Mplify Standard

Mplify 57.2.1

Amendment to MEF 57.2: Product Order Management Business Requirements and Use Cases

June 2025

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1 List of Contributing Members

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2 Abstract

This amendment to MEF 57.2 [3] updates changes to how a Place is reflected from Mplify 150 [6] and the variables for the Duration attribute from Mplify 110 [5].

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3 Compliance Levels

The key words **"MUST"**, **"MUST NOT"**, **"REQUIRED"**, **"SHALL"**, **"SHALL NOT"**, **"SHOULD"**, **"SHOULD NOT"**, **"RECOMMENDED"**, **"NOT RECOMMENDED"**, **"MAY"**, and **"OPTIONAL"** in this document are to be interpreted as described in BCP 14 (RFC 2119 [1], RFC 8174 [2]) when, and only when, they appear in all capitals, as shown here. All key words must be in bold text.

Items that are **REQUIRED** (contain the words **MUST** or **MUST NOT**) are labeled as **[Rx]** for required. Items that are **RECOMMENDED** (contain the words **SHOULD** or **SHOULD NOT**) are labeled as **[Dx]** for desirable. Items that are **OPTIONAL** (contain the words **MAY** or **OPTIONAL**) are labeled as **[Ox]** for optional**.**

A paragraph preceded by **[CRa]<** specifies a conditional mandatory requirement that **MUST** be followed if the condition(s) following the "<" have been met. For example, "**[CR1]<**[D38]" indicates that Conditional Mandatory Requirement 1 must be followed if Desirable Requirement 38 has been met. A paragraph preceded by **[CDb]<** specifies a Conditional Desirable Requirement that **SHOULD** be followed if the condition(s) following the "<" have been met. A paragraph preceded by **[COc]<** specifies a Conditional Optional Requirement that **MAY** be followed if the condition(s) following the "<" have been met.

4   Introduction

This amendment updates MEF 57.2 [3] with changes to Place and Duration that have been made in Mplify 150 [6] and Mplify 79.1 [4]. The definition of Place has been replaced by Installation Place as defined in Mplify 150 [6]. Installation Place has a mandatory Identifier and with representations that provide values in the event that the Buyer does not have the Installation Place Identifier.

In addition, the variables for the Duration attribute have been streamlined, reducing duplication between Business and Calendar where possible. These updated variables are shown within this amendment.

In this amendment, changes are shown as follows:

- Instructions for how to apply the amendment are shown in *blue italics*
- In content modified by the amendment, text to be removed is shown with ~~red strikethrough~~
- In content modified by the amendment, text to be added is shown in red

5   Changes to Section 8.13

The changes to section 8.13 involve the upgrade to Installation Place.

Replace MEF 57.2 [3] Table 46 with Table A1-2 and replace text as shown.

~~Table 46 shows Place Relationship Attributes.~~

Table A1-2 shows the Place Relationship Attributes.

Attribute	Description	Type	Comments
Role	The role of the place as specified in the Product Specification	String	Set by the Buyer as defined by the Seller in the Product Specification
Product Order Item Location Type	The method used to describe the location at which this Product Order Item is installed or is to be installed if needed per the Product Specification.	List that is one of: • Service Site Identifier • Installation Place Identifier • Installation Place Representation	The Buyer is encouraged to use the Seller's Service Site Identifier if one exists. If one does not exist, then the Buyer may use any other Product Order Item Location Types.
Product Order Item Location	The detailed location at which this Product Order Item is installed or is to be installed if this Product Order Item is to be installed at a particular location.	One of: • Service Site Identifier (see Mplify 150 [6] sec 7.4) • Installation Place Identifier (see Mplify 150 [6]sec 7.1.2) Or one or more of: • Installation Place Fielded	

Attribute	Description	Type	Comments
		Address Representation (see Mplify 150 [6]sec 7.1.1.1.1) • Installation Place Formatted Address Representation (see Mplify 150 [6] sec 7.1.1.1.2) • Installation Place Label Representation (see Mplify 150 [6] sec 7.1.1.1.3) • Installation Place Geographic Point Representation (see Mplify 150 [6]sec 7.1.1.1.4)	
Product Order Item Place Sub Unit List	A list of zero or more sub units included within the boundary of the Installation Place for this Product Order Item.	See Mplify 150 Table 4 for details	
Product Order Item Place Contact	The person to call to get access to this Service Site in case such access is required to complete the evaluation of this Product Order Item.	List of Product Order Item Place Contacts. See Mplify 79.1 [4] for details	

Table A1-2 – Place Relationship Attributes

Delete text as shown.

Note: The Service Site is identified only by the Service Site Identifier. Other Location types may be identified by value or identifier.

Replace R26-R30 with the requirements as shown below.

[A1-R1]   For each Product Order Item that refers to a Product Offering for which a location is required by the Product Specification, the Buyer Create Product Order request **MUST** include all the following attributes for each specified location:

- Role

- Product Order Item Location Type

- Product Order Item Location

[A1-O1]   If a Product Order Item refers to a Product Offering for which a location is required by the Product Specification, the Buyer Create Product Order request **MAY** include the following attribute:

- Product Order Item Place Contact

[A1-R2]   If a Product Order Item refers to a Product Offering for which a location is required by the Product Specification, the Buyer Create Product Order Item request **MUST NOT** include the following attributes if the Installation Place Type is Installation Place or Service Site Identifier:

- Product Order Item Place Sub Unit List

6 Changes to Section 8.21

The changes to section 8.21 involve changes to Duration.

Replace Table 54 from MEF 57.2 with Table A1-3 and replace text as shown.

Table shows the attributes for Duration.

Table A1-3 shows the attributes for Duration.

Attribute	Description	Type
Duration Unit	The unit of the duration.	String one of the following: • SECONDS • MINUTES • CALENDAR_HOURS • BUSINESS_HOURS • CALENDAR_DAYS • BUSINESS_DAYS • MONTHS • YEARS
Duration Value	The value of the duration.	Number

Table A1-3 – Duration Attributes

7   References

[1]   IETF RFC 2119, *Key words for use in RFCs to Indicate Requirement Levels*, by Scott Bradner, March 1997

[2]   IETF RFC 8174, *Ambiguity of Uppercase vs Lowercase in RFC 2119 Key Words*, by B Leiba, May 2017, Copyright © 2017 IETF Trust and the persons identified as the document authors. All rights reserved.

[3]   MEF 57.2, *Product Order Management Business Requirements and Use Cases*, October 2022

[4]   Mplify 79.1, *Product Offering Qualification Business Requirements and Use Cases*, June 2025

[5]   Mplify 110, *Product Offering Availability and Pricing Discovery - Business Requirements and Use Cases,* June 2025

[6]   Mplify 150, *Installation Place and Service Site Management Business Requirements and Use Cases*, June 2025

Appendix A Acknowledgements (Informative)

The following contributors participated in the development of this document and have requested to be included in this list.

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