select **Single Computer**, and type the IP address of the local machine. Click **OK** to close the Add dialog box. Click **OK** to return to the **Access** tab.

7. Provide the SMTP server name to your Meperia Solution Consultant.

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Chapter 1 **Supply Chain Management Integration**

Introduction

Start by preparing Supply Chain Management for integration and performing an Initial Data Load as explained in this chapter.

Caution: Do not complete the tasks described in "Chapter 4 – Installing Meperia Strategic Sourcing Components" until you have completed the tasks in one of the next three chapters.

Initial Data Load (IDL) is the term used to identify an exchange of data between Supply Chain Management and Meperia Strategic Sourcing. The IDL is facilitated by a wizard that leads you through the process step-by-step.

Running an IDL provides data that can be reviewed and tested in Meperia Strategic Sourcing. Meperia usually recommends running the IDL again, just before running the MSS Integrator and starting to use the LIVE Production environment.

Note: Meperia Strategic Sourcing integration is available for versions of Supply Chain Management and its predecessors Horizon Enterprise Materials Management and Pathways Materials Management. For expediency, this guide refers to them all using the name Supply Chain Management.

In this Chapter

The main topics of this chapter are listed in the following table.

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Preparing Supply Chain Management for Integration

Requirements

In order to prepare Supply Chain Management for Meperia Strategic Sourcing Integration:

- A compatible version of Supply Chain Management must be installed and running as described in the Supply Chain Management Installation Guide.
- To ensure the integrity of vendor record synchronization (where Vendor Code is the key), the Supply Chain Management global security function EditVendors must be restricted to as few authorized users as possible.

Run the Database Preparation Utility

Before you perform the Initial Data Load, you must run the Database Preparation Utility to apply the following scripts to the Supply Chain Management database.

Caution: Before you run the Database Preparation Utility, be sure a Supply Chain Management database backup is available in case you need to recover the original data.

In order to apply scripts using the Database Preparation Utility:

- The Supply Chain Management database must be completely installed, fully configured, and running.
- The latest version of the Database Preparation Utility (**SCMDbForMSS.exe**) must be stored on the Supply Chain Management SQL Server or on a Microsoft Windows 7 or later workstation.

Note: Meperia recommends running the Database Preparation Utility on the Supply Chain Management SQL Server.

- If a workstation other than Supply Chain Management SQL Server is used to run the utility, the workstation must have SQL Server 2008 (or later) Client Tools installed (specifically, sqlcmd.exe).
- The installer must use either a Windows account or a SQL server account with *sysadmin* access to the Supply Chain Management SQL Server.

Database Preparation Utility Scripts

Below is a listing of the scripts in the Database Preparation Utility along with a brief description of each script and the expected results.

Document Attachment scripts

These scripts prepare Supply Chain Management for attachments from Meperia Strategic Sourcing transactions.

Script	Description
MSS_ATTACHMENT_QUE.sql	Creates and sets permissions for the MSS_ATTACHMENT_QUE table in the Supply Chain Management database to store attached documents imported from Meperia Strategic Sourcing.
up_clean_MSS_ATTACHMENT_QUE.sql	Creates the up_clean_MSS_ ATTACHMENT_QUE stored procedure to purges records older than a given number of days from the MSS_ATTACHMENT_QUE table.
MSS_clrMSS_ATTACHMENT_QUETbl.sql	Creates and schedules the SQL job that executes the up_clean_MSS_ATTACHMENT_QUE stored procedure with the input parameter of 90 days. Can be modified later by the customer. Scheduled to run monthly on the first day of the month at 5:00:00 AM. Can be modified later by the customer.

MFR and VEND cleanup scripts

Before you perform the Initial Data Load, you must run the Database Preparation Utility to apply the following cleanup scripts to the Supply Chain Management database.

Script	Description
MFR_MSS_Cleanup.sql	Identifies records where MFR_NO is NULL or empty (") and updates them with either max(MFR_ID + 1) or max(MFR_ID +2). Identifies and removes special characters (~ \ ^) from MFR CODES(MFR_NO). If duplicate values are created after removing, sequential order is added to duplicate MFR_NO values. MFR_NO values in ITEM_PROFILE and ITEM_ INTERFACE tables are also updated.
VEND_MSS_Cleanup.sql	Identifies records where VEND_CODE is NULL or empty (") and copies them to the VEND_BACKUP table. NULL and empty VEND_CODE values are updated to VEND_ID + first letter of VEND_NAME. If a record with that name already exists, adds underscore and number. For example: 1234_T_1, 1234_T_2.

Excluded Locations script

Before you perform the Initial Data Load, you must run the Database Preparation Utility to apply the following script to the Supply Chain Management database.

MSS_LOC.sql - Creates the MSS_LOC table in the Supply Chain Management database to store Location IDs for locations to be excluded from Meperia Strategic Sourcing integration.

Item Import Trigger script

Before you perform the Initial Data Load, you must run the Database Preparation Utility to apply the following script to the Supply Chain Management database.

trupdate_ITEM_MSS.sql - Creates a trigger in the Supply Chain Management database that sets the ITEM.REC_CREATE_DATE and ITEM.REC_UPDATE_DATE whenever the Item Import adds or changes an item. When either of these dates is more recent than the last run of the Item Outbound Interface, the item is included in the next run of the Item Outbound Interface to update Meperia Strategic Sourcing.

Supply Location/Item Export Trigger script

Before you perform the Initial Data Load, you must run the Database Preparation Utility to apply the following script to the Supply Chain Management database.

trupdate_sloc_item_item_export.sql - Creates a trigger in the Supply Chain Management database that logs every change in Unit of Measure or Status into the queue table for the Item Outbound Interface to Meperia Strategic Sourcing.

New or Reactivated Locations

When you activate or reactivate a location, you must update the configuration in the Strategic Supply Agent, adding the new or reactivated location to the selected (not excluded) locations list.

After you have updated the configuration, you must contact Meperia Support to run a data extract to load the new or reactivated location into Meperia Strategic Sourcing.

To run the Database Preparation Utility,

8. From the local drive of the SQL Server or workstation, double-click **SCMDbForMSS.exe**.

9. In the Deployment Path dialog box, select **Patch Supply Chain Database for MSS** and click **Next**.

10. In the Welcome dialog box, click **Next**.

11. Complete the Support Information dialog box, and then click **Next**.

12. In the Connection Information dialog box, type the SQL Server name and set Connection type (and Login ID and Password as needed). Click**Next**.

13. In the Select Database dialog box, select the Supply Chain Management database being patched (prepared), and then click **Next**.

    When all scripts are applied, the Maintenance Complete dialog box is displayed.

14. Check Open Install Log and click Finish.

15. Confirm that no errors are logged. Save the log in a convenient location for future reference. Close Notepad when you are done.

Performing the Initial Data Load

After Supply Chain Management has been prepared for integration, you can run the Initial Data Load wizard to provide TEST data for review in Meperia Strategic Sourcing.

After testing is complete and just before installing and configuring Meperia Strategic Sourcing (as instructed in Chapter 1), you can run the Initial Data Load wizard again to provide LIVE data for use in the Meperia Strategic Sourcing Production environment.

Note: Contents of Supply Chain Management IDL files are listed in Appendix A of this guide.

Run the Initial Data Load Wizard

1. Double-click InitialDataLoadWizard.exe.

   Note: If .NET framework 2.0 does not exist on the server, the system displays an error message asking that it be installed.

2. On the Step 1 - Welcome page, click **Next**.

3. Complete the Step 2 – Material Management System page, and then click **Next**.

   - In Select System, select McKesson Supply Chain Management.
   - In Output Data Folder, accept the default or browse to and select the folder location where extracted IDL files are placed.

   Caution: Leave Delimiter set to **Comma**. The Tab delimiter option is not available at this time.

   - Click to select **Include Data Statistics** if you also want to generate a text file that lists extract statistics, such as how many POs were extracted or how many items extracted were stock or non-stock.

4. Complete the Step 3 – Database Connection & Authentication page, and then click **Next**.

If…	Then…
you select **ODBC Connection**	Select the Data Source Name in DSN.
you select **SQL Connection**	Type the SQL Server Name or IP Address and type the Database Name.
default credentials are not available for access to the database	select **Use Custom Authentication** and type the User ID and Password required to access the database. (Not used for Supply Chain Management.)

5. On the Step 4 – Customer Identification page, type the Customer Name or EID to label the output files sent for MSS processing, and select the MSS Environment. Click **Next**.

The system validates the EID. If it is invalid, you can click **No** to correct your entry. If you click **Yes** to continue, the extracted data has no EID associated with it in the Strategic Supply Agent's Configuration dialog box.

6. On the Step 5 – Select Corporation page, add or remove corporations from the Selected list, and then click **Next**.

Step 6 is not currently valid for Supply Chain Management and is bypassed.

7. On the Step 7 – Location page, designate the locations you want to exclude, and then click **Next**.

If the EID is valid, the selected (not excluded) locations are stored on the hub until a new configuration is created in the Strategic Supply Agent using the same EID. The selected locations are displayed on the Location Selection dialog box of the new configuration.

8. Complete the Step 8 – Content Management Extract Data Settings page, and then click **Next**.

   - If the Purchase Order History or Invoice History Data Sets
   - Use the Extract Data Intervals setting if you want to limit the amount of history loaded to a one-to-six-month time frame.
   - If the Contract Master Data Set is selected, accept the default value or select a Contract Expiration Date.
   - If you select Contract Master and you want to include inactive contracts, deselect **Active Contracts Only**. Meperia recommends loading Active Contracts Only.
   - Deselect any Data Sets you do not want included in the Initial Data Load.

9. Complete the Step 9 – Requisitioning Extract Data Settings page, and then click **Next**.

   - If the Requisition History Load Data Set is selected, accept the default value or select a Data Collection From Date.
   - Deselect any Data Sets you do not want included in the Initial Data Load.

10. On the Step 10 – Validation page, after the system validates settings and connections, click **Next**.

11. On the Step 11 – Extracting Data page, after the system successfully extracts files, click **Next**.

12. On the Step 12 – Completion page, click **View Generated Files** if you want to review the IDL contents. When you are finished, click **Close**

Run the IDL Validation Utility

The IDL Validation Utility generates an IDL Validation Report. This report is used to identify missing or invalid data found in the IDL files and to outline what updates are needed by the customer or the Meperia Data Team with instruction from the customer. Below is a list of common errors found in the IDL Validation Report. Work with the customer to resolve any identified issues.

Input File	Error
Contract Master	[contract_gpo_name, contract_number, contract_start, contract_end, vendor_name, mfr_item_id, mfr_name, item_uom, corp_id] is not unique
	GPO Name is blank
GL Account	Same cost center name with different numbers
	Same cost center number with different names
Item Master	Manufacture number is blank
Location	Invalid route number
	Inventory location name is blank
	Inventory location sequence number is blank
	Inventory path name does not reference locations.name
Manufacturer Master	Manufacturer name is not unique
	Manufacturer number is blank
Purchase Order	Cost center number is not in GL Chart
	Cost center name is not in GL Chart
	Item number is not in Item file
	Invalid Vendor Code
Requisition History Load	Cost center number is not in GL Chart
	Cost center name is not in GL Chart
	Item number is not in Item file
	[req_no, req_line_number] is not unique
User	email is not unique
	email is null
	Invalid email address

Ongoing Data Updates

After the subscriber organization starts using Meperia Strategic Sourcing integration in the LIVE Production environment, outbound interfaces created and scheduled by the Strategic Supply Agent run periodically to extract the most current Supply Chain Management data to refresh Meperia Strategic Sourcing.

At the same time, interfaces and web services created and hosted in the Meperia Strategic Sourcing Cloud run continuously to share data between Meperia Strategic Sourcing and Supply Chain Management.

Outbound Interfaces

Outbound interfaces sharing data from Supply Chain Management to Meperia Strategic Sourcing are listed in the following table.

Interface	Description
GL Chart	Runs every five minutes. Passes new GL accounts and changes to existing GL accounts. Results in 45 minutes or less.
Invoices	Runs daily. Passes data on new Matched Invoices and existing re-Matched invoices. Results in 24 hours or less.
Items	Runs every five minutes. Passes new items, changes to existing items, updates item stock data in the Virtual Item Master (VIM). Results in 50 minutes or less.
Locations	Runs every five minutes. Passes new locations and changes to existing locations. Results in 45 minutes or less.
Manufacturers	Runs every five minutes. Passes new manufacturers and changes to existing manufacturers. Results in 45 minutes or less.
PO Line	Runs every five minutes. Passes submitted PO line data to determine the best contract number as part of Contract Enforcement Integration.
Purchase Orders	Runs daily. Passes Completed PO data. Results in 24 hours or less.
Requisition Status	Runs every five minutes. Passes requisition line status updates. Results in 55 minutes or less.
Vendors	Runs every five minutes. Passes new vendors and changes to existing vendors. Results in 45 minutes or less.

Inbound interfaces

Inbound interfaces sharing data from Meperia Strategic Sourcing to Supply Chain Management are listed in the following table.

Interface	Description
Attachment	Runs every five minutes. From Requisition Management, passes requisition attachments.
Contract Header	Runs every five minutes. From Contract Management, passes contract header data as part of Contract Enforcement Integration.
Items	Runs continuously. From Attribute Refinement, passes changes to Description, Catalog Number (Mfr or Vendor), and Manufacturer. From the Virtual Item Master, passes new Item-Corporation relationships. From Approval Workflow, passes changes to Description.
Manufacturers (Merge)	Runs continuously. Passes manufacturer record merge requests from the **Solve MFR Duplicates** function of the Virtual Manufacturer Master.
PO Line Inbound	Runs continuously. Updates submitted PO lines with the best contract number as part of Contract Enforcement Integration.
Requisitions	Runs continuously. Passes submitted requisitions in X12 850 format.

Web services

The web services listed in the following table run continuously to share data between Meperia Strategic Sourcing and Supply Chain Management.

Web Service	Description
ManufacturerInfo	From the Virtual Manufacturer Master (VMM), passes requests for new manufacturer IDs (and returns those IDs to the VMM). Passes new manufacturer records and changes to existing manufacturer records.
VendorInfo	From the Virtual Vendor Master (VVM), passes requests for new vendor IDs (and returns those IDs to the VVM). Passes new vendor records and changes to existing vendor records.
ItemPackagingChange	From Attribute Refinement, passes changes in pricing and packaging (such as Approved Vendor Item Price, Approved Vendor UOM and Approved Vendor QOE) and initiates any required Supply Location (SLOC) Conversion in Supply Chain Management.
ValidateItemInfo (catalog)	Validates in Supply Chain Management: • Manufacturer, vendor, manufacturer, and UOM of catalog items in Requisition Management. • UOM of stocked items in the VIM. • Corporation, cost center, and expense account when an item is added to the shopping cart in Requisition Management. • Requisition item status at the delivery location level when a requisition is submitted in Requisition Management.
ValidateNonCatItemInfo	Validates the manufacturer, vendor, and UOM of non-catalog items in Requisition Management.
UMList	Gets a list of all valid units of measure from Supply Chain Management.

Contract Enforcement Integration

Contract Enforcement Integration between Meperia Strategic Sourcing and Supply Chain Management allows your organization to apply Supply Chain Management's contract enforcement rules and contract price variance limits to items purchased under Meperia Strategic Sourcing contracts.

When you use Contract Enforcement Integration, the Contract Header Initial Data Load (IDL) is used to load contract header data from all Meperia Strategic Sourcing contracts into the Supply Chain Management Contract Manager application.

Thereafter, the Contract Header Inbound Interface updates contract headers in Supply Chain Management with changes made in Meperia Strategic Sourcing.

Note: If the contract number exists in Supply Chain Management for a different vendor or GPO, the system adds a suffix (_###) to the contract number to make it unique and saves the original contract number in the Supply Chain Management Contract Notes field (Original Contract Number: xyz).

Contract Enforcement Integration is initiated as explained in the following table.

Stage	Description
1	A Meperia Strategic Sourcing Support or Services representative sends a request to the Data Team to generate the Contract Header IDL (Meperia Strategic Sourcing to Supply Chain Management). The Contract Header IDL is not part of the normal IDL extract utility. It is a script created by the Data Team and output in HL7 format.
2	On the day scheduled to generate the Contract Header IDL, a Meperia Strategic Sourcing Support or Services representative verifies that the Contract Header Inbound Interface is turned ON and that the PO Line Inbound and PO Line Outbound Interfaces are turned OFF.
3	After the Load Contract process finishes (contract loading starts between 8 PM to 3 AM EST), the Data Team exports the Contract Header IDL file to the Hub. The Hub sends the Contract Header IDL file on to the MSS Integrator.

Stage	Description
4	The Data Team sets the customer's My OS option Synchronize_**Contr**act_ From_MSS_To_MMIS to **t**.
5	The new Contract Header Inbound Interface (turned ON by default) processes the Contract Header IDL file. The Contract Header Inbound Interface also processes the contract header ongoing update files generated after the IDL.
6	After the Contract Header IDL file is processed, a Meperia Strategic Sourcing Support or Services representative turns the PO Line Inbound and PO Line Outbound Interfaces back ON.

Contract Enforcement Integration takes place as described in the following table.

Stage	Description
1	The PO Line Outbound Interface runs every five minutes to find submitted PO lines. The interface extracts all submitted PO lines created or updated since the last execution of the interface where no response has yet been received through the PO Line Inbound Interface. Submitted PO lines that already have a contract number on them are included so Meperia Strategic Sourcing can verify that the best contract has been selected.
2	Meperia Strategic Sourcing processes PO Line Outbound Interface files to determine the best contract that covers the PO line item and to send that best contract number to Supply Chain Management.
3	The PO Line Inbound Interface runs continuously to update Supply Chain Management PO lines with best contract numbers from Meperia Strategic Sourcing.
4	Supply Chain Management uses the enforcement rules and contract price variance limits assigned to the Meperia Strategic Sourcing best contract number to determine handling of the line item in Invoice Matching.

Note: For more information on Contract Enforcement Integration, contact your Meperia Strategic Sourcing Support or Services representatives.

Chapter 2 **Paragon Materials Management Integration**

Introduction

Start by preparing Paragon Materials Management™ (Paragon) for integration and performing the Initial Data Load as explained in this chapter.

> **Caution**: Do not complete the tasks described in "Chapter 4 – Installing Meperia Strategic Sourcing Components" until you have completed the tasks in this chapter.

Initial Data Load (IDL) is the term used to identify an exchange of data between Paragon and Meperia Strategic Sourcing. The IDL is facilitated by a wizard that leads you through the process step-by-step.

Running an IDL provides data that can be reviewed and tested in Meperia Strategic Sourcing. Meperia usually recommends running the IDL again, just before running the MSS Integrator and starting to use the LIVE Production environment

In this Chapter

The main topics of this chapter are listed in the following table.

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Performing the Initial Data Load	3-20
Ongoing Data Updates	3-22

Preparing Paragon for Integration

Requirements

In order to use Meperia Strategic Sourcing Integration:

- A compatible version of Paragon Materials Management must be installed and running as described in Paragon documentation.

Location ID

When Paragon is integrated with Meperia Strategic Sourcing, it is very important that the Location ID in Paragon is not changed.

If you must change a Location ID in Paragon, contact Meperia Support so that the Location ID can be updated in Meperia Strategic Sourcing as well.

Active Bin Locations

When a Paragon delivery location generates requisitions in Meperia Strategic Sourcing, there can be no more than one active bin location per item at the delivery location.

Handling of Default Expense Accounts

Be aware that Meperia Strategic Sourcing stores and displays only the item level expense account for Paragon items. This does not mean that location level expense accounts for the item are ignored.

When a different expense account is used at the location level, the Requisition Inbound Interface uses the location level expense account when it imports the requisition into Paragon.

Items with no Manufacturer

Meperia Strategic Sourcing requires a manufacturer for items in the Virtual Item Master.

If there are items in Paragon that do not have a manufacturer assigned, a script can be run to populate Mfr_Name and Mfr_Code with the "UNKNOWN" Manufacturer record that is already configured in Paragon.

Contact your Meperia Support representative to arrange for the "UNKNOWN" Manufacturer script to be run.

Caution: If there is no "UNKNOWN" Manufacturer configured in Paragon, an "UNKNOWN" Manufacturer is created for each corporation during the automated MSS Integrator Database installation or upgrade.

New or Reactivated Locations

When you activate or reactivate a location, you must update the configuration in the Strategic Supply Agent, adding the new or reactivated location to the selected (not excluded) locations list.

After you have updated the configuration, you must contact Meperia Support to run a data extract to load the new or reactivated location into Meperia Strategic Sourcing.

Determining integration eligibility for Paragon 13.0.2

Meperia Strategic Sourcing is fully integrated (Content Management and Requisition Management) with Paragon 13.0.2 only when specific work items have been applied.

To determine that your Paragon database is updated to 13.0.2, you can run the following statement against the Paragon database from the SQL Server Management Studio Query window:

```
Select 'Paragon Version' = convert(char(2),pgn_bas_lvl_cd) + '.' +
convert(varchar(2),pgn_srv_pck_lvl_cd) + '.' +
convert(varchar(2),pgn_hot_pah_lvl_cd)

from TSM992_PARAGON_RELEASE where row_sta_cd = 'A'
```

If the Paragon version equals 13.0.2, run the following statement to determine that the required work items have been applied:

```
Select * from TSM991_SYS_RELEASE where rls_lvl_ds = '13.0.2.x Cherry Picked
Software'
```

If the output contains a record with srv_pck_ds (Service Pack Description) equal to **'Work Item 208508,209617,209618,209619,209913,210114'**, the required work items have been applied and full integration is supported

Installing and Linking the MSS_Integrator Database

Caution: Only perform the tasks in this section if you are integrating Paragon Materials Management with Meperia Strategic Sourcing.

The MSS_Integrator database holds database objects for Meperia Strategic Sourcing- Paragon outbound and inbound interfaces; tables, views, stored procedures, user-defined functions, etc. The MSS_Integrator database must be deployed on the same SQL server as the Paragon database.

MSS_Integrator views point to corresponding Paragon tables with the same names as those in the view. All interfacing DML operations and queries are performed by the MSS Integrator's stored procedures and functions through MSS_Integrator views.

MSS_Integrator database views are created when the MSS_Integrator database is linked to the corresponding Paragon database. The MSS_Integrator database can be re-linked to a different Paragon database by re-creating views and re-establishing the "Linked Server" (if needed).

When the MSS_Integrator database is installed, updated, or linked to a Paragon database, an MSS_LOC view is created in the Paragon database. The Paragon view is used to read/modify data in the MSS_Integrator MSS_LOC table.

Requirements

In order to install, upgrade, or re-link the MSS_Integrator database:

- The MSSS DB install for Paragon limits the server name to 20 characters. If the name is longer than 20 characters, reach out to Meperia support for a workaround.
- The Paragon database must be completely installed and running.
- The latest version of the MSS_Integrator Deployment Utility (**IntegratorDbUpgrade.exe**) must be stored on the MSS_Integrator SQL Server or on a Microsoft Windows 7 or later workstation.

Note: Meperia recommends executing IntegratorDbUpgrade.exe on the MSS_Integrator SQL Server.

- If a workstation other than the MSS_Integrator or Paragon SQL server is used to run the Deployment Utility, the workstation must have SQL Server 2008 (or later) Client Tools installed (specifically sqlcmd.exe).
- The installer must use either a Windows account with sysadmin access to the MSS_Integrator and Paragon SQL servers or a SQL server (*sa*) account with sysadmin access to each of the SQL servers.

Install the MSS_Integrator database

To install and link a new MSS_Integrator database,

1. From the local drive of SQL server or workstation, double-click IntegratorDbUpgrade.exe.

2. In the Deployment Path dialog box, select **MSS Integrator Install** and click **Next**.

3. In the Welcome dialog box, click **Next**.

4. Complete the Support Information dialog box, and then click **Next**.

5. In the Connection Information dialog box, type the MSS Integrator SQL Server name and set Connection type (and Login ID and Password as needed). Click **Next**.

6. In the New Integrator Database dialog box, change the default Database and File names as needed, and click **Next**.

   Caution: Physical Names must be valid paths and must not be used for any existing database on the server.

7. In the Paragon SQL Server Connection Information dialog box, type the Paragon SQL Server name and set Connection type (and Login ID and Password as needed). Click **Next**.

8. In the Select Paragon Database dialog box, select the Paragon database to be linked from Paragon Databases on the Server, and click **Next**.

9. When prompted to confirm the database you have selected, click **Yes**.

While the database is installed and linked, the Installing MSS Integrator Database message is displayed, followed by the Windows CMD shell window where you can monitor progress.

10. When the Complete dialog box is displayed, click to select **Open Install Log** and click **Finish**.

    Note: The log tells you what scripts ran during installation, what SQL servers were involved, and other information. Save the log in a convenient location for future reference.

Upgrade the MSS_Integrator database or re-link to a different Paragon database

To upgrade and re-link an existing MSS_Integrator database,

1. From the local drive of the SQL Server or a workstation, double-click IntegratorDbUpgrade.exe.

2. In the Deployment Path dialog box, select **MSS Integrator Upgrade** andclick **Next**.

3. In the Welcome dialog box, click **Next**.

4. Complete the Support Information dialog box, and then click **Next**.

5. In the Connection Information dialog box, type the MSS Integrator SQL Server name and set Connection type (and Login ID and Password as needed). Click **Next**.

6. In the Select Database dialog box, select the MSS Integrator database to be upgraded or re-linked to the Paragon database. Click **Next**.

   Caution: All users must be out and all processes must be stopped on the selected MSS Integrator database.

7. When prompted to confirm the database you have selected, click **Yes**.

8. In the Paragon SQL Server Connection Information dialog box, change the Paragon SQL Server name (if needed) and set Connection type (and Login ID and Password as needed). Click **Next**.

9. In the Select Paragon Database, select the Paragon database to be linked from Paragon Databases on the Server, and click **Next**.

10. When prompted to confirm the database you have selected, click **Yes**.

While the database is upgraded or re-linked, the Installing MSS Integrator Database message is displayed, followed by the Windows CMD shell window where you can monitor progress.

11. When the Complete dialog box is displayed, click to select **Open Install Log** and click **Finish**.

    Note: The log tells you what scripts ran during the upgrade and re-linking, what SQL servers were involved, and other information. Save the log in a convenient location for future reference.

Performing the Initial Data Load

After Paragon has been prepared for integration, you can run the Initial Data Load wizard to provide TEST data for review in Meperia Strategic Sourcing.

After testing is complete and just before installing and configuring Meperia Strategic Sourcing (as instructed in Chapter 1), you can run the Initial Data Load wizard again to provide LIVE data for use in the Meperia Strategic Sourcing Production environment

Run the Initial Data Load Wizard

1. Double-click InitialDataLoadWizard.exe.

   Note: If .NET framework 2.0 does not exist on the server, the system displays an error message asking that it be installed.

2. On the Step 1 - Welcome page, click **Next**.

3. Complete the Step 2 – Material Management System page, and then click**Next**.

   - In Select System, select **Paragon**.
   - In Output Data Folder, accept the default or browse to and select the folder location where extracted IDL files are stored.

   Caution: Leave Delimiter set to **Comma**. The Tab delimiter option is not available at this time.

   - Click to select **Include Data Statistics** if you also want to generate a text file that lists extract statistics, such as how many POs were extracted or how many items extracted were stock or non-stock

4. Complete the Step 3 – Database Connection & Authentication page, and then click **Next**.

If...	Then...
you select **ODBC Connection**	Select the Data Source Name in DSN.
you select **SQL Connection**	Type the SQL Server Name or IP Address and type the Database Name.
default credentials are not available for access to the database	select **Use Custom Authentication** and type the User ID and Password required to access the database.

5. On the Step 4 – Customer Identification page, type the Customer Name or EID to label the output files sent for MSS processing, and select the MSS Environment. Click **Next**.

The system validates the EID. If it is invalid, you can click No to correct your entry. If you click Yes to continue, the extracted data has no EID associated with it in the Strategic Supply Agent's Configuration dialog box.

6. On the Step 5 – Select Corporation page, add or remove corporations from the Selected list, and then click **Next**.

7. On the Step 6 – Expense Account page, designate the expense accounts you want to exclude, and then click **Next**.

8. On the Step 7 – Locations page, designate the locations you want to exclude, and then click **Next**.

   Note: If you want to include par locations in the Initial Data Load, be sure to click to select **Include Par Locations**.

If the EID is valid, the selected (not excluded) locations are stored on the hub until a new configuration is created in the Strategic Supply Agent using the same EID. The selected locations are displayed on the Location Selection dialog box of the new configuration.

9. Complete the Step 8 – Content Management Extract Data Settings page, and then click **Next**.

   - If the Purchase Order History or Invoice History Data Sets are selected, accept the default values or select Data Collection From and To dates.
   - Use the Extract Data Intervals setting if you want to limit the amount of history loaded to a one-to-six-month time frame.
   - If the Contract Master Data Set is selected, accept the default value or select a Contract Expiration Date.
   - Deselect any Data Sets you do not want included in the Initial Data Load.

10. Complete the Step 9 – Requisitioning Extract Data Settings page, and then click **Next**.

   - If the Requisition History Load Data Set is selected, accept the default value or select a Data Collection From Date.
   - Deselect any Data Sets you do not want included in the Initial Data Load.

11. On the Step 10 – Validation page, after the system validates settings and connections, click **Next**.

12. On the Step 11 – Extracting Data page, after the system successfully extracts files, click **Next**.

13. On the Step 12 – Completion page, click **View Generated Files** if you want to review the IDL contents. When you are finished, click **Close**.

Run the IDL Validation Utility

The IDL Validation Utility generates an IDL Validation Report. This report is used to identify missing or invalid data found in the IDL files and to outline what updates are needed by the customer or the Meperia Data Team with instruction from the customer. Below is a list of common errors found in the IDL Validation Report. Work with the customer to resolve any identified issues.

Input File	Error
Contract Master	[contract_gpo_name, contract_number, contract_start, contract_end, vendor_name, mfr_item_id, mfr_name, item_uom, corp_id] is not unique
	GPO Name is blank
GL Account	Same cost center name with different numbers
	Same cost center number with different names
Item Master	Manufacture number is blank
Location	Invalid route number
	Inventory location name is blank
	Inventory location sequence number is blank
	Inventory path name does not reference locations.name
Manufacturer Master	Manufacturer name is not unique
	Manufacturer number is blank
Purchase Order	Cost center number is not in GL Chart
	Cost center name is not in GL Chart
	Item number is not in Item file
	Invalid Vendor Code
Requisition History Load	Cost center number is not in GL Chart
	Cost center name is not in GL Chart
	Item number is not in Item file
	[req_no, req_line_number] is not unique
User	email is not unique
	email is null
	Invalid email address

Ongoing Data Updates

After the subscriber organization starts using Meperia Strategic Sourcing integration in the LIVE Production environment, outbound interfaces created and scheduled by the Strategic Supply Agent run periodically to extract the most current Paragon data to refresh Meperia Strategic Sourcing.

At the same time, interfaces and web services created and hosted in the Meperia Strategic Sourcing Cloud run continuously to share data between Meperia Strategic Sourcing and Paragon.

There are also a few data elements that must be manually maintained.

Outbound Interfaces

Outbound interfaces sharing data from Paragon to Meperia Strategic Sourcing are listed in the following table.

Interface	Description
Items	Runs every five minutes. Passes new items and changes to existing items. Results in 50 minutes or less.
GL Chart	Runs every five minutes. Passes new GL accounts and changes to existing GL accounts. Results in 45 minutes or less.
Contracts	Runs every five minutes. Passes new contracts and changes to existing contracts. Results in 24 hours or less.
Locations	Runs every five minutes. Passes new locations and changes to existing locations. Results in 45 minutes or less.
Manufacturers	Runs every five minutes. Passes new manufacturers and changes to existing manufacturers. Results in 45 minutes or less.
Vendors	Runs every five minutes. Passes new vendors and changes to existing vendors. Results in 45 minutes or less.
Invoices	Runs daily. Passes data on new Matched Invoices and existing re-Matched invoices. Results in 24 hours or less.
Purchase Orders	Runs daily. Passes Completed PO data. Results in 24 hours or less.
Requisition Status	Runs every five minutes. Passes requisition line status updates. Results in 55 minutes or less.

Inbound Interfaces

Inbound interfaces sharing data from Meperia Strategic Sourcing to Paragon are listed in the following table.

Interface	Description
Requisitions	Runs continuously. Passes submitted requisitions in X12 850 format. **Note:** If no INTERFACE_USER_NAME is specified in the incoming configuration requisitions.ini file, the system uses the Interface User Name *strategic*. You can specify a unique INTERFACE_USER_NAME in the [ParagonREQ850Prof.DLL] section of C:\McKesson\MSS Profile\MS3 – [Configuration Name] – Incoming – Requisitions.ini.
Manufacturers (Merge)	Runs continuously. Passes manufacturer record merge requests from the **Solve MFR Duplicates** function of the Virtual Manufacturer Master.
Items	Runs continuously. From Attribute Refinement, passes changes to Description, Catalog Number (Mfr or Vendor), and Manufacturer. From Approval Workflow, passes changes to Description. From Contract Price Discrepancy Viewer, passes approved contract price of non-stock items.

Requisition Line Notes – UNKNOWN manufacturer

When a non-catalog or punchout item is requested in Meperia Strategic Sourcing, the system associates an UNKNOWN manufacturer with the requisition line item and attaches a note to the requisition line to advise the customer of what it has done.

The Requisition Inbound interface passes these line notes to Paragon.

Caution: Although many (even all) lines in a requisition may have such a note, buyers must be careful to look at all line notes to avoid missing important information such as Needed Overnight.

Web Services

The web services listed in the following table run continuously to share data between Meperia Strategic Sourcing and Paragon.

Web Service	Description
ManufacturerInfo	From the Virtual Manufacturer Master (VMM), passes requests for new manufacturer IDs (and returns those IDs to the VMM). Passes new manufacturer records and changes to existing manufacturer records.
VendorInfo	From the Virtual Vendor Master (VVM), passes requests for new vendor IDs (and returns those IDs to the VVM). Adds "MSS" to REF3 in the Paragon vendor table. Passes changes to existing vendor records, but new vendors must be added in Paragon.
ItemPackagingChange	From Attribute Refinement, passes changes in pricing and packaging (such as Approved Vendor Item Price, Approved Vendor UOM and Approved Vendor QOE). Changes to UOM, QOE, and Price of stocked items are not allowed when on-hand quantity is greater than zero.
ValidateItemInfo (catalog)	Validates in Paragon: • Vendor and UOM of catalog items in Requisition Management. • Requisition item status at the delivery location level when a requisition is submitted in Requisition Management.
ValidateNonCatItemInfo	Validates the manufacturer, vendor, and UOM of non-catalog items in Requisition Management.
UMList	Gets a list of all valid units of measure from Paragon.

Manual Data Updates

Data elements that must be manually maintained between Meperia Strategic Sourcing and Paragon are listed in the following table.

Data Element	Description
Users	Additions, changes, and deletions must be made in Paragon and in Meperia Strategic Sourcing.

Chapter 3 **Infor Supply Chain Management Integration**

Introduction

Start by preparing Infor Supply Chain Management™ for integration and performing an Initial Data Load as explained in this chapter.

Caution: Do not complete the tasks described in "Chapter 4 – Installing Meperia Strategic Sourcing Components" until you have completed the tasks in this chapter.

Initial Data Load (IDL) is the term used to identify an exchange of data between Infor and Meperia Strategic Sourcing. The IDL is facilitated by a wizard that leads you through the process step-by-step.

Running an IDL provides data that can be reviewed and tested in Meperia Strategic Sourcing. Meperia usually recommends running the IDL again, just before running the MSS Integrator and starting to use the LIVE Production environment.

In this chapter

The main topics of this chapter are listed in the following table.

Topic	See page
Introduction	4-25
Preparing Infor for Integration	4-26
Performing the Initial Data Load	4-42
Ongoing Data Updates	4-45

Preparing Infor for Integration

Requirements

In order to prepare Infor for Meperia Strategic Sourcing Integration:

- A compatible version of Infor must be installed and running as described in Infor documentation.
- Microsoft .NET Framework 2.0 or later must be installed on the server from which you plan to run the Initial Data Load.

Integration Account

Meperia Strategic Sourcing requires the addition of a User ID to Infor for dedicated use in integration with Meperia Strategic Sourcing. This dedicated User ID must be authorized to access the Infor database tables that are integrated with Meperia Strategic Sourcing.

Requester Account

Meperia Strategic Sourcing requires a dedicated Requester for Requisition Integration. The Requester name must be prefixed with **MSS** followed by the Corporation number. For example, MSS001.

The dedicated Meperia Strategic Sourcing Requester must have:

- Requisition Approval Type set to **No Approvals Required** (**3**).
- Use Entered Cost Default set to **Yes** (**Y**).
- Allow Unit Cost Override From Last PO or Last Cost set to **Yes** (**Y**).

Disable Requisitioning Corporation and Cost Center Validation

For Requisition Integration, you must set the Meperia Strategic Sourcing My Organization setting Validate_Item_Corp_CC to f (disabled). This setting is not used for Infor Requisition Integration.

DME (Data Mining Engine) Connection

In order to obtain Infor data for version 10 integration while working within Infor security constraints, Meperia has set up an intermediary mechanism using the Infor Data Mining Engine (DME). The intermediary DME Connection mechanism operates without use of the database triggers required for Infor version 9 integration.

The DME Connection gathers information from Infor into its own database on a separate customer workstation and then creates the initial data load (IDL) files that Meperia uses to load customer data into Meperia Strategic Sourcing.

For Infor version 10 integration, you must select DME Connection as the Database Connection & Authentication method in Step 3 of the Initial Data Load Wizard.

The User ID you enter for Custom Authentication when DME Connection is selected must be authorized to retrieve data from the Infor version 10 database tables being integrated with Meperia Strategic Sourcing.

Meperia recommends using the User ID of the Integration Account that is listed as a requirement earlier in this section of the Integration Guide.

Turn on Audits

In Infor version 10 or later, for Meperia Strategic Sourcing Integration to pick up all changes, audit settings must be turned on in the following Infor forms.

Form	Setting	Value
Corporate Item Group IC00.1	Audit Item Master Activity	Y - Yes
Company IC01.1	Audit Item Location Maintenance	
	Audit Item Source Maintenance	
	Audit GL Category Maintenance	
	Audit IC Location Maintenance	
	Audit Requesting Location Maintenance	
PO Company Setup PO01.1	PO Auditing	Can be either – Audit After Issue Final or Audit Before Final Issue
Procurement Group PO00.1	Audit Vendor Items	1 – Yes
	Audit Vendor Agreements	
System Codes (GL01.4) Audit (GL01.9)	In System Codes, select **GL** and click **Audit** at the bottom of the page. In Audit, set Audit Flag.	Y – Audit
Vendor Group AP00.1 (optional)	Audit Vendor Changes	Y - Yes

Additional Database Triggers

For Infor version 9, Meperia provides scripts that must be run to install required database triggers for both Oracle and SQL Server.

Note: These scripts are not required for Infor version 10 or later.

Additional database tables

For Infor version 9, Meperia Strategic Sourcing requires the addition of several tables to the Infor database. Meperia provides scripts that can be run to add or update tables, but these tables must be added to the Infor Schema using an administrator utility.

After these tables are created, the Infor application must be rebuilt for the tables to be incorporated into the database.

Note: These tables are not required for Infor version 10 or later.

The User ID dedicated to Meperia Strategic Sourcing integration tasks (see the topic "Integration Account" earlier in this document) must be granted access to these tables.

MKCOACHG

File Definition:

Product Line: PROD

System: IC

File Name: MKCOACHG

Unique ID: No

Prefix: MK3

Change Tracking: Off

Attachments: No

File Layout:

Field Name	Element	Occurs	Type	Size
ITEM-GROUP	ITEM-GROUP		Alpha	5
COMPANY	COMPANY		Numeric	4
ACCT-UNIT	ACCT-UNIT		Alpha	15
ACCOUNT	ACCOUNT		Numeric	6
SUB-ACCOUNT	SUB-ACCOUNT		Numeric	4
ACTION	ALPHADATA1		Alpha	1
CHG-DATE	DATE		yyyymmdd	8
CHG-TIME	TIME		Numeric	6

Index Definition:

Product Line:	PROD
Index Name:	MK3SET1
Duplicates:	No
File Name:	MKCOACHG
Primary:	Yes
Virtual:	No
Key Change:	No
File Prefix:	MK3
Condition Name:	
Text Index:	No

Key Fields:

- ITEM-GROUP
- COMPANY
- CHG-DATE
- CHG-TIME
- ACCT-UNIT
- ACCOUNT
- SUB-ACCOUNT

MKINVCHG

File Definition:

Product Line: PROD

System: IC

File Name: MKINVCHG

Unique ID: No

Prefix: MK9

Change Tracking: Off

Attachments: No

File Layout:

Field Name	Element	Occurs	Type	Size
PROCURE-GROUP	PROCURE-GROUP		Alpha	4
COMPANY	COMPANY		Numeric	4
VENDOR	VENDOR		Alpharight	9
INVOICE	INVOICE		Alpha	22
SUFFIX	SUFFIX		Numeric	3
CANCEL-SEQ	CANCEL-SEQ		Numeric	4
ACTION	ACTION		Alpha	1
CHG-DATE	DATE		yyyymmdd	8
CHG-TIME	TIME		Numeric	6
UNIQUE-KEY	DESCRIPTION		Alphalc	30

Index Definition:

Product Line: PROD

Index Name: MK9SET1

Duplicates: No

File Name: MKINVCHG

Primary: Yes

Virtual: No

Key Change: No

File Prefix: MK9

Condition Name:

Text Index: No

Key Fields:

- PROCURE-GRP
- CHG-DATE
- CHG-TIME
- COMPANY
- VENDOR
- INVOICE
- SUFFIX
- UNIQUE-KEY

MKITEMCHG

File Definition:

Product Line: PROD

System: IC

File Name: MKITEMCHG

Unique ID: No

Prefix: MK1

Change Tracking: Off

Attachments: No

File Layout:

Field Name	Element	Occurs	Type	Size
ITEM-GROUP	ITEM-GROUP		Alpha	5
ITEM	ITEM		Alpha	32
ACTION	ALPHADATA1		Alpha	1
CHG-DATE	DATE		yyyymmdd	8
CHG-TIME	TIME		Numeric	6

Index Definition:

Product Line: PROD

Index Name: MK1SET1

Duplicates: No

File Name: MKITEMCHG

Primary: Yes

Virtual: No

Key Change: No

File Prefix: MK1

Condition Name:

Text Index: No

Key Fields:

- ITEM-GROUP
- CHG-DATE
- CHG-TIME
- ITEM

MKMANFCHG

File Definition:

Product Line: PROD

System: IC

File Name: MKMANFCHG

Unique ID: No

Prefix: MK2

Change Tracking: Off

Attachments: No

File Layout:

Field Name	Element	Occurs	Type	Size
ITEM-GROUP	ITEM-GROUP		Alpha	5
MANUF-CODE	MANUF-CODE		Alpha	4
MANUF-DIVISION	MANUF-DIVISION		Alpha	4
ACTION	ALPHADATA1		Alpha	1
CHG-DATE	DATE		yyyymmdd	8
CHG-TIME	TIME		Numeric	6

Index Definition:

Product Line:	PROD
Index Name:	MK2SET1
Duplicates:	No
File Name:	MKMANFCHG
Primary:	Yes
Virtual:	No
Key Change:	No
File Prefix:	MK2
Condition Name:	
Text Index:	No

Key Fields:

- ITEM-GROUP
- CHG-DATE
- CHG-TIME
- MANUF-CODE
- MANUF-DIVISION

MKPOCHG

File Definition:

Product Line: PROD

System: IC

File Name: MKPOCHG

Unique ID: No

Prefix: MK7

Change Tracking: Off

Attachments: No

File Layout:

Field Name	Element	Occurs	Type	Size
COMPANY	COMPANY		Numeric	4
PO-NUMBER	PO-NUMBER		Alpharight	14
PO-CODE	PO-CODE		Alpha	4
PO-RELEASE	PO-RELEASE		Numeric	4
ACTION	ALPHADATA1		Alpha	1
CHG-DATE	DATE		yyyymmdd	8
CHG-TIME	TIME		Numeric	6
UNIQUE-KEY	DESCRIPTION		Alphalc	30

Index Definition:

Product Line:	PROD
Index Name:	MK7SET1
Duplicates:	No
File Name:	MKPOCHG
Primary:	Yes
Virtual:	No
Key Change:	No
File Prefix:	MK7
Condition Name:	
Text Index:	No

Key Fields:

- COMPANY
- CHG-DATE
- CHG-TIME
- PO-NUMBER
- PO-CODE
- PO-RELEASE
- UNIQUE-KEY

MKREQCHG

File Definition:

Product Line: PROD

System: IC

File Name: MKREQCHG

Unique ID: No

Prefix: MK6

Change Tracking: Off

Attachments: No

File Layout:

Field Name	Element	Occurs	Type	Size
ITEM-GROUP	ITEM-GROUP		Alpha	5
COMPANY	COMPANY		Numeric	4
REQ-NUMBER	REQ-NUMBER		Numeric	7
ACTION	ALPHADATA1		Alpha	1
CHG-DATE	DATE		yyyymmdd	8
CHG-TIME	TIME		Numeric	6
UNIQUE-KEY	DESCRIPTION		Alphalc	30

Index Definition:

Product Line: PROD

Index Name: MK6SET1

Duplicates: No

File Name: MKREQCHG

Primary: Yes

Virtual: No

Key Change: No

File Prefix: MK6

Condition Name:

Text Index: No

Key Fields:

- ITEM-GROUP
- CHG-DATE
- CHG-TIME
- COMPANY
- REQ-NUMBER
- UNIQUE-KEY

MKRQLCHG

File Definition:

Product Line: PROD

System: IC

File Name: MKRQLCHG

Unique ID: No

Prefix: MK5

Change Tracking: Off

Attachments: No

File Layout:

Field Name	Element	Occurs	Type	Size
COMPANY	COMPANY		Numeric	4
REQ-LOCATION	REQ-LOCATION		Alpha	5
ACTION	ALPHADATA1		Alpha	1
CHG-DATE	DATE		yyyymmdd	8
CHG-TIME	TIME		Numeric	6

Index Definition:

Product Line:	PROD
Index Name:	MK5SET1
Duplicates:	No
File Name:	MKRQLCHG
Primary:	Yes
Virtual:	No
Key Change:	No
File Prefix:	MK5
Condition Name:	
Text Index:	No

Key Fields:

- COMPANY
- CHG-DATE
- CHG-TIME
- REQ-LOCATION

MKVENCHG

File Definition:

Product Line: PROD

System: IC

File Name: MKVENCHG

Unique ID: No

Prefix: MK4

Change Tracking: Off

Attachments: No

File Layout:

Field Name	Element	Occurs	Type	Size
VENDOR-GROUP	VENDOR-GROUP		Alpha	4
VENDOR	VENDOR		Alpharight	9
LOCATION-CODE	LOCATION-CODE		Alpha	4
ACTION	ALPHADATA1		Alpha	1
CHG-DATE	DATE		yyyymmdd	8
CHG-TIME	TIME		Numeric	6
UNIQUE-KEY	DESCRIPTION		Alphalc	30

Index Definition:

Product Line: PROD

Index Name: MK4SET1

Duplicates: No

File Name: MKVENCHG

Primary: Yes

Virtual: No

Key Change: No

File Prefix: MK4

Condition Name:

Text Index: No

Key Fields:

- VENDOR-GROUP
- CHG-DATE
- CHG-TIME
- VENDOR
- LOCATION-CODE
- UNIQUE-KEY

MKVAGMTCHG

File Definition:

Product Line: PROD

System: IC

File Name: MKVAGMTCHG

Unique ID: No

Prefix: MK8

Change Tracking: Off

Attachments: No

File Layout:

Field Name	Element	Occurs	Type	Size
PROCURE-GROUP	PROCURE-GROUP		Alpha	4
VEN-AGRMT-REF	VEN-AGRMT-REF		Alpha	30
ACTION	ALPHADATA1		Alpha	1
CHG-DATE	DATE		yyyymmdd	8
CHG-TIME	TIME		Numeric	6
UNIQUE-KEY	DESCRIPTION		Alphalc	30

Index Definition:

Product Line:	PROD
Index Name:	MK8SET1
Duplicates:	No
File Name:	MKVAGMTCHG
Primary:	Yes
Virtual:	No
Key Change:	No
File Prefix:	MK8
Condition Name:	
Text Index:	No

Key Fields:

- PROCURE-GROUP
- CHG-DATE
- CHG-TIME
- VEN-AGRMT-REF
- UNIQUE-KEY

Performing the Initial Data Load

After Infor has been prepared for integration, you can run the Initial Data Load wizard to provide TEST data for review in Meperia Strategic Sourcing.

After testing is complete and just before installing and configuring Meperia Strategic Sourcing (as instructed in Chapter 1), you can run the Initial Data Load wizard again to provide LIVE data for use in the Meperia Strategic Sourcing Production environment.

Note: Contents of Infor IDL files are listed in Appendix C of this guide.

Run the Initial Data Load Wizard

1. Double-click InitialDataLoadWizard.exe.

Note: If .NET framework 2.0 does not exist on the server, the system displays an error message asking that it be installed.

---

2. On the Step 1 - Welcome page, click **Next**.

3. Complete the Step 2 – Material Management System page, and then click **Next**.

   - In Select System, select **Infor**.
   - In Output Data Folder, accept the default or browse to and select the folder location where extracted IDL files are placed.

Caution: Leave Delimiter set to **Comma**. The Tab delimiter option is not available at this time.

4. On the Step 3 – Database Connection & Authentication page,

   - For Infor version 9 integration, select **ODBC Connection**. Select the Data Source Name in DSN, type the name of the Database Schema used to run IDL queries, and then click **Next**.

Note: Database Schema is associated with the database user running the Initial Data Load wizard. If no schema is associated with the database user, you can leave Database Schema blank.

   - For Infor version 10 integration, select **DME Connection**. Type the Server Name where the Infor database resides. Click to select **Secure Server** if the server requires secure (https) access. Type the Product Line used for Meperia Strategic Sourcing Integration and the Timeout value (in seconds) for an inactive connection to the server. With **Use Custom Authentication** selected, type the User ID and Password used by the MSS Integrator to access the Infor server (the Integration Account discussed earlier in this chapter). Click **Next**.

5. On the Step 4 – Customer Identification page, type the Customer Name or EID to label the output files sent for MSS processing, and select the MSS Environment. Click **Next**.

The system validates the EID. If it is invalid, you can click **No** to correct your entry. If you click **Yes** to continue, the extracted data has no EID associated with it in the Strategic Supply Agent's Configuration dialog box.

6. On the Step 5 – Procurement Group/Select Corporation page, select the Procurement Group to be processed. Add or remove corporations from the Selected list, and then click **Next**.

7. On the Step 6 – Expense Account page, designate the expense accounts you want to exclude, and then click **Next**.

8. On the Step 7 – Location page, designate the locations you want to exclude, and then click **Next**.

9. Complete the Step 8 – Content Management Extract Data Settings page, and then click **Next**.

    - Deselect any Data Sets you do not want included in the Initial Data Load.
    - If the Item Master Data Set is selected, you must select a location for primary vendor output.

10. Complete the Step 9– Requisition Management Extract Data Settings page, and then click **Next**.

    - Deselect any Data Sets you do not want included in the Initial Data Load.
    - If the Inventory or Requisition Template Data Set is selected, you must select the supply location used to determine the primary vendor for stock items.

11. On the Step 10 – Validation page, after the system validates settings and connections, click **Next**.

12. On the Step 11 – Extracting Data page, after the system successfully extracts files, click **Next**.

13. On the Step 12 – Completion page,

    - For Infor version 9 integration, click **View Generated Files** if you want to review the IDL contents. When you are finished, click **Close**.
    - For Infor version 10 integration, click **View Generated Files** to open the folder where the DME output zip file (InforIDL_<CustomerName>.zip) is stored. When

you are satisfied with the content of the DME output file, copy the .zip file to the DME file processing location on the workstation.

Meperia uses the contents of the InforIDL_<CustomerName>.zip file to generate the .CSV IDL files that are used to upload data into Meperia Strategic Sourcing.

Run the IDL Validation Utility

The IDL Validation Utility generates an IDL Validation Report. This report is used to identify missing or invalid data found in the IDL files and to outline what updates are needed by the customer or the Meperia Data Team with instruction from the customer. Below is a list of common errors found in the IDL Validation Report. Work with the customer to resolve any identified issues.

Input File	Error
Contract Master	[contract_gpo_name, contract_number, contract_start, contract_end, vendor_name, mfr_item_id, mfr_name, item_uom, corp_id] is not unique
	GPO Name is blank
GL Account	Same cost center name with different numbers
	Same cost center number with different names
Item Master	Manufacture number is blank
Location	Invalid route number
	Inventory location name is blank
	Inventory location sequence number is blank
	Inventory path name does not reference locations.name
Manufacturer Master	Manufacturer name is not unique
	Manufacturer number is blank
Purchase Order	Cost center number is not in GL Chart
	Cost center name is not in GL Chart
	Item number is not in Item file
	Invalid Vendor Code
Requisition History Load	Cost center number is not in GL Chart
	Cost center name is not in GL Chart
	Item number is not in Item file
	[req_no, req_line_number] is not unique
User	email is not unique
	email is null
	Invalid email address

Ongoing Data Updates

After the subscriber organization starts using Meperia Strategic Sourcing integration in the LIVE Production environment, outbound interfaces created and scheduled by the Strategic Supply Agent run periodically to extract the most current Infor data to refresh Meperia Strategic Sourcing.

At the same time, interfaces and web services created and hosted in the Meperia Strategic Sourcing Cloud run continuously to share data between Meperia Strategic Sourcing and Infor.

Outbound Interfaces

Outbound interfaces sharing data from Infor to Meperia Strategic Sourcing are listed in the following table.

Interface	Description
GL Chart	Runs every five minutes. Passes new GL accounts and changes to existing GL accounts. Results in 45 minutes or less.
Invoices	Runs weekly. Processes data on new Matched Invoices and existing re-Matched invoices.
Items	Runs every five minutes. Passes new items, changes to existing items, updates item stock data in the Virtual Item Master (VIM). Results in 50 minutes or less.
Locations	Runs every five minutes. Passes new locations and changes to existing locations. Results in 45 minutes or less.
Manufacturers	Runs every five minutes. Passes new manufacturers and changes to existing manufacturers. Results in 45 minutes or less.
Purchase Orders	Runs daily. Passes Completed PO data. Results in 24 hours or less.
Requisition Status	Runs every five minutes. Passes requisition line status updates. Results in 55 minutes or less.
Vendors	Runs every five minutes. Passes new vendors and changes to existing vendors. Results in 45 minutes or less.

Inbound Interfaces

Inbound interfaces sharing data from Meperia Strategic Sourcing to Infor are listed in the following table.

Interface	Description
Requisitions	Runs continuously. Passes submitted requisitions.

Chapter 4 **Installing Meperia Strategic Sourcing Components**

Introduction

This chapter provides detailed instructions for installing Meperia Strategic Sourcing and configuring the Strategic Supply Agent.

Caution: Before you complete the tasks listed in this chapter, complete the tasks described in the chapter of the guide dedicated to the Materials Management Information System (MMIS), such as Veradigm Supply Chain Management, Paragon Materials Management, or Infor Supply Chain Management.

Note: Meperia Strategic Sourcing integration is available for versions of Supply Chain Management and its predecessors Horizon Enterprise Materials Management and Pathways Materials Management. For expediency, this guide refers to them all using the name Supply Chain Management. Infor Supply Chain Management is referred to as Infor.

In this chapter

The main topics of this chapter are listed in the following table.

Topic	See page
Introduction	5-1
Requirements and Process	5-2
Installing the MSS Integrator	5-5
Installing ERP Integration Certificates	5-10
Adding Configuration Nodes to the Agent	5-12

Requirements and Process

Before you begin

Before you install Meperia Strategic Sourcing Integration components, verify that

- An approved Materials Management Information System (MMIS) has been prepared for integration as described in the chapter of this guide dedicated to the MMIS.
- At least one Initial Data Load (IDL) has been performed from the MMIS to Meperia Strategic Sourcing as described in the chapter of this guide dedicated to the MMIS.
- The subscriber organization's data has been tested in Meperia Strategic Sourcing, and the subscriber organization is ready to start using Meperia Strategic Sourcing.

Note: Meperia Strategic Sourcing is compatible with Internet Explorer 8 or later.

Installation Process

The installation process for Meperia Strategic Sourcing Integration components is described in the order in which it must be accomplished in the following table.

Task	Description
1	For integration with Paragon Materials Management, install the MSS_Integrator database and link it to the Paragon database.
2	Install the MSS Integrator to regulate the servers and databases, user names and passwords that Meperia Strategic Sourcing uses to exchange data with the MMIS. **Caution:** The date and time set on the MSS Integrator must be in the same time zone as the MMIS database.
3	Install and configure the SMTP Server to allow email notifications to be sent to Meperia Support and to the subscriber's in-house resources.
4	Install ERP Integration Certificates to allow communication with the Amazon Cloud.
5	Add a configuration node to the Strategic Supply Agent (the Agent) for each MMIS database to manage data flow between Meperia Strategic Sourcing and the MMIS.

Installing the MSS Integrator

Install the MSS Integrator

1. In the MSSIntegrator folder on the installation CD, double-click MSS_Integrator.exe.

2. When the Meperia Strategic Sourcing Integrator Setup dialog box is displayed, click Next.

3. In the Choose Materials Management System dialog box, select the subscriber organization's MMIS (McKesson Supply Chain Management, Paragon Materials Management, or Infor Supply Chain Management), and click Next.

4. Select whether this installation is for a Production (Live) or Testing environment and click Next.

5. Accept the default installation location or select another location to install the Integrator files. Click Next.

The default location is C:\Program Files\Strategic Supply Sourcing Integrator or C:\Program Files (x86)\Strategic Supply Sourcing Integrator.

6. Accept the default program group name (to be displayed in the Start menu) or type your own entry.

7. Click to select whether you want to Create Shortcuts for all users of this computer or Create Shortcut just for me. Click Next.

8. In Your Company, type the subscriber organization name used by the MSS Agent and Meperia Support to identify the system and type the organization's McKesson ID in McKID. Click Next.

Note: The McKesson ID you enter must match the Personal Information Exchange certificate.

Note: After the integrator install when creating a new configuration, the new configuration window pops-up behind the current window and is hidden from view. Minimize the current window to get to the configuration screen.

9. Complete the Configure Meperia Strategic Sourcing Integrator Setup dialog box, and then click **Next**.

MMIS	Steps
Supply Chain Management or Paragon	In Server Name, type the name of the server where the MMIS database resides. In Database Name, type the name of the MMIS database. **Note**: For a Paragon Integrator install, when prompted for the paragon database name, use "SSS_IntegratorDB" and not "paragon". If you want to use the default user for the Integrator to connect to the MMIS database, click to select **System Account (MSSInt)**. If you want to specify a different user to connect to the MMIS database, click to select **Other**. Type the Integrator's Username and Password in the fields provided.
Infor	Type the Server Name where the Infor database resides. Click to select **Secure Server** if the server requires secure (https) access. Server URL populates automatically. Type the Username and Password used by the MSS Integrator to access the Infor server. Type the Product Line used for Meperia Strategic Sourcing Integration. Click to select **V10 and above** if Infor version 10 or later is used. Type the Procurement Group used for Meperia Strategic Sourcing Integration. Type the Time Out value (in seconds) for an inactive connection to the server.

10. When the system indicates your entries are successful, click **Next**.

11. After the Integrator has completed its installation, click **Finish**.

Caution: Remember that the date and time set on the MSS Integrator must be in the same time zone as the MMIS database.

Installing an MSS Integrator Update (Hot Fix)

Updates to the MSS Integrator are distributed via Download Central. The zip file that you download contains a Version Notes document explaining the update and an MSS_Integrator.exe file. Read the document before you apply the update.

Caution: If you are upgrading the MSS Integrator from a version earlier than the December 2016 release, you must recreate your Configuration as explained in the "before" and "after" procedures in this section.

If you are upgrading the MSS Integrator from a version earlier than the June 2016 release,

before you run the Integrator update,

1. In the Strategic Supply Agent, open the MMIS Adapter Outgoing Node. Select your configuration. In the Action pane, click **Stop**.

2. Open the MMIS Adapter Incoming Node. Select your configuration. In the Action pane, click **Stop**.

3. Open the MMIS Adapter Partner Node. Select your configuration. In the Action pane, click **Stop**.

4. Open the Configuration node. Select your configuration. In the Action pane, click **Edit Configuration**.

5. Make exact note of the current settings in the Edit Configuration dialog box for later re-entry. Click **OK**.

6. Make exact note of all the Last Execution Dates of interfaces for later re-entry.

7. When you are finished, click **OK**, and then click **Delete Configuration.**

8. Close the Strategic Supply Agent.

To install the MSS Integrator Update (Hot Fix),

Caution: You must have at least 5 GB of free disk space and have .NET Framework 4.5 of later installed to install an MSS Integrator Update

1. Double-click **MSS_Integrator.exe.**

2. When the Meperia Strategic Sourcing Integrator Setup dialog box is displayed, click **Next**.

3. When prompted to keep your original settings, select **Yes** (recommended) to apply the update without changing any of your settings. Click **Next** and skip to step 8.

If you select **No** and click **Next**, current settings are displayed so you can change them. Continue with step 4.

4. Type the subscriber organization name used by the MSS Agent and Meperia Support to identify the system in Your Company and type the organization's McKesson ID in McKID. Click **Next**.

Caution: The McKesson ID you enter must match the Personal Information Exchange certificate.

5. Select whether this installation is for a **Production** (Live) or **Testing** environment and click **Next**.

6. Complete the Configure Meperia Strategic Sourcing Integrator Setup dialog box, and then click **Next**.

MMIS	Steps
Supply Chain Management or Paragon	In Server Name, type the name of the server where the MMIS database resides. In Database Name, type the name of the MMIS database. If you want to use the default user for the Integrator to connect to the MMIS database, click to select **System Account (RIOEDIT)**. If you want to specify a different user to connect to the MMIS database, click to select **Other**. Type the Integrator's Username and Password in the fields provided.

MMIS	Steps
Infor	Type the Server Name where the Infor database resides. Click to select **Secure Server** if the server requires secure (https) access. Server URL populates automatically. Type the Username and Password used by the MSS Integrator to access the Infor server. Type the Product Line used for Meperia Strategic Sourcing Integration. Click to select **V10 and above** if Infor version 10 or later is used. Type the Procurement Group used for Meperia Strategic Sourcing Integration. Type the Time Out value (in seconds) for an inactive connection to the server.

7. When the system indicates your entries are successful, click **Next**.

8. When the system asks if you want to restart MSS Integrator tasks after the update, click to select **Yes** (recommended) to automatically restart tasks or **No** to leave tasks disabled. Click **Next**.

9. After the Integrator has completed its update, click **Finish**.

If you are upgrading the MSS Integrator from a version earlier than the June 2016 release, *after* the Integrator update has been applied,

1. In the Strategic Supply Agent, select **Configurations**. In the **Action Pane**, click **New Configuration**.

2. In the New Configuration dialog box, type the values you noted from the old configuration, and then click **OK**.

3. In the next dialog box, set the Last Execution dates for the outgoing interfaces to match the values you noted from the old configuration.

4. Click **OK** to finish creating the configuration.

Installing ERP Integration Certificates

Each subscriber organization must have an Meperia-authorized ERP Integration Certificate and a unique Personal Information Exchange Certificate in order to establish data communications with Meperia Strategic Sourcing in the Amazon Cloud.

The subscriber organization can obtain the certificate files (named ERPIntegration.cer and MCK<numbers>.pfx) from their Meperia Implementations Analyst.

Both certificates must be installed on a dedicated MMIS server running Windows Server 2008 or later.

Install ERP Integration Certificates

You must install certificates for communication with the Amazon Cloud before you install integration components.

1. From the **Start** menu, select **Run**.
2. In Open, type **MMC** and then click **OK**.
3. Select File and Add/Remove Snap In.
4. Select **Certificates**, and then click **Add**.
5. Select Computer Account and Local Computer.
6. Click **Finish**, and then click **OK**.
7. Select **Certificates**, and then (in the right pane) double-click **Trusted People**.
8. Right-click the right pane and select **All Tasks** and **Import**.
9. Click **Next**, and then browse to and select the **ERPIntegration.cer** file. Click **OK**.
10. Click **Next**. Click **Next**, and then click **Finish**.
11. In Certificates, right-click the right pane again and select **All Tasks** and **Import**.
12. Click **Next**, and then browse to the location where you saved the **pfx** file that starts with **MCK**.

13. Change the selection from x.509 Certificate (*.cer, *.crt) to Personal Information Exchange (*.pfx, *.p12).

14. Select the **MCK<numbers>.pfx** file, and then click **OK**.

15. Click **Next**, and then type the password for the Certificate.
    Password = MPTr&d2000

16. Click **Next**, and then click **Finish**.

Adding Configuration Nodes to the Agent

Strategic Supply Agent

The Strategic Supply Agent (the Agent), a software configuration and management utility installed on an MMIS server running Windows Server 2008 or later by the MSS Integrator, manages integration with Meperia Strategic Sourcing.

The Agent contains an Adapter snap-in where configuration nodes can be maintained for updates to and from Meperia Strategic Sourcing.

The Agent invokes outbound configuration nodes to gather MMIS data and deliver it for use in Meperia Strategic Sourcing.

The Agent invokes inbound configuration nodes to retrieve Meperia Strategic Sourcing requisitions and other data and pass them to the MMIS database for processing.

Configuration Nodes

In the Strategic Supply Agent, you must create one configuration node for each MMIS database that shares data with Meperia Strategic Sourcing. For example, one configuration for the Test database and one for the Production database.

Caution: Remember that the date and time set on the MSS Integrator must be in the same time zone as the MMIS database.

Caution: For Supply Chain Management integration, Meperia Strategic Sourcing configurations are run by the system User ID strategic. Do not delete or rename the strategic User ID in the MMIS database.

Accessing the Strategic Supply Agent

After installing components as described earlier in this chapter, you can access the Strategic Supply Agent from the Start menu by selecting All Programs, Meperia Strategic Sourcing, and Strategic Supply Agent.

Create a Configuration for Supply Chain Management or Paragon

To create a new Configuration for Supply Chain Management or Paragon,

1. Under Supply Chain Adapter, select the **Configurations** node. Under Actions at right, click **New Configuration**.

2. In the New Configuration dialog box, under Configuration, type a unique Name of Configuration, and type the organization's McKesson ID (McKID). Click to select **Enable Partner**.

3. Under Common Interface Settings:

   - Type a Domain name, User Name, and User Password.
   - For Type the Data Source Name (DSN).
   - Browse to and select the Data Directory where the Agent places outgoing and retrieves incoming data files.
   - Type the From Email Address and To Email Address (optional recipient) and specify the subscriber organization's SMTP Server Name.

   Note: Meperia recommends leaving Send all error notifications to StrategicSupplySupport@Allscripts.com checked OFF.

4. Under Outgoing Settings, select the Transactional or Historical Dataset you want to configure.

   - Select **Day of Month**, **Day of Week**, or **Daily at** and then specify the Date/Day and/or Time.
   - For Transactional Data sets, specify the Interval (minutes) between executions of the outgoing data set.
   - For Requisition Inbound Transactional Data sets, select from the following processing options:

If you want the system to...	Then click to select...
convert stock items to the issue UOM and item price from the supply location where the item is to be ordered from (based on inventory path)	REQ Inbound Auto Inventory
process all non-catalog requisition lines as Auto PO in Supply Chain Management	REQ Inbound Non-Catalog Auto PO. When not selected, non-catalog requisition lines are saved as Pending PO in Supply Chain Management and are available for selection in the global profile.
leave the order quantity as is (do not convert order quantity) when converting stockless items to the order UOM	REQ Inbound Auto Inventory Stockless
process all requisition lines as Auto PO in Supply Chain Management even when a note is attached	REQ Inbound Allow Req Line Note Auto PO
process requisition lines that can be processed when other requisition lines have failed (rather than failing the entire requisition)	REQ Inbound Process Partial Requisitions

5. At the bottom of the New Configuration dialog box,

   - Click **Locations** and designate the locations you want to exclude from integration with Meperia Strategic Sourcing. For Paragon, if you want to include par locations, be sure to click to select **Include Par Locations**. Click **OK** to return to the New Configuration dialog box.
   - Click **Execution Dates** and set the date and time for outgoing interfaces. Click
   - **OK** to return to the New Configuration dialog box.
   - When you are finished, click **OK**.
   - When you are prompted to start all tasks, click **Yes**.

Note: If an Initial Data Load (IDL) has not been run or if the latest Hot Fix has not been installed, interfaces used in integration start gathering data as of the current date.

Create a Configuration for Infor

To create a new Configuration *for Infor*,

1. Under Infor Adapter, select the **Configurations** node. Under Actions at right, click **New Configuration.**

2. In the New Configuration dialog box, under Configuration, type a unique Name of Configuration, and type the organization's McKesson ID (McKID). Click to select **Enable Partner**.

3. Under Common Interface Settings:

    - Type a Domain name, User Name, and User Password.
    - Type the Server name and click to select **Secure Server** if the server requires secure (https) access.
    - Type the Product Line used for Meperia Strategic Sourcing Integration and click to select **V10 and above** if Infor version 10 or later is used.
    - Type the App User Name and App Password that the MSS Integrator can use to access Infor Supply Chain Management.
    - Select the Procurement Group used for Meperia Strategic Sourcing Integration.
    - Browse to and select the Data Directory where the Agent places outgoing and retrieves incoming data files.
    - Type the From Email Address and To Email Address (optional recipient) and specify the subscriber organization's SMTP Server Name.

    Note: Meperia recommends leaving Send all error notifications to StrategicSupplySupport@Allscripts.com checked OFF.

4. Under Outgoing Settings, select the Transactional or Historical Dataset you want to configure.

    - Select **Day of Month**, **Day of Week**, or **Daily at** and then specify the Date/Day and/or Time.
    - For Transactional Data sets, specify the Interval (minutes) between executions of the outgoing data set.

5. At the bottom of the New Configuration dialog box,

    - Click **Locations** and designate the locations you want to exclude from integration with Meperia Strategic Sourcing. Click **OK** to return to the New Configuration dialog box.
    - Click **Execution Dates** and set the date and time for outgoing interfaces. Click
    - **OK** to return to the New Configuration dialog box.

- When you are finished, click **OK**.
- When you are prompted to start all tasks, click **Yes**.

Note: If an Initial Data Load (IDL) has not been run or if the latest Hot Fix has not been installed, interfaces used in integration start gathering data as of the current date.

Test Email Notification

To test email notification after creating a configuration,

1. Select the configuration node and, under Actions at right, click **Send Test Email**.

2. In the SendEmailForm dialog box, set the To: address line to an email address you can readily access. Then, click **Send**.

A test email is sent to the address you used on the To: address line.

Edit a Configuration

If necessary, you can change existing data configuration settings. To edit a data configuration,

1. Under Configurations, with the data configuration (Outgoing, Incoming, Partner, Reports) selected, click **Edit Configuration** in the Actions panel at right.

2. If you are prompted that the configuration cannot be edited because tasks are running, click **Yes** to stop the tasks and edit the configuration or **No** to leave the tasks running and cancel your configuration change.

   Tip: You can click Settings in the Actions panel at right to see the configuration's Profile Path, Meperia Support email address, Installation Path, and Environment.

3. Make your changes, and then click **OK**.

4. When you are prompted to start all tasks, click **Yes**.

5. Under Actions at right, click **Refresh** to see your changes applied in the Strategic Supply Agent.

Configure the Reports Event Log

The Reports configuration contains the settings used to filter Event and Audit reports about the Agent's operation.

You can define Event Log Settings to Show Events/Audits For the Last XX number of days or to Show Events/Audits Older Than XX number of days.

You can select the Event Types and the Modules you want included in the Event Log report.

Start the Configurations

If tasks were not started when the configuration was created, start all tasks by selecting each configuration under Configurations and clicking Run All Tasks in the Actions pane at right. You can start individual tasks by selecting each configuration (Outgoing, Incoming, and Partner) and clicking Run under Actions at right.

Stop the Configurations

You can stop all tasks by selecting each configuration under Configurations and clicking Stop All Tasks in the Actions pane at right. You can stop individual tasks by selecting each configuration (Outgoing, Incoming, and Partner) and clicking Stop under Actions at right.

Appendix A Supply Chain Management IDL Contents

Introduction

Comma-delimited contents of Supply Chain Management IDL files (used to load data into Meperia Strategic Sourcing) are listed in this appendix.

Also included are the HL7 contents of the Contract Header IDL used to load contract data into Supply Chain Management from Meperia Strategic Sourcing.

Required sequences are listed in bold.

In this appendix

The main topics of this appendix are listed in the following table.

Topic	See page
Introduction	A-1
Content Management	A-2
Requisition Management	A-13
Contract Header	A-28

Content Management

Data Elements

Manufacturer Master

Contents of the Manufacturer Master IDL file are listed in the following table. Sequences 1 and 2 are required.

Seq	Column Header	Source or Value
1	**Mfr_Name**	**MFR.NAME**
2	**Mfr_Number**	**MFR.MFR_NO**
3	Mfr_LIC	MFR.LIC
4	Mfr_GLN	MFR.GLN
5	Mfr_Address1	ADDR.ADDR1
6	Mfr_Address2	ADDR.ADDR2
7	Mfr_Address3	ADDR.ADDR3
8	City	ADDR.CITY
9	State	ADDR.STATE
10	ZIP_Code	ADDR.POST_CODE
11	Country_Code	ADDR.CNTRY_CD
12	Country_Name	CODE_TABLE.NAME
13	Contact	ADDR.CONTACT
14	Phone	ADDR.PHONE
15	Fax	ADDR.FAX
16	Email	ADDR.EMAIL
17	Active	MFR.INACT_IND
18	Corp_Id	
19	Corp_Name	

Vendor Master

Contents of the Vendor Master IDL file are listed in the following table. Sequences 1, 3, and 20 are required.

Seq	Column Header	Source or Value
1	**Vendor_Code**	**VEND.VEND_CODE**
2	Conversion_Code	
3	**Vendor_Name**	**VEND.NAME**
4	Vendor_GLN	VEND_ADDR.GLN
5	Submit_Type	VEND.SUBMIT_TYPE
6	Vendor_Address1	ADDR.ADDR1
7	Vendor_Address2	ADDR.ADDR2
8	Vendor_Address3	ADDR.ADDR3
9	City	ADDR.CITY
10	State	ADDR.STATE
11	ZIP_Code	ADDR.POST_CODE
12	Country_Code	ADDR.CNTRY_CD
13	Country_Name	CODE_TABLE.NAME
14	Contact	ADDR.CONTACT
15	Phone	ADDR.PHONE
16	Fax	ADDR.FAX
17	Email	ADDR.EMAIL
18	Corp_Id	Must be unique
19	Corp_Name	
20	**Vendor_Status**	**Always send A**

Item Master

Contents of the Item Master IDL file are listed in the following table. Includes all vendors associated with the item. Excludes items with no default expense code and excludes items with a single UOM that has a QOE greater than one (1).

Seq	Column Header	Source or Value
1	Item_Id	ITEM.ITEM_NO
2	Vendor_Item_Id	ITEM_VEND_PKG.CTLG_NO
3	Corp_Id	CORP.ACCT_NO
4	Corp_Name	CORP.NAME
5	Vendor_Name	VEND.NAME
6	Vendor_Code	VEND.VEND_CODE
7	Vendor_Sequence	ITEM_VEND.SEQ_NO
8	Mfr_item_Id	ITEM.CTLG_NO
9	Mfr_Name	MFR.NAME
10	Mfr_Number	MFR.MFR_NO
11	Item_Descr	ITEM.DESCR
12	Default_UOM	ITEM_VEND.ORDER_UM_CD
13	Item_UOM	ITEM_VEND_PKG.UM_CD
14	Item_QOE	ITEM_VEND_PKG_FACTOR.TO_QTY
15	Item_Price	ITEM_VEND_PKG.PRICE
16	Active	ITEM.STAT
17	ExpAcctNo	ITEM_CORP_ACCT.EXP_ACCT_NO
18	SubAcctNo	ITEM_CORP_ACCT.SUB_ACCT_NO

Purchase Order History

Contents of the Purchase Order History IDL file are listed in the following table. Sequences 1, 2, 5, 7, 8, 14, 15, 17, 18, and 19 are required.

Seq	Column Header	Source or Value
1	**PO_NO**	**PO.PO_NO**
2	**PO_Date**	**PO.PO_DATE** **Format: mm-dd-yyyy**
3	Corp_Id	CORP.ACCT_NO
4	Corp_Name	CORP.NAME
5	**PO_Line_Number**	**PO_LINE.LINE_NO** **Must be a number greater than or equal to 1.**
6	Item_Id	ITEM.ITEM_NO
7	**Vendor_Item_Id**	**PO_LINE.CTLG_NO**
8	**Vendor_Name**	**VEND.NAME**
9	Vendor_Code	VEND.VEND_CODE
10	Mfr_Item_Id	ITEM.CTLG_NO
11	Mfr_Name	MFR.NAME
12	Mfr_Number	MFR.MFR_NO
13	Item_Descr	ITEM.DESCR
14	**Purchase_QTY**	**PO_LINE.QTY** **Must be a number greater than or equal to 1**
15	**Purchase_UOM**	**PO_LINE.UM_CD** **Must be 1-3 characters or numbers or exist in the list of standard UOMs (ANSI X12)**
16	Purchase_QOE	ITEM_VEND_PKG_FACTOR.TO_QTY
17	**Purchase Price**	**PO_LINE.PRICE** **Must be a number greater than or equal to 0** **No dollar signs, commas, or special characters.**
18	**Cost_Center_Id**	**CC.ACCT_NO** **Required for Insight. Mapped to GL Chart.**

Seq	Column Header	Source or Value
19	**Cost_Center_Name**	**CC.NAME** **Required for Insight. Mapped to GL Chart.**
20	Exp_Acct_Number	EXP_CODE.ACCT_NO
21	Exp_Acct_Name	EXP_CODE.NAME
22	Req_Number	PO_LINE.REQ_NO
23	Qty_Received_To_Date	
24	Status	

Invoice History

Contents of the Invoice History IDL file are listed in the following table. Sequences 1 through 5, 18, and 26 through 35 are required.

Seq	Column Header	Len	Source or Value
1	**INV_NO**	**30**	**INV.INV_NO**
2	**INV_Date**	**14**	**INV.INV_DATE**
3	**Corp_Id**	**40**	**CORP.ACCT_NO**
4	**Corp_Name**	**40**	**CORP.NAME**
5	**LINE_NO**	**5**	**INV_LINE.LINE_NO**
6	Item_Id	15	ITEM.ITEM_NO Required for PO invoices.
7	Vendor_Item_Id	20	ITEM_VEND_PKG.CTLG_NO
8	Vendor_Name	40	VEND.NAME Required for PO invoices.
9	Vendor_Code	20	VEND.VEND_CODE Required for PO invoices.
10	Vendor_Address	35	ADDR.ADDR1
11	City	20	ADDR.CITY
12	State	2	ADDR.STATE
13	ZIP_Code	15	ADDR.POST_CODE

Seq	Column Header	Len	Source or Value
14	Item_Descr	256	ITEM.DESCR Required for PO invoices. For check requests, use the GL expense account description.
15	Item_Invoice_Qty	53	INV_LINE.QTY Line quantity for PO invoices. 1 for check requests.
16	Item_Invoice_UOM	16	INV_LINE.UM_CD Required for PO invoices.
17	Item_Invoice_QOE	11	ITEM_VEND_PKG_FACTOR.TO_QTY Required for PO invoices.
18	**Invoice_Item_ Price**	**19**	**INV_LINE.PMT_PRICE** **Format negative amount as –x.xxxx**
19	Invoice_Discount_ Amount	19	INV.MISC_DISCOUNT_AMT Format negative amount as –x.xxxx
20	Invoice_Other_ Fees	19	INV.MISC_AMT Format negative amount as –x.xxxx
21	Invoice_Line_ Discount_Amount	19	INV_LINE.MISC_DISCOUNT Format negative amount as –x.xxxx
22	Invoice_Line_Other _Fees	19	INV_LINE.MISC_AMT Format negative amount as –x.xxxx
23	PO_Number	22	PO.PO_NO Required for PO invoices.
24	PO_Line_Number	5	INV_LINE_PO.LINE_NO Required for PO invoices.
25	PO_Price	19	INV_LINE_PO.PRICE Required for PO invoices. Format negative amount as –x.xxxx
26	**Cost_Center_Id**	**40**	**CC.ACCT_NO**
27	**Cost_Center_ Name**	**40**	**CC.NAME** **Can be different on PO and PO invoice.**

Seq	Column Header	Len	Source or Value
28	Freight_Amount	19	INV.FRT_AMT Format negative amount as –x.xxxx
29	Header_ID	10	INV.INV_ID
30	Line_ID	10	INV_LINE.INV_LINE_ID
31	Invoice_Type	1	INV.INV_TYPE_CD P=PO invoice, C=Check Request invoice
32	Rec_Update_Date	14	INV.REC_UPDATE_DATE
33	Invoice Status	5	INV.STAT
34	Expense_Acct_Code	40	EXP_CODE.ACCT_NO
35	Expense_Acct_Name	40	EXP_CODE.NAME

GL Account

Contents of the GL Account IDL file are listed in the following table. Sequences 1, 2, 3, 5, 6, 7, 8, 9, and 10 are required.

Seq	Column Header	Source or Value)
1	**CORP_ACCT_NO**	**CORP.ACCT_NO**
2	**CORP_ACCT_NAME**	**CORP.NAME**
3	**CORP_ACCT_FMT**	**CORP.ACCT_FMT** **Format: Ax-By-Cz (where x,y,z are integers) – ex. A2- B5-C5** **If formatted AxByCz (ex. A2B5C5), adds hyphens (-)**
4	CORP_GLN	CORP.GLN
5	**CC_ACCT_NO**	**CC_ACCT_NO**
6	**CC_ACCT_NAME**	**CC.NAME**
7	**CC_ACCT_TYPE**	**CC.ACCT_TYPE** **If numeric, validates against account_types**
8	**EXP_ACCT_NO**	**EXP_CODE.ACCT**
9	**EXP_ACCT_NAME**	**EXP_CODE.NAME**
10	**EXP_ACCT_TYPE**	**EXP_CODE.ACCT_TYPE** **If numeric, validates against account_types**
11	**SUB_ACCT_NO**	**SUB_ACCT.ACCT_NO**
12	**SUB_ACCT_NAME**	**SUB_ACCT.NAME**
13	**FQ_ACCT_NO**	**SUB_ACCT.ACCT_FMT**

Contract Master

Contents of the Contract Master IDL file are listed in the following table. Sequences 1, 3, 4, 8, 12, 14, 15, 18, 19, and 20 are required.

Seq	Column Header	Source or Value
1	**Contract_Number**	**CONTRACT.CONTRACT_NO**
2	Contract_Name	CONTRACT_NAME
3	**Contract_Start**	**CONTRACT.EFFECTIVE_DATE** **Format: mm-dd-yyyy**
4	**Contract_End**	**CONTRACT.EXPIRE_DATE** **Format: mm-dd-yyyy**
5	Contract_GPO_Name	CONTRACT.GPO_NAME
6	Contract_Status	CONTRACT.STAT
7	Price_Mark_Up	CONTRACT.ACTUAL_PRICE_MARKUP
8	**Corp_Id**	**CORP.ACCT_NO** **Mapped to GL Chart**
9	Corp_Name	CORP.NAME Mapped to GL Chart
10	Local_Item_Id	ITEM.ITEM_NO
11	Vendor_Item_Id	CONTRACT_ITEM_PKG.CTLG_NO
12	**Vendor_Name**	**VEND.NAME** **Mapped to Vendor Master**
13	Vendor_Code	VEND.VEND_CODE

Seq	Column Header	Source or Value
14	**Mfr_Item_Id**	**ITEM.CTLG_NO**
15	**Mfr_Name**	**MFR.NAME**
16	Mfr_Number	MFR.MFR_NO
17	Item_Descr	ITEM.DESCR
18	**Item_UOM**	**CONTRACT_ITEM_PKG.UM_CD** **Must be 1-3 characters or numbers or exist in the list of standard UOMs (ANSI X12)**
19	**Item_QOE**	**ITEM_VEND_PKG_FACTOR.TO_QTY** **Must be a number greater than or equal to 1.**
20	**Contract_Price**	**CONTRACT_ITEM_PKG.PRICE** **Must be a number greater than or equal to 0.** **Descending order corresponding to** **Item_QOE. No dollar signs, commas, or** **special characters.**
21	Product_Cost	CONTRACT_ITEM_PKG.PRODUCT_COST
22	Master_Corp_Indicator	CONTRACT_CORP.MAST_CORP_IND
23	Priority	hardcoded 1
24	Contract_Type	Valid values: D (Distribution), M (Manufacturer)

Requisition Management

Data Elements

UOM

Contents of the UOMs IDL file are listed in the following table. All sequences are required.

Seq	Column Header	Source or Value
1	**UM**	**CODE_TABLE.TYPE_CD**
2	**Description**	**CODE_TABLE.NAME**
3	**Active**	**CODE_TABLE.INACT_IND**

Item Cost Center Acct Exceptions

Contents of the Item Cost Center Acct Exceptions IDL file are listed in the following table. Sequences 1, 2, 3, and 4 are required.

Seq	Column Header	Source or Value
1	**CORP_ACCT_NO**	**CORP.ACCT_NO** **Mapped to GL Chart**
2	**ITEM_NO**	**ITEM.ITEM_NO** **Mapped to GL Chart**
3	**CC_ACCT_NO**	**CC.ACCT_NO** **Mapped to GL Chart**
4	**EXCP_TYPE**	**ITEM_CC_ACCT_EXCP.EXCP_TYPE** **Must be A (Add) or R (Remove)**
5	FQ_ACCT_NO	SUB_ACCT.ACCT_FMT

Location List

Contents of the Location List IDL file are listed in the following table.

Seq	Column Header	Source or Value
1	LOC_ID	LOC.LOC_ID
2	LOC_IDB	LOC.LOC_IDB
3	FACILITY_CODE	FACILITY.FACILITY_CODE
4	NAME	LOC.NAME
5	GLN	LOC.GLN
6	SHIP_TO_IND	LOC.SHIP_TO_IND
7	BILL_TO_IND	LOC.BILL_TO_IND
8	STOCKLESS_IND	LOC.STOCKLESS_IND
9	LOC_TYPE	LOC.LOC_TYPE
10	ACTIVE	LOC.INACT_IND
11	FACILITY_DESC	FACILITY.FACILITY_DESC
12	ADDR1	ADDR.ADDR1
13	ADDR2	ADDR.ADDR2
14	ADDR3	ADDR.ADDR3
15	CITY	ADDR.CITY
16	STATE	ADDR.STATE
17	POST_CODE	ADDR.POST_CODE
18	CNTRY	ADDR.CNTRY_CD
19	PHONE	ADDR.PHONE
20	Inventory_Path_Name	INV_PATH.NAME
21	Inventory_Loc_Seq_No	INV_PATH_LOC.SEQ_NO
22	Inventory_Location_Name	LOC2.NAME
23	Route_No	LOC.ROUTE_NO

Seq	Column Header	Source or Value
24	Route_Name	ROUTE.NAME
25	Corp_Acct_No	CORP.ACCT_NO
26	Corp_Name	CORP.NAME
27	CC_ACCT_NO	
28	CC_ACCT_NAME	

Inventory

Contents of the Inventory IDL file are listed in the following table. Includes all active and pending-inactive items. Sequences 1 and 5 are required.

Seq	Column Header	Source or Value
1	**ITEM_ID**	**ITEM.ITEM_NO** **Mapped to GL Chart and Item Master**
2	VENDOR_ITEM_ISSUE_ID	ITEM_VEND_PKG.CTLG_NO
3	VENDOR_ITEM_ORDER_ID	ITEM_VEND_PKG.CTLG_NO
4	VENDOR_NAME	VEND.NAME
5	**VENDOR_CODE**	**VEND.CODE** **Mapped to Vendor Master**
6	CORP_ID	CORP.ACCT_NO
7	CORP_NAME	CORP.NAME
8	INVENTORY_STATUS	SLOC_ITEM.STAT
9	ITEM_DESCR	ITEM.DESCR
10	ISSUE_UOM	SLOC_ITEM.UM_CD
11	ORDER_UOM	SLOC_ITEM.ORDER_UM_CD
12	LOCATION_NAME	LOC.NAME
13	LOC_ID	LOC.LOC_ID
14	LOC_IDB	LOC. LOC_IDB
15	ON_HAND_INVENTORY_COUNT	SLOC_ITEM.QTY

Seq	Column Header	Source or Value
16	LAST_UPDATE_DATE	SLOC.REC_UPDATE_DATE
17	Bin_Location_Name	

User Defaults

Contents of the User Defaults IDL file are listed in the following table.

Seq	Column Header	Source or Value
1	UserLogin	USR.LOGIN_ID
2	UserName	USR.NAME
3	Email	USR.EMAIL
4	Phone	USR.PHONE
5	CorpAcctNo	CORP.ACCT_NO
6	CorpName	CORP.NAME
7	CCAcctNo	CC.ACCT_NO
8	CCName	CC.NAME
9	LocID	LOC.LOC_ID
10	LocName	LOC.NAME
11	Title	Hardcoded: Analyst
12	FunctionalUserGroup	DGRP_FUNC_SECR.SUBJ_ID

Requisitioner Group

Contents of the Requisitioner Group IDL file are listed in the following table.

Seq	Column Header	Source or Value
1	Requisition_User_Group	CORP.ACCT_NO + ‘ ‘ + CC.ACCT_NO + + CC.NAME + _Requisitioner
2	Corp_Id	CORP.ACCT_NO
3	Corp_Name	CORP.NAME
4	Cost_Center_Id	CC.ACCT_NO
5	Cost_Center_Name	CC.NAME
6	Line_Dollar_Limit	APPROVAL_LVL.LINE_DLR_LMT. If 0, APPROVAL_LVL.REQ_DLR_LMT.
7	Requisition_Dollar_Limit	APPROVAL_LVL.REQ_DLR_LMT. If 0, APPROVAL_LVL.LINE_DLR_LMT.
8	Formulary_Level_1	1 – No approval required regardless of dollar limit values
9	Formulary_Level_2	2 – Approval required and dollar limit values constrained
10	Formulary_Level_2_Approval_Type	1 –Only require the lowest approval level having authority
11	Formulary_Level_3	2 – Approval required and dollar limit values constrained
12	Formulary_Level_3_Approval_Type	1 – Require all available approval levels having authorized approval dollar limits
13	Formulary_Level_3_Override	Y
14	Formulary_Level_4	3 – Approval required regardless of dollar limit values
15	Formulary_Level_4_Approval_Type	1 – Require all available approval levels regardless of dollar limits
16	Formulary_Level_4_Override	Y

Requisition Group Users

Contents of the Requisitioner Group Users IDL file are listed in the following table.

Seq	Column Header	Source or Value
1	Requisition_User_Group	CORP.ACCT_NO + ‘ ‘ + CC.ACCT_NO + ‘ ‘ + CC.NAME +_Requisitioner
2	User_Email	USR.EMAIL
3	User_Name	USR.NAME

Req Approver Group

Contents of the Req Approver Group IDL file are listed in the following table.

Seq	Column Header	Source or Value
1	Approver_User_Group	CORP.ACCT_NO + CC.ACCT_NO + ‘ ‘+ CC.NAME + _Approver_Level_ + APPROVAL_LVL.APPROVAL.LVL - 1
2	Approval_Scope	1 – All Requisitions
3	Is_Purchaser	N
4	Approval_Level	APPROVAL_LVL.APPROVAL_LVL -1
5	Corp_Id	CORP.ACCT_NO
6	Corp_Name	CORP.NAME
7	Cost_Center_Id	CC.ACCT_NO
8	Cost_Center_Name	CC.NAME
9	Line_Dollar_Limit	APPROVAL_LVL.LINE_DLR_LMT
10	Requisition_Dollar_Limit	APPROVAL_LVL.REQ_DLR_LMT
11	Stock_Dollar_Limit	APPROVAL_LVL.STOCK_DLR_LMT
12	Non_Stock_Dollar_Limit	APPROVAL_LVL.NON_STOCK_DLR_LMT
13	Non_Catalog_Dollar_Limit	APPROVAL_LVL.NON_FILE_DLR_LMT
14	Formulary_Level_1	Y
15	Formulary_Level_2	Y
16	Formulary_Level_3	Y
17	Formulary_Level_4	Y

Req Approver Group Users

Contents of the Req Approver Group Users IDL file are listed in the following table.

Seq	Column Header	Source or Value
1	Approver_User_Group	CORP.ACCT_NO + ‘ ‘ + CC.ACCT_NO + ‘ ‘+ CC.NAME + _Approver_Level_ + APPROVAL_LVL.APPROVAL.LVL -1
2	User_Email	USR.EMAIL
3	User_Name	USR.NAME

Purchaser User Group

Contents of the Purchaser Group IDL file are listed in the following table.

Seq	Column Header	Source or Value
1	Approval_Name	CORP.ACCT_NO + All Cost Centers Purchaser
2	Approval_Scope	1 – All Requisitions
3	Is_Purchaser	Y
4	Corp_Id	CORP.ACCT_NO
5	Corp_Name	CORP.NAME
6	Line_Dollar_Limit	-1.00
7	Requisition_Dollar_Limit	-1.00
8	Stock_Dollar_Limit	-1.00
9	Non_Stock_Dollar_Limit	-1.00
10	Non_Catalog_Dollar_Limit	-1.00
11	Formulary_Level_1	Y
12	Formulary_Level_2	Y
13	Formulary_Level_3	Y
14	Formulary_Level_4	Y

Purchaser Group Users

Contents of the Purchaser Group Users IDL file are listed in the following table.

Seq	Column Header	Source or Value
1	Approval_Name	CORP.ACCT_NO + All Cost Centers Purchaser
2	User_Email	USR.EMAIL
3	User_Name	USR.NAME

Requisition History Load

Contents of the Requisition History Load IDL file are listed in the following table. Sequences 7, 9, 11, 14, 15 and 18 are required.

Seq	Column Header	Source or Value
1	REQ_NO	REQ.REQ_NO
2	REQ_TYPE	REQ.REQ_TYPE
3	REQ_Date	REQ.REQ_DATE
4	User_Email	USR.EMAIL
5	User_Login	USR.LOGIN
6	User_Name	USR.NAME
7	**Corp_Id**	**CORP.ACCT** **Mapped to GL Chart**
8	Corp Name	CORP.NAME
9	**CostCenter_Id**	**CC.ACCT_NO** **Mapped to GL Chart**
10	CostCenter_Name	CC.NAME
11	**Delivery_Loc_ID**	**LOC.LOC_ID**
12	Delivery_Loc_Name	LOC.NAME
13	REQ_Line_Number	REQ_ITEM.LINE_NO
14	**Item_Id**	**ITEM.ITEM**
15	**Vendor_Item_Id**	**REQ_ITEM.CTLG_NO**
16	Vendor_Name	VEND.NAME
17	Vendor_Code	VEND.VEND_CODE
18	**Mfr_Item_Id**	**ITEM.CTLG_NO**

Seq	Column Header	Source or Value
19	Mfr_Name	MFR.NAME
20	Mfr_Number	MFR.MFR_NO
21	Item_Descr	ITEM.DESCR
22	REQ_QTY	REQ_ITEM.QTY
23	REQ_UOM	REQ_ITEM.UM_CD
24	REQ_QOE	

Punchout Ship To Accounts

Contents of the PunchOut Ship To Accounts file are listed in the following table. Sequences 1, 3, and 5 are required.

Seq	Column Header	Source or Value
1	**VendorCode**	**VEND.VEND_CODE** **Repeats for each vendor that has customer numbers defined (not empty/NULL) for ship-to locations assigned to a vendor set up for punchout (where VEND.PUNCHOUT_ID=Y)**
2	VendorName	VEND.NAME
3	**DelvToLocID**	**LOC.LOC_ID** **Repeats for each delivery location associated with a ship-to location that has customer numbers defined in the vendor record for a vendor set up for punchout (where VEND.PUNCHOUT_ID=Y)**
4	DelvToLocName	LOC.NAME
5	**CustomerNumber**	**VEND_LOC.CUST_NO**
6	ShipToLocName	LOC.NAME Used for troubleshooting. Not loaded into Meperia Strategic Sourcing.
7	ShipToLocGLN	LOC.GLN

Requisition Template – Template and Users

Contents of the Requisition Template and User IDL file are listed in the following table.

Seq	Column Header	Source or Value
1	REQ_NO	REQ.REQ_NO
2	User_Name	USR.NAME
3	User_Email	USR.EMAIL

Requisition Template – Template and Cost Center

Contents of the Requisition Template and Cost Center IDL file are listed in the following table.

Seq	Column Header	Source or Value
1	REQ_NO	REQ.REQ_NO
2	Corp_Id	
3	Corp_Name	
4	Cost_Center_Id	
5	Cost_Center_Name	

Requisition Template – Template and Item List

Contents of the Requisition Template and Item List IDL file are listed in the following table.

Seq	Column Header	Source or Value
1	REQ_NO	REQ.REQ_NO
2	Req_type	
3	Req_Line_No	
4	Item_Id	
5	Item_Descr	
6	Mfr_Item_Id	
7	Mfr_Name	
8	Mfr_Id	
9	Vendor_Code	
10	Vendor_Name	

Contract Header

Initial Data Load

The Contract Header IDL is used to load contract header data from Meperia Strategic Sourcing into Supply Chain Management as part of Contract Enforcement Integration.

The Contract Header IDL is exported from Meperia Strategic Sourcing in HL7 format and processed by the MSS Integrator to add contract headers to Supply Chain Management's Contract Manager application.

Message Structure

The Contract Header IDL message is comprised of the following segments: MSH, MFI, MFE, ZCC, ITM, VND, and PKG.

Required sequences are listed in bold.

Message Sample

MSH|^~&|MSS||||20161122061524||MFN^M18^MFN_M18|20161122061524450|P|2.9

MFI|CTR||UPD|||NE
MFE|MAD|20161122061524450|||EI|20161122055915|admin@wfh.meperia.com
ZCC|MSS_161122055821001828^1759|LOCAL PRICE

AGREEMENT|2|20161122|20171122|Administrator|Administrator|||||NON-
GPO||||1001^WFH- ST. JOSEPH - update

ITM|||||||||||||||||||||||||||||||||||| VND|001|V00025|3M HEALTHCARE||||||||||
PKG||||||||||

MSH|^~&|MSS||||20161122061524||MFN^M18^MFN_M18|20161122061524450|P|2.9

MFI|CTR||UPD|||NE
MFE|MAD|20161122061524450|||EI|20161116133347|admin@wfh.meperia.com
ZCC|002010^1744|POCONTRACTTEST|2|20161116|20171117|Administrator|Administrator||||

|UNKNOWN||||1001^WFH-ST. JOSEPH - update ITM||||||7622|MFR||||||||||||||||||||||||||||
VND|001|V00025|3M HEALTHCARE|||||||||| PKG||||||||||

MSH|^~&|MSS||||20161122061524||MFN^M18^MFN_M18|20161122061524450|P|2.9

MFI|CTR||UPD|||NE
MFE|MAD|20161122061524450|||EI|20161121144740|admin@wfh.meperia.com
ZCC|002001^1757|CONTRACTINMSCM|2|20161121|20171121|Administrator|Administrator||||

|UNKNOWN||||1001^WFH-ST. JOSEPH - update ITM||||||7622|MFR||||||||||||||||||||||||||||

VND|001|V76934|3M HEALTH INFORMATION SYSTEMS||||||||||

PKG||||||||||

MSH – Message Header Segment

Sequences 1, 2, 7, and 9 through 12 are required.

Seq	HL7 Element Name	Type	Notes
1	**Field Separator**	**ST**	|
2	**Encoding Characters**	**ST**	^~\&
3	**Sending Application**	**HD**	
4	Sending Facility	HD	
5	Receiving Application	HD	
6	Receiving Facility	HD	
7	**Date/Time of Message**	**DTM**	**Current System Date when interface transaction was created YYYYMMDDHHMMSS**
8	Security	ST	
9	**Message Type**	**MSG**	**MFN^M18^MFN_M18**
10	**Message Control ID**	**ST**	**System generated number that uniquely identifies the message. Receiving system sends back in the Message Ack segment (MSA)**
11	**Processing ID**	**PT**	**P (production)**
12	**Version ID**	**VID**	**2.9**

MFI – Master File Identification Segment

Sequences 1, 3, and 6 are required.

Seq	Element Name	Type	Notes
1	**Master File Identifier**	**CWE**	**CTR (contract master file)**
2	Master File Application Identifier	HD	
3	**File-Level Event Code**	**ID**	**UPD (update)**
4	Entered Date/Time	DTM	
5	Effective Date/Time	DTM	
6	**Response Level Code**	**ID**	**For TCP/IP = AL (always) For file output = NE (never)**

MFE – Master File Entry Segment

Sequences 1, 4, and 5 are required.

Seq	Element Name	Type	Notes
1	**Record-Level Event Code**	**ID**	**MAD – Add record to master file**
2	MFN Control ID	ST	Current date/time (same as MFE-06) required if MFI-06 value is anything but NE.
3	Effective Date/Time	DTM	
4	**Primary Key Value – MFE**		**Contract number from ZCC-01**
5	**Primary Key Value Type**	**ID**	**EI**
6	Entered Date/Time	DTM	CONTRACT.REC_CREATE_DATE or REC_UPDATE_DATE
7	Entered By	XCN	MSS

ZCC – Contract Master Outbound Segment

Sequences 1, 4 through 7, and 16 are required.

Seq	Element Name	Type	Notes
1	**Contract Identifier**	**EI**	**CONTRACT_NO^CONTRACT_ID** **If the contract number exists in Supply Chain Management for a different vendor or GPO, the system adds a suffix (_###) to the contract number to make it unique and saves the original contract number in the Supply Chain Management Contract Notes field (Original Contract Number: xyz).**
2	Contract Description	ST	CONTRACT_NAME. Required if it exists.
3	Contract Status	CWE	STAT. Active (2) and Inactive (3) contracts are sent as long as they are in effect.
4	**Effective Date**	**DTM**	**EFFECTIVE_DATE YYYYMMDD**
5	**Expiration Date**	**DTM**	**EXPIRE_DATE YYYYMMDD**
6	**Contract Owner Name**	**ST**	**USR.NAME from CONTRACT.OWNER_USR_ID (Default is strategic user name and ID)**

7	**Contract Originator Name**	**ST**	**USR.NAME from ORIGINATOR_USR_ID (Default is strategic user name and ID)**
8	Contract Type	EI	Not sent.
Seq	**Element Name**	**Type**	**Notes**
9	FOB	ST	Not sent.
10	Price Protection Date	DTM	Not sent.
11	Fixed Price Contract Indicator	CNE	Not sent.
12	GPO Name	ST	GPO_NAME. Sent if it exists. If value is NOGPO, UNKNOWN, or NON-GPO, save the GPO flag unchecked and save the GPO name.
13	Cost Plus/List Less Discount Indicator	CNE	Not sent.
14	Maximum Markup	CP	Not sent.
15	Actual Markup	CP	Not sent.
16	**Corporation Identifier**	**EI**	**CORP.ACCT_NO^CORP.NAME from CONTRACT_CORP.CORP_ID**

ITM – Material Item Segment

Sequence 1 is required. Sent one time to identify the Contract Manufacturer.

Seq	Element Name	Type	Notes
1	**Item Identifier**	**EI**	**Blank**
2	Item Description	ST	Blank
3	Item Status	CWE	Blank
4	Item Type	CWE	Blank
5	Item Category	CWE	Blank
6	Subject to Expiration Indicator	CNE	Blank
7	Manufacturer Identifier	EI	MFR.NO from the VMM
8	Manufacturer Name	ST	MFR.NAME
9	Manufacturer Catalog Number	ST	Blank
10	Manufacturer Labeler Identification Code	CWE	Blank

11	Patient Chargeable Indicator	CNE	Blank
12	Transaction Code	CWE	Blank
13	Transaction amount – unit	CP	Blank
Seq	**Element Name**	**Type**	**Notes**
14	Stocked Item Indicator	CNE	Blank
15	Supply Risk Codes	CWE	Blank
16	Approving Regulatory Agency	XON	Blank
17	Latex Indicator	CNE	Blank
18	Ruling Act	CWE	Blank
19	Item Natural Account Code	CWE	Blank
20	Approved To Buy Quantity	NM	Blank
21	Approved To Buy Price	MO	Blank
22	Taxable Item Indicator	CNE	Blank
23	Freight Charge Indicator	CNE	Blank
24	Item Set Indicator	CNE	Blank
25	Item Set Identifier	EI	Blank
26	Track Department Usage Indicator	CNE	Blank
27	Procedure Code	CNE	Blank
28	Procedure Code Modifier	CNE	Blank
29	Special Handling Code	CWE	Blank
30	Hazardous Indicator	CNE	Blank
31	Sterile Indicator	CNE	Blank
32	Material Data Safety Sheet Number	EI	Blank
33	United Nations Standard Products and Services Code (UNSPSC)	CWE	Blank

VND – Purchasing Vendor Segment

Purchasing vendors that supply the items listed in the ITM segment. Sequences 1, 2, 3, and 6 are required..

Seq	Element Name	Type	Notes
1	**Set ID - VND**	**SI**	**If only one vendor, 1. If multiple vendors, increments by 1 for each VND sent.**
2	**Vendor Identifier**	**EI**	**VEND.VEND_CODE via CONTRACT_CORP.VEND.ID**
3	**Vendor Name**	**ST**	**VEND.VEND_NAME via CONTRACT_CORP**
4	Vendor Catalog Number	EI	Blank
5	Primary Vendor Indicator	CNE	Blank
6	**Corporation Identifier**	**EI**	**Blank**

PKG – Item Packaging Segment

Packaging available for the items listed in the ITM segment. Sequence 1 is required.

Seq	Element Name	Type	Notes
1	**Set ID – PKG**	**SI**	
2	Packaging Units	CWE	Blank
3	Default order Unit of Measure Indicator	CNE	Blank
4	Package Quantity	NM	Blank
5	Price	CP	Blank
6	Future Item Price	CP	Blank
7	Future Item Price Effective Date	DTM	Blank
8	Global Trade Item Number	CWE	Blank
9	Contract Price	CP	Blank

Appendix B Paragon Materials Management IDL Contents

Introduction

Comma-delimited contents of Paragon IDL files are listed in this appendix. Required sequences are listed in bold.

Content Management

Manufacturer Master

Contents of the Manufacturer Master IDL file are listed in the following table. Sequences 1 and 2 are required. Includes all active manufacturers.

Seq	Column Header	Source or Value
1	**Mfr_Name**	**TMM140_MANUF.mfg_ds**
2	**Mfr_Number**	**TMM140_MANUF.mfg_int_id**
3	Mfr_LIC	TMM140_MANUF.mfg_lic_no
4	Mfr_GLN	Blank
5	Mfr_Address1	Blank
6	Mfr_Address2	Blank
7	Mfr_Address3	Blank
8	City	Blank
9	State	Blank
10	ZIP_Code	Blank
11	Country_Code	Blank

Seq	Column Header	Source or Value
12	Country_Name	Blank
13	Contact	Blank
14	Phone	Blank
15	Fax	Blank
16	Email	Blank
17	Active	Y
18	Corp ID	TSM030.org_ext_id
19	Corp Name	TSM030_ORGANIZATION.org_nm

Vendor Master

Contents of the Vendor Master IDL file are listed in the following table. Sequences 1, 3, and 20 are required. Includes all vendors associated with an active item.

Seq	Column Header	Source or Value
1	**Vendor_Code**	**TAP300_VENDOR_MASTER.vnd_ int_id**
2	Conversion_Code	**TAP300_VENDOR_MASTER.vnd_ ext_id**
3	**Vendor_Name**	**TAP300_VENDOR_MASTER.vnd_ sor_nm**
4	Vendor_GLN	blank
5	Submit_Type	TAP300_VENDOR_MASTER.bus_ ind_fg
6	Vendor_Address1	TSM020_ADDRESS.adr_str_1
7	Vendor_Address2	blank
8	Vendor_Address3	blank
9	City	TSM020_ADDRESS.cty_nm
10	State	TSM180_MST_COD_DTL.cod_dtl_ ext_id
11	ZIP_Code	TSM020_ADDRESS.zip_cd
12	Country_Code	Blank
13	Country_Name	Blank
14	Contact	Blank
15	Phone	Blank

Seq	Column Header	Source or Value
16	Fax	Blank
17	Email	Blank
18	Corp ID	TSM030.org_ext_id
19	Corp Name	TSM030_ORGANIZATION.org_nm
20	**Vendor_Status**	**TAP300_VENDOR_MASTER.vnd_ sta_cd** **Valid values: A (Active), I (Inactive) When Hold or Pending, send I.**

Item Master

Contents of the Item Master IDL file are listed in the following table. Sequences 1, 3, 4, 5, 6, 9, 10, 11, 12, 13, 14, and 15 are required. Includes active items for all vendors (not just primary vendor).

Seq	Column Header	Source or Value
1	**Item_Id**	**TMM100_ITEM.itm_ext_id**
2	Vendor_Item_Id	TMM500_ITEM_VENDOR.vnd_cat_ id
3	**Corp_Id**	**TSM030.org_ext_id** **Mapped to GL Chart.**
4	**Corp_Name**	**TSM030_ORGANIZATION.org_nm** **Mapped to GL Chart.**
5	**Vendor_Name**	**TAP300_VENDOR_MASTER.vnd_ sor_nm** **Mapped to Vendor Master**
6	**Vendor_Code**	**TAP300_VENDOR_MASTER.vnd_ int_id** **Mapped to Vendor Master**
7	Vendor_Sequence	TMM500_ITEM_VENDOR.vnd_rnk_no
8	Mfr_item_Id	TMM500_ITEM_VENDOR.mfg_cat_ id
9	**Mfr_Name**	**TMM140_MANUF.mfg_ds** **Mapped to Manufacturer Master**
10	**Mfr_Number**	**TMM140_MANUF.mfg_ext_id** **Mapped to Manufacturer Master**

Seq	Column Header	Source or Value
11	**Item_Descr**	**TMM100_ITEM.itm_ds**
12	**Default_UOM**	**TMM152_PCK_STRING.uom_int_id** **Must be 1-3 characters or numbers or exist in the list of standard UOMs (ANSI X12)**
13	**Item_UOM**	**TMM152_PCK_STRING.uom_int_id** **Must be 1-3 characters or numbers or exist in the list of standard UOMs (ANSI X12)**
14	**Item_QOE**	**TMM152_PCK_STRING.ech_uom_qy** **Must be a number greater than or equal to 1.**
15	**Item_Price**	**TMM152_PCK_STRING.vnd_prc_ at** **Must be a number greater than or equal to 0.** **Descending order corresponding to** **Item_QOE. No dollar signs, commas, or** **special characters.**
16	Active	TMM100_ITEM.row_sta_cd

Purchase Order History

Contents of the Purchase Order History IDL file are listed in the following table. Sequences 1, 2, 5, 7, 8, 14, 15, and 17 are required. Includes POs with status P (partially received), R (received), and O (conversion).

Seq	Column Header	Source or Value
1	**PO_NO**	**TMM300_PO.pch_ord_ext_id** **No spaces or special characters.**
2	**PO_Date**	**TMM300_PO.cre_srt_dte_ts** **Format: mm-dd-yy**
3	Corp_Id	TSM030.org_ext_id
4	Corp_Name	TSM030_ORGANIZATION.org_nm
5	**PO_Line_Number**	**TMM310_PO_ITEM.pch_ord_seq_no** **Must be a number greater than or equal to 1.**
6	Item_Id	TMM100_ITEM.itm_ext_id

Seq	Column Header	Source or Value
7	**Vendor_Item_Id**	**TMM500_ITEM_VENDOR.vnd_cat_id** **No spaces or special characters.**
8	**Vendor_Name**	**TAP300_VENDOR_MASTER.vnd_ sor_nm** **No spaces or special characters.**
9	Vendor_Code	TAP300_VENDOR_MASTER.vnd_ ext_id
10	Mfr_Item_Id	TMM500_ITEM_VENDOR.mfg_cat_ id
11	Mfr_Name	TMM140_MANUF.mfg_ds
12	Mfr_Number	TMM140_MANUF.mfg_int_id
13	Item_Descr	TMM100_ITEM.itm_ds
14	**Purchase_QTY**	**TMM310_PO_ITEM.ord_qy** **Must be a number greater than or equal to 1.**
15	**Purchase_UOM**	**TSM180_MST_COD_DTL.cod_dtl_ext_id** **Must be 1-3 characters or numbers or exist in the list of standard UOMs (ANSI X12)**
16	Purchase_QOE	TMM152_PCK_STRING.ech_uom_ qy
17	**Purchase_Price**	**TMM310_PO_ITEM.ord_prc_at** **Must be a number greater than or equal to 0** **No dollar signs, commas, or special characters.**
18	Cost_Center_Id	TGL950_PRIME_ACCOUNT.pri_acc_ext_id
19	Cost_Center_Name	TGL950_PRIME_ACCOUNT.pri_acc_ds
20	Exp_Acct_Number	TGL910_CHART_OF_ACCOUNTS.sub_acc_ext_id
21	Exp_Acct_Name	TGL910_CHART_OF_ACCOUNTS.acc_ds
22	Req_Number	TMM350_REQUISITION_HDR.ato_ cab_ext_id (also saved to ref_1 fields)
23	Qty_Received_To_Date	TMM320_PO_ITEM_RECEIPT.pch_rcv_qy - sum of
24	Status	TMM310_PO_ITEM.po_itm_sta_cd

Invoice History

Contents of the Invoice History IDL file are listed in the following table.

Seq	Column Header	Len	Source or Value
1	**INV_NO**	**20**	**TAP600_INVOICE_HDR.ivo_ext_id**
2	**INV_Date**	**8**	**TAP600_INVOICE_HDR.ivo_dt**
3	**Corp_Id**	**18**	**TSM030.org_ext_id**
4	**Corp_Name**	**20**	**TSM030_ORGANIZATION.org_nm**
5	**LINE_NO**	**20**	**For PO invoices, TMM310_PO_ITEM.pch_ord_seq_no** **For check requests, assign line numbers to match the order of the invoice in the Paragon AP invoice detail.**
6	Item_Id	20	TMM100_ITEM.itm_ext_id Required for PO invoices.
7	Vendor_Item_Id	40	TMM500_ITEM_VENDOR.vnd_cat_id
8	Vendor_Name	40	TAP300_VENDOR_MASTER.vnd_sor_nm Required for PO invoices.
9	Vendor_Code	20	TAP300_VENDOR_MASTER.vnd_int_id Required for PO invoices.
10	Vendor_Address	35	TSM020_ADDRESS.adr_str_1
11	City	35	TSM020_ADDRESS.cty_nm
12	State	20	TSM180_MST_COD_DTL.cod_dtl_ext_id
13	ZIP_Code	10	TSM020_ADDRESS.zip_cd
14	Item_Descr	40	Required for PO invoices, TMM100_ITEM.itm_ds For check requests, use GL expense account description from the invoice in the Paragon AP invoice line detail.
15	Item_Invoice_Qty	12	TAP650_INVOICE_DTL.ivo_qy Approved quantity for PO invoices. 1 for check requests.

Seq	Column Header	Len	Source or Value
16	Item_Invoice_UOM	20	TAP650_INVOICE_DTL.cod_dtl_ext_id Required for PO invoices.
17	Item_Invoice_QOE	20	TMM152_PCK_STRING.ech_uom_qy Required for PO invoices.
18	**Invoice_Item_Price**	**40**	**TAP650_INVOICE_DTL.ivo_prc_at** **Format negative amt as –x.xxxx**
19	Invoice_Discount_Amount	40	TAP600_INVOICE_HDR.dct_at Format negative amt as –x.xxxx
20	Invoice_Other_Fees		blank
21	Invoice_Line_Discount_ Amount		blank
22	Invoice_Line_Other_Fees		blank
23	PO_Number	40	TAP650_INVOICE_DTL.pch_ord_int_id Output TMM300_PO.pch_ord_ext_id Required for PO invoices.
24	PO_Line_NO	15	TAP650_INVOICE_DTL.pch_ord_dtl_int_id Output TMM310_PO_ITEM. pch_ord_seq_no Required for PO invoices.
25	PO_Price	40	TAP650_INVOICE_DTL.pch_ord_int_id Output TMM310_PO_ITEM.ord_prc_at Required for PO invoices. Format negative amt as –x.xxxx
26	**Cost_Center_Id**	**20**	**For PO invoices, TAP650_INVOICE_DTL.pch_ord_int_id TMM310_PO_ITEM.acc_int_id** **For check requests, TAP650_INVOICE_DTL.acc_int_id** **Output TGL910_CHART_OF_ACCOUNTS. pri_acc_ext_id**

Seq	Column Header	Le n	Source or Value
27	Cost_Center_Name	40	For PO invoices, TAP650_INVOICE_DTL.pch_ord_int_id TMM310_PO_ITEM.acc_int_id For check requests, TAP650_INVOICE_DTL.acc_int_id Output TGL950_PRIME_ACCOUNT.pri_acc_ds if it exists. Otherwise, TGL910_CHART_OF_ACCOUNTS.pri_acc_ds.
28	Freight_Amount	40	TAP600_INVOICE_HDR.frt_at Format negative amt as –x.xxxx
29	Header_ID	10	TAP600_INVOICE_HDR.ivo_int_id
30	Line_ID	10	TAP650_INVOICE_DTL.ivo_dtl_int_id
31	Invoice_Type	1	C = Check Request, P = PO Invoice Determined PO invoice if TAP650_INVOICE_DTL.pch_ord_int_id is not NULL.
32	Rec_Update_Date	20	TAP600_INVOICE_HDR.lst_mod_ts
33	Invoice_Status	1	TAP600_INVOICE_HDR.ivo_sta_cd O = Open Output as 1 C = Completed Output as 2
34	Expense_Acct_Code	20	TGL910_CHART_OF_ACCOUNTS.sub_acc_ext_id
35	Expense_Acct_Name	40	TGL910_CHART_OF_ACCOUNTS.acc_ds

GL-Account

Contents of the GL Account IDL file are listed in the following table. Sequences 1, 2, 3, 5, 6, 7, 8, 9, and 10 are required.

Seq	Column Header	Source or Value
1	CORP_ACCT_NO	TSM030.org_ext_id
2	CORP_ACCT_NAME	TSM030_ORGANIZATION.org_nm

3	**CORP_ACCT_FMT**	**A= TSM030.org_ext_id, B=TGL900_CORPORATION.pri_ acc_len_no, C=TGL900_CORPORATION.sub_ acc_len_no**
Seq	**Column Header**	**Source or Value**
		Format: Ax-By-Cz (where x,y,z are integers) – ex. A2-B5-C5 **If formatted AxByCz (ex. A2B5C5), adds hyphens (-)**
4	CORP_GLN	Blank
5	**CC_ACCT_NO**	**TGL950_PRIME_ACCOUNT.pri_ acc_ext_id**
6	**CC_ACCT_NAME**	**TGL950_PRIME_ACCOUNT.pri_ acc_ds**
7	**CC_ACCT_TYPE**	**TGL950_PRIME_ACCOUNT.cod_ dtl_ext_id** **If numeric, validates against account_types**
8	**EXP_ACCT_NO**	**TGL925_SUB_ACCOUNT.sub_acc_ext_id**
9	**EXP_ACCT_NAME**	**TGL925_SUB_ACCOUNT.sub_acc_ds**
10	**EXP_ACCT_TYPE**	**TGL925_SUB_ACCOUNT.cod_dtl_ext_id** **Valid values:** **A (Asset)** **S** **(Equity)** **L** **(Liability)** **I** **(Income)** **P** **(Income)** **R** **(Income)** **E (Expense)** **N (Expense)** **D (Deductions from Revenue)** **Unknown** **If numeric, validates against account_types**
11	SUB_ACCT_NO	Blank
12	SUB_ACCT_NAME	Blank
13	FQ_ACCT_NO	TGL910_CHART_OF_ACCOUNTS.acc_ext_id

Contract Master

Contents of the Contract Master IDL file are listed in the following table. Sequences 1, 3, 4, 8, 12, 14, 15, 18, 19, and 20 are required. Includes only active contracts.

Seq	Column Header	Source or Value
1	**Contract_Number**	**TMM200_CONTRACT_MST.ctt_ext_id**
2	Contract_Name	TMM200_CONTRACT_MST.ctt_nm
3	**Contract_Start**	**TMM200_CONTRACT_MST.ctt_ frm** **YYYY-MM-DD HH:MM:SS.000**
4	**Contract_End**	**TMM200_CONTRACT_MST.ctt_ too_ts** **YYYY-MM-DD HH:MM:SS.000**
5	Contract_GPO_Name	Blank
6	Contract_Status	TMM200_CONTRACT_MST.row_ sta_cd
7	Price_Mark_Up	Blank
8	**Corp_Id**	**TSM030.org_ext_id** **Mapped to GL Chart**
9	Corp_Name	TSM030_ORGANIZATION.org_nm
10	Local_Item_Id	TMM100_ITEM.itm_ext_id
11	Vendor_Item_Id	TMM500_ITEM_VENDOR.vnd_cat_ id
12	**Vendor_Name**	**TAP300_VENDOR_MASTER. vnd_sor_nm** **Mapped to Vendor Master**
13	Vendor_Code	TAP300_VENDOR_MASTER. vnd_ext_id
14	**Mfr_Item_Id**	**TMM500_ITEM_VENDOR.mfg_cat_id**
15	**Mfr_Name**	**TMM140_ MANUF.mfg_ds** **Mapped to Manufacturer Master**
16	Mfr_Number	TMM140_ MANUF.mfg_int_id
17	Item_Descr	TMM100_ITEM.itm_ds
18	**Item_UOM**	**TSM180_MST_COD_DTL.cod_dtl_ext_id** **Must be 1-3 characters or numbers or exist in the list of standard UOMs (ANSI X12)**

Seq	Column Header	Source or Value
19	**Item_QOE**	**TMM152_PCK_STRING.ech_uom_qy** **Must be a number greater than or equal to 1.**
20	**Contract_Price**	**TMM500_ITEM_VENDOR.ctt_prc_at** **Must be a number greater than or equal to 0.** **Descending order corresponding to** **Item_QOE. No dollar signs, commas, or** **special characters.**
21	VendorPrice	TMM500_ITEM_VENDOR.vnd_prc_at
22	ContractCommonNumber	TMM200_CONTRACT_MST.ctt_ com_id
23	Priority	Hardcoded 1
24	Contract_Type	

Requisition Management

UOM

Contents of the UOMs IDL file are listed in the following table. All sequences are required.

Seq	Column Header	Source or Value
1	**UM**	**TSM180.COD_DTL_EXT_ID**
2	**Description**	**TSM180_MST_COD_DTL.cod_dtl_ds**
3	**Active**	**TSM180_MST_COD_DTL.row_sta_cd**

Location

Contents of the Location IDL file are listed in the following table. Sequences 1, 3, 4, 9, and 11 are required.

Seq	Column Header	Source or Value
1	**LOC_ID**	**TMM400_LOCATION.loc_ext_id**
2	LOC_IDB	0
3	**FACILITY_CODE**	**DEFAULT**
4	**NAME**	**TMM400_LOCATION.loc_ds**
5	GLN	Blank
6	SHIP_TO_IND	N
7	BILL_TO_IND	N
8	STOCKLESS_IND	N
9	**LOC_TYPE**	**TMM400_LOCATION.loc_typ** **Output is S for Supply Location or C for Consumable Location (including Par Location).**
10	ACTIVE	TMM400_LOCATION.row_sta_cd Y - Active
11	**FACILITY_DESC**	**DEFAULT**
12	ADDR1	TSM020_ADDRESS.adr_str_1
13	ADDR2	blank

Seq	Column Header	Source or Value
14	ADDR3	blank
15	CITY	TSM020_ADDRESS.cty_nm
16	STATE	TSM020_ADDRESS.ste_cd
17	POST_CODE	TSM020_ADDRESS.zip_cd
18	CNTRY	TSM020_ADDRESS.cty_cd
19	PHONE	TSM030_ORGANIZATION. org_int_id, dbo.fn_format_ent_phone
20	Inventory_Path_Name	Blank
21	Inventory_Loc_Seq_No	Blank
22	Inventory_Location_Name	TMM400_LOCATION.loc_ds
23	Route_No	Blank
24	Route_Name	Blank
25	Corp_Acct_No	TSM030.org_ext_id Required if LOC_TYPE is LOC_TYPE_SUPPLY
26	Corp_Name	TSM030_ORGANIZATION.org_nm Required if LOC_TYPE is LOC_TYPE_SUPPLY
27	CC_Acct_No	TGL950.pri_acc_ext_id
28	CC_Acct_Name	TGL950.pri_acc_ds

Users

Contents of the Users IDL file are listed in the following table.

Seq	Column Header	Source or Value
1	email	TSM040.e_mail_adr
2	FIRST_NAME	TSM040_PERSON_HDR.fst_nm
3	LAST_NAME	TSM040_PERSON_HDR.lst_nm
4	PHONE	Blank

User and Location Profile

Contents of the User and Location Profile IDL file are listed in the following table.

Seq	Column Header	Source or Value
1	FACILITY_CODE	Blank – get from Location Profile
2	LOGIN_ID	
3	FIRST_NAME	TSM040_PERSON_HDR.fst_nm
4	LAST_NAME	TSM040_PERSON_HDR.lst_nm
6	EMAIL	TSM040.e_mail_adr
7	DEFAULT_FACILITY	DEFAULT
8	LOC_ID	TSC115_USER_LOC.loc_int_id Mapped to Location.
9	LOC_NAME	TMM400_LOCATION.loc_ds
10	LOC_TYPE	TMM400_LOCATION.loc_typ
11	Default Indicator	TSC115_USER_LOC.dft_loc_fg (Y/N) No need to set default location for user in Security. If no default is set, sends N.
12	CORP_NO	TSC150_FAC_ACCESS_MST.org_ int_id, TSM030.org_ext_id
13	CORP_NAME	TSM030_ORGANIZATION.org_nm
14	CC_ACCT_NO	TGL950.pri_acc_ext_id
15	CC_ACCT_NAME	TGL950.pri_acc_ds

Location Profile

Contents of the Location Profile IDL file are listed in the following table.

Seq	Column Header	Source or Value
1	LOC_ID	TMM400_LOCATION.loc_ext_id
2	LOC_IDB	0
3	FACILITY_CODE	DEFAULT
4	LOCATION_NAME	TMM400_LOCATION.loc_ds

Seq	Column Header	Source or Value
5	CORP_ACCT_NO	TSM030.org_ext_id
6	CORP_NAME	TSM030_ORGANIZATION.org_nm
7	CC_ACCT_NO	TGL950_PRIME_ACCOUNT.pri_acc_ext_id
8	CC_ACCT_NAME	TGL950_PRIME_ACCOUNT.pri_acc_ds
9	LOC_TYPE	TMM400_LOCATION.loc_typ
10	ACTIVE	TMM410_ITEM_BIN.row_sta_cd
11	FACILITY_DESC	DEFAULT
12	BIN	TMM405_BIN.bin_ext_id
13	BIN_DESCR	TMM405_BIN.bin_ds
14	ITEM_ID	TMM100_ITEM.itm_ext_id
15	ITEM_DESCR	TMM100_ITEM.itm_ds
16	Stock_NonStock_NonCat	TMM100_ITEM.stk_ty_fg
17	Request_UOM	TSM180_MST_COD_DTL.cod_dtl_ ext_id
18	Default_Inventory_ Location_Name	TMM400_LOCATION.loc_ds
19	Default_EXP_CODE_NO	TGL910_CHART_OF_ACCOUNTS.sub_acc_ext_id
20	Default_EXP_CODE_ NAME	TGL910_CHART_OF_ACCOUNTS.acc_ds

Inventory

Contents of the Inventory IDL file are listed in the following table. Sequences 1 and 5 are required.

Seq	Column Header	Source or Value
1	**ITEM_ID**	**TMM100_ITEM.itm_ext_id** **Mapped to Item Master**
2	VENDOR_ITEM_ISSUE_ ID	TMM500_ITEM_VENDOR.vnd_cat_ id
3	VENDOR_ITEM_ORDER_ ID	TMM500_ITEM_VENDOR.vnd_cat_ id
4	VENDOR_NAME	TAP300_VENDOR_MASTER.vnd_ sor_nm Mapped to Vendor Master
5	**VENDOR_CODE**	**TAP300_VENDOR_MASTER.vnd_ ext_id** **Mapped to Vendor Master**
6	CORP_ID	TSM030.org_ext_id Mapped to GL Chart
7	CORP_NAME	TSM030_ORGANIZATION.org_nm
8	INVENTORY_STATUS	TMM100_ITEM.row_sta_cd When A then Active, else Inactive
9	ITEM_DESCR	TMM100_ITEM.itm_ds
10	ISSUE_UOM	TMM100_ITEM.sto_uom
11	ORDER_UOM	TMM100_ITEM.ord_uom
12	LOCATION_NAME	TMM400_LOCATION.loc_ds
13	LOC_ID	
14	LOC_IDB	
15	On_Hand_Inventory_ Count	TMM410_ITEM_BIN.onn_hnd_qy
16	Last_Update_Date	TMM410_ITEM_BIN.lst_onn_hnd_dt
17	Bin_Location_Name	TMM405_BIN.bin_ext_id

Requisition History

Contents of the Requisition History IDL file are listed in the following table. Sequences 1, 3, 7, 8, 9, 10, 13, 15, 16, 22, and 23 are required.

Seq	Column Header	Source or Value
1	**REQ_NO**	**TMM350.ato_cab_ext_id**
2	REQ_TYPE	Blank
3	**REQ_Date**	**TMM350.req_dt** **Format: mm-dd-yyyy**
4	User_Email	Blank
5	User_Login	TMM350.lst_mod_id
6	User_Name	TMM350.lst_mod_id
7	**Corp_Id**	**TSM030.org_ext_id** **Mapped to GL Chart**
8	**Corp Name**	**TSM030.org_nm** **Mapped to GL Chart**
9	**CostCenter_Id**	**TGL950.pri_acc_ext_id** **Mapped to GL Chart**
10	**CostCenter_Name**	**TGL950.pri_acc_ds** **Mapped to GL Chart**
11	Delivery_Loc_ID	TMM400.loc_ext_id
12	Delivery_Loc_Name	TMM400.loc_ds
13	**REQ_Line_Number**	**TMM360.req_ln_no** **Must be a number greater than or equal to 1.**
14	Item_Id	TMM100.itm_ext_id Mapped to Item Master
15	**Vendor_Item_Id**	**TMM500.vnd_cat_id**
16	**Vendor_Name**	**TAP300.vnd_sor_nm** **Mapped to Vendor Master**
17	Vendor_Code	TAP300.vnd_int_id Mapped to Vendor Master

Seq	Column Header	Source or Value
18	Mfr_Item_Id	TMM500.mfg_cat_id
19	Mfr_Name	TMM140.mfg_ds Mapped to Manufacturer Master
20	Mfr_Number	TMM140.mfg_int_id Mapped to Manufacturer Master
21	Item_Descr	TMM100.itm_ds
22	**REQ_QTY**	**TMM360.req_qy** **Must be a number greater than or equal to 1.**
23	**REQ_UOM**	**TSM180_MST_COD_DTL.cod_dtl_ext_id** **Must be 1-3 characters or numbers or exist in the list of standard UOMs (ANSI X12)**
24	REQ_QOE	

Ship To Accounts

Contents of the Ship To Accounts file are listed in the following table. Sequences 1, 3, and 5 are required.

Seq	Column Header	Source or Value
1	**VendorCode**	**VEND.VEND_CODE** **Repeats for each vendor that has customer numbers defined (not empty/NULL) for ship-to locations assigned to a vendor set up for punchout (where VEND.PUNCHOUT_ID=Y)**
2	VendorName	VEND.NAME
3	**DelvToLocID**	**LOC.LOC_ID** **Repeats for each delivery location associated with a ship-to location that has customer numbers defined in the vendor record for a vendor set up for punchout (where VEND.PUNCHOUT_ID=Y)**
4	DelvToLocName	LOC.NAME
5	**CustomerNumber**	**VEND_LOC.CUST_NO**
6	ShipToLocName	LOC.NAME Used for troubleshooting. Not loaded into Meperia Strategic Sourcing.
7	ShipToLocGLN	LOC.GLN

Appendix C Infor IDL Contents

Introduction

Comma-delimited contents of Infor IDL files are listed in this appendix. Required sequences are listed in bold.

Content Management

Manufacturer Master

Contents of the Manufacturer Master IDL file are listed in the following table. Sequences 1, 2, 17, and 20 are required.

Seq	Column Header	Source or Value
1	**Mfr_Name**	**ICMANFCODE.DESCRIPTION**
2	**Mfr_Number**	**ICMANFCODE.MANUF-CODE**
3	Mfr_LIC	Blank
4	Mfr_GLN	Blank
5	Mfr_Address1	Blank
6	Mfr_Address2	Blank
7	Mfr_Address3	Blank
8	City	Blank
9	State	Blank
10	ZIP_Code	Blank
11	Country_Code	Blank
12	Country_Name	Blank

Seq	Column Header	Source or Value
13	Contact	Blank
14	Phone	Blank
15	Fax	Blank
16	Email	Blank
17	**Active**	**Valid value: Y. Only active manufacturers within the Procurement Group sent in sequence are sent in sequence 1. There is no status on the Mfr table, so all Mfrs are sent.**
18	Corp_ID	Blank
19	Corp_Name	Blank
20	**Procurement_Grp**	**PROCUREGRP.PROCURE-GROUP**
21	Mfr_Div	ICMANFCODE.MANUF-DIVISION Can be blank.

Vendor Master

Contents of the Vendor Master IDL file are listed in the following table. Sequences 1, 3, 20, and 21 are required.

Seq	Column Header	Length	Source or Value
1	**Vendor_Id**	**Alpha 9**	**APVENMAST.VENDOR or APVENLOC.VENDOR** **Includes details from the APVENMAST table when there is no Purch From Location, and from the APVENLOC table when the Purch From Location is defined.**
2	Conversion_Code		Blank
3	**Vendor_Name**	**Alpha 30 (lowercase)**	**APVENMAST.VENDOR-VNAME or APVENLOC.VENDOR-VNAME**
4	Vendor_GLN		Blank

Seq	Column Header	Length	Source or Value
5	Submit_Type	Alpha 1	POVENDOR.ISSUE-METH E = EDI F = FAX D = Do Not Print (Phone-in) I = Email P = Paper (Mail) S = Supply Source
6	Vendor_Address1	Alpha 30 (lowercase)	APVENADDR.ADDR1
7	Vendor_Address2		Blank
8	Vendor_Address3		Blank
9	City	Alpha 30 (lowercase)	APVENADDR.CITY-ADDR5 where APVENMAST.LOCATION-CODE = blank
10	State	Alpha 2	APVENADDR.STATE-PROV (or APVENMAST.VDR-STATE)
11	Zip_Code	Alpha 10 (lowercase)	APVENADDR.POSTAL-CODE (or APVENMAST.VDR-POSTAL)
12	Country_Code		Blank
13	Country_Name		Blank
14	Contact	Alpha 30	APVENMAST.VENDOR-CONTCT
15	Phone	Alpha 15	APVENMAST.VEN-PHONE-NUM
16	Fax	Alpha 15	APVENMAST.VEN-FAX-NUM
17	Email	Alpha 60	APVENMAST.VEN-E-MAIL-ADDRESS
18	Corp_ID		Blank
19	Corp_Name		Blank
20	**Vendor_Status**	**Alpha 1**	**APVENMAST.VEN DOR-STATUS** **A=Active, I=Inactive**
21	**Procurement_Grp**		**PROCUREGRP.PROCURE-GROUP**
22	Purch_Fr_Loc	Alpha 4	APVENMAST.PURCH-FR-LOC or APVENLOC.LOCATION-CODE

Item Master

Contents of the Item Master IDL file are listed in the following table. Includes all vendors associated with the item. Sequences 1, 2, 3, 5, 11, 13, 14, 17, and 20 are required.

Seq	Column Header	Length	Source or Value
1	**Item_Id**	**Alpha 32**	**ITEMMAST.ITEM**
2	**Vendor_Item_Id**	**Alpha 32**	**POITEMVEN.VEN-ITEM where DEFAULT_FLG=1**
3	**Corp_Id**	**Numeric 4**	**POCOMPANY.COMPANY (cpg.COMPANY)** **One item is output multiple times: one time for each corporation selected on the Corporation Selection page that is associated with the Procurement Group**
4	Corp_Name	Alpha 30 (lowercase)	POCOMPANY.NAME (cpg.NAME)
5	**Vendor_Id**	**Alpha 9**	**APVENMAST.VENDOR**
6	Vendor_Name	Alpha 30 (lowercase)	APVENMAST.VENDOR-VNAME
7	Mfr_Item_Id	Alpha 15	ITEMMAST.MANUF-NBR
8	Mfr_Code	Alpha 4	ICMANFCODE.MANUF-CODE
9	Mfr_Div	Alpha 4	ITEMMAST.MANUF-DIVISION
10	Mfr_Name	Alpha 30 (lowercase)	ICMANFCODE.DESCRIPTION
11	**Item_Descr**	**Alpha 30 (lowercase)**	**ITEMMAST.DESCRIPTION**
12	Item_Descr2	Alpha 30 (lowercase)	ITEMMAST.DESCRIPTION2 – output if exists
13	**Default_UOM**		**POITEMVEN.VBUY-UOM if it exists. Otherwise, ITEMMAST.ALT-UOM-xx with ITEMMAST.BUY-FL-xx as 1**

Seq	Column Header	Length	Source or Value
14	**Item_UOM**	**Alpha 4**	**ITEMMAST.ALT-UOM** **The item master has 10 ALT-UOM columns per item. One row is sent for each UOM.** **Send all valid UOMs for the item if there is no POITEMVEN.VBUY-UOM for the vendor.** **If POITEMVEN.VBUY-UOM exists for the vendor, only send ITEMMAST.STOCK-UOM.**
15	Item_QOE	Signed 10.5	ITEMMAST.ALT-UOM-CONV
16	Item_Price		Last PO Price for items that have been purchased on a PO. If the item has no last PO price, blank. If the item has no last PO price (blank) and the item has a price in MSS that is not blank, the item price in MSS is not overridden with blank. The MSS price remains unchanged.
17	**Active**	**Alpha 1**	**If ITEMMAST.ACTIVE-STATUS = A then Y if** **Vendor is active. Otherwise, N** **Indicates whether the item is active or inactive. If inactive, no transactions can be entered with the item, but transactions in process can be completed.** **I = Inactive, A = Active**
18	ExpAcctNo	Numeric 6	Default expense code. Default sub account code. Infor stores Account and Sub Account elements as one 10-digit value. If an item price agreement exists, use the account from the price agreement line. Otherwise, if the account is not listed on the requisition header, use the account for the requesting location (first requesting location configured for the item. Otherwise, use the issue account from an Item Location record at the From location. ITEMMAST.ISS-ACCOUNT and ITEMMAST.ISS-SUB-ACCT Otherwise, blank.
19	SubAcctNo	Numeric 4	

20	**Procurement_Grp**	**Alpha 4**	**PROCUREGRP.PROCURE-GROUP**

Seq	Column Header	Length	Source or Value
21	Purch_Fr_Loc	Alpha 4	ITEMSRC.PURCH-FR-LOC
22	Vendor_Sequence	Numeric 1	ITEMSRC.REPLENISH-PR1 – if it exists Blank if no primary vendor.

Purchase Order History

Contents of the Purchase Order History IDL file are listed in the following table. Sequences 1, 2, 3, 5, 6, 8, 13, 14, 15, 17, and 25 are required.

Seq	Column Header	Length	Source or Value
1	**PO_NO**	**Alpha 14 Numeric 4**	**PURCHORDER.PO-NUMBER** **PURCHORDER.PO-RELEASE** **If the PO is a release from a standing or blanket order, the release number is appended to the PO Number separated by a dash. Example: PO number 123 and release number 003 would be sent as 123-003**
2	**PO_Date**	**Numeric 8 (yyyymmdd)**	**PURCHORDER.PO-DATE** **When month and day are 2 digits, output Numeric 8 (mmddyyyy).** **When month or day is a single digit, output Numeric 6 or 7(mdyyyy, mmdyyyy, mddyyyy).**
3	**Corp_Id**	**Numeric 4**	**PURCHORDER.COMPANY**
4	Corp_Name	Alpha 30 (lowercase)	POCOMPANY.R_NAME
5	**PO_Line_Number**	**Numeric 6**	**POLINE.LINE-NBR**
6	**Item_Id**	**Alpha 32**	**POLINE.ITEM**

7	Vendor_Item_Id	Alpha 32	POLINE.VEN-ITEM
8	**Vendor_Name**	**Alpha 30 (lowercase)**	**APVENMAST.VENDOR-VNAME**
9	Vendor_Code	Alpha 9	POLINE.VENDOR
10	Mfr_Item_Id	Alpha 15	POLINE.MANUF-NBR

Seq	Column Header	Length	Source or Value
11	Mfr_Name	Alpha 30 (lowercase)	ICMANFCODE.DESCRIPTION If no mfr exists on the PO, blank.
12	Mfr_Number	Alpha 4	POLINE.MANUF-CODE If no mfr exists on the PO, blank.
13	**Item_Descr**	**Alpha 30 (lowercase)**	**POLINE.DESCRIPTION**
14	**Purchase_Qty**	**Signed 13.4**	**POLINE.QUANTITY** **Order Qty in entered unit of measure.**
15	**Purchase_UOM**	**Alpha 4**	**POLINE.ENT-BUY-UOM**
16	Purchase_QOE	Signed 10.5	POLINE.VPRI-UOM-MULT Quantity of Each for the Purchase UOM.
17	**Purchase_Price**	**Signed 18.5**	**POLINE.ENT-UNIT-CST** **If not entered directly, defaulted on the PO from the Cost Default Routine.**
18	Cost_Center_Id	Alpha 15	MMDIST.ACCT-UNIT
19	Cost_Center_Name	Alpha 30 (lowercase)	GLNAMES.DESCRIPTION
20	Exp_Acct_Number	Alpha 15	MMDIST.ACCOUNT
21	Exp_Acct_Name	Alpha 30 (lowercase)	GLNAMES.DESCRIPTION
22	Req_Number	Alpha 14	POLINESRC.SOURCE-DOC-N
23	Qty_Received_To_Date	Numeric 4	POLINE.REC-QTY
24	Status	Numeric 4	Released - PURCHORDER.RELEASED-FL=Y
25	**Procurement_Grp**	**Alpha 4**	**POCOMPANY.PROCURE-GROUP**

26	Purch_Fr_Loc	Alpha 4	POLINE.PURCH-FR-LOC Purchase From vendor location. Include if the data exists.
27	Mfr_Div	Alpha 4	ICMANFCODE.MANUF-DIVISION

Invoice History

Contents of the Invoice History IDL file are listed in the following table. Sequences 1 through 5, 18, and 26 through 33 are required.

Seq	Column Header	Length	Source or Value
1	**INV_NO**	**22-3**	**APINVOICE.INVOICE^APINVOICE.SUFFIX**
2	**INV_Date**	**14**	**APINVOICE.INVOICE_DTE**
3	**Corp_Id**	**40**	**APINVOICE.COMPANY**
4	**Corp_Name**	**40**	**POCOMPANY.R_NAME**
5	**LINE_NO**	**6**	**MAINVDTL.LINE_NBR**
6	Item_Id	32	MAINVDTL.ITEM Required for PO invoices. Blank for Check Requests.
7	Vendor_Item_Id	20	MAINVDTL.VEN_ITEM Optional for PO invoices. Blank for Check Requests.
8	Vendor_Name	40	APVENMAST.VENDOR-VNAME Required for PO invoices. Blank for Check Requests.
9	Vendor_Code	Alpha 9	MAINVDTL.VENDOR Required for PO invoices. Blank for Check Requests.
10	Vendor_Address	35	APVENADDR.ADDR1 Optional for PO invoices. Blank for Check Requests.

11	City	20	APVENADDR.CITY-ADDR5 Optional for PO invoices. Blank for Check Requests.
12	State	2	APVENADDR.STATE-PROV Optional for PO invoices. Blank for Check Requests.
13	ZIP_Code	15	APVENADDR.POSTAL-CODE Optional for PO invoices. Blank for Check Requests.
Seq	**Column Header**	**Length**	**Source or Value**
14	Item_Descr	30	MAINVDTL.ITEM_DESC Required for PO invoices. For Check Requests, the GL Expense Account Description.
15	Item_Invoice_Qty	13.4	MAINVDTL.MATCHED_QTY or MAINVDTL.ENTERED_QTY Whole number. Approved quantity for PO invoices.**1** for Check Requests.
16	Item_Invoice_ UOM	4	MAINVDTL.VPRI_UOM Required for PO invoices. Blank for Check Requests.
17	Item_Invoice_ QOE	11	Calculated from MAINVDTL.VPRI_UOM_MULT Required for PO invoices. Blank for Check Requests.
18	**Invoice_Item_ Price**	**18.5**	**MAINVDTL.MATCH_UNIT_CST or MAINVDTL.ENT_UNIT_CST** **0.0000, <0.0000, or 0.0000** **Negative amount formatted: -x.xxxx**
19	Invoice_Discount _Amount	19	Blank 0.0000, <0.0000, or 0.0000 Negative amount formatted: -x.xxxx
20	Invoice_Other_ Fees	19	APINVOICE.AOC_ALLOW_AMT when MAAOCDTL.AOC_CODE is not a freight code. 0.0000, <0.0000, or 0.0000 Negative amount formatted: -x.xxxx

21	Invoice_Line_ Discount_Amount	19	Blank 0.0000, <0.0000, or 0.0000 Negative amount formatted: -x.xxxx
22	Invoice_Line_ Other_Fees	19	Blank 0.0000, <0.0000, or 0.0000 Negative amount formatted: -x.xxxx

Seq	Column Header	Length	Source or Value
23	PO_Number PO_Release	18 (14-4)	APINVOICE.PO_NUMBER^MAINVDTL.PO_ RELEASE If the PO is a release from a blanket or standing order, adds the release number to the PO number separated by a dash. Example: PO 123 and release 001 would be sent as 123-001 Required for PO invoices. Blank or Check Requests.
24	PO_Line_ Number	6	POLINE.LINE-NBR Required for PO invoices. Blank for Check Requests.
25	PO_Price	19	POLINE.ENT-UNIT-CST 0.0000, <0.0000, or 0.0000 Negative amount formatted: -x.xxxx Required for PO invoices. Blank for Check Requests.
26	**Cost_Center_Id**	**40**	**MMDIST.ACCT-UNIT**
27	**Cost_Center_ Name**	**40**	**GLNAMES.DESCRIPTION**
28	**Freight_Amoun t**	**19**	**APINVOICE.AOC_ALLOW_AMT when MAAOCDTL.AOC_CODE is a freight code.** **Add-on charge associated with a freight code (BL12.1).** **0.0000, <0.0000, or 0.0000** **Negative amount formatted: -x.xxxx**
29	**Header_ID**	**10**	**APINVOICE.COMPANY + APINVOICE.VENDOR + APINVOICE.INVOICE + APINVOICE.SUFFIX**
30	**Line_ID**	**10**	**APINVOICE.COMPANY+ APINVOICE.VENDOR + APINVOICE.INVOICE+ APINVOICE.SUFFIX+ MAINVDTL.SEQ_NBR**
31	**Invoice_Type**	**1**	**P=PO Invoices, C=Check Request Invoices.** **When the invoice doesn't have a PO associated with the lines, C. Otherwise, P.**
32	**Rec_Update_ Date**	**14**	**MAINVDTL.UPDATE_DATE**

Seq	Column Header	Length	Source or Value
33	**Invoice_Status**	**5**	**APINVOICE.REC_STATUS** **If 1 (Released, Available for Payment, send 1. If 9 (Historical, Paid and Closed), send 2.**
34	Expense_Acct_ Code	40	MMDIST.ACCOUNT
35	Expense_Acct_ Name	40	GLNAMES.DESCRIPTION
36	purch_fr_loc	Alpha 4	APINVOICE.PURCH_FR_LOC

GL Account

Contents of the optional GL Account IDL file are listed in the following table. Sequences 1 through 3, 5 through 10, 13, and 14 are required.

Seq	Column Header	Source or Value
1	**CORP_ACCT_NO**	**GLMASTER.COMPANY**
2	**CORP_NAME**	**COMPANY.R_NAME**
3	**CORP_ACCT_FMT**	**Example: A3-B4-C5 where corporation (A) is 3 digits, cost center (B) is 4 digits, expense code (C) is 5 digits etc. Each element is separated by a dash.** **A = GLMASTER.COMPANY (leading zeroes removed)** **B= GLMASTER.ACCT_UNIT (leading zeroes removed)** **C= GLMASTER.ACCOUNT (leading zeroes removed)** **D= GLMASTER.SUB_ACCOUNT (leading zeroes removed)**
4	CORP_GLN	blank
5	**CC_ACCT_NO**	**GLMASTER.ACCT_UNIT**
6	**CC_ACCT_NAME**	**GLNAMES.DESCRIPTION**
7	**CC_ACCT_TYPE**	**GLNAMES.CHART_SECTION**

8	**EXP_ACCT_NO**	**GLMASTER.ACCOUNT**
9	**EXP_ACCT_NAME**	**GLCHARTDTL.ACCOUNT-DESC**
Seq	**Column Header**	**Source or Value**
10	**EXP_ACCT_TYPE**	**GLNAMES.CHART_SECTION** **1 = Asset** **5 = Expense**
11	SUB_ACCT_NO	GLMASTER.SUB-ACCT Used when there is a D element in the account format.
12	SUB_ACCT_NAME	(GLNAMES.DESCRIPTION) Not used by Infor. Send blank.
13	**FQ_ACCT_NO**	**GLMASTER.COMPANY-** **GLMASTER.ACCT_UNIT-** **GLMASTER.ACCOUNT-** **GLMASTER.SUB_ACCOUNT** **Corp number-cost center number-expense number For example: 100-4655-13245**
14	**Procurement_Grp**	**PROCUREGRP.PROCURE_GROUP**

Contract Master (optional)

Contents of the optional Contract Master IDL file are listed in the following table. Sequences 1, 3, 4, 8, 9, 10, 12, 13, 18, 19, 20, and 26 are required.

Seq	Column Header	Source or Value
1	**Contract_Number**	**POVAGRMTHD.VEN-AGRMT-REF**
2	Contract_Name	POVAGRMTHD.DESCRIPTION
3	**Contract_Start**	**POVAGRMTHD.EFFECTIVE-DT**
4	**Contract_End**	**POVAGRMTHD.EXPIRE-DT**
5	Contract_GPO_Name	POVAGRMTHD.GRP-PURCH-ORG (joined with…)
6	Contract_Status	POVAGRMTHD.STATUS
7	Price_Mark_Up	POVAGRMTLN.CURRENT-PCT
8	**Corp_Id**	**POVAGRMTHD.COM-COMPANY**
9	**Corp_Name**	**POCOMPANY.NAME**
10	**Local_Item_Id**	**POVAGRMTLN.ITEM**

11	Vendor_Item_Id	POVAGRMTLN.VEN-ITEM
12	**Vendor_Name**	**POVEND.NAME**
Seq	**Column Header**	**Source or Value**
13	**Vendor_Code**	**POVAGRMTHD.VENDOR**
14	Mfr_Item_Id	POVAGRMTLN.MANUF-NBR (may be blank)
15	Mfr_Name	ICMANFCODE.DESCRIPTION (may be blank)
16	Mfr_Number	POVAGRMTLN.MANUF-CODE (may be blank)
17	Item_Descr	POVAGRMTLN.DESCRIPTION
18	**Item_UOM**	**POVAGRMTLN.UOM**
19	**Item_QOE**	**POVAGRMTLN.UOM-MULT**
20	**Contract_Price**	**POVAGRMTLN.BASE-COST * CURRENT-PCT** **Uses QTY_ORDERED and LNBRK_QAFLAG to get matching price percentage. Then, based on MARKUP_DISC value, price can be BASE_COST +/- BASE_COST * percentage.**
21	Product_Cost	POVAGRMTLN.BASE-COST
22	Master_Corp_Indicator	Blank
23	Priority	POVAGRMTLN.PRIORITY
24	Contract_Type	Blank
25	Mfr_Div	POVAGRMTLN.MANUF-DIVISION
26	**Procurement_Grp**	**POVAGRMTLN.PROCURE-GROUP**
27	purch_fr_loc	POVAGRMTHD.PURCH-FR-LOC

Requisition Management

UOM

Contents of the UOM IDL file are listed in the following table. All sequences are required.

Seq	Column Header	Length	Source or Value
1	**UM**	**6 0**	**ICVALUOM.VALID-UOM**
2	**DESCRIPTION**	**12**	**ICVALUOM.DESCRIPTION**
3	**ACTIVE**		**Y = Active, N = Inactive** **Always send Y.**

Location

Contents of the Location IDL file are listed in the following table. Sequences 1, 4, 9 10, and 29 are required.

Seq	Column Header	Source or Value
1	**LOC_ID**	**RQLOC.LOC_ID or ICLOCATION.LOCATION-CODE**
2	LOC_IDB	Blank
3	FACILITY_CODE	Valid value = DEFAULT
4	**NAME**	**RQLOC.NAME or ICLOCATION.NAME**
5	GLN	Blank
6	SHIP_TO_IND	Blank
7	BILL_TO_IND	Blank
8	STOCKLESS_IND	RQLOC.STOCKLESS-FL Y, N, or blank
9	**LOC_TYPE**	**If ICLOCATION.LOCATION-TYPE is blank, S (Supply).** **If consumable in RQLOC, C (Consumable).**

Seq	Column Header	Source or Value
10	**ACTIVE**	**RQLOC.ACTIVE-STATUS** **Y or N for RQLOC. Y for ICLOCATION.**
11	FACILITY_DESC	DEFAULT (hard-coded)
12	ADDR1	RQLOC.ADDR1
13	ADDR2	RQLOC.ADDR2
14	ADDR3	RQLOC.ADDR3
15	CITY	RQLOC.CITY-ADDR5
16	STATE	RQLOC.STATE-PROV
17	POST_CODE	RQLOC.POSTAL_CODE
18	CNTRY	RQLOC.COUNTRY_CODE
19	PHONE	Blank
20	Inventory_Path_Name	Blank
21	Inventory_Loc_Seq_No	Blank
22	Inventory_Location_Name	RQLOC.FROM-LOCATION
23	Route_No	Blank
24	Route_Name	Blank
25	Corp_Acct_No	RQLOC.COMPANY or ICLOCATION.COMPANY
26	Corp_Name	COMPANY.R_NAME
27	CC_ACCT_NO	RQLOC.ISS-ACCT-UNIT
28	CC_ACCT_NAME	GLNAMES.DESCRIPTION
29	**Procurement_Grp**	**PROCUREGRP.PROCURE-GROUP**

Inventory

Contents of the Inventory IDL file are listed in the following table. Includes all active and pending-inactive items. Sequences 1, 5, 8, 10, and 13 are required.

Seq	Column Header	Source or Value
1	**ITEM_ID**	**ITEMMAST.ITEM**
2	VENDOR_ITEM_ISSUE_ID	POITEMVEN.VEN-ITEM
3	VENDOR_ITEM_ORDER_ID	POITEMVEN.VEN-ITEM
4	VENDOR_NAME	APVENMAST.VENDOR.NAME (Primary Vendor from Primary Supply Location in IDL)
5	**VENDOR_CODE**	**ITEMSRC.VENDOR^ITEMSRC. PURCH-FR-LOC where ITEMSRC.REPLENISH-PRI = 1** **Compound field that consists of Vendor Code and Purchase From Location code – Vend Code^Purch From Loc Code** **AP10.1 – Vendor** **PO10.2 – Purchase From Location**
6	CORP_ID	POCOMPANY.COMPANY
7	CORP_NAME	POCOMPANY.R_NAME
8	**INVENTORY_STATUS**	**ITEMLOC.ACTIVE-STATUS where A = Active and I = Inactive** **Output can be Active or Inactive**
9	ITEM_DESCR	ITEMMAST.DESCRIPTION
10	**ISSUE_UOM**	**ITEMLOC.UOM**
11	ORDER_UOM	Blank
12	LOCATION_NAME	ICLOCATION.NAME
13	**LOC_ID**	**ITEMLOC.LOCATION**
14	LOC_IDB	
15	ON_HAND_INVENTORY_COUNT	ITEMLOC.SOH-QTY
16	LAST_UPDATE_DATE	ITEMLOC.LAST-UPD-DT
17	Bin_Location_Name	ITEMLOC.PREFER-BIN

User Defaults WORK IN PROCESS

Contents of the User Defaults IDL file are listed in the following table. Sequences 1, 2, 4, 11, and 12 are required.

Includes active Buyers, Requisitioners, and Approvers who belong to the Procurement Group selected in the IDL extract utility.

If a user exists as more than one user type (for example, buyer and approver) and both have the same email address OR if the email address is blank but the user name is the same, output each element for the first user accessed by the query. Only one element is output in each field with the exception of Functional User Group.

Seq	Column Header	Source or Value
1	**User Login**	
2	**UserName**	**REQUESTER.NAME** **BUYER.NAME** **RQAPPCODE.NAME** **(first and last name)**
3	Email	REQUESTER.EMAIL-ADDRESS BUYER.EMAIL-ADDRESS If blank, use first and last name from sequence 2: UserFirstName.UserLastName@unknown.com
4	**Phone**	**REQUESTER.PHONE** **BUYER.PHONE** **If blank in the database, output 1234567890**
5	CorpAcctNo	REQUESTER.COMPANY BUYCMPLOC.COMPANY (from first buyer code defined for the user in BUYER) RQAPPCODE.COMPANY
6	CorpName	COMPANY.R_NAME
7	CCAcctNo	RQACCTU.ACCT-UNIT (for requesters) RQLOC.ISS-ACCT-UNIT for BUYCMPLOC.REQ-LOCATION (for buyers)

Seq	Column Header	Source or Value
8	CCName	GLNAMES.DESCRIPTION
9	LocID	REQUESTER.RQ-LOCATION – delivery location BUYCMPLOC.REQ-LOCATION
10	LocName	RQLOC.NAME
11	**Title**	**Analyst (hard-coded)**
12	**FunctionalUserGroup**	**For requesters (REQUESTER table), Organization Requisitioner** **For buyers (BUYER table), Organization Purchaser** **For approvers (RQAPPCODE table), Organization Approver** **If a user exists in more than one category (for example, approver and buyer) there would be two functional user groups output.** **For example: Organization Purchaser^ Organization Approver**

Requisitioner Groups WORK IN PROCESS

Contents of the Requisitioner Group IDL file are listed in the following table. All sequences are required.

Includes all active requesting locations associated with a company and accounting unit. (RQLOC.ACTIVE-STATUS=A)

Seq	Column Header	Source or Value
1	**Requisition_User_Group**	**RQLOC.COMPANY_RQLOC.ISS-ACCT-UNIT_GLNAMES.DESCRIPTION_Requisitioner** **(Requisitioner is hard-coded)**
2	**Corp_Id**	**RQLOC.COMPANY**
3	**Corp_Name**	**COMPANY.R_NAME**
4	**Cost_Center_ID**	**RQLOC.ISS-ACCT-UNIT**
5	**Cost_Center_Name**	**GLNAMES.DESCRIPTION**

Seq	Column Header	Source or Value
6	Line_Dollar_Limit	$500 (hard-coded)
7	Requisition_Dollar_Limit	$500 (hard-coded)
8	Formulary_Level_1	1 (No approval required regardless of dollar limit values)
9	Formulary_Level_2	2 (Approval required and dollar limit values constrained)
10	Formulary_Level_2_Approval_ Type	1 (Only require the lowest approval level having auto…)
11	Formulary_Level_3	2 (Approval required and dollar limit values constrained)
12	Formulary_Level_3_Approval_ Type	1 (Require all available approval levels having authorized approval dollar limits)
13	Formulary_Level_3_Override	Y
14	Formulary_Level_4	3 (Approval required regardless of dollar limit values)
15	Formulary_Level_4_Approval_ Type	1 (Require all available approval levels regardless of dollar limits)
16	Formulary_Level_4_Override	Y
17	Route Requisitions Sequentially?	Y

Requisitioner Group Users

Contents of the Requisitioner Group Users IDL file are listed in the following table. All sequences are required.

Includes only active requesters. Requesting Locations in the Requisitioner Group IDL that are not assigned to any users do not generate a Requisitioner Group Users output file.

Seq	Column Header	Source or Value
1	**Requisition_User_Group**	**RQLOC.COMPANY_RQLOC.ISS-ACCT-UNIT_** **GLNAMES.DESCRIPTION_Requisitioner** **(Requisitioner is hard-coded)**
2	**User_Email**	**REQUESTER.EMAIL-ADDRESS**
3	**User_Name**	**RQACCTU.REQUESTER or REQUESTER.NAME** **RQACCTU contains the company and accounting unit a requester can order for**

Requisition History WORK IN PROCESS

Contents of the Requisition History IDL file are listed in the following table.

Seq	Column Header	Source or Value
1	REQ_NO	REQHEADER.REQ-NUMBER
2	REQ_TYPE	Blank
3	REQ_Date	REQHEADER.CREATION-DATE
4	User_Email	REQHEADER.REQUESTER (joined with REQUESTER.EMAIL-ADDRESS)
5	User_Login	REQHEADER.REQUESTER (joined with REQUESTER.EMAIL-ADDRESS)
6	User_Name	REQHEADER.REQUESTOR (joined with REQUESTER.NAME)
7	Corp_Id	REQHEADER.COMPANY
8	Corp Name	COMPANY.R_NAME
9	CostCenter_Id	REQHEADER.ACCT-UNIT
10	CostCenter_Name	GLNAMES.DESCRIPTION

Seq	Column Header	Source or Value
11	Delivery_Loc_ID	RQLOC.NAME (joined with REQHEADER.REQ-LOCATION)
12	Delivery_Loc_Name	RQLOC.NAME
13	REQ_Line_Number	REQLINE.LINE-NBR
14	Item_Id	REQLINE.ITEM
15	Vendor_Item_Id	POITEMVEN.VEN-ITEM
16	Vendor_Name	APVENMAST.VENDOR-VNAME or APVENLOC.VENDOR-VNAME joined with REQLINE.VENDOR
17	Vendor_Code	REQLINE.VENDOR^REQLINE.PURCH-FR-LOC Sometimes blank - output if it exists.
18	Mfr_Item_Id	ITEMMAST.MANUF-NBR
19	Mfr_Name	ICMANFCODE.DESCRIPTION
20	Mfr_Number	ICMANFCODE.MANUF-CODE^ITEMMAST.MANUF-DIVISION
21	Item_Descr	ITEMMAST.DESCRIPTION
22	REQ_QTY	REQLINE.QUANTITY
23	REQ_UOM	REQLINE.ENTERED-UOM
24	REQ_QOE	REQLINE.ENT-UOM-MULT

Requisition Template – Template and Users List

Contents of the Requisition Template and Users List IDL file are listed in the following table. All sequences are required.

Seq	Column Header	Source or Value
1	**REQ_NO**	**PROCTEMPLN.TEMPLATE-REF**
2	**User_Name**	**REQUESTER.NAME** **If they exist, users with access to requesting locations. Otherwise, users with access to cost centers on the template (CCs associated with requesting locations that user can access). Otherwise, users with access to corporations on the template.** **Also include all other users assigned to the template.**
3	**User_Email**	**REQUESTER.EMAIL-ADDRESS**

Requisition Template – Template and Cost Center List

Contents of the Requisition Template and Cost Center List IDL file are listed in the following table. Sequences 1 through 3 are required.

Seq	Column Header	Source or Value
1	**REQ_NO**	**PROCTMPPAR.TEMPLATE-REF**
2	**Corp_Id**	**PROCTMPPAR.COMPANY** **Include only corporations selected for this extract.**
3	**Corp_Name**	**POCOMPANY.NAME** **Include only corporations selected for this extract.**
4	Cost_Center_Id	PROCTEMPLN.ACCT_UNIT
5	Cost_Center_Name	GLNAMES.DESCRIPTION
6	Delivery Location	PROCTMPPAR.REQ_LOCATION

Requisition Template – Template and Item List

Contents of the Requisition Template and Item List IDL file are listed in the following table. Sequences 1, 3 through 5, 9, and 10 are required.

Seq	Column Header	Source or Value
1	**REQ_NO**	**PROCTEMPLN.TEMPLATE-REF**
2	Req_type	Blank
3	**Req_Line_No**	**PROCTEMPLN.LINE-NBR**
4	**Item_Id**	**PROCTEMPLN.ITEM**
5	**Item_Descr**	**ITEMMAST.DESCRIPTION**
6	Mfr_Item_Id	ITEMMAST.MANUF-NBR
7	Mfr_Name	ICMANFCODE.DESCRIPTION
8	Mfr_Id	ICMANFCODE.MANUF-CODE|ITEMMAST.MANUF-DIVISION Code and Division separated by pipe delimiter
9	**Vendor_Code**	**APVENMAST.VENDOR|PURCH_FR_LOC** **Primary Vendor Code and Purchase From Location separated by pipe delimiter**
10	**Vendor_Name**	**APVENMAST.VENDOR-VNAME** **Primary Vendor**
11	UOM	PROCTEMPLN.UOM
12	QTY	PROCTEMPLN.QTY