



Testing Guide

Mplify LSO API Certification Blueprint

April 2026 | Version 2.0

Contents

Introduction	2
Scope	2
LSO API Certification Framework.....	3
LSO API Certification Test Cases and Requirements	4
Address Validation	4
POQ	7
Quote	13
Product Order.....	21
Product Inventory	25
Revision History	26

Introduction

This document specifies the Mplify LSO API Certification test categories, descriptions, requirement IDs, test cases and requirements (TC & R) references, used as part of the Mplify LSO API Certification, based on:

- [MEF 57.2, Product Order Management Business Requirements and Use Cases](#)
- [MEF 79, Address, Service Site, and Product Offering Qualification Management - Requirements and Use Cases](#)
- [MEF 79.0.1, Amendment to MEF 79: Address, Service Site, and Product Offering Qualification Management Requirements and Use Cases](#)
- [MEF 79.0.2, Amendment to MEF 79: Address Validation](#)
- [MEF 80, Quote Management Requirements and Use Cases](#)
- [MEF 81, Product Inventory Management Requirements and Use Cases](#)
- [MEF 92.1, Draft Release 2 LSO Cantata/Sonata Test Requirements](#)

Scope

Mplify's LSO API certification validates the conformance of LSO APIs implemented by Service Providers selling on-demand services. The LSO API Certification focuses on the API Envelopes. Below is the list of API Functions and SDK Releases that are in scope:

API Functions

- Address Validation
- POQ
- Quote
- Product Order
- Product Inventory

SDK Releases

- Dolly
- Ella
- Fergie
- Grace
- Haley

Developer Guides and schemas are available via the SDK Releases. They are accessible via the Mplify GitHub.

SDK Releases and API functions not included in the lists above are out of scope for this document.

LSO API Certification Framework

For each LSO AP function, tables are populated with the requirements, end points, and TCs verified during certification testing.

- Address Validation
- POQ
- Quote
- Product Order
- Product Inventory

LSO API Certification Test Cases and Requirements

The following Test Cases and requirements cover the Dolly, Ella, Fergie, Grace, and Haley releases.

Address Validation

Mplify Address Validation Certification Test Cases and Requirements			
Document/Requirement	Description	End Point	MEF W92.1 Test Case
MEF 79/R2	A Seller MUST be able to provide an Immediate Response to Use Cases 1, 3, 4, 5, 7 and 8 in Table 3.	Post	TC 1, TC 2, TC 3, TC 8, TC 20
MEF 79/R9	The Seller MUST respond with the Seller Response Code indicating whether the response was successful and if not, the reason for the failure.	Post	TC 1, TC 4, TC 5, TC 8, TC 11, TC 20, TC 21, TC 22, TC 23
MEF 79/R10	If the Address Type in the request was FIELDDED_ADDRESS, any and all Seller Verified Addresses returned MUST be Fielded Addresses as specified in section 8.9.2.2	Post	TC 1, TC 5
MEF 79/R11	If the Address Type in the request was FORMATTED_ADDRESS, any and all Seller Verified Addresses returned MUST be Formatted Addresses as specified in section 8.9.3.2.	Post	TC 8, TC 12
MEF 79/R12	If the Seller Response Code indicates success for Use Case 1 (Validate Address), the Seller MUST return one or more Seller Verified Addresses, all of which are considered potential matches to the Buyer Specified Address in the request.	Post	TC 1, TC 8, TC 20, TC 22
MEF 79/R13	If the Seller Response Code indicates success for Use Case 2 (Retrieve Address by ID), the Seller MUST return exactly one Seller Verified Address that matches the Buyer Specified Address in the request.	Post	TC 5, TC 12
MEF 79/R14	If the Seller Response Code does not indicate success, the Seller MUST NOT return any Seller Verified Addresses.	Post	TC 4, TC 11, TC 13, TC 19, TC 21, TC 23

Mplify Address Validation Certification Test Cases and Requirements			
Document/Requirement	Description	End Point	MEF W92.1 Test Case
MEF 79/R15	For each Address returned, the Seller MUST specify the "Best Match" attribute.	Post	TC 1, TC 2, TC 3, TC 5, TC 6, TC 8, TC 9, TC 10, TC 12, TC 15, TC 16, TC 18, TC 20, TC 21, TC 22
MEF 79/R16	The "Best Match" attribute MUST be TRUE for either zero or one of the Addresses returned and MUST be FALSE for all others. Setting the Best Match to true for one Address implies that the Seller is confident that this is a clear match to the Buyer specified Address in the request.	Post	TC 1, TC 5, TC 8, TC 12, TC 18, TC 20, TC 22
MEF 79/R85	A Seller MUST support at least one of Fielded Addresses or Formatted Addresses to specify a location.	Post	TC 1, TC 8
MEF 79/R86	If Fielded Addresses are supported by either a Buyer or a Seller, then all of the fields in Table 31 and Table 32 MUST be supported. Note that for any particular Address, only a subset of these fields may be populated.	Post	TC 1
MEF 79/R87	If Formatted Addresses are supported by either a Buyer or a Seller, then all of the fields in Table 33 MUST be supported. Note that for any particular Address, only a subset of these fields may be populated.	Post	TC 8
MEF 79/D7	When specifying a Fielded Address, the Seller SHOULD specify the Fielded Address Identifier in Table 31.	Post	TC 1, TC 5
MEF 79/R92	When specifying a Fielded Address, the Seller MUST specify the following attributes in Table 31: Street Name, Street Number, City, Postal Code and Country.	Post	TC 1, TC 5
MEF 79/D8	When specifying a Formatted Address, the Seller SHOULD specify the Fielded Address Identifier in Table 33.	Post	TC 12
MEF 79/R98	When specifying a Formatted Address, the Seller MUST specify the following attributes in Table 33: Address Line 1, and Country.	Post	TC 8, TC 12

Mplify Address Validation Certification Test Cases and Requirements			
Document/Requirement	Description	End Point	MEF W92.1 Test Case
MEF 79.0.2/A2-R5	If the Address Type in the request was GEOGRAPHIC_ADDRESS_LABEL, any and all Seller Verified Addresses returned MUST be GEOGRAPHIC_ADDRESS_LABEL as specified in section 8.9.4.2.	Post	TC 20, TC 22
MEF 79.0.2/A2-R6	If the Address Type in the request was GEOGRAPHIC_POINT, any and all Seller Verified Addresses returned MUST be GEOGRAPHIC_POINT as specified in section 8.9.5.2.	Post	TC 12, TC 18, TC 19
MEF 79.0.2/A2-R11	The Buyer Specified Address MUST be identical to the address specified in the Buyer's request.	Post	TC 18
MEF 79.0.2/A2-R20	When specifying a Geographic Address Label, the Seller MUST specify the Geographic Address Label and Administrative Authority attributes in Table 34.	Post	TC 20, TC 22
MEF 79.0.2/A2-D1	When specifying a Geographic Address Label, the Seller SHOULD specify the Geographic Address Seller Identifier in Table 34.	Post	TC 1, TC 2, TC 3, TC 5, TC 6, TC 8, TC 9, TC 10, TC 12, TC 15, TC 16, TC 18, TC 20, TC 21, TC 22
MEF 79/R2	A Seller MUST be able to provide an Immediate Response to Use Cases 1, 3, 4, 5, 7 and 8 in Table 3.	Post	TC 1, TC 2, TC 3, TC 8, TC 20
MEF 79/R9	The Seller MUST respond with the Seller Response Code indicating whether the response was successful and if not, the reason for the failure.	Post	TC 1, TC 4, TC 5, TC 8, TC 11, TC 20, TC 21, TC 22, TC 23

Mplify Address Validation Certification Test Cases and Requirements			
Document/Requirement	Description	End Point	MEF W92.1 Test Case
MEF 79/R9	The Seller MUST respond with the Seller Response Code indicating whether the response was successful and if not, the reason for the failure.	Get by ID	TC 12, TC 13, TC 18, TC 19

POQ

Mplify Create POQ Certification Test Cases and Requirements			
Document/Requirement	Description	End Point	MEF W92.1 Test Case
MEF 79/R40	When providing a Deferred Response to a POQ notification request, the Seller MUST specify the Seller Response Code attribute shown in Table 23.	Post	TC 24, TC 25, TC 26, TC 27, TC 30, TC 31, TC 32, TC 43, TC 44, TC 62, TC 63, TC 64
MEF 79/R41	If the Seller Response Code indicates success, the Seller MUST specify the POQ Identifier attribute in Table 23 in the response. Note that in this case, the Seller is to represent the POQ state as IN_PROGRESS per section 9.1	Post	TC 24, TC 25, TC 26, TC 27, TC 30, TC 31, TC 32, TC 44, TC 62, TC 63, TC 64
MEF 79/R43	When providing an immediate response to a POQ create request, the Seller MUST specify the Seller Response Code attribute shown in Table 24.	Post	TC 33, TC 36, TC 37, TC 38, TC 52, TC 57, TC 65
MEF 79/R44	If the Seller Response Code indicates success, the Seller MUST specify the POQ Identifier attribute in Table 24 in the response.	Post	TC 33, TC 36, TC 37, TC 38, TC 52, TC 57, TC 65
MEF 79/R45	If the Seller Response Code indicates success, the Seller MUST specify the POQ State attribute in Table 24 in the response. For Use Case 6 (Create POQ), this MUST be either READY or INSUFFICIENT_INFORMATION_PROVIDED.	Post	TC 33, TC 36, TC 37, TC 38, TC 52, TC 57, TC 65
MEF 79/R46	If the Seller Response code indicates success and the POQ state indicates "READY", then for each POQ Item in the request, the Seller MUST specify the Product Offering Qualification Items attribute in Table 24 in the response and all of those items must indicate a POQ Item State of READY (See section 8.4.3.1).	Post	TC 33, TC 36, TC 37, TC 38, TC 52, TC 57, TC 65
MEF 79/R47	If the Seller Response code indicates success and the POQ state indicates INSUFFICIENT_INFORMATION_PROVIDED, then for at least one of the POQ Items in the request, the Seller MUST specify the Product Offering Qualification Items attribute in Table 24 in the response that indicates a POQ Item State of INSUFFICIENT_INFORMATION_PROVIDED. In this case, the Seller MUST provide a response for each POQ Item in this POQ.	Post	TC 38, TC 57

Mplify Create POQ Certification Test Cases and Requirements			
Document/Requirement	Description	End Point	MEF W92.1 Test Case
MEF 79/R48	If the Seller Response Code indicates success, the Seller MUST specify the Seller Contact Information attribute in Table 24 in the response.	Post	TC 33, TC 34, TC 35, TC 36, TC 37, TC 38, TC 39, TC 40, TC 41, TC 42, TC 44, TC 45, TC 46, TC 47, TC 48, TC 49, TC 50, TC 52, TC 53, TC 54, TC 55, TC 56, TC 57, TC 58, TC 59, TC 60. TC 61, TC 63, TC 65
MEF 79/R50	Each POQ Item in the Seller's response MUST correspond to precisely one POQ Item in the Buyer's request.	Post	TC 33, TC 36, TC 37, TC 38, TC 52, TC 57, TC 65
MEF 79/R51	The Seller MUST specify the Product Offering Qualification Item Identifier attribute in Table 25. This identifier MUST match precisely one of the Product Offering Qualification Item Identifiers provided by the Buyer in the request.	Post	TC 33, TC 36, TC 37, TC 38, TC 52, TC 57, TC 65
MEF 79/R52	The Seller MUST specify the State attribute in Table 25. For Use Case 6 (Create POQ), this MUST be READY, INSUFFICIENT_INFORMATION_PROVIDED or ABANDONED.	Post	TC 33, TC 36, TC 37, TC 38, TC 52, TC 57, TC 65
MEF 79/R53	If the State Attribute is INSUFFICIENT_INFORMATION_PROVIDED or ABANDONED, the Seller MUST NOT specify the following attributes in Table 25: POQ Confidence Level, Installation Interval Unit, Installation Interval Value, Guaranteed Until, and Alternate Product Proposals.	Post	TC 38
MEF 79/R54	If the State Attribute is INSUFFICIENT_INFORMATION_PROVIDED, the Seller MUST specify the Termination Error attribute in Table 25.	Post	TC 38
MEF 79/R55	If the State Attribute is READY, the Seller MUST specify the POQ Confidence Level from Table 25 in the response.	Post	TC 33, TC 36, TC 37, TC 38, TC 52, TC 57, TC 65
MEF 79/R56	If the State Attribute is READY, and the POQ Confidence Level attribute is GREEN or YELLOW, the Seller MUST specify the Installation Interval Unit, and Installation Interval Value attributes from Table 25 in the response.	Post	TC 33, TC 36, TC 37, TC 38, TC 52, TC 57, TC 65

Mplify Create POQ Certification Test Cases and Requirements			
Document/Requirement	Description	End Point	MEF W92.1 Test Case
MEF 79.0.1/A1-R1	A relationship between the POQ Item and an existing Product MUST use the Product Relationships attribute to detail the relationship.	Post	TC 24, TC 25, TC 26, TC 27, TC 30, TC 31, TC 33, TC 36, TC 37, TC 38, TC 44, TC 52, TC 57, TC 65
MEF 79.0.1/A1-R2	A relationship between the POQ Item and other POQ Items MUST use the POQ Item Relationships attribute to detail the relationship.	Post	TC 24, TC 25, TC 26, TC 27, TC 30, TC 31, TC 33, TC 36, TC 37, TC 38, TC 44, TC 52, TC 57, TC 65
MEF 79.0.1/A1-R3	The list of Related Product Identifiers MUST contain at least one value.	Post	TC 24, TC 25, TC 26, TC 27, TC 30, TC 31, TC 33, TC 36, TC 37, TC 38, TC 44, TC 52, TC 57, TC 65
MEF 79.0.1/A1-R4	A Buyer or Seller specifying a POQ Item Relationship MUST specify all of the attributes in Table A1-1.	Post	TC 24, TC 25, TC 26, TC 27, TC 30, TC 31, TC 33, TC 36, TC 37, TC 38, TC 44, TC 52, TC 57, TC 65
MEF 79.0.1/A1-R5	The list of Related POQ Item Identifiers MUST contain at least one value.	Post	TC 24, TC 25, TC 26, TC 27, TC 30, TC 31, TC 33, TC 36, TC 37, TC 38, TC 44, TC 52, TC 57, TC 65
MEF 79.0.2/A2-R13	If the State Attribute is IN_PROGRESS or ABANDONED, the Seller MUST NOT specify the following attributes in Table 25: POQ Confidence Level, Installation Interval Unit, Installation Interval Value, Guaranteed Until, Termination Error, and Alternate Product Proposals.	Post	TC 24, TC 25, TC 26, TC 27, TC 30, TC 31, TC 33, TC 36, TC 37, TC 38, TC 44, TC 52, TC 57, TC 65

MEF Retrieve POQ List Certification Test Cases and Requirements			
Document/Requirement	Description	End Point	MEF W92.1 Test Case
MEF 79/R60	When responding to a Retrieve POQ List request The Seller MUST specify the Seller Response Code attribute shown in Table 29.	Get List	TC 67, TC 68, TC 69, TC 70
MEF 79/R61	If the Seller Response Code indicates success, the Seller MUST specify at least one POQ Identifier in the List of POQ Identifiers attribute in Table 29.	Get List	TC 67, TC 68, TC 69, TC 70
MEF 79/R62	For each POQ Identifier returned, the Seller MUST specify the POQ State and the Requested Response Date for this POQ.	Get List	TC 67, TC 68, TC 69, TC 70

MEF 79/R63	For each POQ Identifier returned, if the Buyer specified a Project Identifier when the POQ was created, the Seller MUST specify this Project Identifier in the response.	Get List	TC 67, TC 68, TC 69, TC 70
------------	--	----------	----------------------------

Mplify Retrieve POQ by ID Test Cases and Requirements			
Document/Requirement	Description	End Point	MEF W92.1 Test Case
MEF 79/R65	When responding to a Retrieve POQ by Identifier request, the Seller MUST specify the Seller Response Code attribute shown in Table 24.	Get by ID	TC 76, TC 77
MEF 79/R66	If the Seller Response Code indicates success, the Seller MUST specify the POQ Identifier attribute in Table 24 in the response.	Get by ID	TC 76
MEF 79/R67	If the Seller Response Code indicates success, the Seller MUST specify the POQ State attribute in Table 24 in the response.	Get by ID	TC 76
MEF 79/R68	If the Seller Response code indicates success and the POQ state indicates "READY", then for each POQ Item in the request, the Seller MUST specify the Product Offering Qualification Items attribute in Table 24 in the response and all of those items MUST indicate a POQ Item State of READY (See section 8.4.3.1).	Get by ID	TC 76
MEF 79/R69	If the Seller Response code indicates success and the POQ state indicates INSUFFICIENT_INFORMATION_PROVIDED, the Seller MUST provide a response for all POQ Items in the POQ (using the Product Offering Qualification Items attribute in Table 24) and at least one of those POQ Items MUST have a state of INSUFFICIENT_INFORMATION_PROVIDED.	Get by ID	TC 76
MEF 79/R70	If the Seller Response code indicates success and the POQ state indicates IN_PROGRESS, then for each POQ Item in the request, the Seller MUST specify the Product Offering Qualification Items attribute in Table 24 in the response and all of those items must indicate a POQ Item State of READY or IN_PROGRESS (See section 8.4.3.1).	Get by ID	TC 76

Mplify Retrieve POQ by ID Test Cases and Requirements			
Document/Requirement	Description	End Point	MEF W92.1 Test Case
MEF 79/R71	If the Seller Response code indicates success and the POQ state indicates UNABLE_TO_PROVIDE, the Seller MUST specify any of the following attributes in Table 24 in the response: POQ Identifier, POQ State, and Product Offering Qualification Items.	Get by ID	TC 76
MEF 79/R72	If the Seller Response Code indicates success, the Seller MUST specify the Seller Contact Information attribute in Table 24 in the response.	Get by ID	TC 76
MEF 79/R73	If the Seller Response Code does not indicate success, the Seller MUST NOT specify any of the following attributes in Table 24 in the response: POQ Identifier, POQ State, Seller Contact Information, and Product Offering Qualification Items	Get by ID	TC 77
MEF 79/R74	The Seller MUST specify the Product Offering Qualification Item Identifier attribute in Table 25. This number MUST match precisely one of the Product Offering Qualification Item Identifiers provided by the Buyer in the request.	Get by ID	TC 76
MEF 79/R75	The Seller MUST specify the State attribute in Table 25.	Get by ID	TC 76
MEF 79/R76	If the State Attribute is INSUFFICIENT_INFORMATION_PROVIDED, the Seller MUST NOT specify the following attributes in Table 25: POQ Confidence Level, Installation Interval Unit, Installation Interval Value, Guaranteed Until, and Alternate Product Proposals.	Get by ID	TC 76
MEF 79/R77	If the State Attribute is INSUFFICIENT_INFORMATION_PROVIDED, the Seller MUST specify the Termination Error attribute in Table 25.	Get by ID	TC 76
MEF 79/R78	If the State Attribute is READY, the Seller MUST specify the POQ Confidence Level from Table 25 in the response.	Get by ID	TC 76
MEF 79/R79	If the State Attribute is READY, and the POQ Confidence Level attribute is GREEN or YELLOW, the Seller MUST specify the Installation Interval Unit, and Installation Interval Value attributes from Table 25 in the response.	Get by ID	TC 76

Mplify POQ Notifications Certification Test Cases and Requirements			
Document/Requirement	Description	End Point	MEF W92.1 Test Case
MEF 79/D5	A Buyer SHOULD be able to register with the Seller for POQ notifications as described in Use Case 5 in Table 3. Note that the alternative is for the Buyer to poll for the results using Use Case 7 or Use Case 8	Post	TC 78, TC 79, TC 80, TC 82
MEF 79/R3	A Seller MUST be able to provide a response to Use Case 6 (Create POQ) in Table 3. If the Seller is unable to provide an Immediate Response, the Seller MUST be able to provide a Deferred Response including initiating Notify of POQ State Changes to the Buyer (Use case 9).	Post	TC 78, TC 79, TC 80, TC 82
MEF 79/R26	When responding to a POQ notification request, the Seller MUST specify the Seller Response Code attribute shown in Table 19.	Post	TC 78, TC 79, TC 80, TC 82
MEF 79/R59	A Seller MUST only send POQ State Change Notifications for POQs where the Seller has responded to the Buyer's Create POQ request (section 8.4.1) with a Deferred Response (section 8.4.2). In this case, the Seller MUST send a notification to all of the targets specified by the Buyer in their Register for POQ Notifications request (section 8.3) every time there is a change in state of either that POQ or any of the items associated with that POQ.	Post	TC 83, TC 85

Quote

Mplify Create Quote Certification Test Cases and Requirements			
Document/Requirement	Description	End Point	MEF W92.1 Test Case
MEF 80/R3	The Seller Response Code MUST be included in all Seller responses.	Post	See R18
MEF 80/R4	If the Buyer's Create Quote request has the Buyer Requested Quote Level set to BUDGETARY, the Quote Level in the Seller's Quote MUST be BUDGETARY.	Post	See R18
MEF 80/R5	If the Seller's Quote has a Quote Level of BUDGETARY and all Quote Items are in the ANSWERED state, the Quote State MUST be ANSWERED.	Post	See R18
MEF 80/R6	If the Seller's Quote has a Quote Level of BUDGETARY and all Quote Items are not in the ANSWERED state, the Quote State MUST NOT be ANSWERED as shown in Table 39.	Post	See R18
MEF 80/R7	If the Seller's Quote is BUDGETARY and the Quote is in a terminal state, all Quote Items MUST be in a terminal state as shown in Figure 7.	Post	See R18
MEF 80/R8	If the Buyer's Create Quote request has the Buyer Requested Quote Level set to FIRM, the Quote Level in the Seller's Quote MUST be either FIRM - SUBJECT_TO_FEASIBILITY_CHECK or FIRM.	Post	See R18
MEF 80/R18	If the Buyer has specified Immediate Quote Response to be TRUE, then the Seller MUST ignore the Requested Quote Completion Date attribute if it is specified by the Buyer.	Post	TC 86, TC 91, TC 97, TC 101, TC 108, TC 115, TC 122, TC 123, TC 124, TC 139, TC 140, TC 141, TC 146, TC 152, TC 156, TC 157, TC 163, TC 170, TC 177, TC 178, TC 179, TC 194, TC 195, TC 196, TC 197, TC 198, TC 201, TC 202, TC 203, TC 204, TC 205, TC 206, TC 207, TC 208, TC 209, TC 210, TC 211, TC 212, TC 213, TC 214, TC 215, TC 216, TC 217, TC 218, TC 219, TC 220

Mplify Create Quote Certification Test Cases and Requirements			
Document/Requirement	Description	End Point	MEF W92.1 Test Case
MEF 80/R33	When providing a response to a Create Quote request the Seller MUST specify the Seller Response Code attribute shown in Table 13.	Post	See R18
MEF 80/R34	If the Seller Response Code does not indicate success, the Seller MUST NOT specify any of the following attributes in Table 14 in the response: Seller Quote Identifier, Quote State, Seller Contact Information, and Quote Items.	Post	TC 122, TC 177, TC 194, TC 206, TC 210, TC 214
MEF 80/R35	When providing a response to a Create Quote request, the Seller MUST specify the Seller Quote Identifier attribute in Table 14	Post	See R18
MEF 80/R36	The Seller's response MUST echo back all attributes and values set by the Buyer in their Create Quote request.	Post	See R18
MEF 80/R37	The Seller's response MUST specify the Seller Contact Information attribute in Table 14.	Post	See R18
MEF 80/R38	The Seller's response MUST contain each Quote Item included in the Buyer's Create Quote request.	Post	See R18
MEF 80/R39	The Seller's response MUST contain the Quote Request Date as described in Table 14.	Post	See R18
MEF 80/R40	For a Create Quote request with a Buyer Requested Quote Level of FIRM, the Seller's Quote MUST contain the Quote Level which is either FIRM or FIRM_SUBJECT_TO_FEASIBILITY_CHECK.	Post	See R18
MEF 80/R41	The Quote Level MUST be FIRM_SUBJECT_TO_FEASIBILITY_CHECK if any of the Quote Items in the Quote has the Subject to Feasibility Check attribute set to TRUE.	Post	See R18
MEF 80/R42	For a Create Quote request with a Buyer Requested Quote Level of BUDGETARY, the Seller's Quote MUST contain a Quote Level of BUDGETARY.	Post	See R18
MEF 80/R43	The Seller's Quote MUST specify the Seller Contact Information attribute in Table 14.	Post	See R18

Mplify Create Quote Certification Test Cases and Requirements			
Document/Requirement	Description	End Point	MEF W92.1 Test Case
MEF 80/R44	The Seller MUST specify the Quote State attribute for their Quote as described in section 10.	Post	TC 86, TC 91, TC 97, TC 101, TC 108, TC 115, TC 122, TC 123, TC 124, TC 141, TC 146, TC 152, TC 156, TC 163, TC 170, TC 177, TC 178, TC 179, TC 194, TC 195, TC 196, TC 197, TC 198, TC 201, TC 202, TC 203, TC 204, TC 205, TC 206, TC 207, TC 208, TC 209, TC 212, TC 213, TC 215, TC 216, TC 217
MEF 80/R45	Each Quote Item in the Seller's Quote MUST correspond to one and only one Quote Item in the Buyer's Create Quote request.	Post	See R44
MEF 80/R46	The Seller MUST specify the Quote Item State attribute for each Quote Item their Quote as described in section 10.	Post	See R44
MEF 80/R47	For each Quote Item in the Buyer's Create Quote request that contains a Requested Quote Item Installation Interval, the Seller's Quote MUST contain a Quote Item Installation Interval that is \leq the Buyer's Requested Quote Item Installation Interval if the Quote Item State is ORDERABLE or ANSWERED.	Post	See R44
MEF 80/R48	For each Quote Item in the Buyer's Create Quote request that contains a Requested Quote Item Installation Interval if the Seller's Quote contains a Quote Item Installation Interval that is $>$ the Buyer's Requested Quote Item Installation Interval the Quote Item State MUST be ORDERABLE_ALTERNATE.	Post	TC 197
MEF 80/R49	For each Quote Item in the Buyer's Create Quote request that does not contain a Requested Quote Item Installation Interval the Seller's Quote MUST contain a Quote Item Installation Interval if the Quote State is ANSWERED, ORDERABLE, or ORDERABLE_ALTERNATE.	Post	TC 200
MEF 80/R50	If the Seller's Quote is in UNABLE_TO_PROVIDE, REJECTED, ANSWERED, ORDERABLE, ORDERABLE_ALTERNATE, or CANCELLED Quote State, all Quote Items within the Create Quote request MUST be in a terminal state.	Post	TC 198, TC 199, TC 200, TC 201, TC 202

Mplify Create Quote Certification Test Cases and Requirements			
Document/Requirement	Description	End Point	MEF W92.1 Test Case
MEF 80/R51	If the Seller is unable to provide a Quote for a Quote Item that matches the Buyer Requested Quote Level, the Seller MUST set the Quote Item State attribute for that Quote Item to UNABLE_TO_PROVIDE.	Post	TC 122, TC 123, TC 139, TC 140, TC 177, TC 178, TC 194, TC 195, TC 203, TC 204, TC 210, TC 211, TC 214, TC 218
MEF 80/R52	If the Quote Item State of a Quote Item is ABANDONED, the Seller MUST NOT specify the Quote Item Installation Interval attribute as specified in Table 15 for that Quote Item.		TC 122, TC 123, TC 139, TC 140, TC 177, TC 178, TC 194, TC 195, TC 203, TC 204, TC 210, TC 211, TC 214, TC 218
MEF 80/R53	If the Quote state indicates ORDERABLE_ALTERNATE at least one of the Quote Items MUST indicate a Quote Item State of RDERABLE_ALTERNATE.	Post	See R44
MEF 80/R54	If the Seller's Quote moves to the ANSWERED state, the Seller MUST make available the following Quote Item attributes: <ul style="list-style-type: none"> • Quote Item State • Quote Item Price • Quote Item Term • Quote Item Installation Interval 	Post	TC 124, TC 125, TC 126, TC 127, TC 128, TC 129, TC 130, TC 131, TC 132, TC 133, TC 134, TC 135, TC 136, TC 137, TC 138, TC 139, TC 140, TC 215, TC 216, TC 217, TC 218, TC 220
MEF 80/R55	The Seller MUST provide at least one Quote Item Price with the Quote Item Price Type of RECURRING if a Recurring Charge applies for each Quote Item in IN_PROGRESS_DRAFT, ANSWERED, ORDERABLE, or ORDERABLE_ALTERNATE state including the following attributes shown in Table 18: <ul style="list-style-type: none"> • Quote Item Price Name • Quote Item Price Type • Quote Item Price Amount 	Post	See R44
MEF 80/R56	If the Quote Item Price Type is RECURRING for a Quote Item Price, the Seller MUST include the Quote Item Price Recurring Charge Period for the Quote Item Price in their response.	Post	TC 204, TC 205, TC 206
MEF 80/R57	If the Seller's Quote includes a Quote Item Price Type of USAGE_BASED, the Seller's Quote Item Price MUST include the following attributes shown in Table 18 for that Quote Item: <ul style="list-style-type: none"> • Quote Item Price Name 	Post	See R44

Mplify Create Quote Certification Test Cases and Requirements			
Document/Requirement	Description	End Point	MEF W92.1 Test Case
	<ul style="list-style-type: none"> Quote Item Price Type Quote Item Price Unit of Measure Quote Item Price Amount 		
MEF 80/R58	The Seller's Quote MUST include the Quote Item Term.	Post	See R44
MEF 80/R59	The Quote Item Term Duration specified in the Seller's Quote MUST be the closest term duration that the Seller offers to the Buyer's Requested Quote Item Term Duration.	Post	See R44
MEF 80/R60	If the Quote Item Term Duration specified in the Seller's Quote is less than the Buyer's Request Quote Item Term Duration and the Quote moves to the Orderable states, the Quote Item State MUST be ORDERABLE_ALTERNATE.	Post	See R32
MEF 80/R61	If the Seller's Quote includes an End of Term Action of ROLL for a Quote Item's Quote Item Term, then the Seller MUST specify the Roll Interval as shown in Table 17 for that Quote Item.	Post	TC 86, TC 87, TC 91, TC 97, TC 101, TC 102, TC 103, TC 108, TC 109, TC 115, TC 116, TC 124, TC 125, TC 126, TC 129, TC 135, TC 141, TC 142, TC 143, TC 146, TC 152, TC 156, TC 157, TC 158, TC 163, TC 164, TC 170, TC 171, TC 179, TC 180, TC 181, TC 184, TC 190
MEF 80/R62	If the Seller's Quote includes an End of Term Action of AUTO_DISCONNECT or AUTO_RENEW for the Quote Item's Quote Item Term, then the Seller MUST NOT specify the Roll Interval as shown in Table 17 for that Quote Item Term.	Post	See R44
MEF 80/R64	When providing a response to a Create Quote request with an Immediate Quote Response of TRUE, the Seller MUST include their Quote as described in section 6 in the Response.	Post	See R44
MEF 80/R65	When providing a response to a Create Quote request with an Immediate Quote Response of TRUE, the Seller MUST specify the Quote State attribute in Table 14 in the Quote. This MUST be either ANSWERED, ORDERABLE, ORDERABLE_ALTERNATE, or UNABLE_TO_PROVIDE.	Post	See R44

Mplify Create Quote Certification Test Cases and Requirements			
Document/Requirement	Description	End Point	MEF W92.1 Test Case
MEF 80/R66	<p>When providing a response to a Create Quote request with an Immediate Quote Response of TRUE, the Seller MUST specify the following Quote attributes described in Table 14 in the Quote:</p> <ul style="list-style-type: none"> • Quote Completion Date • Quote Completion State • Valid Until Date 	Post	See R51
MEF 80/R67	<p>When providing a response to a Create Quote request with an Immediate Quote Response of TRUE and the Quote State indicates ORDERABLE or ORDERABLE_ALTERNATE, then for each Quote Item in the request, the Seller MUST specify the following Quote Items attributes defined in Table 15 that are set by the Seller in the Quote:</p> <ul style="list-style-type: none"> • Quote Item State • Quote Item Price • Quote Item Term • Quote Item Installation Interval 	Post	See R44
MEF 80/R68	<p>If the Seller's Quote has a Quote State of ORDERABLE_ALTERNATE at least one of the Quote Items within the Quote MUST indicate a Quote Item State of ORDERABLE_ALTERNATE.</p>	Post	TC 115
MEF 80/R69	<p>A Quote Item with a Quote Item State of ORDERABLE_ALTERNATE MUST contain at least one of the following:</p> <ul style="list-style-type: none"> • A Quote Item Term that is > the Buyer's Requested Quote Item Term • A Quote Item Installation Interval that is > the Buyer's Requested Quote Item Installation Interval 	Post	TC 115

Mplify Retrieve Quote List Certifications Test Cases and Requirements			
Document/Requirement	Description	End Point	MEF W92.1 Test Case
MEF 80/R76	<p>The Seller's response to the Buyer's Retrieve Quote List request MUST contain the following attributes from Table 14 for each Quote that matches the filter criteria:</p> <ul style="list-style-type: none"> • Seller Quote Identifier • Buyer Quote Identifier • Quote Request Date • Quote Completion Date • Quote Completion State • Quote State • Quote Level • Expected Quote Completion Date • Project Identifier • Requested Quote Completion Date 	Get List	TC 225, TC 226, TC 227
MEF 80/R77	If the Seller Response Code does not indicate success, the Seller MUST NOT reply with any of the attributes in Table 14.	Get List	TC 225, TC 226, TC 227

Mplify Retrieve Quote by ID Certifications Test Cases and Requirements			
Document/Requirement	Description	End Point	MEF W92.1 Test Case
MEF 80/R79	If the Seller Response Code does not indicate success, the Seller MUST NOT specify any of the attributes in Table 30, Table 31, Table 32, and Table 33.	Get by ID	TC 228, TC 229
MEF 80/R80	If the Seller Response Code indicates success, the Seller's response to a Buyer Retrieve Quote by Quote Identifier request for a Quote with a Buyer Requested Quote Level = FIRM, the Seller MUST specify the attributes as shown in Table 30.	Get by ID	TC 228, TC 229
MEF 80/R81	If the Seller Response Code indicates success, the Seller's response to a Buyer Retrieve Quote by Seller Quote Identifier request with a Buyer Requested Quote Level = BUDGETARY, the Seller MUST specify the attributes as shown in Table 32.	Get by ID	TC 228, TC 229
MEF 80/R82	Each Quote Item in the Seller's response MUST correspond to one and only one Quote Item in the Buyer's Create Quote request	Get by ID	TC 228, TC 229

Mplify Quote Notifications Test Cases and Requirements			
Document/Requirement	Description	End Point	MEF W92.1 Test Case
MEF 80/R86	When responding to a Register for Quote Notification request, the Seller MUST specify the Seller Response Code attribute shown in Table 13.	Post	TC 230, TC 231, TC 232, TC 233, TC 234, TC 235, TC 236
MEF 80/CR4>O20	The Seller MUST be able to send Quote Notifications to Buyers for both Immediate Quote Responses and Deferred Quote Responses.	Post	TC 237, TC 238, TC 240, TC 241, TC 242, TC 243, TC 244, TC 245, TC 246, TC 247, TC 248, TC 249, TC 250, TC 251, TC 252, TC 253, TC 254, TC 255, TC 257
MEF 80/CR5>O20	If the Buyer has registered for QUOTE_STATE_CHANGE notifications, Quote Notifications for Immediate Quote Responses MUST be sent to the Buyer when a Quote has changed from the ORDERABLE_ALTERNATE or ORDERABLE states to one of the end states (DECLINED, EXPIRED, or ACCEPTED).	Post	TC 237, TC 238, TC 240, TC 241, TC 242, TC 243, TC 244, TC 245, TC 246, TC 247, TC 248, TC 249, TC 250, TC 251, TC 252, TC 253, TC 254, TC 255, TC 257
MEF 80/CR8>O20	Quote Notifications MUST include the Attributes shown in Table 27.	Post	TC 237, TC 238, TC 240, TC 241, TC 242, TC 243, TC 244, TC 245, TC 246, TC 247, TC 248, TC 249, TC 250, TC 251, TC 252, TC 253, TC 254, TC 255, TC 257
MEF 80/CR9>O20	The Quote Item Reference Number MUST be included in a QUOTE_ITEM_STATE_CHANGE notification as described in Table 27.	Post	TC 237, TC 238, TC 240, TC 241, TC 242, TC 243, TC 244, TC 245, TC 246, TC 247, TC 248, TC 249, TC 250, TC 251, TC 252, TC 253, TC 254, TC 255, TC 257

Product Order

Mplify Create Product Order Certification Test Cases and Requirements			
Document/Requirement	Description	End Point	MEF W92.1 Test Case
MEF 57.2/R1	An implementation of the Product Order API MUST support Use Cases 1, 1-a, 1-b, 1-c, 3, and 4.	Post	TC 301
MEF 57.2/R5	A Contact MUST include the following attributes defined in Table 38: <ul style="list-style-type: none"> • Contact Name • Contact Phone Number • Contact Email Address 	Post	TC 301
MEF 57.2/R6	The following Contacts MUST be supported by both Buyer and Seller: <ul style="list-style-type: none"> • Order Contact • Implementation Contact • Technical Contact • Fault Contact 	Post	TC 301
MEF 57.2/R16	When providing a response if the Seller Response Code indicates success, the Seller MUST specify the following attributes defined in Table 32 in the response: <ul style="list-style-type: none"> • Product Order Identifier • Product Order State • Seller Contact 	Post	TC 301
MEF 57.2/R17	The Product Order Identifier MUST remain the same value for the life of the Product Order.	Post	TC 301
MEF 57.2/R19	The Seller's response MUST include Product Order attributes defined in Table 32 copied from the Buyer's Create Product Order request as specified in [R14] and [O6].	Post	TC 301
MEF 57.2/R32	The Seller's response to the Buyer's Create Product Order request MUST contain the Product Order Item State as defined in Table 34.	Post	TC 301
MEF 57.2/R33	The Seller's response MUST include all Product Order Item attributes as defined in Table 34 copied from the Buyer's Create Product Order request.	Post	TC 301
MEF 57.2/R34	If the Buyer's Create Product Order request Product Order Item Expedite Indicator is FALSE, the Seller's response MUST NOT have the Product Order Item Expedite Accepted attribute set to TRUE.	Post	TC 301

MEF 57.2/R40	If the Product Order Item State in the Seller's response is IN_PROGRESS, the Product Order Item Expected Completion Date attribute defined in Table 32 MUST be provided.	Post	TC 301
MEF 57.2/R41	If the Product Order Item State in the Seller's response is COMPLETED, the response MUST contain the Product Order Item Completion Date attribute as defined in Table 32.	Post	TC 301
MEF 57.2/R42	If the Product Order Item State in the Seller's response is CANCELLED, the Product Order Item Expected Completion Date attribute MUST NOT be provided.	Post	TC 301
MEF 57.2/R52	If the Product Order Item State in the Seller's response is not COMPLETED, the response MUST NOT contain the Product Order Item Completion Date attribute.	Post	TC 301

Mplify Retrieve Product Order List Certification Test Cases and Requirements

Document/Requirement	Description	End Point	MEF W92.1 Test Case
MEF 57.2/R99	If successful, the Seller's response to the Buyer's Retrieve Product Order List request MUST contain the following if set from Table 32 for each Product Order Identifier that matches the filter criteria: <ul style="list-style-type: none"> • Product Order Identifier • Buyer Product Order Identifier • Product Order Cancellation Date • Product Order State ▪ Project Identifier ▪ Product Order Create Date ▪ Product Order Final State Date 	Get List	TC 302
MEF 57.2/R100	If the Seller Response Code does not indicate success, the Seller MUST only reply with the Response Code and no attributes.	Get List	TC 304
MEF 57.2/R101	If the Seller Response Code indicates success but no matching Product Orders are found, the Seller MUST return an empty list.	Get List	TC 303

Mplify Retrieve Product Order by ID Certification Test Cases and Requirements

Document/Requirement	Description	End Point	MEF W92.1 Test Case
MEF 57.2/R103	The Seller's response MUST comply with the states and attributes detailed in Table 56 and Table 57.	Get by ID	TC 305, TC 306

Mplify Product Order Notification Test Cases and Requirements			
Document/Requirement	Description	End Point	MEF W92.1 Test Case
MEF 57.2/R122	The Seller MUST NOT send Notifications to Buyers for Notification Types for which the Buyer has not registered.	Post	TC 332, TC 333, TC 336, TC 338, TC 339, TC 340, TC 341, TC 342, TC 343, TC 344
MEF 57.2/R123	The Seller MUST send Notifications to Buyers for Notification Types for which the Buyer has registered.	Post	TC 332, TC 333, TC 336, TC 338, TC 339, TC 340, TC 341, TC 342, TC 343, TC 344
MEF 57.2/R124	Notifications MUST include all Attributes shown in Table 58.	Post	TC 332, TC 333, TC 336, TC 338, TC 339, TC 340, TC 341, TC 342, TC 343, TC 344
MEF 57.2/R125	Based in the Seller Object Identifier Type, the Seller MUST provide the Identifier as shown in Table 59.	Post	TC 332, TC 333, TC 336, TC 338, TC 339, TC 340, TC 341, TC 342, TC 343, TC 344

Mplify Create Cancel Product Order Certification Test Cases and Requirements			
Document/Requirement	Description	End Point	MEF W92.1 Test Case
MEF 57.2/R95	If the Seller Response Code indicates success, the Seller MUST echo back all Buyer specified attributes in the Buyer's Cancel Product Order request.	Post	TC 276
MEF 57.2/R96	If the Seller Response Code indicates success, the Seller MUST specify the following attributes defined in Table 37 in the response: <ul style="list-style-type: none"> • Cancel Product Order Identifier • Cancel Product Order State • Cancel Product Order Seller Contact 	Post	TC 276
MEF 57.2/R97	The Cancel Product Order Identifier MUST remain the same value for the life of the Cancel Product Order.	Post	TC 276
MEF 57.2/R98	When providing a Response if the Seller Response Code does not indicate success, the Seller MUST NOT specify the Cancel Product Order Identifier attribute in the response.	Post	TC 276

Mplify Create Cancel Product Order Certification Test Cases and Requirements			
Document/Requirement	Description	End Point	MEF W92.1 Test Case
MEF 57.2/R95	If the Seller Response Code indicates success, the Seller MUST echo back all Buyer specified attributes in the Buyer's Cancel Product Order request.	Post	TC 276
MEF 57.2/R96	If the Seller Response Code indicates success, the Seller MUST specify the following attributes defined in Table 37 in the response: <ul style="list-style-type: none"> • Cancel Product Order Identifier • Cancel Product Order State • Cancel Product Order Seller Contact 	Post	TC 276
MEF 57.2/R97	The Cancel Product Order Identifier MUST remain the same value for the life of the Cancel Product Order.	Post	TC 276
MEF 57.2/R98	When providing a Response if the Seller Response Code does not indicate success, the Seller MUST NOT specify the Cancel Product Order Identifier attribute in the response.	Post	TC 276

Product Inventory

Mplify Retrieve Product Inventory by ID Certification Test Cases and Requirements			
Document/Requirement	Description	End Point	MEF W92.1 Test Case
MEF 81/R8	The Seller MUST return a response to the Buyer Inventory Query with a list of the Products and associated information shown in Table 7 that match the Buyer's filter criteria.	Get List	TC 371, TC 372
MEF 81/R2	The Buyer MUST be able to query any Product for which they have the ProductID.	Get by ID	TC 373, TC 374
MEF 81/R6	The Seller MUST support Use Case 2.	Get by ID	TC 373, TC 374
MEF 81/R10	The Seller MUST reply to the Buyer's Product Identifier query with the Service Attributes shown in Table 9.	Get by ID	TC 373, TC 374
MEF 81/R11	The Seller MUST provide contact information as shown in Table 9.	Get by ID	TC 373, TC 374

Revision History

Revision History	Date	Revision
Version 1.0	February 26, 2026	Mplify LSO Certification Blueprint Version 1.0
Version 2.0	April 2, 2026	Mplify LSO Certification Blueprint Version 2.0



Testing Guide: Mplify LSO Certification Blueprint v2.0

© Mplify Alliance 2026. Any reproduction of this document, or any portion thereof, shall contain the following statement: "Reproduced with permission of Mplify Alliance." No user of this document is authorized to modify any of the information contained herein.