MEF Standard
MEF 81.0.1

Amendment to MEF 81: Product Inventory Management

February 2020

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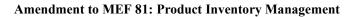
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List of Tables

1   Abstract

This amendment addresses seven known issues with MEF 81.

2   Introduction

This amendment makes seven corrections/clarifications to MEF 81. These are:

- In Table 7 of MEF 81 the Initial Order Completion Date is changed from a range to a date time. Associated text is corrected.
- In Table 7 of MEF 81 the Termination Date is changed from a range to a date time. Associated text is corrected.
- In Table 9 of MEF 81 the Initial Order Completion Date is changed from a range to a date time. Associated text is corrected.
- In Table 9 of MEF 81 the Last Update Date is changed from a range to a date time. Associated text is corrected.
- In Table 9 of MEF 81 the Termination Date is changed from a range to a date time. Associated text is corrected.
- In Table 9 of MEF 81 the Product Order Item points to a reference. The Product Order Item header is missing from the table.
- In Table 9 of MEF 81 delete Pre-Tax Value from the table.

In this amendment, changes are shown as follows:

- Instructions for how to apply the amendment are shown in *blue italics*
- Text to be removed is shown with ~~red strikethrough~~
- Text to be added is shown in red

3   Changes to Section 8.1

Replace Table 7 with the Table shown below:

Attribute	Description	Type	Comments
Buyer	The unique name of the organization that is acting as the customer in this transaction.	String	See Buyer/Seller section 8.3
Seller	The unique name of the organization that is acting as the supplier in this transaction.	String	See Buyer/Seller section 8.3
Seller Response Code	A response identifier, indicating if the Seller was able to successfully accept the Inventory request. The detailed response options are for further study but include: Success and Failure.	String	For further study
Seller Product Identifier	Product Identifier (UNI/OVC/ENNI) as assigned during the ordering process	String	The identifier is established by the Seller and required to create the Product Inventory record. Examples could be a Service Identifier, OVC Identifier, UNI Identifier, or ENNI Identifier.
Status	The state of the Product in accordance with the Product lifecycle shown in the state machine in section 9.	String of one of the following: Pending Cancelled Active Active_Pending_Change Active_Pending_Terminate Suspended Suspended_Pending_Terminate Terminated	The Seller is responsible for managing the Product lifecycle states.

Attribute	Description	Type	Comments
Initial Order Completion Date	The date that the Product Order that created this Product was completed per MEF 57.1.	Date/Time ~~Range~~	This date is the initial install date for the Product. ~~A range of Date/Time is included in the query.~~
Last Updated Date	The date that the last change affecting this Product was completed. This could be set by an order initiated by the Buyer or if the Seller changes the Status of the Product.	Date/Time ~~Range~~	If the Buyer maintains a copy of the Seller's inventory, they can use this attribute to query for all changes since the last time their copy was updated. If the Buyer does not maintain a copy of the Seller's inventory, it is likely that they will use the attribute to query order initiated by the Buyer that have been completed since the specified Date/Time. ~~A range of Date/Time is included in the query.~~
Product Offering ID	The identifier of the Product Offering	String	
Product Specification ID	The identifier of the Product Specification	String	
Buyer Product ID	The identifier of the Buyer Product	String	This is specified and maintained by the Buyer

Table 7 – Product Inventory Query Seller Response

4   Changes to Section 8.3

Replace Table 9 with the Table shown below:

Attribute	Description	Type	Comments
Buyer	The unique name of the organization that is acting as the customer in this transaction.	String	See Buyer/Seller section 8.3
Seller	The unique name of the organization that is acting as the supplier in this transaction.	String	See Buyer/Seller section 8.3
Seller Response Code	A response identifier, indicating if the Seller was able to successfully accept the Inventory request. The detailed response options are for further study but include: Success and Failure.	String	For further study
Product			
Seller Product Identifier	Product Identifier (UNI/OVC/ENNI) as assigned during the ordering process	String	The identifier is established by the Seller and required to create the Product Inventory record. Examples could be a Service Identifier, OVC Identifier, UNI Identifier, or ENNI Identifier.
Product	The product that is associated to the Seller Product Identifier	Reference to a Product	

Attribute	Description	Type	Comments
Status	The state of the Product in accordance with the Product lifecycle shown in the state machine in section 9.	String that is one of the following: Pending Cancelled Active Active_Pending_Change Active_Pending_Terminate Suspended Suspended_Pending_Terminate Terminated	The Seller is responsible for managing the Product lifecycle states.
Buyer Product Identifier	This identifier is optionally provided during the Product ordering and stored for informative purpose in the Seller inventory. It may be a Buyer's UNI Identifier or a Buyer's OVC Identifier	String	For any request to Product update (done through Product order), Seller Product Identifier must be used.
Initial Order Completion Date	The date that the Product Order that created this Product was completed per MEF 57.1.	Date/Time ~~Range~~	This date is the initial install date for the Product.

Attribute	Description	Type	Comments
Last Updated Date	The date that the last change affecting this Product was completed. This could be set by an order initiated by the Buyer or if the Seller changes the Status of the Product.	Date/Time ~~Range~~	If the Buyer maintains a copy of the Seller's inventory, they can use this attribute to update their copy of the Seller's inventory for all changes since the last time their copy was updated. If the Buyer does not maintain a copy of the Seller's inventory, this attribute is used to communicate any order(s) initiated by the Buyer that have been completed since the specified Date/Time. ~~A range of Date/Time is included in the query.~~
Termination Date	The date that the Product Order changing the status to Terminated was completed per MEF 57.1.	Date/Time ~~Range~~	
Site			
Service Site Identifier	The identifier of this Service Site	String	Unique within the Seller
Service Site Reference	Reference to the Service Site	Reference	
Service Site Name	Name of the Service Site	String	
Product Offering			
Product Offering Identifier	A unique identifier of the Product Offering.	String	This is a reference to the associated Product Offering.

Attribute	Description	Type	Comments
Product Specification			
Product Specification Identifier	A unique identifier of the Product Specification.	String	This is a reference to the associated Product Specification. Details of the Product Specification are outside the scope of this document.
Product Relationship			
Relationship Nature	Specifies the nature of relationship to the related product. The nature of required relationships vary for Products of different types. For example, a UNI or ENNI Product may not have any relationships, but an Access E-Line may have two mandatory relationships (related to the UNI on one end and the ENNI on the other). More complex Products such as multipoint IP or Firewall Products may have more complex relationships. As a result, the allowed and mandatory Relationship Nature values are defined in the Product Specification.	String that is one of the relationship types specified in the Product Specification.	

Attribute	Description	Type	Comments
Seller Product Identifier	Product Identifier (UNI/OVC/ENNI) as assigned during the ordering process	String	The identifier is established by the Seller and required to create the Product Inventory record. Examples could be a Service Identifier, OVC Identifier, UNI Identifier, or ENNI Identifier.
Billing Account			
Billing Account Identifier	The identifier of the billing account.	String	A reference to the billing account provided at the time the Product was ordered.
Related Party			
Contact Role	The Role of the Contact	String Buyer Assurance Technical Contact Seller Assurance Technical Contact Seller Commercial Contact Seller SLA Management Contact Buyer Commercial Contact Buyer SLA Management Contact	Roles are described in Table 9.
Contact Name	The person or organization to be contacted.	String	
Contact Phone Number	The telephone number for this contact.	String	
Contact Phone Number Extension	The telephone number extension for this contact.	String	
Contact email Address	The email address for this contact.	String	

Attribute	Description	Type	Comments
Product Order			
Product Order Identifier	Identifies the Product Order. Associated with the Product	String	This identifier is provided by the Seller and communicated to the Buyer during the order process. This ID is unique within the Seller.
Product Order Item	The Product Order Item associated with the Product	Reference to one or more Product Order Items	The Product Order Item of the associated Product order that resulted in the creation of this Product.
Product Order Item			
Product Order Item Identifier	Identifies the Product Order Item. One or more Product Order Items exist within a Product Order.	String	This is a reference to the associated Product Order Item assigned by the Seller and communicated to the Buyer during the order process. This ID is unique within this order.
Product Order Item Term	Duration of the term.	Duration	
Product Order Item Term End Date	The end date for the Product Order Item Term	Date/Time Range	
Agreement	The agreement(s) associated with the Product Order Item.	Reference to an Agreement	
Agreement			
Agreement ID	Unique agreement identifier	String	
Agreement Name	Name of the agreement.	String	
Agreement Path	A URI/URL to where the agreement resides.	String	

Attribute	Description	Type	Comments
Product Price			
Price Type	Indicates if the price is for recurring or non-recurring charges.	String of one of the following: • Recurring • Non-recurring	Set by the Seller
Price Recurring Change Period	Charge period for re-curring charge	One of the following: • HOUR • DAY • WEEK • MONTH • YEAR	
Price	The associated price.	Reference to a Price	Set by the Seller
Price Name	Name of the price.	String	Set by the Seller
Price Description	Description of the price.	String	Set by the Seller
Price			
~~Pre-Tax Value~~	~~The price value~~	~~Float~~	
Price Tax Rate	The tax rate applied.		
Price Tax Included Amount	All taxes included amount (expressed in the given currency).		
Price Duty Free Amount	All taxes excluded amount (expressed in the given currency).		
Price Unit	Currency ISO 4217 [1] norm uses 3 letters to define the currency	String	

Table 9 – Seller Product Identifier Inventory Response