

Oracle® Hospitality Materials Control

Standard POS Interface



Release 18.1
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The Oracle logo, consisting of a solid red square with the word "ORACLE" in white, uppercase, sans-serif font centered within it.

ORACLE®

Oracle Hospitality Materials Control 20TStandard POS Interface Release 18.1

F36524-01

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Preface

Purpose

This document describes the Hospitality Materials Control Standard POS Interface for third party systems.

Audience

This document is intended for customers using the Hospitality Materials Control Standard POS Interface for third party POS integration.

Customer Support

To contact Oracle Customer Support, access My Oracle Support at the following URL:

<https://support.oracle.com>

When contacting Customer Support, please provide the following:

- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received and any associated log files
- Screenshots of each step you take

Documentation

Oracle Hospitality product documentation is available on the Oracle Help Center at <http://docs.oracle.com/en/industries/hospitality/>

Revision History

Date	Description of Change
October 2020	Initial publication.

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Introduction

The Standard POS Interface provides a link to third party systems. Sales menu items can be imported via flat ASCII files. Revenue can be either imported via flat ASCII file or transmitted using the POS Web Service.

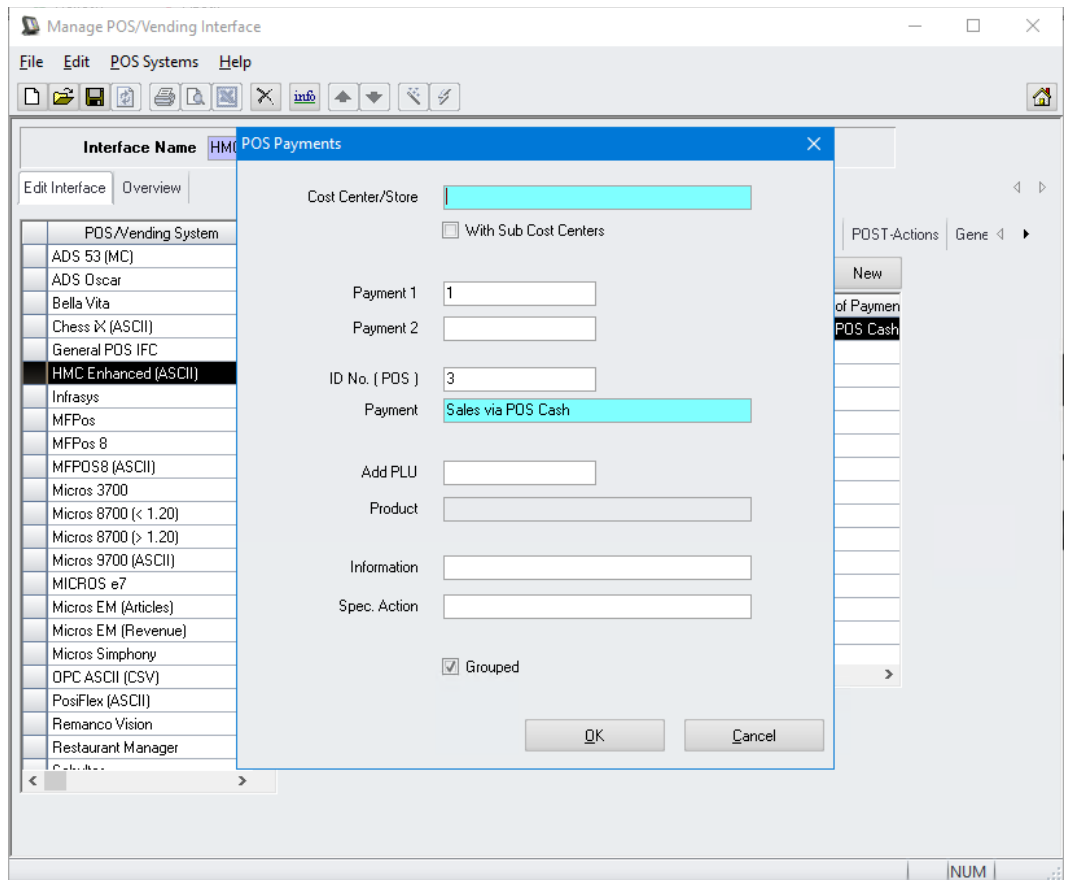
Installing the Interface

1. Log in to Hospitality Materials Control.
2. Click **Production**, click **POS Systems**, and then click **Install POS Interface**.
3. In the **Interface Name** field, enter a name.
4. In the **POS/Vending System** field, select **HMC Standard Interface**.
5. If revenue will be imported via the POS Web Service, then skip the next steps and click **Load** to import the interface definition files.
6. In the **Path (Totals)** field, select the path to the folder where the revenue export files from the POS system can be found.
7. In the **File Mask (Totals)** field, select the file mask for the revenue export files.
8. Select one of the two options in the **Postaction for File** field:
 - **Do nothing** – the revenue file remains in the source folder and will be processed in the next export.
 - **Delete File** - the revenue file is deleted after import processing. A copy of the file is stored at `\%HMC Installation Directory%\Kassen\BAK`.
9. Click **Load** to import the interface definition files.

Revenue Import via POS Web Service

Follow steps 1-5 in the “Installing the Interface” section above and then:

1. In the **POS Sequence** field, enter a number, typically this will be 1.
2. Select **Process revenue via interface table**.
3. Navigate to **Payments**.
4. Click **New** and then enter information into the fields. The image below shows these fields.



5. Click **OK** to save.
6. Navigate to **PRE-Actions** and then click **Read Pre/Post Actions**.
7. Click **Save**.

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Sales Menu Item Import

Menu items will be imported from a flat ASCII file, stored at the defined location.

Data Conventions

Consider the following conventions used by the file creator:

- File is flat ASCII text.
- Field separation with pipe (|), decimal separation with dot (.).
- Thousand separator is not used.
- Items are separated with CR+LF (ASCII 13 and 10).
- It should be possible to recreate the export on the POS system (per day).
- The export files should be transferred to a network location accessible by Materials Control.
- The files will be deleted after successful import (optional, recommended).
- If the files still exist, the new master data file should overwrite existing files.
- The master data files will be imported automatically through the Materials Control scheduler or manually initiated.

File Format Definition

Field descriptions are listed in the table below.

Field Name	Field Length	Data Type*	Decimal	Description	Example
Sales Location	7	INT		Unique number of sales location	7001 for restaurant, 7002 for bar, 7003 for banquet
PLU No.	15	INT		PLU in POS System	102015
Menu Item Name	60	CHAR		Menu item name	mineral water 500ml

Field Name	Field Length	Data Type*	Decimal	Description	Example
Price	12	REAL	2	Standard menu item sales price	5.50
Dummy	1	INT		Dummy field	Default 1
Product/ Family Group Number	6	INT		Family Group Number must be linked to product Group in HMC	

*** Data Type Definitions**

INT	Integer value, numeric string without decimal places.
CHAR	Character field with defined length.
REAL	Numeric field using dot (.) as decimal separator.

Sample records

- 7001|102015|Mineral water 500ml|5.00|1|10
- 7001|102016|Lemonade 500ml|5.00|1|10
- 7001|102017|Orange Juice 500ml|6.00|1|10
- 7001|102018|Apple Juice 500ml|6.00|1|10

Manual Import

Manual import is recommended.

1. Log in to Hospitality Materials Control.
2. Click **Production**, click **POS Systems**, and then click **Import POS Articles**.
3. Click **Read Article Data** to process the master data export file from the previously defined location.
4. Click **Book Buffered Data** to process the records. The application then creates products out of them.
5. Click **Production** and then click **Products**.
6. Use the filter options to review the imported records.
7. Make sure that products are linked to a recipe or stock article.

Product Linking

Products can be linked manually to a recipe or stock article or automatically. If set to link automatically, then each product will be linked to an empty recipe with just a header and no ingredients.

NOTE:

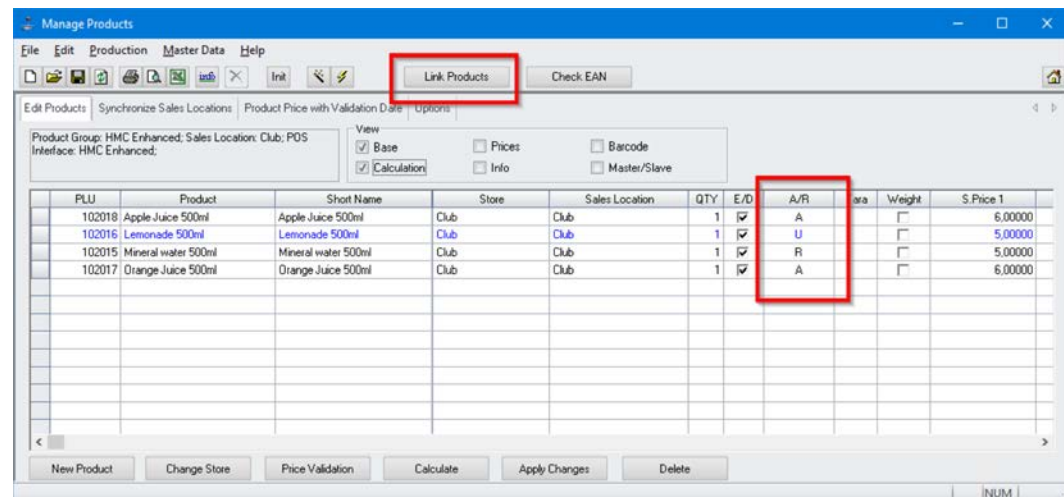
If a product is not linked to either a recipe or stock article, then its revenue will not be booked and will remain in the revenue buffer while processing.

The image below shows the status of linked and unlinked products.

The **A/R** column includes three options related to the stock article or recipe linking:

- **U** - unlinked product displayed in blue.
- **R** – product is linked to a recipe.
- **A** – product is linked to a stock article.

To link a product, select the product and then click **Link Products**.



Automated Import via Materials Control Scheduler

The sales master data import can be automated using the Materials Control Scheduler. The Automation Service feature is not supported.

1. Log in to Hospitality Materials Control.
2. Navigate to **System** and then click **Scheduler**.
3. Click **New Job**.
4. In the **Job Type** field, select **Read and Book Revenues from POS**.
5. Enter the start and end date and time.
6. Click **Read/Book Revenue**.
7. Select the interface and then select **Read & Book Art**.
8. Click **New Job** and then click **OK** to save the job.

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Revenue Import

Depending on the configuration, revenues can be imported either from ASCII files (exported by the POS system) or read from interface tables filled via the POS Web Service.

ASCII File Import Data Conventions

Consider the following conventions used by the file creator:

- File is flat ASCII text.
- Field separation with pipe (|), decimal separation with dot (.).
- Thousand separator is not used.
- Items are separated with CR+LF (ASCII 13 and 10).
- It should be possible to recreate the export on the POS system (per day).
- The export files should be transferred to a network location accessible for Materials Control.
- The files will be deleted after successful import (optional, recommended).
- If the files still exist the new master data file should overwrite existing files.
- The master data files will be imported automatically through the Materials Control scheduler or manually initiated.
- The information can be accumulated per day or detailed per transaction.
- Negative values to be reported as separate records to avoid inconsistencies.
- Materials Control will accumulate the records while importing.

File Format Definition

Field descriptions are listed in the table below.

Field Name	Field Length	Data Type*	Format	Decimal	Description	Example
Date	8	DATE	YY-MM-DD		Revenue date	
Sales Location	7	INT			Unique number of sales location	7001 for restaurant, 7002 for bar, 7003 for banquet

Field Name	Field Length	Data Type*	Format	Decimal	Description	Example
PLU No.	15	INT			PLU in POS System	102015
Quantity	10	REAL			Total sold quantity, negative quantities with prefix -	
VAT	4	REAL		2	Tax rate percent	19.00
Revenue	12	REAL		2	Total gross revenue per PLU, negative values with prefix -	
Discount	12	REAL		2	Total discount amount, negative values with prefix -	
Status	2	INT			Status	1 = normal revenue 5 = Usage, where the usage type can be defined in field status 6 = Issue Request (requires stock article linking)
Type	2	INT			Usage Type (mapped usage groups required)	

*** Data Type Definitions**

INT	Integer value, numeric string without decimal places.
REAL	Numeric field using dot (.) as decimal separator.
DATE	Date field in form of yy-mm-dd.

Sample records

- 20-09-11|7001|102015|10|19|850.00|10.00|1|0
- 20-09-11|7001|102015|-5|19|-425.00|0.00|1|0
- 20-09-11|7001|102015|2|19|170.00|0.00|5|100
- 20-09-11|7001|102016|4|19|340.00|0.00|6|0

Revenue Import and Processing

1. Log in to Hospitality Materials Control.
2. Click **Production**, click **POS Systems**, and then click **Read/Book POS Revenue**.
3. Click **Import**, select the interface, and then click **OK**.
4. Click **Information** to view the details.
5. Click **Book** to process the record.

Automated Import via Materials Control Scheduler

The revenue import can be automated using the Materials Control Scheduler. The Automation Service feature is not supported.

1. Log in to Hospitality Materials Control.
2. Navigate to **System** and then click **Scheduler**.
3. Click **New Job**.
4. In the **Job Type** field, select **Read and Book Revenues from POS**.
5. Enter the start and end date and time.
6. Select the interface and then select one or more of the options:
 - **Read & Book Art** – imports and processes revenue of master data.
 - **Read POS** – imports the revenue records into the buffer table.
 - **Book POS** – processes the revenue records from the buffer table and books the revenue.

POS Web Service

For setup and use of the POS Web Service see *Oracle Hospitality Materials Control Point-of-Sale Web Services API*.