



Multi-access Edge Computing (MEC); API Conformance Test Specification; Part 1: Test Requirements and Implementation Conformance Statement (ICS)

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Reference

RGS/MEC-DEC32-1v321ApiTest

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Foreword

This Group Specification (GS) has been produced by ETSI Industry Specification Group (ISG) Multi-access Edge Computing (MEC).

The present document is part 1 of a multi-part deliverable covering Conformance Test Specification for MEC APIs as identified below:

- Part 1:** "Test Requirements and Implementation Conformance Statement (ICS)";
- Part 2: "Test Purposes (TP)";
- Part 3: "Abstract Test Suite (ATS)".

Modal verbs terminology

In the present document "shall", "shall not", "should", "should not", "may", "need not", "will", "will not", "can" and "cannot" are to be interpreted as described in clause 3.2 of the [ETSI Drafting Rules](#) (Verbal forms for the expression of provisions).

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Introduction

The development of standardized conformance test specifications is considered as a validation activity and is an integral part of the ETSI strategy for ensuring interoperability. The MEC Conformance Testing methodology consists of:

- Selection of Implementations Under Test (IUT).
- Identification of reference points.
- Development of test specifications, which includes:
 - Development of "Implementation Conformance Statements" (ICS).
 - Development of "Test Suite Structure and Test Purposes" (TSS&TP).
 - Development of "Abstract Test Suite" (ATS).

The present document focuses on ICS development.

1 Scope

Based on the testing methodology guidelines and framework specified in ETSI GR MEC-DEC 025 [i.1], the present document specifies part 1 of a multi-part deliverable test specification. Part 1 (the present document) provides the Test requirements and Implementation Conformance Statement (ICS) for: MEC system, host and platform management as specified in ETSI GS MEC 010-1 [3]; Application Package Management and Application Lifecycle Management as specified in ETSI GS MEC 010-2 [4]; MEC Application Enablement as specified in ETSI GS MEC 011 [5]; and the MEC service APIs. The MEC service APIs in scope of the present document are specified in:

- ETSI GS MEC 012 [6];
- ETSI GS MEC 013 [7];
- ETSI GS MEC 014 [8];
- ETSI GS MEC 015 [9];
- ETSI GS MEC 016 [10];
- ETSI GS MEC 021 [11];
- ETSI GS MEC 028 [12];
- ETSI GS MEC 029 [13];
- ETSI GS MEC 030 [14];
- ETSI GS MEC 033 [15]; and
- ETSI GS MEC 040 [16]

2 References

2.1 Normative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

Referenced documents which are not found to be publicly available in the expected location might be found at <https://docbox.etsi.org/Reference>.

NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long term validity.

The following referenced documents are necessary for the application of the present document.

- [1] Void.
- [2] [ETSI GS MEC 002 \(V2.2.1\) \(01-2022\)](#): "Multi-access Edge Computing (MEC); Phase 2: Use Cases and Requirements".
- [3] [ETSI GS MEC 010-1 \(V1.1.1\) \(10-2017\)](#): "Mobile Edge Computing (MEC); Mobile Edge Management; Part 1: System, host and platform management".
- [4] [ETSI GS MEC 010-2 \(V3.1.1\) \(06-2023\)](#): "Multi-access Edge Computing (MEC); MEC Management; Part 2: Application lifecycle, rules and requirements management".
- [5] [ETSI GS MEC 011 \(V3.1.1\) \(09-2022\)](#): "Multi-access Edge Computing (MEC); Edge Platform Application Enablement".

- [6] [ETSI GS MEC 012 \(V2.2.1\) \(02-2022\)](#): "Multi-access Edge Computing (MEC); Radio Network Information API".
- [7] [ETSI GS MEC 013 \(V3.1.1\) \(01-2023\)](#): "Multi-access Edge Computing (MEC); Location API".
- [8] [ETSI GS MEC 014 \(V2.1.1\) \(03-2021\)](#): "Multi-access Edge Computing (MEC); UE Identity API".
- [9] [ETSI GS MEC 015 \(V2.2.1\) \(12-2022\)](#): "Multi-Access Edge Computing (MEC); Traffic Management APIs".
- [10] [ETSI GS MEC 016 \(V2.2.1\) \(04-2020\)](#): "Multi-access Edge Computing (MEC); Device application interface".
- [11] [ETSI GS MEC 021 \(V2.2.1\) \(02-2022\)](#): "Multi-access Edge Computing (MEC); Application Mobility Service API".
- [12] [ETSI GS MEC 028 \(V2.3.1\) \(07-2022\)](#): "Multi-access Edge Computing (MEC); WLAN Access Information API".
- [13] [ETSI GS MEC 029 \(V2.2.1\) \(01-2022\)](#): "Multi-access Edge Computing (MEC); Fixed Access Information API".
- [14] [ETSI GS MEC 030 \(V2.2.1\) \(05-2022\)](#): "Multi-access Edge Computing (MEC); V2X Information Service API".
- [15] [ETSI GS MEC 033 \(V3.1.1\) \(12-2022\)](#): "Multi-access Edge Computing (MEC); IoT API".
- [16] [ETSI GS MEC 040 \(V3.1.1\) \(02-2023\)](#): "Multi-access Edge Computing (MEC); Federation enablement APIs".

2.2 Informative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long term validity.

The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

- [i.1] ETSI GR MEC-DEC 025 (V2.1.1) (06-2019): "Multi-access Edge Computing (MEC); MEC Testing Framework".
- [i.2] ETSI GR MEC 001 (V3.1.1) (01-2022): "Multi-access Edge Computing (MEC); Terminology".

3 Definition of terms, symbols and abbreviations

3.1 Terms

For the purposes of the present document, the terms given in ETSI GR MEC 001 [i.2] and the following apply:

conformance testing: purpose of conformance testing is to determine to what extent a single implementation of a particular standard conforms to the individual requirements of that standard

3.2 Symbols

Void.

3.3 Abbreviations

For the purposes of the present document, the abbreviations given in ETSI GR MEC 001 [i.2] and the following apply:

AMS	Application Mobility Service
ATS	Abstract Test Suite
FAI	Fixed Access Information
GR	Group Report
GS	Group Specification
ICS	Implementation Conformance Statement
IUT	Implementation Under Test
SUT	System Under Test
TP	Test Purpose
TSS	Test Suite Structure

4 Conformance requirement concerning ICS

If it claims to conform to the present document, the actual ICS pro forma to be filled in by a supplier shall be technically equivalent to the text of the ICS pro forma given in annex A, and shall preserve the numbering, naming and ordering of the pro forma items.

An ICS which conforms to the present document shall be a conforming ICS pro forma completed in accordance with the instructions for completion given in clause A.1.

Annex A (normative): MEC ICS Pro forma

A.0 The right to copy

Notwithstanding the provisions of the copyright clause related to the text of the present document, ETSI grants that users of the present document may freely reproduce the ICS pro forma in this annex so that it can be used for its intended purposes and may further publish the completed ICS.

A.1 Guidance for completing the ICS Pro forma

A.1.1 Purpose and structure

The purpose of this ICS pro forma is to provide a mechanism whereby a supplier of an implementation of the requirements defined in ETSI MEC APIs specifications may provide information about the implementation in a standardized manner.

The ICS pro forma is subdivided into clauses for the following categories of information:

- guidance for completing the ICS pro forma;
- identification of the implementation;
- identification of the ETSI MEC API;
- global statement of conformance;
- requirements and ICS tables.

A.1.2 Instructions for completing the ICS pro forma

The supplier of the implementation shall complete the ICS pro forma in each of the spaces provided. In particular, an explicit answer shall be entered, in each of the support or supported column boxes provided.

If necessary, the supplier may provide additional comments in space at the bottom of the tables or separately.

More detailed instructions are given at the beginning of the different clauses of the ICS pro forma.

A.2 Identification of the implementation

A.2.1 Introduction

Identification of the Implementation Under Test (IUT) and the system in which it resides (the System Under Test (SUT)) should be communicated so as to provide as much detail as possible regarding version numbers and configuration options.

Clause A.2 provides a template to provide such information.

The product supplier information and client information should both be filled in if they are different. A person who can answer queries regarding information supplied in the ICS should be named as the contact person.

A.2.2 Date of the statement

.....

A.2.3 Implementation Under Test (IUT) identification

IUT name:

.....

.....

IUT version:

.....

.....

A.2.4 System Under Test (SUT) identification

SUT name:

.....

.....

Hardware configuration:

.....

.....

.....

A.2.5 Product supplier

Name:

.....

Address:

.....

.....

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....
.....
.....

A.2.6 Client (if different from product supplier)

Name:

.....

Address:

.....
.....
.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....
.....
.....

A.2.7 ICS contact person

(A person to contact if there are any queries concerning the content of the ICS.)

Name:

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

.....

A.3 Identification of the ETSI MEC APIs

This ICS pro forma applies to the following standards:

- ETSI GS MEC 010-2 (V3.1.1) (06-2023): "Multi-access Edge Computing (MEC); MEC Management; Part 2: Application lifecycle, rules and requirements management".
- ETSI GS MEC 011 (V3.1.1) (09-2022): "Multi-access Edge Computing (MEC); Edge Platform Application Enablement".
- ETSI GS MEC 012 (V2.2.1) (02-2022): "Multi-access Edge Computing (MEC); Radio Network Information API".
- ETSI GS MEC 013 (V3.1.1) (01-2023): "Multi-access Edge Computing (MEC); Location API".
- ETSI GS MEC 014 (V2.1.1) (03-2021): "Multi-access Edge Computing (MEC); UE Identity API".
- ETSI GS MEC 015 (V2.2.1) (12-2022): "Multi-access Edge Computing (MEC); Traffic Management API".
- ETSI GS MEC 016 (V2.2.1) (04-2020): "Multi-access Edge Computing (MEC); Device application interface".
- ETSI GS MEC 021 (V2.2.1) (02-2022): "Multi-access Edge Computing (MEC); Application Mobility Service API".
- ETSI GS MEC 028 (V2.3.1) (07-2022): "Multi-access Edge Computing (MEC); WLAN Information API".
- ETSI GS MEC 029 (V2.2.1) (01-2022): "Multi-access Edge Computing (MEC); Fixed Access Information API".
- ETSI GS MEC 030 (V2.2.1) (05-2022): "Multi-access Edge Computing (MEC); V2X Information Service API".
- ETSI GS MEC 033 (V3.1.1) (12-2022): "Multi-access Edge Computing (MEC); IoT API".
- ETSI GS MEC 040 (V3.1.1) (02-2023): "Multi-access Edge Computing (MEC); Federation enablement APIs".

A.4 Global statement of conformance

A.4.1 Introduction

Clause A.4 provides a template for a global statement of conformance.

Are all mandatory capabilities implemented? (Yes/No)

NOTE: Answering "No" to this question indicates non-conformance to the MEC API standard specification.

Non-supported mandatory capabilities are to be identified in the ICS, with an explanation of why the implementation is non-conforming, on pages attached to the ICS pro forma.

A.4.2 Functional entities and Reference Points

Table A.4.2-1

Item	Entity type	Mnemonic	Reference	Condition	Support
1	MEC Platform	MEC_PLAT	ETSI GR MEC-DEC 025, clause 6.1.3	C.1	<input type="radio"/> Yes <input type="radio"/> No
2	Other component of the MEC System	MEC_SYSTEM	ETSI GR MEC-DEC 025, clause 6.1	C.1	<input type="radio"/> Yes <input type="radio"/> No
3	MEC Service provider	SERVICES		C.1	<input type="radio"/> Yes <input type="radio"/> No
C.1: At least one shall be supported.					

A.4.3 API Resources and Reference Points

The IUT provider shall fill Table A.4.3-1 to express more specific capabilities of the IUT. By checking "Yes" in the support column, the IUT provider expresses the intention to be tested for conformance on all endpoints and operations defined in the related Table identified in the "Reference" column.

The mnemonic column contains an identifier for the group of capabilities, used in the definition of Test Purposes and Test Cases. The Mnemonic identifier is not provided for all groups, and when not defined the related cell shall contain "na" (not available).

Table A.4.3-1 specifies two types of items:

- Level 1 items, identified by a singular digit (e.g. 1), which identify base specification; and
- Level 2 items, identified by a two digits separated by a dot (e.g. 1.1), which identify sub elements of the base specification for more detailed statements.

To express that an IUT that does not support any of the Level 2 items for a certain certification, the IUT provider shall check "No" in the support column for the related Level 1 item. The related Level 2 items may be left unchecked and they will be assume not to be tested.

To express that an IUT does support some (or all) of the Level 2 items for a certain specification, the IUT provider shall check "Yes" in the support column for the related Level 1 item and mark all Level 2 items according to the IUT implementation capabilities.

Table A.4.3-1

Item	Entity type	Mnemonic	Reference	Condition	Support
1	ETSI GS MEC 010-2	na	Clause A.5.2	C.1	<input type="radio"/> Yes <input type="radio"/> No
>1.1	Application package management (Mm1)	APP_PACKAGE_MANAGEMENT_MM1	Table A.5.2.2-1	C.1	<input type="radio"/> Yes <input type="radio"/> No
>1.2	Application package management (Mm3)	APP_PACKAGE_MANAGEMENT_MM3	Table A.5.2.2-2	C.1	<input type="radio"/> Yes <input type="radio"/> No
>1.3	App Package Management notification callback	APP_PACKAGE_NOTIFICATIONS	Table A.5.2.2-3	C.1	<input type="radio"/> Yes <input type="radio"/> No
>1.4	Application life cycle management (Mm1 and Mm3)	APP_LCM_MANAGEMENT_MM1_MM3	Table A.5.2.2-4	C.1	<input type="radio"/> Yes <input type="radio"/> No
>1.5	Application life cycle management notification call-backs (Mm1, Mm3 and Mm3*)	APP_LCM_NOTIFICATIONS	Table A.5.2.2-5	C.1	<input type="radio"/> Yes <input type="radio"/> No
>1.6	Granting for application life cycle management operations (Mm3)	GRANTS_MANAGEMENT	Table A.5.2.2-6	C.1	<input type="radio"/> Yes <input type="radio"/> No
>1.7	Application life cycle management (Mm3*)	APP_LCM_MANAGEMENT_MM3*	Table A.5.2.2-7	C.1	<input type="radio"/> Yes <input type="radio"/> No

Item	Entity type	Mnemonic	Reference	Condition	Support
2	ETSI GS MEC 011	na	Clause A.5.3	C.1	O Yes O No
>2.1	MEC Application Support	APP_SUPPORT	Table A.5.3.2-1	C.1	O Yes O No
>2.2	Service Management	SERVICE_MANAGEMENT	Table A.5.3.2-2	C.1	O Yes O No
3	ETSI GS MEC 012	na	Clause A.5.4	C.1	O Yes O No
>3.1	RNIS simple queries	RNIS_QUERY	Table A.5.4.2-1	C.1	O Yes O No
>3.2	All subscriber's subscriptions	RNIS_ALL_SUBSCRIPTIONS	Table A.5.4.2-2	C.1	O Yes O No
>3.3	Individual subscriptions	RNIS_SPECIFIC_SUBSCRIPTION	Table A.5.4.2-3	C.1	O Yes O No
>3.4	Notification callback	RNIS_NOTIFICATIONS	Table A.5.4.2-4	C.1	O Yes O No
4	ETSI GS MEC 013	na	Clause A.5.5	C.1	O Yes O No
>4.1	Simple queries	na	Table A.5.5.2-1	C.1	O Yes O No
>4.2	Manage a specific item	na	Table A.5.5.2-2	C.1	O Yes O No
5	ETSI GS MEC 014	na	Clause A.5.6	C.1	O Yes O No
>5.1	Manage a specific item	na	Table A.5.6.2-1	C.1	O Yes O No
6	ETSI GS MEC 015	na	Clause A.5.7	C.1	O Yes O No
>6.1	Bandwidth Management	BANDWIDTH_MANAGEMENT	Table A.5.7.2-1	C.1	O Yes O No
>6.2	Multi-access Traffic Steering	TRAFFIC_STEERING	Table A.5.7.2-2	C.1	O Yes O No
7	ETSI GS MEC 016	na	Clause A.5.8	C.1	O Yes O No
>7.1	Simple queries	na	Table A.5.8.2-1	C.1	O Yes O No
>7.2	Manage a specific item	na	Table A.5.8.2-2	C.1	O Yes O No
8	ETSI GS MEC 021	na	Clause A.5.9	C.1	O Yes O No
>8.1	AMS APIs	AMS	Table A.5.9.2-1	C.1	O Yes O No
>8.2	Notification callback	AMS_NOTIFICATIONS	Table A.5.9.2-2	C.1	O Yes O No
9	ETSI GS MEC 028	na	Clause A.5.10	C.1	O Yes O No
>9.1	Simple queries	WAIS_QUERY	Table A.5.10.2-1	C.1	O Yes O No
>9.2	Subscriptions and notifications	WAIS_SUBSCRIPTIONS_NOTIFICATIONS	Table A.5.10.2-2	C.1	O Yes O No
>9.3	Measurements	WAIS_MEASUREMENTS	Table A.5.10.2-3	C.1	O Yes O No
10	ETSI GS MEC 029	na	Clause A.5.11	C.1	O Yes O No
>10.1	Simple queries	na	Table A.5.11.2-1	C.1	O Yes O No
>10.2	Manage a specific item	na	Table A.5.11.2-2	C.1	O Yes O No
11	ETSI GS MEC 030	na	Clause A.5.12	C.1	O Yes O No
>11.1	VIS APIs	VIS_APIS	Table A.5.12.2-1	C.1	O Yes O No
>11.2	Notification callback	VIS_NOTIFICATIONS	Table A.5.12.2-2	C.1	O Yes O No
12	ETSI GS MEC 033	na	Clause A.5.13	C.1	O Yes O No
>12.1	IoT APIs	IOTS_APIS	Table A.5.13.2-1	C.1	O Yes O No
13	ETSI GS MEC 040	na	Clause A.5.14	C.1	O Yes O No
>13.1	MEC FE APIs	FE_APIS	Table A.5.14.2-1	C.1	O Yes O No
C.1: At least one shall be supported.					

A.5 Requirements and ICS tables

A.5.1 ETSI GS MEC 010-1

A.5.1.1 Test Requirements

Table A.5.1.1-1 reports the functional requirements specified in ETSI GS MEC 010-1, classified per MEPM features.

Table A.5.1.1-1: Classification of MEPM requirements per MEPM features (Mm2)

Feature	Requirement ID	Requirement description	Reference
MEH configuration management (active)	REQ-MM2-MEH-CM-3	The Mm2 reference point shall support a capability allowing the OSS to configure the MEC host.	ETSI GS MEC 010-1, clause 5.1.1.1.1
	REQ-MM2-MEH-CM-4	The Mm2 reference point shall support a capability allowing the OSS to configure the DNS rules.	ETSI GS MEC 010-1, clause 5.1.1.1.1
	REQ-MM2-MEH-CM-5	The Mm2 reference point shall support a capability allowing the OSS to configure the traffic rules.	ETSI GS MEC 010-1, clause 5.1.1.1.1
MEH configuration management (passive)	REQ-MM2-MEH-CM-1	The Mm2 reference point shall support a capability allowing the OSS to retrieve the information model of the MEC host, or parts thereof, from the MEC platform manager.	ETSI GS MEC 010-1, clause 5.1.1.1.1
	REQ-MM2-MEH-CM-2	The Mm2 reference point shall support a capability allowing the MEC platform manager to notify changes related to the information model of the MEC host to the OSS.	ETSI GS MEC 010-1, clause 5.1.1.1.1
MEH fault management	REQ-MM2-MEH-FM-1	The Mm2 reference point shall support a capability allowing the MEC platform manager to send MEC platform related alarms to the OSS.	ETSI GS MEC 010-1, clause 5.1.1.1.2
	REQ-MM2-MEH-FM-2	The Mm2 reference point shall support a capability allowing the OSS to retrieve and manage alarms from the MEC platform manager.	ETSI GS MEC 010-1, clause 5.1.1.1.2
MEC Applications configuration management (active)	REQ-MM2-MEA-CM-1	The Mm2 reference point shall support a capability allowing the OSS to create managed object instances representing MEC application instances in the MEC platform manager.	ETSI GS MEC 010-1, clause 5.1.1.2.1
	REQ-MM2-MEA-CM-2	The Mm2 reference point shall support a capability allowing the OSS to delete managed object instances representing MEC application instances in the MEC platform manager.	ETSI GS MEC 010-1, clause 5.1.1.2.1
	REQ-MM2-MEA-CM-3	The Mm2 reference point shall support a capability allowing the OSS to activate and deactivate the DNS rules related to a certain MEC application instance.	ETSI GS MEC 010-1, clause 5.1.1.2.1
	REQ-MM2-MEA-CM-4	The Mm2 reference point shall support a capability allowing the OSS to activate and deactivate the traffic rules related to a certain MEC application instance.	ETSI GS MEC 010-1, clause 5.1.1.2.1

Feature	Requirement ID	Requirement description	Reference
MEC Applications configuration management (passive)	REQ-MM2-MEA-CM-5	The Mm2 reference point shall support a capability allowing the MEC platform manager to notify changes of managed object instances representing MEC application instances to the OSS.	ETSI GS MEC 010-1, clause 5.1.1.2.1
	REQ-MM2-MEA-CM-6	The Mm2 reference point shall support a capability allowing the MEC platform manager to notify object creation and deletion events of managed object instances representing MEC application instances to the OSS.	ETSI GS MEC 010-1, clause 5.1.1.2.1
MEC Applications state management	REQ-MM2-MEA-SM-1	The Mm2 reference point shall support a capability allowing the MEC platform manager to expose the operational state of instantiated MEC applications to the OSS.	ETSI GS MEC 010-1, clause 5.1.1.2.2

A.5.1.2 ICS

No Implementation Conformance Statements are reported or specified for ETSI GS MEC 010-1.

A.5.2 ETSI GS MEC 010-2

A.5.2.1 Test Requirements

This clause reports the functional requirements of the MEC Orchestrator (MEO) / MEC application orchestrator (MEAO) and the MEC Platform Manager, as specified explicitly in ETSI GS MEC 010-2 or derived from the workflows and API definition, classified per features and focusing on Mm1 (see Table A.5.2.1-1 to Table A.5.2.1-4), Mm3 (see Table A.5.2.1-5 to Table A.5.2.1-9), Mm3* (see Table A.5.2.1-10), Mv1 (see Table A.5.2.1-11) and Mv2 (see Table A.5.2.1-12).

**Table A.5.2.1-1: Classification of requirements per features (Mm1):
Application Package Management**

Requirement ID	Requirement description	Reference
Mm1.001	The Mm1 reference point shall support the application package management interface produced by the MEO/MEAO.	ETSI GS MEC 010-2, clause 4.1.1
Mm1.AppPkgm.001	The Application Package Management interface produced by the MEO/MEAO on the Mm1 reference point shall support on-boarding an Application Package.	ETSI GS MEC 010-2, clauses 4.1.2.1, 5.2.2, 5.6.2 and 6.3.3.5
Mm1.AppPkgm.002	The Application Package Management interface produced by the MEO/MEAO on the Mm1 reference point shall support querying Application Package information.	ETSI GS MEC 010-2, clauses 4.1.2.1, 5.2.3, 5.6.3 and 6.3.3.2
Mm1.AppPkgm.003	The Application Package Management interface produced by the MEO/MEAO on the Mm1 reference point shall support deleting an Application Package.	ETSI GS MEC 010-2, clauses 4.1.2.1, 5.2.6, 5.6.6 and 6.3.3.9
Mm1.AppPkgm.004	The Application Package Management interface produced by the MEO/MEAO on the Mm1 reference point shall support enabling an application package.	ETSI GS MEC 010-2, clauses 4.1.2.1, 5.2.5, 5.6.5 and 6.3.3.6
Mm1.AppPkgm.005	The Application Package Management interface produced by the MEO/MEAO on the Mm1 reference point shall support disabling an application package.	ETSI GS MEC 010-2, clauses 4.1.2.1, 5.2.4, 5.6.4 and 6.3.3.7
Mm1.AppPkgm.006	The Application Package Management interface produced by the MEO/MEAO on the Mm1 reference point shall support providing notifications as a result of changes on application package states.	ETSI GS MEC 010-2, clauses 4.1.2.1 and 6.3.3.4

Requirement ID	Requirement description	Reference
Mm1.AppPkgm.007	The Application Package Management interface produced by the MEO/MEAO on the Mm1 reference point shall support providing notifications about the on-boarding of application packages.	ETSI GS MEC 010-2, clauses 4.1.2.1 and 6.3.3.4
Mm1.AppPkgm.008	The Application Package Management interface produced by the MEO/MEAO on the Mm1 reference point shall support fetching an application package, or selected files contained in a package.	ETSI GS MEC 010-2, clauses 4.1.2.1, 5.2.7 and 6.3.3.1

**Table A.5.2.1-2: Classification of requirements per features (Mm1):
Application Package Management (Application Package format)**

Requirement ID	Requirement description	Reference
AppPkt.001	The application package shall contain software image(s) or link(s) to software image(s).	ETSI GS MEC 010-2, clause 4.3.1
AppPkt.002	The application package shall contain an application descriptor that describes the application requirements and rules which are required or preferred by the MEC application.	ETSI GS MEC 010-2, clause 4.3.1
AppPkt.003	The application package shall be signed by the application provider. The digest and the public key of the entity signing shall be included in the package along with the corresponding certificate.	ETSI GS MEC 010-2, clause 4.3.1
AppPkt.004	Files in the package may be individually signed. For each signed file, the corresponding public key, algorithm and certificate used shall be stored in a well-known location within the application package.	ETSI GS MEC 010-2, clause 4.3.1
AppPkt.005	The application package shall contain a manifest file which lists files that the package contains and a hash of their content.	ETSI GS MEC 010-2, clause 4.3.1
AppPkt.006	The application package shall contain one or more Managed Container Infrastructure Object Packages (MCIOP) representing aggregated containerized workload structures, when the application is realized by a set of OS containers.	ETSI GS MEC 010-2, clause 4.3.1

**Table A.5.2.1-3: Classification of requirements per features (Mm1):
Application Package Management (Application Descriptor)**

Requirement ID	Requirement description	Reference
AppDesc.001	The application descriptor shall contain a description of minimum computation resources required by the application, e.g. amount, characteristics and capabilities for virtual compute.	ETSI GS MEC 010-2, clause 4.3.2
AppDesc.002	The application descriptor shall contain a description of minimum virtual storage resources the required by application.	ETSI GS MEC 010-2, clause 4.3.2
AppDesc.003	The application descriptor shall contain a description of minimum virtual network resources required by the application.	ETSI GS MEC 010-2, clause 4.3.2
AppDesc.004	The application descriptor shall support describing a list of services a MEC application requires to run.	ETSI GS MEC 010-2, clause 4.3.2
AppDesc.005	The application descriptor shall support describing a list of additional services that a MEC application may use if available.	ETSI GS MEC 010-2, clause 4.3.2
AppDesc.006	The application descriptor shall support describing a list of features a MEC application requires to run.	ETSI GS MEC 010-2, clause 4.3.2
AppDesc.007	The application descriptor shall support describing a list of additional features a MEC application may use if available.	ETSI GS MEC 010-2, clause 4.3.2
AppDesc.008	The application descriptor shall support a description of Traffic Rules.	ETSI GS MEC 010-2, clause 4.3.2
AppDesc.009	The application descriptor shall support a description of DNS Rules which provide specific FQDNs to be registered into the MEC system (e.g. for redirection of traffic to local host).	ETSI GS MEC 010-2, clause 4.3.2
AppDesc.010	The application descriptor shall support a description of latency required by the MEC application.	ETSI GS MEC 010-2, clause 4.3.2

**Table A.5.2.1-4: Classification of requirements per features (Mm1):
Application Lifecycle Management**

Requirement ID	Requirement description	Reference
Mm1.002	The Mm1 reference point shall support the application lifecycle management interface produced by the MEO/MEAO.	ETSI GS MEC 010-2, clause 4.1.1
Mm1.AppLcm.001	The Application Lifecycle Management interface produced by the MEO/MEAO on the Mm1 reference point shall support instantiating an Application instance.	ETSI GS MEC 010-2, clauses 4.1.2.2, 5.3.1 and 6.3.1.3
Mm1.AppLcm.002	The Application Lifecycle Management interface produced by the MEO/MEAO on the Mm1 reference point shall support terminating an Application instance.	ETSI GS MEC 010-2, clauses 4.1.2.2, 5.3.2 and 6.3.1.7
Mm1.AppLcm.003	The Application Lifecycle Management interface produced by the MEO/MEAO on the Mm1 reference point shall support requesting to change the state of an application instance. (Changing the state of an application instance refers to starting or stopping an application instance. These operations are complementary to instantiating or terminating an application.)	ETSI GS MEC 010-2, clauses 4.1.2.2 and 6.3.1.4
Mm1.AppLcm.004	The Application Lifecycle Management interface produced by the MEO/MEAO on the Mm1 reference point shall support providing notifications as a result of lcm operations.	ETSI GS MEC 010-2, clauses 4.1.2.2 and 6.3.1.9
MEC032.Mm1.AppLcm.001	The Application Lifecycle Management interface produced by the MEO/MEAO on the Mm1 reference point shall support creating an application instance identifier.	ETSI GS MEC 010-2, clause 6.3.1.2
MEC032.Mm1.AppLcm.002	The Application Lifecycle Management interface produced by the MEO/MEAO on the Mm1 reference point shall support deleting an application instance identifier.	ETSI GS MEC 010-2, clause 6.3.1.8
MEC032.Mm1.AppLcm.003	The Application Lifecycle Management interface produced by the MEO/MEAO on the Mm1 reference point shall support querying information about an application instance.	ETSI GS MEC 010-2, clause 6.3.1.5
MEC032.Mm1.AppLcm.004	The Application Lifecycle Management interface produced by the MEO/MEAO on the Mm1 reference point shall support querying the status of a lifecycle operation.	ETSI GS MEC 010-2, clause 6.3.1.6
MEC032.Mm1.AppLcm.005	The Application Lifecycle Management interface produced by the MEO/MEAO on the Mm1 reference point shall support configuring platform for application instance operation.	ETSI GS MEC 010-2, clause 6.3.1.10

**Table A.5.2.1-5: Classification of requirements per features (Mm3):
Application Package Management**

Requirement ID	Requirement description	Reference
Mm3.001	The Mm3 reference point shall support the application package management interface produced by the MEC Orchestrator.	ETSI GS MEC 010-2, clause 4.2.1
Mm3.AppPkgm.001	The Application Package Management interface produced by the MEO on the Mm3 reference point shall support querying application package information.	ETSI GS MEC 010-2, clauses 4.2.2.1 and 6.3.3.2
Mm3.AppPkgm.002	The Application Package Management interface produced by the MEO on the Mm3 reference point shall support providing notifications as a result of changes on application package states.	ETSI GS MEC 010-2, clauses 4.2.2.1 and 6.3.3.4
Mm3.AppPkgm.003	The Application Package Management interface produced by the MEO on the Mm3 reference point shall support providing notifications about the on-boarding of application packages.	ETSI GS MEC 010-2, clauses 4.2.2.1 and 6.3.3.4
Mm3.AppPkgm.004	The Application Package Management interface produced by the MEO on the Mm3 reference point shall support fetching an application package, or selected files contained in a package.	ETSI GS MEC 010-2, clauses 4.2.2.1 and 6.3.3.1
MEC032.Mm3.AppPkgm.001	The MEPM shall be able to subscribe with a filter to the MEO for notifications related to events of application packages.	ETSI GS MEC 010-2, clause 6.3.3.3

**Table A.5.2.1-6: Classification of requirements per features (Mm3):
Application Package Management (Application Package format)**

Requirement ID	Requirement description	Reference
AppPkt.001	The application package shall contain software image(s) or link(s) to software image(s).	ETSI GS MEC 010-2, clause 4.3.1
AppPkt.002	The application package shall contain an application descriptor that describes the application requirements and rules which are required or preferred by the MEC application.	ETSI GS MEC 010-2, clause 4.3.1
AppPkt.003	The application package shall be signed by the application provider. The digest and the public key of the entity signing shall be included in the package along with the corresponding certificate.	ETSI GS MEC 010-2, clause 4.3.1
AppPkt.004	Files in the package may be individually signed. For each signed file, the corresponding public key, algorithm and certificate used shall be stored in a well-known location within the application package.	ETSI GS MEC 010-2, clause 4.3.1
AppPkt.005	The application package shall contain a manifest file which lists files that the package contains and a hash of their content.	ETSI GS MEC 010-2, clause 4.3.1
AppPkt.006	The application package shall contain one or more Managed Container Infrastructure Object Packages (MCIOP) representing aggregated containerized workload structures, when the application is realized by a set of OS containers.	ETSI GS MEC 010-2, clause 4.3.1

**Table A.5.2.1-7: Classification of requirements per features (Mm3):
Application Package Management (Application Descriptor)**

Requirement ID	Requirement description	Reference
AppDesc.001	The application descriptor shall contain a description of minimum computation resources required by the application, e.g. amount, characteristics and capabilities for virtual compute.	ETSI GS MEC 010-2, clause 4.3.2
AppDesc.002	The application descriptor shall contain a description of minimum virtual storage resources the required by application.	ETSI GS MEC 010-2, clause 4.3.2
AppDesc.003	The application descriptor shall contain a description of minimum virtual network resources required by the application.	ETSI GS MEC 010-2, clause 4.3.2
AppDesc.004	The application descriptor shall support describing a list of services a MEC application requires to run.	ETSI GS MEC 010-2, clause 4.3.2
AppDesc.005	The application descriptor shall support describing a list of additional services that a MEC application may use if available.	ETSI GS MEC 010-2, clause 4.3.2
AppDesc.006	The application descriptor shall support describing a list of features a MEC application requires to run.	ETSI GS MEC 010-2, clause 4.3.2
AppDesc.007	The application descriptor shall support describing a list of additional features a MEC application can may if available.	ETSI GS MEC 010-2, clause 4.3.2
AppDesc.008	The application descriptor shall support a description of Traffic Rules.	ETSI GS MEC 010-2, clause 4.3.2
AppDesc.009	The application descriptor shall support a description of DNS Rules which provide specific FQDNs to be registered into the MEC system (e.g. for redirection of traffic to local host).	ETSI GS MEC 010-2, clause 4.3.2
AppDesc.010	The application descriptor shall support a description of latency required by the MEC application.	ETSI GS MEC 010-2, clause 4.3.2

**Table A.5.2.1-8: Classification of requirements per features (Mm3):
Application Lifecycle Management**

Requirement ID	Requirement description	Reference
Mm3.002	The Mm3 reference point shall support the application Lifecycle Management interface produced by the MEC Platform Manager.	ETSI GS MEC 010-2, clause 4.2.1
Mm3.AppLcm.001	The Application Lifecycle Management interface produced by the MEC Platform Manager on the Mm3 reference point shall support instantiating an Application.	ETSI GS MEC 010-2, clauses 4.2.2.2, 5.3.1 and 6.3.1.3
Mm3.AppLcm.002	The Application Lifecycle Management interface produced by the MEC Platform Manager on the Mm3 reference point shall support terminating an application instance.	ETSI GS MEC 010-2, clauses 4.2.2.2, 5.3.2 and 6.3.1.7
Mm3.AppLcm.003	The Application Lifecycle Management interface produced by the MEC Platform Manager on the Mm3 reference point shall support querying information about an application instance.	ETSI GS MEC 010-2, clauses 4.2.2.2 and 6.3.1.5
Mm3.AppLcm.004	The Application Lifecycle Management interface produced by the MEC Platform Manager on the Mm3 reference point shall support requesting to change the state of an application instance. (Changing the state of an application instance refers to starting or stopping an application instance. These operations are complementary to instantiating or terminating an application.)	ETSI GS MEC 010-2, clauses 4.2.2.2 and 6.3.1.4
Mm3.AppLcm.005	The Application Lifecycle Management interface produced by the MEC Platform Manager on the Mm3 reference point shall support querying the status of an ongoing application lifecycle management operation.	ETSI GS MEC 010-2, clauses 4.2.2.2 and 6.3.1.6
MEC032.Mm3.AppLcm.001	The Application Lifecycle Management interface produced by the MEC Platform Manager on the Mm3 reference point shall support creating an application instance identifier.	ETSI GS MEC 010-2, clause 6.3.1.2
MEC032.Mm3.AppLcm.002	The Application Lifecycle Management interface produced by the MEC Platform Manager on the Mm3 reference point shall support deleting an application instance identifier.	ETSI GS MEC 010-2, clause 6.3.1.8
MEC032.Mm3.AppLcm.003	The Application Lifecycle Management interface produced by the MEC Platform Manager on the Mm3 reference point shall support providing notifications as a result of lcm operations.	ETSI GS MEC 010-2, clause 6.3.1.9

**Table A.5.2.1-9: Classification of requirements per features (Mm3):
Application Lifecycle Change Notification**

Requirement ID	Requirement description	Reference
Mm3.003	The Mm3 reference point shall support the application Lifecycle Change Notification interface produced by the MEC Platform Manager.	ETSI GS MEC 010-2, clause 4.2.1
Mm3.AppLccn.001	The Application Lifecycle Change Notification interface produced by the MEC Platform Manager on the Mm3 reference point shall support providing to the MEO notifications about changes of an application instance that are related to application lifecycle management operations.	ETSI GS MEC 010-2, clauses 4.2.2.3 and 6.3.1.9
Mm3.AppLccn.002	Notifications provided on the Application Lifecycle Change Notification interface produced by the MEC Platform Manager on the Mm3 reference point shall contain information about the type of application lifecycle operation, the identification of the application instance.	ETSI GS MEC 010-2, clause 4.2.2.3 and 6.3.1.9
Mm3.AppLccn.003	Notifications provided on the Application Lifecycle Change Notification interface produced by the MEC Platform Manager on the Mm3 reference point shall support indicating the start of the lifecycle procedure, the end and the results of the lifecycle procedure including any error produced from the lifecycle procedure.	ETSI GS MEC 010-2, clause 4.2.2.3 and 6.3.1.9
Mm3.AppLccn.004	The Application Lifecycle Change Notification interface produced by the MEC Platform Manager on the Mm3 reference point shall support notifying the result (successful or failed) of application instantiation with indicating the application instance identifier, and the consumed, modified or released resources.	ETSI GS MEC 010-2, clause 4.2.2.3 and 6.3.1.9
MEC032.Mm3.AppLccn.001	The Application Lifecycle Change Notification interface produced by the MEC Platform Manager on the Mm3 reference point shall support notifying the creation of an application instance identified.	ETSI GS MEC 010-2, clause 6.3.1.9
MEC032.Mm3.AppLccn.002	The Application Lifecycle Change Notification interface produced by the MEC Platform Manager on the Mm3 reference point shall support notifying the deletion of an application instance identified.	ETSI GS MEC 010-2, clause 6.3.1.9
MEC032.Mm3.AppLccn.003	The MEO shall be able to subscribe with a filter to the MEPM for notifications about application lifecycle changes.	ETSI GS MEC 010-2, clause 6.3.1.9

**Table A.5.2.1-10: Classification of requirements per features (Mm3*):
Application Lifecycle Management**

Requirement ID	Requirement description	Reference
Mm3*.001	The Mm3* reference point shall support the application Lifecycle Management interface produced by the MEC Platform Manager - NFV.	ETSI GS MEC 010-2, clause 4.4.1
Mm3*.AppLcm.001	The Application Lifecycle Management interface produced by the MEPM-V on the Mm3* reference point shall support configuration an application instance.	ETSI GS MEC 010-2, clauses 4.4.2 and 6.3.1.10
Mm3*.AppLcm.002	The Application Lifecycle Management interface produced by the MEPM-V on the Mm3* reference point shall support terminating an application instance.	ETSI GS MEC 010-2, clauses 4.4.2, 5.3.2 and 6.3.1.7
Mm3*.AppLcm.003	The Application Lifecycle Management interface produced by the MEPM-V on the Mm3* reference point shall support querying information about an application instance.	ETSI GS MEC 010-2, clauses 4.4.2 and 6.3.1.5
Mm3*.AppLcm.004	The Application Lifecycle Management interface produced by the MEPM-V on the Mm3* reference point shall support requesting to change the state of an application instance.	ETSI GS MEC 010-2, clauses 4.4.2 and 6.3.1.4

**Table A.5.2.1-11: Classification of requirements per features (Mv1):
LCM Coordination**

Requirement ID	Requirement description	Reference
Mv1.004	The Mv1 reference point shall support the LCM Coordination interface produced by the MEC application Orchestrator.	ETSI GS MEC 010-2, clause 4.5.1
Mv1.LcmCoord.001	The LCM Coordination interface produced by the MEAO on the Mv1 reference point shall support receiving requests to coordinate LCM operations affecting an application instance as a VNF instances.	ETSI GS MEC 010-2, clauses 4.5.2 and 6.3.5.3

**Table A.5.2.1-12: Classification of requirements per features (Mv2):
LCM Coordination**

Requirement ID	Requirement description	Reference
Mv2.002	The Mv2 reference point shall support the LCM Coordination interface produced by the MEC Platform Manager - NFV.	ETSI GS MEC 010-2, clause 4.6.1
Mv2.LcmCoord.001	The LCM Coordination interface produced by the MEPM-V on the Mv2 reference point shall support receiving requests to coordinate LCM operations affecting an application instance as a VNF instances.	ETSI GS MEC 010-2, clauses 4.6.2 and 6.3.5.4

A.5.2.2 ICS

Table A.5.2.2-1 defines the list of Implementation Conformance Statements for the features addressed in the MEC APIs for Application Package Management on Mm1 reference point.

Table A.5.2.2-1: Application package management (Mm1)

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
1	Application packages	Table 7.2-1 in clause 7.2 of ETSI GS MEC 010-2	GET	O Yes O No	Table 7.3.1.3.2-1 of ETSI GS MEC 010-2	n/a	Table 7.3.1.3.2-2 of ETSI GS MEC 010-2 AppPkgInfo Table 6.2.3.3.2-1 of ETSI GS MEC 010-2
2	/app_packages /onboarded_app_packages		POST	O Yes O No	n/a	Table 7.3.1.3.1-2 of ETSI GS MEC 010-2 CreateAppPkg Table 6.2.3.2.2-1 of ETSI GS MEC 010-2	Table 7.3.1.3.1-2 of ETSI GS MEC 010-2 AppPkgInfo Table 6.2.3.3.2-1 of ETSI GS MEC 010-2
3			PUT, PATCH & DELETE	n/a	n/a	n/a	n/a
4	Individual application package	Table 7.2-1 in clause 7.2 of ETSI GS MEC 010-2	GET	O Yes O No	n/a	n/a	Table 7.3.2.3.2-2 of ETSI GS MEC 010-2 AppPkgInfo Table 6.2.3.3.2-1 of ETSI GS MEC 010-2
5	/app_packages/{appPkgId} /onboarded_app_packages/{appDId}		PATCH	O Yes O No	Table 7.3.2.3.5-2 of ETSI GS MEC 010-2 AppPkgInfoModifications Table 6.2.3.8.2-1 of ETSI GS MEC 010-2	n/a	Table 7.3.2.3.5-2 of ETSI GS MEC 010-2 AppPkgInfoModifications Table 6.2.3.8.2-1 of ETSI GS MEC 010-2
6			DELETE	O Yes O No	n/a	n/a	Table 7.3.2.3.4-2 of ETSI GS MEC 010-2
7			POST & PUT	n/a	n/a	n/a	n/a

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
8	Application descriptor /app_packages/{appPkgId}/ appDId	Table 7.2-1 in clause 7.2 of ETSI GS MEC 010-2	GET	O Yes O No	Table 7.3.6.3.2-1 of ETSI GS MEC 010-2	n/a	Table 7.3.6.3.2-2 of ETSI GS MEC 010-2 AppD Table 6.2.1.2.2-1 of ETSI GS MEC 010-2
9	/onboarded_app_packages/ {appDId}/appd		POST & PUT & DELETE & PATCH	n/a	n/a	n/a	n/a
10	Subscriptions /subscriptions	Table 7.2-1 in clause 7.2 of ETSI GS MEC 010-2	POST	O Yes O No	n/a	Table 7.3.3.3.1-1 of ETSI GS MEC 010-2 AppPkgSubscription Table 6.2.3.7.2-1 of ETSI GS MEC 010-2	Table 7.3.3.3.1-1 of ETSI GS MEC 010-2 AppPkgSubscriptionInfo Table 6.2.3.4.2-1 of ETSI GS MEC 010-2
11			GET	O Yes O No	n/a	n/a	Table 7.3.3.3.2-2 of ETSI GS MEC 010-2 AppPkgSubscriptionLinkList Table 6.2.3.5.2-1 of ETSI GS MEC 010-2
12			PUT & DELETE & PATCH	n/a	n/a	n/a	n/a
13	Individual subscription /subscriptions/{subscriptionI d}	Table 7.2-1 in clause 7.2 of ETSI GS MEC 010-2	GET	O Yes O No	n/a	n/a	Table 7.3.4.3.2-2 of ETSI GS MEC 010-2 AppPkgSubscriptionInfo Table 6.2.3.4.2-1 of ETSI GS MEC 010-2
14			DELETE	O Yes O No	n/a	n/a	Table 7.3.4.3.4-2 of ETSI GS MEC 010-2
15			POST & PUT & PATCH	n/a	n/a	n/a	n/a
16	Application package content	Table 7.2-1 in clause 7.2 of ETSI GS MEC 010-2	GET	O Yes O No	n/a	n/a	Table 7.3.7.3.2-2 of ETSI GS MEC 010-2
17	/app_packages/{appPkgId}/ package_content		PUT	O Yes O No	n/a	Table 7.3.7.3.3-2 of ETSI GS MEC 010-2	Table 7.3.7.3.3-2 of ETSI GS MEC 010-2
18	/onboarded_app_packages/ {appDId}/package_content		POST, PATCH & DELETE	n/a	n/a	n/a	n/a

Table A.5.2.2-2 defines the list of Implementation Conformance Statements for the features addressed in the MEC APIs for Application Package Management on Mm3 reference point.

Table A.5.2.2-2: Application package management (Mm3)

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
1	Application packages /app_packages /onboarded_app_packages	Table 7.2-3 in clause 7.2 of ETSI GS MEC 010-2	GET	O Yes O No	Table 7.3.1.3.2-1 of ETSI GS MEC 010-2	n/a	Table 7.3.1.3.2-2 of ETSI GS MEC 010-2 AppPkgInfo Table 6.2.3.3.2-1 of ETSI GS MEC 010-2
2			POST, PUT, PATCH & DELETE	n/a	n/a	n/a	n/a
3	Individual application package /app_packages/{appPkgId} /onboarded_app_packages/{appDId}	Table 7.2-3 in clause 7.2 of ETSI GS MEC 010-2	GET	O Yes O No	n/a	n/a	Table 7.3.2.3.2-2 of ETSI GS MEC 010-2 AppPkgInfo Table 6.2.3.3.2-1 of ETSI GS MEC 010-2
4			POST, PUT, PATCH & DELETE	n/a	n/a	n/a	n/a
5	Application package content /app_packages/{appPkgId}/package_content	Table 7.2-3 in clause 7.2 of ETSI GS MEC 010-2	GET	O Yes O No	n/a	n/a	n/a Table 7.3.7.3.2-2 of ETSI GS MEC 010-2
6	/onboarded_app_packages/{appDId}/package_content		POST & PUT & DELETE & PATCH	n/a	n/a	n/a	n/a
7	Application descriptor /app_packages/{appPkgId}/appd /onboarded_app_packages/{appDId}/appd	Table 7.2-3 in clause 7.2 of ETSI GS MEC 010-2	GET	O Yes O No	Table 7.3.6.3.2-1 of ETSI GS MEC 010-2	n/a	Table 7.3.6.3.2-2 of ETSI GS MEC 010-2 AppD Table 6.2.1.2.2-1 of ETSI GS MEC 010-2
8			POST & PUT & DELETE & PATCH	n/a	n/a	n/a	n/a

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
9	Subscriptions	Table 7.2-3 in clause 7.2 of ETSI GS MEC 010-2	POST	O Yes O No	n/a	Table 7.3.3.3.1-1 of ETSI GS MEC 010-2 AppPkgSubscription Table 6.2.3.7.2-1 of ETSI GS MEC 010-2	Table 7.3.3.3.1-1 of ETSI GS MEC 010-2 AppPkgSubscriptionInfo Table 6.2.3.4.2-1 of ETSI GS MEC 010-2
10	/subscriptions		GET	O Yes O No	n/a	n/a	Table 7.3.3.3.2-2 of ETSI GS MEC 010-2 AppPkgSubscriptionLinkList Table 6.2.3.5.2-1 of ETSI GS MEC 010-2
11			PUT & DELETE & PATCH	n/a	n/a	n/a	n/a
12	Individual subscription	Table 7.2-3 in clause 7.2 of ETSI GS MEC 010-2	GET	O Yes O No	n/a	n/a	Table 7.3.4.3.2-2 of ETSI GS MEC 010-2 AppPkgSubscriptionInfo Table 6.2.3.4.2-1 of ETSI GS MEC 010-2
13	/subscriptions/{subscriptionId}		DELETE	O Yes O No	n/a	n/a	Table 7.3.4.3.4-2 of ETSI GS MEC 010-2
14			POST & PUT & PATCH	n/a	n/a	n/a	n/a

The list of Implementation Conformance Statements for App Package Management notifications is defined in Table A.5.2.2-3 for both Mm1 and Mm3 reference points.

Table A.5.2.2-3: App Package Management notification callback

ID	Client provided callback reference	Reference	HTTP Method	Support	Request Body
1	Notification endpoint	Table 7.2-1 (Mm1) and Table 7.2-3 (Mm3) in clause 7.2 of ETSI GS MEC 010-2	GET, PUT, PATCH & DELETE	n/a	n/a
2			POST	O Yes O No	Table 7.3.5.3.1-2 of ETSI GS MEC 010-2 AppPkgNotification Table 6.2.3.6.2-1 of ETSI GS MEC 010-2

Table A.5.2.2-4 defines the list of Implementation Conformance Statements for the features addressed in the MEC APIs for Application Life Cycle Management on Mm1 and Mm3 reference point.

Table A.5.2.2-4: Application life cycle management (Mm1 and Mm3)

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
1	application instances /app_instances	Table 7.2-2 (Mm1) and Table 7.2-4 (Mm3) in clause 7.2 of ETSI GS MEC 010-2	GET	O Yes O No	Table 7.4.1.3.2-1 of ETSI GS MEC 010-2	n/a	Table 7.4.1.3.2-2 of ETSI GS MEC 010-2 AppInstanceInfo Table 6.2.2.4.2-1 of ETSI GS MEC 010-2
2			POST	O Yes O No	n/a	Table 7.4.1.3.1-2 of ETSI GS MEC 010-2 CreateAppInstanceRequest Table 6.2.2.3.2-1 of ETSI GS MEC 010-2	Table 7.4.1.3.1-2 of ETSI GS MEC 010-2 AppInstanceInfo Table 6.2.2.4.2-1 of ETSI GS MEC 010-2
3			PUT, PATCH & DELETE	n/a	n/a.	n/a	n/a
4	Individual application instance /app_instances/{appInstanceId}	Table 7.2-2 (Mm1) and Table 7.2-4 (Mm3) in clause 7.2 of ETSI GS MEC 010-2	GET	O Yes O No	n/a	n/a	Table 7.4.2.3.2-2 of ETSI GS MEC 010-2 AppInstanceInfo Table 6.2.2.4.2-1 of ETSI GS MEC 010-2
5			DELETE	O Yes O No	n/a	Table 7.4.2.3.4-2 of ETSI GS MEC 010-2	Table 7.4.2.3.4-2 of ETSI GS MEC 010-2
6			POST & PATCH	n/a	n/a	n/a	

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
7	Instantiate application instance task /app_instances/{appInstanceId}/instantiate	Table 7.2-2 (Mm1) and Table 7.2-4 (Mm3) in clause 7.2 of ETSI GS MEC 010-2	POST	O Yes O No	n/a	Table 7.4.6.3.1-2 of ETSI GS MEC 010-2 InstantiateAppRequest Table 6.2.2.7.2-1 of ETSI GS MEC 010-2	Table 7.4.6.3.1-2 of ETSI GS MEC 010-2
8			PUT & PATCH & GET & DELETE	n/a	n/a	n/a	n/a
9	Terminate application instance task /app_instances/{appInstanceId}/ terminate	Table 7.2-2 (Mm1) and Table 7.2-4 (Mm3) in clause 7.2 of ETSI GS MEC 010-2	POST	O Yes O No	n/a	Table 7.4.7.3.1-2 of ETSI GS MEC 010-2 TerminateAppRequest Table 6.2.2.9.2-1 of ETSI GS MEC 010-2	Table 7.4.7.3.1-2 of ETSI GS MEC 010-2
10			PUT & PATCH & GET & DELETE	n/a	n/a	n/a	n/a
11	Operate application instance task /app_instances/{appInstanceId}/ operate	Table 7.2-2 (Mm1) and Table 7.2-4 (Mm3) in clause 7.2 of ETSI GS MEC 010-2	POST	O Yes O No	n/a	Table 7.4.8.3.1-2 of ETSI GS MEC 010-2 OperateAppRequest Table 6.2.2.8.2-1 of ETSI GS MEC 010-2	Table 7.4.8.3.1-2 of ETSI GS MEC 010-2
12			PUT & PATCH & GET & DELETE	n/a	n/a	n/a	n/a
13	Application LCM operation occurrences /app_lcm_op_occs	Table 7.2-2 (Mm1) and Table 7.2-4 (Mm3) in clause 7.2 of ETSI GS MEC 010-2	GET	O Yes O No	Table 7.4.9.3.2-1 of ETSI GS MEC 010-2	n/a	Table 7.4.9.3.2-2 of ETSI GS MEC 010-2 AppLcmOpOcc Table 6.2.2.13.2-1 of ETSI GS MEC 010-2
14			POST & PUT & PATCH & DELETE	n/a	n/a	n/a	n/a

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
15	Individual application LCM operation occurrence	Table 7.2-2 (Mm1) and Table 7.2-4 (Mm3) in clause 7.2 of ETSI GS MEC 010-2	GET	O Yes O No	n/a Table 7.4.10.3.2-1 of ETSI GS MEC 010-2	n/a	Table 7.4.10.3.2-2 of ETSI GS MEC 010-2 AppLcmOpOcc Table 6.2.2.13.2-1 of ETSI GS MEC 010-2
16	/app_lcm_op_occs/{appLcmOpOcclId}		POST & PUT & PATCH & DELETE	n/a	n/a	n/a	n/a
17	Subscriptions /subscriptions	Table 7.2-2 (Mm1) and Table 7.2-4 (Mm3) in clause 7.2 of ETSI GS MEC 010-2	POST	O Yes O No	n/a	Table 7.4.3.3.1-2 of ETSI GS MEC 010-2 AppInstSubscriptionRequest Table 6.2.2.12.2-1 of ETSI GS MEC 010-2 AppLcmOpOccSubscriptionRequestTable 6.2.2.14.2-1 of ETSI GS MEC 010-2 AppInstIdCreationSubscriptionRequest Table 6.2.2.25.2-1 of ETSI GS MEC 010-2 AppInstIdDeletionSubscriptionRequest Table 6.2.2.28.2-1 of ETSI GS MEC 010-2	Table 7.4.3.3.1-2 of ETSI GS MEC 010-2 AppInstSubscriptionInfo Table 6.2.2.10.2-1 of ETSI GS MEC 010-2 AppLcmOpOccSubscriptionInfo Table 6.2.2.15.2-1 of ETSI GS MEC 010-2 AppInstIdCreationSubscriptionInfo Table 6.2.2.26.2-1 of ETSI GS MEC 010-2 AppInstIdDeletionSubscriptionInfo Table 6.2.2.29.2-1 of ETSI GS MEC 010-2
18			GET	O Yes O No	Table 7.4.3.3.2-1 of ETSI GS MEC 010-2	Table 7.4.3.3.2-2 of ETSI GS MEC 010-2	Table 7.4.3.3.2-2 of ETSI GS MEC 010-2 AppInstanceSubscriptionLinkList Table 6.2.2.19.2-1 of ETSI GS MEC 010-2
19			PUT & PATCH & DELETE	n/a	n/a	n/a	n/a

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
20	Individual subscription /subscriptions/{subscriptionId}	Table 7.2-2 (Mm1) and Table 7.2-4 (Mm3) in clause 7.2 of ETSI GS MEC 010-2	GET	<input type="radio"/> Yes <input type="radio"/> No	Table 7.4.4.3.2-1 of ETSI GS MEC 010-2	Table 7.4.4.3.2-2 of ETSI GS MEC 010-2	Table 7.4.4.3.2-2 of ETSI GS MEC 010-2 AppInstSubscriptionInfo Table 6.2.2.10.2-1 of ETSI GS MEC 010-2 AppLcmOpOccSubscriptionInfo Table 6.2.2.15.2-1 of ETSI GS MEC 010-2 AppInstIdCreationSubscriptionInfo Table 6.2.2.26.2-1 of ETSI GS MEC 010-2 AppInstIdDeletionSubscriptionInfo Table 6.2.2.29.2-1 of ETSI GS MEC 010-2
21			DELETE	<input type="radio"/> Yes <input type="radio"/> No	n/a	Table 7.4.4.3.4-2 of ETSI GS MEC 010-2	Table 7.4.4.3.4-2 of ETSI GS MEC 010-2
22			POST & PUT & PATCH	n/a	n/a	n/a	n/a
23	Application LCM operation cancel /app_lcm_op_occs/{appLcmOpOcclId}/cancel	Table 7.2-2 (Mm1) and Table 7.2-4 (Mm3) in clause 7.2 of ETSI GS MEC 010-2	POST	<input type="radio"/> Yes <input type="radio"/> No	n/a	Table 7.4.11.3.1-2 of ETSI GS MEC 010-2 CancelMode Table 6.2.2.32.2-1 of ETSI GS MEC 010-2	n/a Table 7.4.11.3.1-2 of ETSI GS MEC 010-2
24			PUT & PATCH & GET & DELETE	n/a	n/a	n/a	n/a
25	Application LCM operation fail /app_lcm_op_occs/{appLcmOpOcclId}/fail	Table 7.2-2 (Mm1) and Table 7.2-4 (Mm3) in clause 7.2 of ETSI GS MEC 010-2	POST	<input type="radio"/> Yes <input type="radio"/> No	n/a	Table 7.4.12.3.1-2 of ETSI GS MEC 010-2	Table 7.4.12.3.1-2 of ETSI GS MEC 010-2 AppLcmOpOcc Table 6.2.2.13.2-1 of ETSI GS MEC 010-2

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
26			PUT & PATCH & GET & DELETE	n/a	n/a	n/a	n/a
27	Application LCM operation retry	Table 7.2-2 (Mm1) and Table 7.2-4 (Mm3) in clause 7.2 of ETSI GS MEC 010-2	POST	<input type="radio"/> Yes <input type="radio"/> No	n/a	Table 7.4.13.3.1-2 of ETSI GS MEC 010-2	Table 7.4.13.3.1-2 of ETSI GS MEC 010-2
28	/app_lcm_op_occs/{appLcmOpOcclId}/retry	Table 7.2-2 (Mm1) and Table 7.2-4 (Mm3) in clause 7.2 of ETSI GS MEC 010-2	PUT & PATCH & GET & DELETE	n/a	n/a	n/a	n/a

The list of Implementation Conformance Statements for App Lifecycle Management notifications is defined in Table A.5.2.2-5.

Table A.5.2.2-5: Application life cycle management notification call-backs (Mm1, Mm3 and Mm3*)

ID	Client provided callback reference	Reference	HTTP Method	Support	Request Body
1			GET, PUT, PATCH & DELETE	n/a	n/a
2	Notification endpoint	Table 7.2-2 (Mm1) and Table 7.2-4 (Mm3) in clause 7.2 of ETSI GS MEC 010-2	POST	<input type="radio"/> Yes <input type="radio"/> No	Table 7.4.5.3.1-2 of ETSI GS MEC 010-2 AppInstNotification Table 6.2.2.11.2-1 of ETSI GS MEC 010-2 AppLcmOpOccNotification Table 6.2.2.16.2-1 of ETSI GS MEC 010-2 AppInstanceIdentifierCreationNotification Table 6.2.2.27.2-1 of ETSI GS MEC 010-2 AppInstanceIdentifierDeletionNotification Table 6.2.2.30.2-1 of ETSI GS MEC 010-2

Table A.5.2.2-6 defines the list of Implementation Conformance Statements for the granting features addressed in the MEC APIs for Application Life Cycle Management on Mm3 reference point.

Table A.5.2.2-6: Granting for application life cycle management operations (Mm3)

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
1	Grants /grants	Table 7.2-5 in clause 7.2 of ETSI GS MEC 010-2	POST	O Yes O No	n/a	Table 7.5.1.3.1-2 of ETSI GS MEC 010-2 GrantRequest Table 6.2.4.2.2-1 of ETSI GS MEC 010-2	Table 7.5.1.3.1-2 of ETSI GS MEC 010-2 Grant Table 6.2.4.4.2-1 of ETSI GS MEC 010-2
2			GET, PUT, PATCH & DELETE	n/a	n/a	n/a	n/a
3	Individual grant /grants/{grantId}	Table 7.2-5 in clause 7.2 of ETSI GS MEC 010-2	GET	O Yes O No	n/a Table 7.5.2.3.2-1 of ETSI GS MEC 010-2	n/a	Table 7.5.2.3.2-2 of ETSI GS MEC 010-2 Grant Table 6.2.4.4.2-1 of ETSI GS MEC 010-2
4			POST, PUT, PATCH & DELETE	n/a	n/a	n/a	n/a

Table A.5.2.2-7 defines the list of Implementation Conformance Statements for the features addressed in the MEC APIs for Application Life Cycle Management on Mm3* reference point.

Table A.5.2.2-7: Application life cycle management (Mm3*)

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
1	application instances /app_instances	Table 7.2-6 (Mm3*) in clause 7.2 of ETSI GS MEC 010-2	GET	O Yes O No	Table 7.4.1.3.2-1 of ETSI GS MEC 010-2	n/a	Table 7.4.1.3.2-2 of ETSI GS MEC 010-2 AppInstanceInfo Table 6.2.2.4.2-1 of ETSI GS MEC 010-2
2			POST	O Yes O No	n/a	Table 7.4.1.3.1-2 of ETSI GS MEC 010-2 CreateAppInstanceRequest Table 6.2.2.3.2-1 of ETSI GS MEC 010-2	Table 7.4.1.3.1-2 of ETSI GS MEC 010-2 AppInstanceInfo Table 6.2.2.4.2-1 of ETSI GS MEC 010-2

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
3			PUT, PATCH & DELETE	n/a	n/a	n/a	n/a
4	Individual application instance	Table 7.2-6 (Mm3*) in clause 7.2 of ETSI GS MEC 010-2	GET	O Yes O No	n/a	n/a	Table 7.4.2.3.2-2 of ETSI GS MEC 010-2 AppInstanceInfo Table 6.2.2.4.2-1 of ETSI GS MEC 010-2
5	/app_instances/{appInstanceId}		DELETE	O Yes O No	n/a	Table 7.4.2.3.4-2 of ETSI GS MEC 010-2	Table 7.4.2.3.4-2 of ETSI GS MEC 010-2
6			POST & PATCH	n/a	n/a	n/a	n/a
7	Configure application instance task	Table 7.2-6 (Mm3*) in clause 7.2 of ETSI GS MEC 010-2	POST	O Yes O No	n/a	Table 7.7.6.3.1-2 of ETSI GS MEC 010-2 ConfigPlatformForA ppRequest Table 6.2.2.21.2-1 of ETSI GS MEC 010-2	Table 7.7.6.3.1-2 of ETSI GS MEC 010-2
8	/app_instances/{appInstanceId}/configure_pl atform_for_app		PUT & PATCH & GET & DELETE	n/a	n/a	n/a	n/a
9	Terminate application instance task	Table 7.2-6 (Mm3*) in clause 7.2 of ETSI GS MEC 010-2	POST	O Yes O No	n/a	Table 7.4.7.3.1-2 of ETSI GS MEC 010-2 TerminateAppReque st Table 6.2.2.9.2-1 of ETSI GS MEC 010-2	Table 7.4.7.3.1-2 of ETSI GS MEC 010-2
10	/app_instances/{appInstanceId}/terminate		PUT & PATCH & GET & DELETE	n/a	n/a	n/a	n/a
11	Operate application instance task	Table 7.2-6 (Mm3*) in clause 7.2 of ETSI GS MEC 010-2	POST	O Yes O No	n/a	Table 7.4.8.3.1-2 of ETSI GS MEC 010-2 OperateAppRequest Table 6.2.2.8.2-1 of ETSI GS MEC 010-2	Table 7.4.8.3.1-2 of ETSI GS MEC 010-2
12	/app_instances/{appInstanceId}/operate		PUT & PATCH & GET & DELETE	n/a	n/a	n/a	n/a

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
13	Application LCM operation occurrences	Table 7.2-6 (Mm3*) in clause 7.2 of ETSI GS MEC 010-2	GET	O Yes O No	Table 7.4.9.3.2-1 of ETSI GS MEC 010-2	n/a	Table 7.4.9.3.2-2 of ETSI GS MEC 010-2 AppLcmOpOcc Table 6.2.2.13.2-1 of ETSI GS MEC 010-2
14	/app_lcm_op_occs		POST & PUT & PATCH & DELETE	n/a	n/a	n/a	n/a
15	Individual application LCM operation occurrence	Table 7.2-6 (Mm3*) in clause 7.2 of ETSI GS MEC 010-2	GET	O Yes O No	Table 7.4.10.3.2-1 of ETSI GS MEC 010-2	n/a	Table 7.4.10.3.2-2 of ETSI GS MEC 010-2 AppLcmOpOcc Table 6.2.2.13.2-1 of ETSI GS MEC 010-2
16	/app_lcm_op_occs/{appLcmOpOcclId}		POST & PUT & PATCH & DELETE	n/a	n/a	n/a	n/a
17	Subscriptions /subscriptions	Table 7.2-6 (Mm3*) in clause 7.2 of ETSI GS MEC 010-2	POST	O Yes O No	n/a	Table 7.4.3.3.1-2 of ETSI GS MEC 010-2 AppInstSubscription Request Table 6.2.2.12.2-1 of ETSI GS MEC 010-2 AppLcmOpOccSubs criptionRequest Table 6.2.2.14.2-1 of ETSI GS MEC 010-2 AppInstIdCreationSu bscriptionRequest Table 6.2.2.25.2-1 of ETSI GS MEC 010-2 AppInstIdDeletionSu bscriptionRequest Table 6.2.2.28.2-1 of ETSI GS MEC 010-2	Table 7.4.3.3.1-2 of ETSI GS MEC 010-2 AppInstSubscriptionInfo Table 6.2.2.10.2-1 of ETSI GS MEC 010-2 AppLcmOpOccSubscrip tionInfo Table 6.2.2.15.2-1 of ETSI GS MEC 010-2 AppInstIdCreationSubsc riptionInfo Table 6.2.2.26.2-1 of ETSI GS MEC 010-2 AppInstIdDeletionSubsc riptionInfo Table 6.2.2.29.2-1 of ETSI GS MEC 010-2

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
18			GET	O Yes O No	Table 7.4.3.3.2-1 of ETSI GS MEC 010-2	Table 7.4.3.3.2-2 of ETSI GS MEC 010-2	Table 7.4.3.3.2-2 of ETSI GS MEC 010-2 AppInstanceSubscriptionLinkList Table 6.2.2.19.2-1 of ETSI GS MEC 010-2
19			PUT & PATCH & DELETE	n/a	n/a	n/a	n/a
20	Individual subscription /subscriptions/{subscriptionId}	Table 7.2-6 (Mm3*) in clause 7.2 of ETSI GS MEC 010-2	GET	O Yes O No	Table 7.4.4.3.2-1 of ETSI GS MEC 010-2	Table 7.4.4.3.2-2 of ETSI GS MEC 010-2	Table 7.4.4.3.2-2 of ETSI GS MEC 010-2 AppInstSubscriptionInfo Table 6.2.2.10.2-1 of ETSI GS MEC 010-2 AppLcmOpOccSubscriptionInfo Table 6.2.2.15.2-1 of ETSI GS MEC 010-2 AppInstIdCreationSubscriptionInfo Table 6.2.2.26.2-1 of ETSI GS MEC 010-2 AppInstIdDeletionSubscriptionInfo Table 6.2.2.29.2-1 of ETSI GS MEC 010-2
21			DELETE	O Yes O No	n/a	Table 7.4.4.3.4-2 of ETSI GS MEC 010-2	Table 7.4.4.3.4-2 of ETSI GS MEC 010-2
22			POST & PUT & PATCH	n/a	n/a	n/a	n/a
23	Application LCM operation cancel /app_lcm_op_occs/{appLcmOpOcclId}/cancel	Table 7.2-6 (Mm3*) in clause 7.2 of ETSI GS MEC 010-2	POST	O Yes O No	n/a	Table 7.4.11.3.1-2 of ETSI GS MEC 010-2 CancelMode Table 6.2.2.32.2-1 of ETSI GS MEC 010-2	n/a Table 7.4.11.3.1-2 of ETSI GS MEC 010-2
24			PUT & PATCH & GET & DELETE	n/a	n/a	n/a	n/a

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
25	Application LCM operation fail /app_lcm_op_occs/{appLcmOpOcclId}/fail	Table 7.2-6 (Mm3*) in clause 7.2 of ETSI GS MEC 010-2	POST	O Yes O No	n/a	Table 7.4.12.3.1-2 of ETSI GS MEC 010-2	Table 7.4.12.3.1-2 of ETSI GS MEC 010-2 AppLcmOpOcc Table 6.2.2.13.2-1 of ETSI GS MEC 010-2
26			PUT & PATCH & GET & DELETE	n/a	n/a	n/a	n/a
27	Application LCM operation retry	Table 7.2-6 (Mm3*) in clause 7.2 of ETSI GS MEC 010-2	POST	O Yes O No	n/a	Table 7.4.13.3.1-2 of ETSI GS MEC 010-2	Table 7.4.13.3.1-2 of ETSI GS MEC 010-2
28	/app_lcm_op_occs/{appLcmOpOcclId}/retry		PUT & PATCH & GET & DELETE	n/a	n/a	n/a	n/a

A.5.3 ETSI GS MEC 011

A.5.3.1 Test Requirements

ETSI GS MEC 002, clause 6.2, defines the Platform essential MEC services. Upon analysis of such features, no specific test requirements were deemed necessary to improve the conformance and interoperability levels. Therefore Table A.5.3.1-1 contains no information.

Table A.5.3.1-1: Classification of requirements for the Platform services

Feature	Requirement ID	Requirement description	Reference
Platform	n/a	n/a	n/a

A.5.3.2 ICS

Table A.5.3.2-1 defines the list of Implementation Conformance Statements for the features addressed in the MEC Application Support API.

Table A.5.3.2-1: Manage a specific item in MEC Application Support API

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
1	all mecAppSupportSub scription of a subscriber	Clause 7.2.3 of ETSI GS MEC 011	GET	O Yes O No	n/a	n/a	SubscriptionLinkList Table 6.2.2-1 of ETSI GS MEC 011
2			POST	O Yes O No	n/a	AppTerminationNotificati onSubscription Table 7.1.3.2-1 of ETSI GS MEC 011	AppTerminationNotificati onSubscription Table 7.1.3.2-1 of ETSI GS MEC 011
3			PUT, PATCH & DELETE	n/a	n/a	n/a	n/a
4	Individual mecAppSupportSub scription	Clause 7.2.4 of ETSI GS MEC 011	GET	O Yes O No	n/a	n/a	AppTerminationNotification Subscription Table 7.1.3.2-1 of ETSI GS MEC 011
5			DELETE	O Yes O No	n/a	n/a	n/a
6			PUT, PATCH & POST	n/a	n/a	n/a	n/a
3	Application Notifications	Clause 5.2.3 of ETSI GS MEC 011	POST	O Yes O No	n/a	AppTerminationNotification Table 7.1.4.2-1 of ETSI GS MEC 011	n/a
4			GET, PUT, PATCH & DELETE	n/a	n/a	n/a	n/a
5	Timing capabilities	Clause 7.2.5 of ETSI GS MEC 011	GET	O Yes O No	n/a	n/a	TimingCaps Table 7.1.2.4-1 of ETSI GS MEC 011
6			PUT, PATCH, POST & DELETE	n/a	n/a	n/a	n/a
7	Current time	Clause 7.2.6 of ETSI GS MEC 011	GET	O Yes O No	n/a	n/a	CurrentTime Table 7.1.2.5-1 of ETSI GS MEC 011
8			PUT, PATCH, POST & DELETE	n/a	n/a	n/a	n/a
9	all mecTrafficRule of an application instance	Clause 7.2.7 of ETSI GS MEC 011	GET	O Yes O No	n/a	n/a	TrafficRule Table 7.1.2.2-1 of ETSI GS MEC 011
10			PUT, PATCH, POST & DELETE	n/a	n/a	n/a	n/a

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
15	individual mecTrafficRule	Clause 7.2.8 of ETSI GS MEC 011	GET	O Yes O No	n/a	n/a	TrafficRule Table 7.1.2.2-1 of ETSI GS MEC 011
16			PUT	O Yes O No	n/a	TrafficRule Table 7.1.2.2-1 of ETSI GS MEC 011	TrafficRule Table 7.1.2.2-1 of ETSI GS MEC 011
17			POST, PATCH & DELETE	n/a	n/a	n/a	n/a
18	all mecDnsRule of an application instance	Clause 7.2.9 of ETSI GS MEC 011	GET	O Yes O No	n/a	n/a	DnsRule Table 7.1.2.3-1 of ETSI GS MEC 011
19			PUT, PATCH, POST & DELETE	n/a	n/a	n/a	n/a
20	individual mecDnsRule	Clause 7.2.10 of ETSI GS MEC 011	GET	O Yes O No	n/a	n/a	DnsRule Table 7.1.2.3-1 of ETSI GS MEC 011
21			PUT	O Yes O No	n/a	DnsRule Table 7.1.2.3-1 of ETSI GS MEC 011	DnsRule Table 7.1.2.3-1 of ETSI GS MEC 011
22			POST, PATCH & DELETE	n/a	n/a	n/a	n/a
23	confirm termination	Clause 7.2.11 of ETSI GS MEC 011	POST	O Yes O No	n/a	AppTerminationConfirmation Table 7.1.4.3-1 of ETSI GS MEC 011	n/a
24			GET, PUT, PATCH & DELETE	n/a	n/a	n/a	n/a
25	confirm ready	Clause 7.2.12 of ETSI GS MEC 011	POST	O Yes O No	n/a	AppReadyConfirmation Table 7.1.4.4-1 of ETSI GS MEC 011	n/a
26			GET, PUT, PATCH & DELETE	n/a	n/a	n/a	n/a
27	MEC application instance registration	Clause 7.2.13 of ETSI GS MEC 011	POST	O Yes O No	n/a	AppInfo Table 7.1.2.6-1 of ETSI GS MEC 011	AppInfo Table 7.1.2.6-1 of ETSI GS MEC 011
28			GET, PUT, PATCH & DELETE	n/a	n/a	n/a	n/a
29	Existing MEC application instance registration	Clause 7.2.14 of ETSI GS MEC 011	GET	O Yes O No	n/a	n/a	AppInfo Table 7.1.2.6-1 of ETSI GS MEC 011
30			PUT	O Yes O No	n/a	AppInfo Table 7.1.2.6-1 of ETSI GS MEC 011	n/a
31			DELETE	O Yes O No	n/a	n/a	n/a
32			POST & PATCH	n/a	n/a	n/a	n/a

Table A.5.3.2-2 defines the list of Implementation Conformance Statements for the features addressed in the MEC Service Management API.

Table A.5.3.2-2: Manage a specific item in MEC Service Management API

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
1	a list of mecService	Clause 8.2.3 of ETSI GS MEC 011	GET	O Yes O No	Table 8.2.3.3.1-1 of ETSI GS MEC 011	n/a	ServiceInfo Table 8.1.2.2-1 of ETSI GS MEC 011
2			POST, PATCH & DELETE	n/a	n/a	n/a	n/a
3	individual mecService	Clause 8.2.4 of ETSI GS MEC 011	GET	O Yes O No	n/a	n/a	ServiceInfo Table 8.1.2.2-1 of ETSI GS MEC 011
4			PUT, POST, PATCH & DELETE	n/a	n/a	n/a	n/a
5	a list of mecTransport	Clause 8.2.5 of ETSI GS MEC 011	GET	O Yes O No	n/a	n/a	TransportInfo Table 8.1.2.3-1 of ETSI GS MEC 011
6			PUT, POST, PATCH & DELETE	n/a	n/a	n/a	n/a
7	a list of mecService of an application instance	Clause 8.2.6 of ETSI GS MEC 011	GET	O Yes O No	Table 8.2.6.3.1-1 of ETSI GS MEC 011	n/a	ServiceInfo Table 8.1.2.2-1 of ETSI GS MEC 011
8			POST	O Yes O No	n/a	ServiceInfo Table 8.1.2.2-1 of ETSI GS MEC 011	ServiceInfo Table 8.1.2.2-1 of ETSI GS MEC 011
9			POST, PATCH & DELETE	n/a	n/a	n/a	n/a
10	individual mecService of an application instance	Clause 8.2.7 of ETSI GS MEC 011	GET	O Yes O No	n/a	n/a	ServiceInfo Table 8.1.2.2-1 of ETSI GS MEC 011
11			PUT	O Yes O No	n/a	ServiceInfo Table 8.1.2.2-1 of ETSI GS MEC 011	ServiceInfo Table 8.1.2.2-1 of ETSI GS MEC 011
12			DELETE	O Yes O No	n/a	n/a	n/a
13			PUT & PATCH	n/a	n/a	n/a	n/a

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
14	all mecSrvMgmtSubscription	Clause 8.2.8 of ETSI GS MEC 011	GET	O Yes O No	n/a	n/a	SubscriptionLinkList Table 6.2.2-1 of ETSI GS MEC 011
15			POST	O Yes O No	n/a	SerAvailabilityNotification Subscription Table 8.1.3.2-1 of ETSI GS MEC 011	SerAvailabilityNotificationSubscription Table 8.1.3.2-1 of ETSI GS MEC 011
16			DELETE, PUT & PATCH	n/a	n/a	n/a	n/a
17	individual mecSrvMgmtSubscription	Clause 8.2.9 of ETSI GS MEC 011	GET	O Yes O No	n/a	n/a	SerAvailabilityNotificationSubscription Table 8.1.3.2-1 of ETSI GS MEC 011
18			DELETE	O Yes O No	n/a	n/a	n/a
19			POST, PATCH & DELETE	n/a	n/a	n/a	n/a
20	individual mecServiceLiveness	Clause 8.2.10 of ETSI GS MEC 011	GET	O Yes O No	n/a	n/a	ServiceLivenessInfo Table 8.1.2.4-1 of ETSI GS MEC 011
21			PATCH	O Yes O No	n/a	ServiceLivenessUpdate Table 8.1.2.5-1 of ETSI GS MEC 011	ServiceLivenessInfo Table 8.1.2.4-1 of ETSI GS MEC 011
22			PUT, POST & DELETE	n/a	n/a	n/a	n/a

A.5.4 ETSI GS MEC 012

A.5.4.1 Test Requirements

Table A.5.4.1-1 reports the functional requirements of the RNI service, as derived from the API definition in ETSI GS MEC 012.

Table A.5.4.1-1: RNIS requirements

Requirement ID	Requirement description	Reference
Mec032.RNI.query.01	When the MEC system supports the feature RadioNetworkInformation, there shall be a RNI service that provides cell level Radio Access Bearer information on request.	ETSI GS MEC 012, clauses 5.2.2 and 7.3.3
Mec032.RNI.query.02	When the MEC system supports the feature RadioNetworkInformation, there shall be a RNI service that provides cell level Public Land Mobile Network (PLMN) information related to a specific MEC application instance on request.	ETSI GS MEC 012, clauses 5.2.3 and 7.4.3
Mec032.RNI.query.03	When the MEC system supports the feature RadioNetworkInformation, there shall be a RNI service that provides S1 bearer information on request.	ETSI GS MEC 012, clauses 5.2.4 and 7.5.3
Mec032.RNI.query.04	When the MEC system supports the feature RadioNetworkInformation, there shall be a RNI service that provides Layer 2 measurements information on request.	ETSI GS MEC 012, clauses 5.2.4a and 7.5a.3
Mec032.RNI.subscription.01	When the MEC system supports the feature RadioNetworkInformation, there shall be a RNI service that support requests for subscribing to RNI event notifications.	ETSI GS MEC 012, clauses 5.2.5.1 and 7.6.3.4
Mec032.RNI.subscription.02	When the MEC system supports the feature RadioNetworkInformation, the RNI service may trigger notifications about subscriptions expiration.	ETSI GS MEC 012, clauses 5.2.5.2 and 6.4.9
Mec032.RNI.subscription.03	When the MEC system supports the feature RadioNetworkInformation, the RNI service shall support requests to modify the subscriptions to RNI event notifications.	ETSI GS MEC 012, clauses 5.2.5.3 and 7.8.3.2
Mec032.RNI.subscription.04	When the MEC system supports the feature RadioNetworkInformation, the RNI service shall support requests to delete the subscriptions to RNI event notifications.	ETSI GS MEC 012, clauses 5.2.5.4 and 7.8.3.5
Mec032.RNI.subscription.05	When the MEC system supports the feature RadioNetworkInformation, the RNI service shall support requests to query all the active subscriptions to RNI event notifications for the given requestor.	ETSI GS MEC 012, clause 7.6.3.1
Mec032.RNI.subscription.06	When the MEC system supports the feature RadioNetworkInformation, the RNI service shall support requests to retrieve information about an existing subscription to RNI event notifications.	ETSI GS MEC 012, clauses 7.8.3.1
Mec032.RNI.notification.01	When the MEC system supports the feature RadioNetworkInformation, the RNI service shall send RNI event notifications about cell changes to service consumers with active subscriptions.	ETSI GS MEC 012, clauses 5.2.6 and 6.4.2
Mec032.RNI.notification.02	When the MEC system supports the feature RadioNetworkInformation, the RNI service shall send RNI event notifications about Radio Access Bearer establishment to service consumers with active subscriptions.	ETSI GS MEC 012, clauses 5.2.7 and 6.4.3
Mec032.RNI.notification.03	When the MEC system supports the feature RadioNetworkInformation, the RNI service shall send RNI event notifications about Radio Access Bearer modification to service consumers with active subscriptions.	ETSI GS MEC 012, clauses 5.2.8 and 6.4.4
Mec032.RNI.notification.04	When the MEC system supports the feature RadioNetworkInformation, the RNI service shall send RNI event notifications about Radio Access Bearer release to service consumers with active subscriptions.	ETSI GS MEC 012, clauses 5.2.9 and 6.4.5

Requirement ID	Requirement description	Reference
Mec032.RNI.notification.05	When the MEC system supports the feature RadioNetworkInformation, the RNI service shall send RNI event notifications about UE measurement reports to service consumers with active subscriptions.	ETSI GS MEC 012, clauses 5.2.10 and 6.4.6
Mec032.RNI.notification.06	When the MEC system supports the feature RadioNetworkInformation, the RNI service shall send RNI event notifications about UE timing advance to service consumers with active subscriptions.	ETSI GS MEC 012, clauses 5.2.11 and 6.4.7
Mec032.RNI.notification.07	When the MEC system supports the feature RadioNetworkInformation, the RNI service shall send RNI event notifications about carrier aggregation reconfiguration to service consumers with active subscriptions.	ETSI GS MEC 012, clauses 5.2.12 and 6.4.8
Mec032.RNI.notification.08	When the MEC system supports the feature RadioNetworkInformation, the RNI service shall send RNI event notifications about S1 bearer to service consumers with active subscriptions.	ETSI GS MEC 012, clauses 5.2.13 and 6.4.10
Mec032.RNI.notification.09	When the MEC system supports the feature RadioNetworkInformation, the RNI service shall send RNI event notifications about 5G NR UE measurement reports to service consumers with active subscriptions.	ETSI GS MEC 012, clauses 5.2.14 and 6.4.11

A.5.4.2 ICS

The list of Implementation Conformance Statements for RNIS queries is defined in Table A.5.4.2-1.

Table A.5.4.2-1: RNIS simple queries

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
1	/queries/rab_info	Clause 7.3 of ETSI GS MEC 012	GET	O Yes O No	Table 7.3.3.1-1 of ETSI GS MEC 012	n/a	Table 7.3.3.1-2 of ETSI GS MEC 012 RabInfo (clause 6.2.3 of ETSI GS MEC 012)
2			PUT, PATCH, POST & DELETE	n/a	n/a	n/a	n/a
3	/queries/plmn_info	Clause 7.4 of ETSI GS MEC 012	GET	O Yes O No	Table 7.4.3.1-1 of ETSI GS MEC 012	n/a	Table 7.4.3.1-2 of ETSI GS MEC 012 PlmnInfo (clause 6.2.2 of ETSI GS MEC 012)
4			PUT, PATCH, POST & DELETE	n/a	n/a	n/a	n/a
5	/queries/s1_bearer_info	Clause 7.5 of ETSI GS MEC 012	GET	O Yes O No	Table 7.5.3.1-1 of ETSI GS MEC 012	n/a	Table 7.5.3.1-2 of ETSI GS MEC 012 S1BearerInfo (clause 6.2.4 of ETSI GS MEC 012)
6			PUT, PATCH, POST & DELETE	n/a	n/a	n/a	n/a
7	/queries/layer2_meas	Clause 7.5a of ETSI GS MEC 012	GET	O Yes O No	Table 7.5a.3.1-1 of ETSI GS MEC 012	n/a	Table 7.5a.3.1-2 of ETSI GS MEC 012 L2Meas (clause 6.4.2a of ETSI GS MEC 012)
8			PUT, PATCH, POST & DELETE	n/a	n/a	n/a	n/a

The list of Implementation Conformance Statements for RNIS subscription is defined in Table A.5.4.2-2 (subscriptions list) and in Table A.5.4.2-3 (individual subscriptions).

Table A.5.4.2-2: All subscriber's subscriptions

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
1	/subscriptions	Clause 7.6 of ETSI GS MEC 012	GET	O Yes O No	Table 7.6.3.1-1 of ETSI GS MEC 012	n/a	Table 7.6.3.1-2 of ETSI GS MEC 012 SubscriptionLinkList (clause 6.3.10 of ETSI GS MEC 012)
2			POST	O Yes O No	n/a	Table 7.6.3.4-1 of ETSI GS MEC 012 NotificationSubscription (clause 6.3.2-11 of ETSI GS MEC 012)	Table 7.6.3.4-1 of ETSI GS MEC 012 NotificationSubscription (clause 6.3.2-11 of ETSI GS MEC 012)
3			PUT, PATCH, POST & DELETE	n/a	n/a	n/a	n/a

Table A.5.4.2-3: Individual subscriptions

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body	
1	subscriptions/{subscriptionId}	Clause 7.8 of ETSI GS MEC 012	GET	O Yes O No	n/a	n/a	Table 7.8.3.1-2 of ETSI GS MEC 012 NotificationSubscription (clause 6.3.2-11 of ETSI GS MEC 012)	
2			PUT	O Yes O No	n/a	Table 7.8.3.2-2 of ETSI GS MEC 012 NotificationSubscription (clause 6.3.2-11 of ETSI GS MEC 012)	Table 7.8.3.2-2 of ETSI GS MEC 012 NotificationSubscription (clause 6.3.2-11 of ETSI GS MEC 012)	
3			DELETE	O Yes O No	n/a	n/a	Table 7.8.3.5-2 of ETSI GS MEC 012	Table 7.8.3.5-2 of ETSI GS MEC 012
4			POST & PATCH	n/a	n/a	n/a	n/a	

The list of Implementation Conformance Statements for RNIS notification is defined in Table A.5.4.2-4.

Table A.5.4.2-4: Notification callback

ID	Client provided callback reference	Reference	HTTP Method	Support	Request Body
1	cell_change	Clause 6.4.2 & Table 7.2-1 of ETSI GS MEC 012	GET, PUT, PATCH & DELETE	n/a	n/a
2			POST	O Yes O No	CellChangeNotification (clause 6.4.2 of ETSI GS MEC 012)
3	rab_est	Clause 6.4.3 & Table 7.2-1 of ETSI GS MEC 012	GET, PUT, PATCH & DELETE	n/a	n/a
4			POST	O Yes O No	RabEstNotification (clause 6.4.3 of ETSI GS MEC 012)
5	rab_mod	Clause 6.4.4 & Table 7.2-1 of ETSI GS MEC 012	GET, PUT, PATCH & DELETE	n/a	n/a
6			POST	O Yes O No	RabModNotification (clause 6.4.4 of ETSI GS MEC 012)
7	rab_rel	Clause 6.4.5 & Table 7.2-1 of ETSI GS MEC 012	GET, PUT, PATCH & DELETE	n/a	n/a
8			POST	O Yes O No	RabRelNotification (clause 6.4.5 of ETSI GS MEC 012)
9	meas_rep_ue	Clause 6.4.6 & Table 7.2-1 of ETSI GS MEC 012	GET, PUT, PATCH & DELETE	n/a	n/a
10			POST	O Yes O No	MeasRepUeNotification (clause 6.4.6 of ETSI GS MEC 012)
11	ta	Clause 6.4.7 & Table 7.2-1 of ETSI GS MEC 012	GET, PUT, PATCH & DELETE	n/a	n/a
12			POST	O Yes O No	MeasTaNotification (clause 6.4.7 of ETSI GS MEC 012)
13	ca_reconf	Clause 6.4.8 & Table 7.2-1 of ETSI GS MEC 012	GET, PUT, PATCH & DELETE	n/a	n/a
14			POST	O Yes O No	CaReConfNotification (clause 6.4.8 of ETSI GS MEC 012)
15	s1_bearer	Clause 6.4.10 & Table 7.2-1 of ETSI GS MEC 012	GET, PUT, PATCH & DELETE	n/a	n/a
16			POST	O Yes O No	S1BearerNotification (clause 6.4.10 of ETSI GS MEC 012)
17	nr_meas_rep_ue	Clause 6.4.11 & Table 7.2-1 of ETSI GS MEC 012	GET, PUT, PATCH & DELETE	n/a	n/a
18			POST	O Yes O No	NrMeasRepUeNotification (clause 6.4.11 of ETSI GS MEC 012)
19	ExpiryNotification	Clause 6.4.9 of ETSI GS MEC 012	GET, PUT, PATCH & DELETE	n/a	n/a
20			POST	O Yes O No	ExpiryNotification (clause 6.4.9 of ETSI GS MEC 012)

A.5.5 ETSI GS MEC 013

A.5.5.1 Test Requirements

ETSI GS MEC 002, clause 6.3.4, defines the features for the Location service. Upon analysis of such features, the following list of requirements was collected, including provisions that are not explicitly marked but which can be tested to improve conformance and interoperability levels. These requirements are defined in Table A.5.5.1-1.

Table A.5.5.1-1: Classification of requirements for the Feature "LocationService"

Requirement ID	Requirement description	Reference
MEC032.Mp1.Location.001	When the MEC system supports the feature LocationService, there shall be a MEC service that provides UE Information pertaining to one or more UEs in a particular location.	ETSI GS MEC 013, clauses 5.3.3 and 6.2.2
MEC032.Mp1.Location.002	When the MEC system supports the feature LocationService, there shall be a MEC service that allows the subscription of notifications about location information changes of a specific UE or a group of UEs.	ETSI GS MEC 013, clauses 5.3.4 and 6.3.4
MEC032.Mp1.Location.003	When the MEC system supports the feature LocationService, there shall be a MEC service that provides notifications on location information changes of a specific UE or a group of UEs. Such notifications will continue to report the subscribed information until the subscription is cancelled, or an optional specified time limit.	ETSI GS MEC 013, clauses 5.3.4 and 6.4.4
MEC032.Mp1.Location.004	When the MEC system supports the feature LocationService, there shall be a MEC service that allows to cancel the subscription on notifications for location information changes.	ETSI GS MEC 013, clauses 5.3.4 and 6.3.4
MEC032.Mp1.Location.005	When the MEC system supports the feature LocationService, there shall be a MEC service that allows the subscription of notifications about UE information updates for a specified UE.	ETSI GS MEC 013, clauses 5.3.5 and 6.3.4
MEC032.Mp1.Location.006	When the MEC system supports the feature LocationService, there shall be a MEC service that allows the subscription of notifications about UE information updates for the list of UEs in a particular location.	ETSI GS MEC 013, clauses 5.3.5 and 6.3.8
MEC032.Mp1.Location.007	When the MEC system supports the feature LocationService, there shall be a MEC service which provides notifications on UE information changes. Such notifications will continue to report the subscribed information until the subscription is cancelled.	ETSI GS MEC 013, clauses 5.3.5 and 6.4.8
MEC032.Mp1.Location.008	When the MEC system supports the feature LocationService, there shall be a MEC service that allows to cancel the subscription on notifications for UE information updates.	ETSI GS MEC 013, clauses 5.3.5 and 6.3.8
MEC032.Mp1.Location.009	When the MEC system supports the feature LocationService, there shall be a MEC service that provides the current distance of a specific UE to a geographical location, or another UE.	ETSI GS MEC 013, clause 5.3.9 and 6.2.3
MEC032.Mp1.Location.010	When the MEC system supports the feature LocationService, there shall be a MEC service that allows the subscription of notifications about the up-to-date distance for a specific UE to a geographical location, or another UE. Such notifications will continue to report the subscribed information until the subscription is cancelled.	ETSI GS MEC 013, clauses 5.3.10 and 6.4.9
MEC032.Mp1.Location.011	When the MEC system supports the feature LocationService, there shall be a MEC service that allows to cancel the subscription on notifications for UE distance updates.	ETSI GS MEC 013, clauses 5.3.10 and 6.4.9

Requirement ID	Requirement description	Reference
MEC032.Mp1.Location.012	When the MEC system supports the feature LocationService, there shall be a MEC service that allows the subscription of UE movement notifications in relation to a geographic area. Such notifications will continue to report the subscribed information until the subscription is cancelled.	ETSI GS MEC 013, clauses 5.3.11 and 6.3.8
MEC032.Mp1.Location.013	When the MEC system supports the feature LocationService, there shall be a MEC service that allows to cancel the subscription on notifications for UE movement updates.	ETSI GS MEC 013, clauses 5.3.11 and 6.4.8

A.5.5.2 ICS

Table A.5.5.2-1 defines the list of Implementation Conformance Statements for the features addressed in the Location API.

Table A.5.5.2-1: Simple queries

ID	Resource	Reference	HTTP Method	Support	Query Parameters	Request Body	Response Body
1	users	Clause 7.4 of ETSI GS MEC 013	GET	<input type="radio"/> Yes <input type="radio"/> No	Table 7.4.3.1-1 of ETSI GS MEC 013	n/a	UserList (clause 6.2.5 of ETSI GS MEC 013)
2			POST, PUT, PATCH & DELETE	n/a	n/a	n/a	n/a
3	zones	Clause 7.7 of ETSI GS MEC 013	GET	<input type="radio"/> Yes <input type="radio"/> No	Table 7.7.3.1-1 of ETSI GS MEC 013	n/a	ZoneList (clause 6.2.1 of ETSI GS MEC 013)
4			POST, PUT, PATCH & DELETE	n/a	n/a	n/a	n/a
5	individual zone	Clause 7.8 of ETSI GS MEC 013	GET	<input type="radio"/> Yes <input type="radio"/> No	Table 7.8.3.1-1 of ETSI GS MEC 013	n/a	ZoneInfo (clause 6.2.1 of ETSI GS MEC 013)
6			PUT, PATCH, POST & DELETE	n/a	n/a	n/a	n/a
7	accessPoints	Clause 7.9 of ETSI GS MEC 013	GET	<input type="radio"/> Yes <input type="radio"/> No	Table 7.9.3.1-1 of ETSI GS MEC 013	n/a	AccessPointList (clause 6.2.1 of ETSI GS MEC 013)
8			POST, PUT, PATCH, & DELETE	n/a	n/a	n/a	n/a
9	individual accessPoint	Clause 7.10 of ETSI GS MEC 013	GET	<input type="radio"/> Yes <input type="radio"/> No	Table 7.10.3.1-1 of ETSI GS MEC 013	n/a	AccessPointInfo (clause 6.2.1 of ETSI GS MEC 013)
10			POST, PUT, PATCH, & DELETE	n/a	n/a	n/a	n/a
11	distance	Clause 7.13 of ETSI GS MEC 013	GET	<input type="radio"/> Yes <input type="radio"/> No	Table 7.13.3.1-1 of ETSI GS MEC 013	n/a	TerminalDistance (clause 6.2.1A of ETSI GS MEC 013)
12			POST, PUT, PATCH & DELETE	n/a	n/a	n/a	n/a

Table A.5.5.2-2 defines the list of Implementation Conformance Statements for the instances of every feature addressed in the Location API.

Table A.5.5.2-2: Manage a specific item

ID	Resource	Reference	HTTP Method	Support	Query Parameters	Request Body	Response Body
1	user_subscriptions	Clause 7.5 of ETSI GS MEC 013	GET	O Yes O No	Table 7.5.3.1-1 of ETSI GS MEC 013	n/a	NotificationSubscriptionList (clause 6.3.3 of ETSI GS MEC 013)
2			POST	O Yes O No	n/a	UserLocationEventSubscription (clause 6.3.4 of ETSI GS MEC 013) UserLocationPeriodicSubscription (clause 6.3.5 of ETSI GS MEC 013)	UserLocationEventSubscription (clause 6.3.4 of ETSI GS MEC 013) UserLocationPeriodicSubscription (clause 6.3.5 of ETSI GS MEC 013)
3			PUT, PATCH & DELETE	n/a	n/a	n/a	n/a
4	individual user_subscription	Clause 7.6 of ETSI GS MEC 013	GET	O Yes O No	Table 7.6.3.1-1 of ETSI GS MEC 013	n/a	UserLocationEventSubscription (clause 6.3.4 of ETSI GS MEC 013) UserLocationPeriodicSubscription (clause 6.3.5 of ETSI GS MEC 013)
5			PUT	O Yes O No	n/a	UserLocationEventSubscription (clause 6.3.4 of ETSI GS MEC 013) UserLocationPeriodicSubscription (clause 6.3.5 of ETSI GS MEC 013)	UserLocationEventSubscription (clause 6.3.4 of ETSI GS MEC 013) UserLocationPeriodicSubscription (clause 6.3.5 of ETSI GS MEC 013)
6			DELETE	O Yes O No	n/a	n/a	n/a
7			PATCH & POST	n/a	n/a	n/a	n/a
8	zone_subscriptions	Clause 7.11 of ETSI GS MEC 013	GET	O Yes O No	Table 7.11.3.1-1 of ETSI GS MEC 013	n/a	NotificationSubscriptionList (clause 6.3.3 of ETSI GS MEC 013)
9			POST	O Yes O No	n/a	ZoneLocationEventSubscription (clause 6.3.6 of ETSI GS MEC 013) ZoneStatusSubscription (clause 6.3.7 of ETSI GS MEC 013)	ZoneLocationEventSubscription (clause 6.3.6 of ETSI GS MEC 013) ZoneStatusSubscription (clause 6.3.7 of ETSI GS MEC 013)
10			DELETE, PUT & PATCH	n/a	n/a	n/a	n/a

ID	Resource	Reference	HTTP Method	Support	Query Parameters	Request Body	Response Body
11	individual zone_subscription	Clause 7.12 of ETSI GS MEC 013	GET	O Yes O No	Table 7.12.3.1-1 of ETSI GS MEC 013	n/a	ZoneLocationEventSubscription (clause 6.3.6 of ETSI GS MEC 013) ZoneStatusSubscription (clause 6.3.7 of ETSI GS MEC 013)
12			PUT	O Yes O No		ZoneLocationEventSubscription (clause 6.3.6 of ETSI GS MEC 013) ZoneStatusSubscription (clause 6.3.7 of ETSI GS MEC 013)	ZoneLocationEventSubscription (clause 6.3.6 of ETSI GS MEC 013) ZoneStatusSubscription (clause 6.3.7 of ETSI GS MEC 013)
13			DELETE	O Yes O No	n/a	n/a	n/a
14			POST & PATCH	n/a	n/a	n/a	n/a
15	distance_subscriptions	Clause 7.14 of ETSI GS MEC 013	GET	O Yes O No	Table 7.14.3.1-1 of ETSI GS MEC 013	n/a	NotificationSubscriptionList (clause 6.3.3 of ETSI GS MEC 013)
16			POST	O Yes O No	n/a	UserDistanceSubscription (clause 6.3.9 of ETSI GS MEC 013)	UserDistanceSubscription (clause 6.3.9 of ETSI GS MEC 013)
17			DELETE, PUT & PATCH	n/a	n/a	n/a	n/a
18	individual distance_subscription	Clause 7.15 of ETSI GS MEC 013	GET	O Yes O No	Table 7.15.3.1-1 of ETSI GS MEC 013	n/a	UserDistanceSubscription (clause 6.3.9 of ETSI GS MEC 013)
19			PUT	O Yes O No	n/a	UserDistanceSubscription (clause 6.3.9 of ETSI GS MEC 013)	UserDistanceSubscription (clause 6.3.9 of ETSI GS MEC 013)
20			DELETE	O Yes O No	n/a	n/a	n/a
21			POST & PATCH	n/a	n/a	n/a	n/a
22	area_subscriptions	Clause 7.16 of ETSI GS MEC 013	GET	O Yes O No	Table 7.16.3.1-1 of ETSI GS MEC 013	n/a	NotificationSubscriptionList (clause 6.3.3 of ETSI GS MEC 013)
23			POST	O Yes O No	n/a	UserAreaNotification (clause 6.3.8 of ETSI GS MEC 013)	UserAreaNotification (clause 6.3.8 of ETSI GS MEC 013)
24			DELETE, PUT & PATCH	n/a	n/a	n/a	n/a
25	individual area_subscription	Clause 7.17 of ETSI GS MEC 013	GET	O Yes O No	Table 7.17.3.1-1 of ETSI GS MEC 013	n/a	UserAreaNotification (clause 6.3.8 of ETSI GS MEC 013)
26			PUT	O Yes O No	n/a	UserAreaNotification (clause 6.3.8 of ETSI GS MEC 013)	UserAreaNotification (clause 6.3.8 of ETSI GS MEC 013)

ID	Resource	Reference	HTTP Method	Support	Query Parameters	Request Body	Response Body
27			DELETE	<input type="radio"/> Yes <input type="radio"/> No	n/a	n/a	n/a
28			POST & PATCH	n/a	n/a	n/a	n/a

A.5.6 ETSI GS MEC 014

A.5.6.1 Test Requirements

ETSI GS MEC 002, clause 6.3.6, defines the features for the UE Identity service. Upon analysis of such features, the following list of requirements was collected, including provisions that are not explicitly marked but which can be tested to improve conformance and interoperability levels. These requirements are defined in Table A.5.6.1-1.

Table A.5.6.1-1: Classification of requirements for the Feature "UEIdentity"

Requirement ID	Requirement description	Reference
MEC032.Mp1.UEIdentity.001	When the MEC system supports the feature UEIdentity, the MEC platform shall provide functionality for a MEC application to de-register a token (representing a UE) or a list of tokens.	ETSI GS MEC 014, clauses 5.2.3 and 7.3.3

A.5.6.2 ICS

Table A.5.6.2-1 defines the list of Implementation Conformance Statements for the instances of every feature addressed in the UE Identity API.

Table A.5.6.2-1: Manage a specific item

ID	Resource	Reference	HTTP Method	Support	Query Parameters	Request Body	Response Body
1	UE Identity tag	Clause 7.3.6 of ETSI GS MEC 014	GET	<input type="radio"/> Yes <input type="radio"/> No	Table 7.3.3.1-1 of ETSI GS MEC 014	n/a	UeIdentityTagInfo Table 6.2.2-1 of ETSI GS MEC 014
2			PUT	<input type="radio"/> Yes <input type="radio"/> No	n/a	UeIdentityTagInfo Table 6.2.2-1 of ETSI GS MEC 014	UeIdentityTagInfo Table 6.2.2-1 of ETSI GS MEC 014
3			POST, PATCH & DELETE	n/a	n/a	n/a	n/a

A.5.7 ETSI GS MEC 015

A.5.7.1 Test Requirements

ETSI GS MEC 002, clause 6.3.5 defines the features for the Bandwidth Management service, and clause 6.3.10 defines the features for the Multi-access Traffic Steering service. Upon analysis of such features, the following list of requirements was collected, including provisions that are not explicitly marked but which can be tested to improve conformance and interoperability levels. The requirements for the Bandwidth Management service are defined in Table A.5.7.1-1, and the requirements for the Multi-access Traffic Steering (MTS) service are defined in Table A.5.7.1-2.

Table A.5.7.1-1: Classification of requirements for the Feature "BandwidthManager"

Requirement ID	Requirement description	Reference
MEC032.Mp1.BandwidthManager.001	When the MEC system supports the feature BandwidthManager, the dedicated MEC application may update the requested bandwidth requirements and/or priority.	ETSI GS MEC 015, clauses 6.2.4 and 8.3
MEC032.Mp1.BandwidthManager.002	When the MEC system supports the feature BandwidthManager, the dedicated MEC application may cancel a previous request for bandwidth requirements and/or priority.	ETSI GS MEC 015, clauses 6.2.3 and 8.3
MEC032.Mp1.BandwidthManager.003	When the MEC system supports the feature BandwidthManager, the dedicated MEC application may query its configured bandwidth allocation.	ETSI GS MEC 015, clauses 6.2.5 and 8.3
MEC032.Mp1.BandwidthManager.004	When the MEC system supports the feature BandwidthManager, an MEC application may query all configured bandwidth allocations.	ETSI GS MEC 015, clauses 6.2.5 and 8.4
MEC032.Mp1.BandwidthManager.005	When the MEC system supports the feature BandwidthManager, the dedicated MEC application may request the bandwidth allocation.	ETSI GS MEC 015, clauses 6.2.2 and 8.3

Table A.5.7.1-2: Classification of requirements for the Feature "MultiaccessTrafficSteering"

Requirement ID	Requirement description	Reference
MEC032.Mp1. MultiaccessTrafficSteering.001	When the MEC system supports the feature MultiaccessTrafficSteering, an MEC application may query the available MTS service information.	ETSI GS MEC 015, clauses 6.2.6 and 9.3
MEC032.Mp1. MultiaccessTrafficSteering.002	When the MEC system supports the feature MultiaccessTrafficSteering, an MEC application may request to create an MTS session.	ETSI GS MEC 015, clauses 6.2.7 and 9.5
MEC032.Mp1. MultiaccessTrafficSteering.003	When the MEC system supports the feature MultiaccessTrafficSteering, the dedicated MEC application may cancel its MTS session.	ETSI GS MEC 015, clauses 6.2.8 and 9.4
MEC032.Mp1. MultiaccessTrafficSteering.004	When the MEC system supports the feature MultiaccessTrafficSteering, the dedicated MEC application may update its requested MTS session.	ETSI GS MEC 015, clauses 6.2.9 and 9.4
MEC032.Mp1. MultiaccessTrafficSteering.005	When the MEC system supports the feature MultiaccessTrafficSteering, the dedicated MEC application may query its configured MTS session.	ETSI GS MEC 015, clauses 6.2.10 and 9.4

A.5.7.2 ICS

Table A.5.7.2-1 defines the list of Implementation Conformance Statements for the instances of every feature addressed in the Bandwidth Management API.

Table A.5.7.2-1: Manage a specific item in Bandwidth Management API

ID	Resource	Reference	HTTP Method	Support	Query Parameters	Request Body	Response Body
1	Individual Bandwidth Allocation	Clause 8.3.3 of ETSI GS MEC 015	GET	<input type="radio"/> Yes <input type="radio"/> No	n/a	n/a	BwInfo Table 7.2.2-1 of ETSI GS MEC 015
2			PUT	<input type="radio"/> Yes <input type="radio"/> No	n/a	BwInfo Table 7.2.2-1 of ETSI GS MEC 015	BwInfo Table 7.2.2-1 of ETSI GS MEC 015
3			PATCH	<input type="radio"/> Yes <input type="radio"/> No	n/a	BwInfo Table 7.2.2-1 of ETSI GS MEC 015	BwInfo Table 7.2.2-1 of ETSI GS MEC 015
4			DELETE	<input type="radio"/> Yes <input type="radio"/> No	n/a	n/a	n/a
5			POST	n/a	n/a	n/a	n/a
6	A list of Bandwidth Allocations	Clause 8.4.3 of ETSI GS MEC 015	GET	<input type="radio"/> Yes <input type="radio"/> No	Table 8.4.3.1-1 of ETSI GS MEC 015	n/a	BwInfo Table 7.2.2-1 of ETSI GS MEC 015
7			POST	<input type="radio"/> Yes <input type="radio"/> No	n/a	BwInfo Table 7.2.2-1 of ETSI GS MEC 015	BwInfo Table 7.2.2-1 of ETSI GS MEC 015
8			PUT, PATCH & DELETE	n/a	n/a	n/a	n/a

Table A.5.7.2-2 defines the list of Implementation Conformance Statements for the instances of every feature addressed in the Multi-access Traffic Steering API.

Table A.5.7.2-2: Manage a specific item in Multi-access Traffic Steering API

ID	Resource	Reference	HTTP Method	Support	Query Parameters	Request Body	Response Body
1	MTS information	Clause 9.3.3 of ETSI GS MEC 015	GET	<input type="radio"/> Yes <input type="radio"/> No	n/a	n/a	MtsCapabilityInfo Table 7.2.4-1 of ETSI GS MEC 015
2			PUT, PATCH, POST & DELETE	n/a	n/a	n/a	n/a
3	Individual MTS session	Clause 9.3.3 of ETSI GS MEC 015	GET	<input type="radio"/> Yes <input type="radio"/> No	n/a	n/a	MtsSessionInfo Table 7.2.5-1 of ETSI GS MEC 015
4			PUT	<input type="radio"/> Yes <input type="radio"/> No	n/a	MtsSessionInfo Table 7.2.5-1 of ETSI GS MEC 015	MtsSessionInfo Table 7.2.5-1 of ETSI GS MEC 015
5			DELETE	<input type="radio"/> Yes <input type="radio"/> No	n/a	n/a	n/a
6			PATCH & POST	n/a	n/a	n/a	n/a
7	A list of MTS sessions	Clause 9.3.3 of ETSI GS MEC 015	GET	<input type="radio"/> Yes <input type="radio"/> No	Table 9.5.3.1-1 of ETSI GS MEC 015	n/a	MtsSessionInfo Table 7.2.5-1 of ETSI GS MEC 015
8			POST	<input type="radio"/> Yes <input type="radio"/> No	n/a	MtsSessionInfo Table 7.2.5-1 of ETSI GS MEC 015	MtsSessionInfo Table 7.2.5-1 of ETSI GS MEC 015
9			PUT, PATCH & DELETE	n/a	n/a	n/a	n/a

A.5.8 ETSI GS MEC 016

A.5.8.1 Test Requirements

ETSI GS MEC 002, clause 6.3.1, defines the features for the Location service. Upon analysis of such features, the following list of requirements was collected, including provisions that are not explicitly marked but which can be tested to improve conformance and interoperability levels. These requirements are defined in Table A.5.8.1-1.

Table A.5.8.1-1: Classification of requirements for the Feature "UserApps"

Requirement ID	Requirement description	Reference
MEC032.Mx2.UserApps.001	When the MEC system supports the feature UserApps, the MEC management shall support querying information about the available MEC applications.	ETSI GS MEC 016, clauses 5.1.2 and 7.3
MEC032.Mx2.UserApps.002	When the MEC system supports the feature UserApps, the MEC management shall support storing the context data for a MEC application.	ETSI GS MEC 016, clauses 5.1.3 and 7.5
MEC032.Mx2.UserApps.003	When the MEC system supports the feature UserApps, the MEC management shall support updating and deleting the context data for an individual MEC application.	ETSI GS MEC 016, clauses 5.1.4, 5.1.5 and 7.5
MEC032.Mx2.UserApps.004	When the MEC system supports the feature UserApps, the MEC management shall support querying information about the locations available for instantiation of a specific user application in the MEC system.	ETSI GS MEC 016, clauses 5.1.7 and 7.6

A.5.8.2 ICS

Table A.5.8.2-1 defines the list of Implementation Conformance Statements for the features addressed in the device application interface API.

Table A.5.8.2-1: Simple queries

ID	Resource	Reference	HTTP Method	Support	Query Parameters	Request Body	Response Body
1	Available application information	Clause 7.3.3 of ETSI GS MEC 016	GET	O Yes O No	Table 7.3.3.1-1 of ETSI GS MEC 016	n/a	ApplicationList Table 6.2.2-1 of ETSI GS MEC 016
2			POST, PUT, PATCH & DELETE	n/a	n/a	n/a	n/a
3	Device Application Contexts	Clause 7.4.3 of ETSI GS MEC 016	POST	O Yes O No	n/a	AppContext Table 6.2.3-1 of ETSI GS MEC 016	AppContext Table 6.2.3-1 of ETSI GS MEC 016
4			GET, PUT, PATCH & DELETE	n/a	n/a	n/a	n/a
5	Application location availability	Clause 7.6.3 of ETSI GS MEC 016	POST	O Yes O No	n/a	ApplicationLocationAvailability Table 6.2.4-1 of ETSI GS MEC 016	ApplicationLocationAvailability Table 6.2.3-1 of ETSI GS MEC 016
6			GET, PUT, PATCH & DELETE	n/a	n/a	n/a	n/a

Table A.5.8.2-2 defines the list of Implementation Conformance Statements for the instances of every feature addressed in the device application interface API.

Table A.5.8.2-2: Manage a specific item

ID	Resource	Reference	HTTP Method	Support	Query Parameters	Request Body	Response Body
1	Individual Device Application Context	Clause 7.5.3 of ETSI GS MEC 016	PUT	O Yes O No	n/a	AppContext Table 6.2.3-1 of ETSI GS MEC 016	n/a
2			DELETE	O Yes O No	n/a	n/a	n/a
3			GET, POST & PATCH	n/a	n/a	n/a	n/a

A.5.9 ETSI GS MEC 021

A.5.9.1 Test Requirements

Table A.5.9.1-1 reports the functional requirements of the MEC App Mobility Service (AMS), as derived from the API definition in ETSI GS MEC 021.

Table A.5.9.1-1: MEC App Mobility Service (AMS) requirements

Requirement ID	Requirement description	Reference
AppMobility.01	The MEC system shall be able to maintain connectivity between a UE and an application instance when the UE performs a handover to another cell associated with the same MEC host.	ETSI GS MEC 021, clause 4.2 - Table 4.2-1
AppMobility.02	The MEC system shall be able to maintain connectivity between a UE and an application instance when the UE performs a handover to another cell not associated with the same MEC host.	ETSI GS MEC 021, clause 4.2, Table 4.2-1
AppMobility.03	The MEC platform may use available radio network information to optimize the mobility procedures required to support service continuity.	ETSI GS MEC 021, clause 4.2, Table 4.2-1
AppMobility.04	The MEC platform may use available core network information to optimize the mobility procedures required to support service continuity	ETSI GS MEC 021, clause 4.2, Table 4.2-1
AppMobility.05	The MEC system shall support two instances of a MEC application running on different MEC hosts to communicate with each other.	ETSI GS MEC 021, clause 4.2, Table 4.2-1
AppMobility.06	The MEC platform shall be able to allow an authorized MEC application to communicate with another MEC application located on another MEC host.	ETSI GS MEC 021, clause 4.2, Table 4.2-1
AppMobility.07	When the MEC system supports the feature SmartRelocation, the MEC management shall support the relocation of a MEC application instance from one MEC host to a different host within the system.	ETSI GS MEC 021, clause 4.2, Table 4.2-1
AppMobility.08	When the MEC system supports the feature SmartRelocation, a MEC host may support the relocation of a MEC application instance from a different host (within the system) to this particular host, and from this particular host to a different host (within the system).	ETSI GS MEC 021, clause 4.2, Table 4.2-1
AppMobility.09	When the MEC system supports the feature SmartRelocation, the system shall be able to move MEC application instances between MEC hosts in order to continue to satisfy the requirements of the MEC application.	ETSI GS MEC 021, clause 4.2, Table 4.2-1
AppMobility.10	When the MEC system supports the feature SmartRelocation, and based on a request from the UE, the system shall be able to relocate a MEC application running in a cloud environment to a MEC host fulfilling the requirements of the MEC application, and relocate a MEC application from a MEC host to a cloud environment outside the MEC system.	ETSI GS MEC 021, clause 4.2, Table 4.2-1
Mec032.AMS.01	The AMS shall allow service consumers to register to the AMS offered by the MEC system.	ETSI GS MEC 021, clauses 6.1 and 6.2
Mec032.AMS.02	The AMS shall allow service consumers to un-register from the AMS offered by the MEC system.	ETSI GS MEC 021, clauses 6.1 and 6.3
Mec032.AMS.03	The AMS shall allow the service consumers to update user or other information of the registered AMS for a single or multiple devices.	ETSI GS MEC 021, clauses 6.1 and 6.4
Mec032.AMS.04	The AMS shall support queries from the service consumers about AMS information on endpoint of adjacent application instances with communication links.	ETSI GS MEC 021, clause 6.1
Mec032.AMS.05	The AMS shall support queries from the service consumers about AMS information on identification of application instances running on the target MEC host.	ETSI GS MEC 021, clause 6.1
Mec032.AMS.06	The AMS shall support queries from the service consumers about AMS information on communication link information between the source and target instances of the same application.	ETSI GS MEC 021, clause 6.1
Mec032.AMS.07	The AMS shall allow the service consumers to subscribe to the AMS for receiving notifications on particular AMS events.	ETSI GS MEC 021, clauses 6.1 and 6.6
Mec032.AMS.08	The AMS shall allow the service consumers to unsubscribe to the notifications of AMS events.	ETSI GS MEC 021, clause 6.7
Mec032.AMS.09	The AMS shall allow the service consumers to update their subscriptions to AMS events.	ETSI GS MEC 021, clause 6.8
Mec032.AMS.10	The AMS shall be able to send notifications to subscribed service consumers when a target event occurs.	ETSI GS MEC 021, clause 6.1

Requirement ID	Requirement description	Reference
Mec032.AMS.11	The AMS shall allow the service consumers to subscribe to the AMS for receiving notifications about application mobility status and shall be able to provide such notifications.	ETSI GS MEC 021, clauses 6.1, 7.3.2 and 7.4.2
Mec032.AMS.12	The AMS shall allow the service consumers to subscribe to the AMS for receiving notifications about adjacent application instances and shall be able to provide such notifications.	ETSI GS MEC 021, clause 7.3.3 and 7.4.3
Mec032.AMS.13	The AMS may be able to send notifications regarding to expiry of the existing subscription.	ETSI GS MEC 021, clause 7.4.4
Mec032.AMS.14	The AMS shall provide assistance to clean up the user information at the source application instance and MEC platform when the user context has been transferred to the target application instance.	ETSI GS MEC 021, clause 6.1

A.5.9.2 ICS

The list of Implementation Conformance Statements for AMS APIs for registrations, queries and subscriptions is defined in Table A.5.9.2-1.

Table A.5.9.2-1: AMS APIs

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
1	Application mobility services /app_mobility_services	Table 8.2-2 in clause 8.2 of ETSI GS MEC 021	POST	O Yes O No	n/a	Table 8.3.3.4-1 of ETSI GS MEC 021 RegistrationInfo	Table 8.3.3.4-1 of ETSI GS MEC 021 RegistrationInfo (clause 7.2.2 of ETSI GS MEC 021)
2			GET	O Yes O No	Table 8.3.3.1-1 of ETSI GS MEC 021	n/a	Table 8.3.3.1-2 of ETSI GS MEC 021 RegistrationInfo (clause 7.2.2 of ETSI GS MEC 021)
3			PUT, PATCH & DELETE	n/a	n/a	n/a	n/a
4	Individual application mobility services /app_mobility_services/ {appMobilityServiceId}	Table 8.2-2 in clause 8.2 of ETSI GS MEC 021	GET	O Yes O No	Table 8.4.3.1-1 of ETSI GS MEC 021	n/a	Table 8.4.3.1-2 of ETSI GS MEC 021 RegistrationInfo (clause 7.2.2 of ETSI GS MEC 021)
5			DELETE	O Yes O No	n/a	n/a	n/a
6			PUT	O Yes O No	n/a	RegistrationInfo (clause 7.2.2 of ETSI GS MEC 021)	RegistrationInfo (clause 7.2.2 of ETSI GS MEC 021)
7			PATCH POST &	n/a	n/a	n/a	n/a
8	Deregister application mobility service task	Table 8.2-2 in clause 8.2 of ETSI GS MEC 021	POST	O Yes O No	n/a	n/a	Table 8.5.3.4-1 of ETSI GS MEC 021
9	/app_mobility_services/ {appMobilityServiceId}/ deregister_task		GET, PUT, PATCH & DELETE	n/a	n/a	n/a	n/a

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
10	Parent resource of all AMS subscriptions /subscriptions	Table 8.2-2 in clause 8.2 of ETSI GS MEC 021	POST	<input type="radio"/> Yes <input type="radio"/> No	n/a	Table 8.6.3.4-1 of ETSI GS MEC 021 Mobility Procedure Subscription (clause 7.3.2 of ETSI GS MEC 021) Or Adjacent AppInfo Subscription (clause 7.3.3 of ETSI GS MEC 021)	Table 8.6.3.4-1 of ETSI GS MEC 021 Mobility Procedure Subscription (clause 7.3.2 of ETSI GS MEC 021) Or Adjacent AppInfo Subscription (clause 7.3.3 of ETSI GS MEC 021)
11			GET	<input type="radio"/> Yes <input type="radio"/> No	Table 8.6.3.1-1 of ETSI GS MEC 021	n/a	Table 8.6.3.1-2 of ETSI GS MEC 021 Subscription LinkList (clause 7.3.4 of ETSI GS MEC 021)
12			PUT, PATCH, & DELETE	n/a	n/a	n/a	n/a

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
13	Individual AMS subscription /subscriptions/ {subscriptionId}	Table 8.2-2 in clause 8.2 of ETSI GS MEC 021	GET	O Yes O No	m/a	n/a	Table 8.7.3.1-2 of ETSI GS MEC 021 Mobility Procedure Subscription (clause 7.3.2 of ETSI GS MEC 021) Or Adjacent AppInfo Subscription (clause 7.3.3 of ETSI GS MEC 021)
14			DELETE	O Yes O No	n/a	n/a	n/a
15			PUT	O Yes O No	n/a	Table 8.7.3.2-2 of ETSI GS MEC 021 Mobility Procedure Subscription (clause 7.3.2 of ETSI GS MEC 021) Or Adjacent AppInfo Subscription (clause 7.3.3 of ETSI GS MEC 021)	Table 8.7.3.2-2 of ETSI GS MEC 021 Mobility Procedure Subscription (clause 7.3.2 of ETSI GS MEC 021) Or Adjacent AppInfo Subscription (clause 7.3.3 of ETSI GS MEC 021)
16			POST & PATCH	n/a	n/a	n/a	n/a
17	Adjacent application instances /queries/adjacent_app_instances	Table 8.2-1 in clause 8.2 of ETSI GS MEC 021	GET	O Yes O No	Table 8.8.3.1-1 of ETSI GS MEC 021	n/a	Table 8.8.3.1-2 of ETSI GS MEC 021 AdjacentAppInstanc eInfo (clause 7.2.3 of ETSI GS MEC 021)
18			PUT, PATCH, & DELETE	n/a	n/a	n/a	n/a

The list of Implementation Conformance Statements for AMS notification is defined in Table A.5.9.2-2.

Table A.5.9.2-2: Notification callback

ID	Client provided callback reference	Reference	HTTP Method	Support	Request Body
1	MobilityProcedure Notification	Table 7.4.2-1 in clause 7.4.2 of ETSI GS MEC 021	GET, PUT, PATCH & DELETE	n/a	n/a
2			POST	<input type="radio"/> Yes <input type="radio"/> No	MobilityProcedureNotification (clause 7.4.2 of ETSI GS MEC 021)
3	AdjacentAppInfo Notification	Table 7.4.3-1 in clause 7.4.3 of ETSI GS MEC 021	GET, PUT, PATCH & DELETE	n/a	n/a
4			POST	<input type="radio"/> Yes <input type="radio"/> No	AdjacentAppInfoNotification (clause 7.4.3 of ETSI GS MEC 021)
5	ExpiryNotification	Table 7.4.4-1 in clause 7.4.4 of ETSI GS MEC 021	GET, PUT, PATCH & DELETE	n/a	n/a
6			POST	<input type="radio"/> Yes <input type="radio"/> No	ExpiryNotification (clause 7.4.4 of ETSI GS MEC 021)
7	TestNotification	Table 7.4.6-1 in clause 7.4.6 of ETSI GS MEC 021	GET, PUT, PATCH & DELETE	n/a	n/a
8			POST	<input type="radio"/> Yes <input type="radio"/> No	TestNotification (clause 7.4.6 of ETSI GS MEC 021)

A.5.10 ETSI GS MEC 028

A.5.10.1 Test Requirements

Table A.5.10.1-1 reports the functional requirements of the WLAN Information Service (WAIS), as derived from the API definition in ETSI GS MEC 028.

Table A.5.10.1-1: WLAN Information MEC Service requirements

Requirement ID	Requirement description	Reference
Mec032.WAIS.01	The WAIS shall support queries from the service consumers about information on Access Points.	ETSI GS MEC 028, clause 5.2.2
Mec032.WAIS.02	The WAIS shall support queries from the service consumers about information on client stations.	ETSI GS MEC 028, clause 5.2.3
Mec032.WAIS.03	The WAIS shall allow the service consumers to subscribe to the WAIS for receiving notifications on particular WLAN events.	ETSI GS MEC 028, clause 5.2.4.1
Mec032.WAIS.04	The WAIS shall be able to notify service consumers about the expiry of WLAN event subscriptions.	ETSI GS MEC 028, clause 5.2.4.2
Mec032.WAIS.05	The WAIS shall allow the service consumers to update their subscriptions to WLAN events.	ETSI GS MEC 028, clause 5.2.4.3
Mec032.WAIS.06	The WAIS shall allow the service consumers to unsubscribe to the notifications of WLAN events.	ETSI GS MEC 028, clause 5.2.4.4
Mec032.WAIS.07	The WAIS shall be able to send notifications to subscribed service consumers about WLAN station physical rates.	ETSI GS MEC 028, clause 5.2.5
Mec032.WAIS.08	The WAIS shall be able to send notifications to subscribed service consumers about WLAN stations that are associated with a particular access point whose information is requested.	ETSI GS MEC 028, clause 5.2.6
Mec032.WAIS.09	The WAIS shall support requests from the service consumers for measurement configuration.	ETSI GS MEC 028, clause 5.2.7

A.5.10.2 ICS

The list of Implementation Conformance Statements for the simple queries addressed in the WLAN Information Service API is defined in Table A.5.10.2-1.

Table A.5.10.2-1: Simple queries

ID	Resource	Reference	HTTP Method	Support	Query Parameters	Request Body	Response Body
1	Access Point information	Clause 7.3.3 of ETSI GS MEC 028	GET	<input type="radio"/> Yes <input type="radio"/> No	Table 7.3.3.1-1 of ETSI GS MEC 028	n/a	ApInfo Table 6.2.2-1 of ETSI GS MEC 028
2			POST, PUT, PATCH & DELETE	n/a	n/a	n/a	n/a
3	Station information	Clause 7.4.3 of ETSI GS MEC 028	GET	<input type="radio"/> Yes <input type="radio"/> No	Table 7.4.3.1-1 of ETSI GS MEC 028	n/a	StaInfo Table 6.2.3-1 of ETSI GS MEC 028
4			POST, PUT, PATCH & DELETE	n/a	n/a	n/a	n/a

Table A.5.10.2-2 defines the list of Implementation Conformance Statements for the subscriptions and notifications addressed in the WLAN Information Service API.

Table A.5.10.2-2: Subscriptions and notifications

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
1	All subscriptions	Table 7.2-1 of ETSI GS MEC 028	GET	<input type="radio"/> Yes <input type="radio"/> No	Table 7.5.3.1-1 of ETSI GS MEC 028	n/a	SubscriptionLink List Table 6.3.4-1 of ETSI GS MEC 028
2			POST	<input type="radio"/> Yes <input type="radio"/> No	n/a	AssocStaSubscription Table 6.3.2-1 of ETSI GS MEC 028 StaDataRateSubscription Table 6.3.3-1 of ETSI GS MEC 028 MeasurementReportSubscription Table 6.3.5-1 of ETSI GS MEC 028	AssocStaSubscription Table 6.3.2-1 of ETSI GS MEC 028 StaDataRateSubscription Table 6.3.3-1 of ETSI GS MEC 028 MeasurementReportSubscription Table 6.3.5-1 of ETSI GS MEC 028
3			PUT, PATCH, & DELETE	n/a	n/a	n/a	n/a

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
4	Existing subscription	Table 7.2-1 of ETSI GS MEC 028	GET	O Yes O No	n/a	n/a	AssocStaSubscription Table 6.3.2-1 of ETSI GS MEC 028 StaDataRateSubscription Table 6.3.3-1 of ETSI GS MEC 028 MeasurementReportSubscription Table 6.3.5-1 of ETSI GS MEC 028
5			PUT	O Yes O No	n/a	AssocStaSubscription Table 6.3.2-1 of ETSI GS MEC 028 StaDataRateSubscription Table 6.3.3-1 of ETSI GS MEC 028 MeasurementReportSubscription Table 6.3.5-1 of ETSI GS MEC 028	AssocStaSubscription Table 6.3.2-1 of ETSI GS MEC 028 StaDataRateSubscription Table 6.3.3-1 of ETSI GS MEC 028 MeasurementReportSubscription Table 6.3.5-1 of ETSI GS MEC 028
6			DELET	O Yes O No	n/a	n/a	n/a
7			PATCH & POST	n/a	n/a	n/a	n/a
8	Notification callback	Clauses 5.2.5 and 5.2.6 of ETSI GS MEC 028	POST	O Yes O No	n/a	AssocStaNotification Table 6.4.2-1 of ETSI GS MEC 028 StaDataRateNotification Table 6.4.3-1 of ETSI GS MEC 028 MeasurementReportSubscription Table 6.3.5-1 of ETSI GS MEC 028	n/a
9			GET, PUT, PATCH & DELETE	n/a	n/a	n/a	n/a

Table A.5.10.2-3 defines the list of Implementation Conformance Statements for the measurements in the WLAN Information Service API.

Table A.5.10.2-3: Measurements

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
1	All measurement configurations for a subscriber	Table 7.2-1 of ETSI GS MEC 028	GET	O Yes O No	n/a	n/a	MeasurementConfigLinkList Table 6.2.5-1 of ETSI GS MEC 028
2			POST	O Yes O No	n/a	MeasurementConfig Table 6.2.4-1 of ETSI GS MEC 028	MeasurementConfig Table 6.2.4-1 of ETSI GS MEC 028
3			PUT, PATCH, & DELETE	n/a	n/a	n/a	n/a
4	Existing measurement configuration	Table 7.2-1 of ETSI GS MEC 028	GET	O Yes O No	n/a	n/a	MeasurementConfig Table 6.2.4-1 of ETSI GS MEC 028
5			PUT	O Yes O No	n/a	MeasurementConfig Table 6.2.4-1 of ETSI GS MEC 028	MeasurementConfig Table 6.2.4-1 of ETSI GS MEC 028
6			DELETE	O Yes O No	n/a	n/a	n/a
7			POST & PATCH	n/a	n/a	n/a	n/a

A.5.11 ETSI GS MEC 029

A.5.11.1 Test Requirements

ETSI GS MEC 002 does not contemplate fixed access information features. As such, the following list of requirements was collected from ETSI GS MEC 029, including provisions that are not explicitly marked but which can be tested to improve conformance and interoperability levels. These requirements are defined in Table 5.11.1-1.

Table 5.11.1-1: Classification of requirements for the Feature "UserApps"

Requirement ID	Requirement description	Reference
MEC032.Mp1.FAI.001	When the MEC system supports the feature FAI, the MEC application shall support querying about the available fixed access information.	ETSI GS MEC 029, clauses 5.2.2 and 7.3
MEC032.Mp1.FAI.002	When the MEC system supports the feature FAI, the MEC platform shall support querying about the available fixed access information.	ETSI GS MEC 029, clauses 5.2.2 and 7.3
MEC032.Mp1.FAI.003	When the MEC system supports the feature FAI, the MEC application shall support querying information on the devices connected to a fixed access network.	ETSI GS MEC 029, clauses 5.2.3 and 7.4
MEC032.Mp1.FAI.004	When the MEC system supports the feature FAI, the MEC application shall support querying information of the available cable line of a fixed access network.	ETSI GS MEC 029, clauses 5.2.4 and 7.5
MEC032.Mp1.FAI.005	When the MEC system supports the feature FAI, the MEC application shall support querying about the available information of an optical network.	ETSI GS MEC 029, clauses 5.2.5 and 7.6
MEC032.Mp1.FAI.006	When the MEC system supports the feature FAI, the MEC application shall support the subscription for notifications to certain specific FAI event.	ETSI GS MEC 029, clauses 5.2.6 and 7.7
MEC032.Mp1.FAI.007	When the MEC system supports the feature FAI, the MEC application shall support querying information about its subscriptions.	ETSI GS MEC 029, clauses 5.2.6 and 7.7
MEC032.Mp1.FAI.008	When the MEC system supports the feature FAI, the MEC application shall support querying information about a specific subscription.	ETSI GS MEC 029, clauses 5.2.6 and 7.8
MEC032.Mp1.FAI.009	When the MEC system supports the feature FAI, the MEC application shall support replace information on an existing subscription.	ETSI GS MEC 029, clauses 5.2.6 and 7.8
MEC032.Mp1.FAI.0010	When the MEC system supports the feature FAI, the MEC application shall support cancelling an existing subscription.	ETSI GS MEC 029, clauses 5.2.6 and 7.8
MEC032.Mp1.FAI.0011	When the MEC system supports the feature FAI, the MEC application shall support sending FAI event notifications to the service consumer, using the provided callback URI.	ETSI GS MEC 029, clauses 5.2.7, 5.2.8, 5.2.9 and 5.2.10

A.5.11.2 ICS

Table 5.11.2-1 defines the list of Implementation Conformance Statements for the features addressed in the Fixed Access Information (FAI) API.

Table 5.11.2-1: Simple queries

ID	Resource	Reference	HTTP Method	Support	Query Parameters	Request Body	Response Body
1	fixed access information	Clause 7.3 of ETSI GS MEC 029	GET	<input type="radio"/> Yes <input type="radio"/> No	Table 7.3.3.1-1 of ETSI GS MEC 029	n/a	FalInfo Table 6.2.2-1 of ETSI GS MEC 029
2			POST, PUT, PATCH & DELETE	n/a	n/a	n/a	n/a
3	device information	Clause 7.4 of ETSI GS MEC 029	GET	<input type="radio"/> Yes <input type="radio"/> No	Table 7.4.3.1-1 of ETSI GS MEC 029	n/a	DeviceInfo Table 6.2.3-1 of ETSI GS MEC 029
4			POST, PUT, PATCH & DELETE	n/a	n/a	n/a	n/a
5	cable line information	Clause 7.5 of ETSI GS MEC 029	GET	<input type="radio"/> Yes <input type="radio"/> No	Table 7.5.3.1-1 of ETSI GS MEC 029	n/a	CableLineInfo Table 6.2.4-1 of ETSI GS MEC 029
6			POST, PUT, PATCH & DELETE	n/a	n/a	n/a	n/a
7	optical network information	Clause 7.6 of ETSI GS MEC 029	GET	<input type="radio"/> Yes <input type="radio"/> No	Table 7.6.3.1-1 of ETSI GS MEC 029	n/a	PonInfo Table 6.2.5-1 of ETSI GS MEC 029
8			POST, PUT, PATCH & DELETE	n/a	n/a	n/a	n/a
9	all subscriptions for a subscriber	Clause 7.7 of ETSI GS MEC 029	GET	<input type="radio"/> Yes <input type="radio"/> No	Table 7.7.3.1-1 of ETSI GS MEC 029	n/a	SubscriptionLinkList Table 6.3.5-1 of ETSI GS MEC 029
10			POST	<input type="radio"/> Yes <input type="radio"/> No	n/a	OnuAlarmSubscription Table 6.3.2-1 of ETSI GS MEC 029 or DevInfoSubscription Table 6.3.3-1 of ETSI GS MEC 029 or CmConnSubscription Table 6.3.4-1 of ETSI GS MEC 029 or AniAlarmSubscription Table 6.3.6-1 of ETSI GS MEC 029	OnuAlarmSubscription Table 6.3.2-1 of ETSI GS MEC 029 or DevInfoSubscription Table 6.3.3-1 of ETSI GS MEC 029 or CmConnSubscription Table 6.3.4-1 of ETSI GS MEC 029 or AniAlarmSubscription Table 6.3.6-1 of ETSI GS MEC 029
11			PUT, PATCH & DELETE	n/a	n/a	n/a	n/a

ID	Resource	Reference	HTTP Method	Support	Query Parameters	Request Body	Response Body
12	notification callback	Clauses 5.2.7 to 5.2.10 of ETSI GS MEC 029	POST	<input type="radio"/> Yes <input type="radio"/> No	n/a	OnuAlarmNotification Table 6.4.2-1 of ETSI GS MEC 029 or DevInfoNotification Table 6.4.3-1 of ETSI GS MEC 029 or CmConnNotification Table 6.4.4-1 of ETSI GS MEC 029 or AniAlarmNotification Table 6.4.6-1 of ETSI GS MEC 029	n/a
13			GET, PUT, PATCH & DELETE	n/a	n/a	n/a	n/a

Table 5.11.2-2 defines the list of Implementation Conformance Statements for the instances of every feature addressed in the Fixed Access Information API.

Table 5.11.2-2: Manage a specific item

ID	Resource	Reference	HTTP Method	Support	Query Parameters	Request Body	Response Body
1	existing subscription	Clause 7.8 of ETSI MEC 029	GET	<input type="radio"/> Yes <input type="radio"/> No	n/a	n/a	OnuAlarmSubscription Table 6.3.2-1 of ETSI GS MEC 029 or DevInfoSubscription Table 6.3.3-1 of ETSI GS MEC 029 or CmConnSubscription Table 6.3.4-1 of ETSI GS MEC 029 or AniAlarmSubscription Table 6.3.6-1 of ETSI GS MEC 029
2			PUT	<input type="radio"/> Yes <input type="radio"/> No	n/a	OnuAlarmSubscription Table 6.3.2-1 of ETSI GS MEC 029 or DevInfoSubscription Table 6.3.3-1 of ETSI GS MEC 029 or CmConnSubscription Table 6.3.4-1 of ETSI GS MEC 029 or AniAlarmSubscription Table 6.3.6-1 of ETSI GS MEC 029	OnuAlarmSubscription Table 6.3.2-1 of ETSI GS MEC 029 or DevInfoSubscription Table 6.3.3-1 of ETSI GS MEC 029 or CmConnSubscription Table 6.3.4-1 of ETSI GS MEC 029 or AniAlarmSubscription Table 6.3.6-1 of ETSI GS MEC 029

ID	Resource	Reference	HTTP Method	Support	Query Parameters	Request Body	Response Body
3			DELETE	<input type="radio"/> Yes <input type="radio"/> No	n/a	n/a	n/a
4			POST & PATCH	n/a	n/a	n/a	n/a

A.5.12 ETSI GS MEC 030

A.5.12.1 Test Requirements

Table A.5.9.1-1 reports the functional requirements of the MEC V2X Information Service (VIS), as derived from the API definition in ETSI GS MEC 030.

Table A.5.12.1-1: MEC V2X Information Service (VIS) requirements

Requirement ID	Requirement description	Reference
Mec032.VIS.01	The VIS shall support queries from the service consumers about provisioning information for V2X communication over Uu unicast.	ETSI GS MEC 030, clause 5.5.1
Mec032.VIS.02	The VIS shall support queries from the service consumers about provisioning information for V2X communication over Uu MBMS.	ETSI GS MEC 030, clause 5.5.2
Mec032.VIS.03	The VIS shall support queries from the service consumers about provisioning information for V2X communication over PC5.	ETSI GS MEC 030, clause 5.5.3
Mec032.VIS.04	The VIS shall support queries from the service consumers about journey-specific QoS predictions.	ETSI GS MEC 030, clause 5.5.4
Mec032.VIS.05	The VIS shall allow the service consumers to subscribe to the VIS for receiving notifications on particular V2X information events.	ETSI GS MEC 030, clause 5.5.5.1
Mec032.VIS.06	The VIS shall be able to notify service consumers about the expiry of V2X information event subscriptions.	ETSI GS MEC 030, clause 5.5.5.2
Mec032.VIS.07	The VIS shall allow the service consumers to update their subscriptions to V2X information events.	ETSI GS MEC 030, clause 5.5.5.3
Mec032.VIS.08	The VIS shall allow the service consumers to unsubscribe to the notifications of V2X information events.	ETSI GS MEC 030, clause 5.5.5.4
Mec032.VIS.09	The VIS shall be able to send notifications to subscribed service consumers about the provisioning information changes for V2X communication over Uu unicast.	ETSI GS MEC 030, clause 5.5.6
Mec032.VIS.10	The VIS shall be able to send notifications to subscribed service consumers about the provisioning information changes for V2X communication over Uu MBMS.	ETSI GS MEC 030, clause 5.5.7
Mec032.VIS.11	The VIS shall be able to send notifications to subscribed service consumers about the provisioning information changes for V2X communication over PC5.	ETSI GS MEC 030, clause 5.5.8
Mec032.VIS.12	The VIS shall allow the service consumers to subscribe the V2X messages which come from different vehicle OEMs or operators.	ETSI GS MEC 030, clause 5.5.9.1
Mec032.VIS.13	The VIS shall allow the service consumers to publish a V2X message to VIS who will then notify the subscribed service consumers.	ETSI GS MEC 030, clause 5.5.9.2
Mec032.VIS.14	The VIS shall be able to send notifications to subscribed service consumers.	ETSI GS MEC 030, clause 5.5.9.3

A.5.12.2 ICS

The list of Implementation Conformance Statements for the features addressed in the MEC V2X Information Service is defined in Table A.5.9.2-1.

Table A.5.12.2-1: VIS APIs

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
1	Uu unicast provisioning Information /queries/uu_unicast_provisioning_info	Table 7.2-1 in clause 7.2 of ETSI GS MEC 030	GET	<input type="radio"/> Yes <input type="radio"/> No	Table 7.3.3.1-1 of ETSI GS MEC 030	n/a	Table 7.3.3.1-2 of ETSI GS MEC 030 UuUnicastProvisioningInfo (clause 6.2.2 of ETSI GS MEC 030)
2			PUT, PATCH, POST & DELETE	n/a	n/a	n/a	n/a
3	Uu MBMS provisioning information /queries/uu_mbms_provisioning_info	Table 7.2-1 in clause 7.2 of ETSI GS MEC 030	GET	<input type="radio"/> Yes <input type="radio"/> No	Table 7.4.3.1-1 of ETSI GS MEC 030	n/a	Table 7.4.3.1-2 of ETSI GS MEC 030 UuMbmsProvisioningInfo (clause 6.2.3 of ETSI GS MEC 030)
4			PUT, PATCH, POST & DELETE	n/a	n/a	n/a	n/a
5	PC5 provisioning information /queries/pc5_provisioning_info	Table 7.2-1 in clause 7.2 of ETSI GS MEC 030	GET	<input type="radio"/> Yes <input type="radio"/> No	Table 7.5.3.1-1 of ETSI GS MEC 030	n/a	Table 7.5.3.1-2 of ETSI GS MEC 030 Pc5ProvisioningInfo (clause 6.2.4 of ETSI GS MEC 030)
6			PUT, PATCH, POST & DELETE	n/a	n/a	n/a	n/a
7	Provide predicted QoS task /provide_predicted_qos	Table 7.2-1 in clause 7.2 of ETSI GS MEC 030	POST	<input type="radio"/> Yes <input type="radio"/> No	n/a	Table 7.6.3.4-2 of ETSI GS MEC 030 PredictedQos (clause 6.2.5 of ETSI GS MEC 030)	Table 7.6.3.4-2 of ETSI GS MEC 030 PredictedQos (clause 6.2.5 of ETSI GS MEC 030)
8			GET, PUT, PATCH & DELETE	n/a	n/a	n/a	n/a
9	Publish V2X message task /publish_v2x_message	Table 7.2-1 in clause 7.2 of ETSI GS MEC 030	POST	<input type="radio"/> Yes <input type="radio"/> No	n/a	Table 7.7.3.4-2 of ETSI GS MEC 030 V2xMsgPublication (clause 6.2.6 of ETSI GS MEC 030)	Table 7.7.3.4-2 of ETSI GS MEC 030

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
10			GET, PUT, PATCH & DELETE	n/a	n/a	n/a	n/a
11	All subscriptions for a subscriber /subscriptions	Table 7.2-1 in clause 7.2 of ETSI GS MEC 030	POST	O Yes O No	n/a	Table 7.8.3.4-1 of ETSI GS MEC 030 {NotificationSubscription} (clause 6.3 of ETSI GS MEC 030)	Table 7.8.3.4-1 of ETSI GS MEC 030 {NotificationSubscription} (clause 6.3 of ETSI GS MEC 030)
12			GET	O Yes O No	Table 7.8.3.1-1 of ETSI GS MEC 030	n/a	Table 7.8.3.1-2 of ETSI GS MEC 030 Subscription LinkList (clause 6.3.6 of ETSI GS MEC 030)
13			PUT, PATCH & DELETE	n/a	n/a	n/a	n/a
14			GET	O Yes O No	n/a	n/a	Table 7.9.3.1-2 of ETSI GS MEC 030 {NotificationSubscription} (clause 6.3 of ETSI GS MEC 030)
15	Existing subscription /subscriptions/ {subscriptionId}	Table 7.2-1 in clause 7.2 of ETSI GS MEC 030	DELETE	O Yes O No	n/a	n/a	Table 7.9.3.5-2 of ETSI GS MEC 030
16	PUT		O Yes O No	n/a	Table 7.9.3.2-2 of ETSI GS MEC 030 {NotificationSubscription} (clause 6.3 of ETSI GS MEC 030)	Table 7.9.3.2-2 of ETSI GS MEC 030 {NotificationSubscription} (clause 6.3 of ETSI GS MEC 030)	
17	POST & PATCH		n/a	n/a	n/a	n/a	

The list of Implementation Conformance Statements for VIS notification is defined in Table A.5.9.2-2.

Table A.5.12.2-2: Notification callback

ID	Client provided callback reference	Reference	HTTP Method	Support	Request Body
1	ProvChgUuUniNotification	Table 7.2-1 in clause 7.2 of ETSI GS MEC 030	GET, PUT, PATCH & DELETE	n/a	n/a
2			POST	O Yes O No	ProvChgUuUniNotification (clause 6.4.2 of ETSI GS MEC 030)
3	ProvChgUuMbmsNotification	Table 7.2-1 in clause 7.2 of ETSI GS MEC 030	GET, PUT, PATCH & DELETE	n/a	n/a
4			POST	O Yes O No	ProvChgUuMbmsNotification (clause 6.4.3 of ETSI GS MEC 030)
5	ProvChgPc5Notification	Table 7.2-1 in clause 7.2 of ETSI GS MEC 030	GET, PUT, PATCH & DELETE	n/a	n/a
6			POST	O Yes O No	ProvChgPc5Notification (clause 6.4.4 of ETSI GS MEC 030)
7	V2xMsgNotification	Table 7.2-1 in clause 7.2 of ETSI GS MEC 030	GET, PUT, PATCH & DELETE	n/a	n/a
8			POST	O Yes O No	V2xMsgNotification (clause 6.4.5 of ETSI GS MEC 030)
9	TestNotification	Table 7.2-1 in clause 7.2 of ETSI GS MEC 030	GET, PUT, PATCH & DELETE	n/a	n/a
10			POST	O Yes O No	TestNotification (clause 6.4.6 of ETSI GS MEC 030)

A.5.13 ETSI GS MEC 033

A.5.13.1 Test Requirements

Table A.5.9.1-1 reports the functional requirements of the MEC IoT Service (IoTS), as derived from the API definition in ETSI GS MEC 033.

Table A.5.13.1-1: MEC IoT Service (IoTS) requirements

Requirement ID	Requirement description	Reference
Mec032.IoTS.01	The IoTS shall support device provisioning interface that enables an IoT system administrator to register, deregister, and update information about an IoT device.	ETSI GS MEC 033, clause 5.2
Mec032.IoTS.02	The IoTS shall support IoT platform discovery interface that enables an IoT system administrator to register, deregister, and update information about an IoT platform.	ETSI GS MEC 033, clause 5.3
Mec032.IoTS.03	The IoTS shall support transport configuration interface that enables the routing of communications from an IoT device to the intended IoT platform.	ETSI GS MEC 033, clause 5.4

A.5.13.2 ICS

The list of Implementation Conformance Statements for the features addressed in the MEC IoT Service is defined in Table A.5.9.2-1.

Table A.5.13.2-1: IoT S APIs

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
1	All registered devices /registered_devices	Table 7.2-1 in clause 7.2 of ETSI GS MEC 033	GET	O Yes O No	Table 7.3.3.1-1 of ETSI GS MEC 033	n/a	Table 7.3.3.1-2 of ETSI GS MEC 033 DeviceInfo (clause 6.2.2 of ETSI GS MEC 033)
2			POST	O Yes O No	n/a	Table 7.3.3.4-2 of ETSI GS MEC 033 DeviceInfo (clause 6.2.2 of ETSI GS MEC 033)	Table 7.3.3.4-2 of ETSI GS MEC 033 DeviceInfo (clause 6.2.2 of ETSI GS MEC 033)
3			PUT, PATCH & DELETE	n/a	n/a	n/a	n/a
4	A registered device /registered_devices/{registeredDeviceId}	Table 7.2-1 in clause 7.2 of ETSI GS MEC 033	GET	O Yes O No	Table 7.4.3.1-1 of ETSI GS MEC 033	n/a	Table 7.4.3.1-2 of ETSI GS MEC 033 DeviceInfo (clause 6.2.2 of ETSI GS MEC 033)
5			PUT	O Yes O No	n/a	Table 7.4.3.2-2 of ETSI GS MEC 033 DeviceInfo (clause 6.2.2 of ETSI GS MEC 033)	Table 7.4.3.2-2 of ETSI GS MEC 033 DeviceInfo (clause 6.2.2 of ETSI GS MEC 033)
6			DELETE	O Yes O No	n/a	n/a	n/a
7			PATCH & POST	n/a	n/a	n/a	n/a
8	All registered IoT platforms /registered_iot_platforms	Table 7.2-1 in clause 7.2 of ETSI GS MEC 033	GET	O Yes O No	Table 7.5.3.1-1 of ETSI GS MEC 033	n/a	Table 7.5.3.1-2 of ETSI GS MEC 033 IoTPlatformInfo (clause 6.2.3 of ETSI GS MEC 033)
			POST	O Yes O No	n/a	Table 7.5.3.4-2 of ETSI GS MEC 033 IoTPlatformInfo (clause 6.2.3 of ETSI GS MEC 033)	Table 7.5.3.4-2 of ETSI GS MEC 033 IoTPlatformInfo (clause 6.2.3 of ETSI GS MEC 033)
9			PUT, PATCH & DELETE	n/a	n/a	n/a	n/a
10	A registered IoT platform /registered_iot_platforms/{registeredIoTPlatformId}	Table 7.2-1 in clause 7.2 of ETSI GS MEC 033	GET	O Yes O No	Table 7.6.3.1-1 of ETSI GS MEC 033	n/a	Table 7.6.3.1-2 of ETSI GS MEC 033 IoTPlatformInfo (clause 6.2.3 of ETSI GS MEC 033)

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
11			PUT	<input type="radio"/> Yes <input type="radio"/> No	n/a	Table 7.6.3.2-2 of ETSI GS MEC 033 lotPlatformInfo (clause 6.2.3 of ETSI GS MEC 033)	Table 7.6.3.2-2 of ETSI GS MEC 033 lotPlatformInfo (clause 6.2.3 of ETSI GS MEC 033)
12			DELETE	<input type="radio"/> Yes <input type="radio"/> No	n/a	n/a	n/a
13			PATCH & POST	n/a	n/a	n/a	n/a

A.5.14 ETSI GS MEC 040

A.5.14.1 Test Requirements

Table A.5.9.1-1 reports the functional requirements of the Federation enablement APIs, as derived from the API definition in ETSI GS MEC 040.

Table A.5.14.1-1: Federation enablement APIs requirements

Requirement ID	Requirement description	Reference
Mec032.FE.01	MEC system discovery ([Federation-02] When the MEC system supports the feature MECFederation, the MEC system shall be able to select the appropriate external MEC system within the MEC federation that it is a part of based on essential prerequisites such as security (e.g. authentication, authorization, system topology hiding and encryption), charging, identity management and monitoring aspects.)	ETSI GS MEC 040, clause 5.1
Mec032.FE.02	MEC platform discovery ([Federation-03] When the MEC system supports the feature MECFederation, the MEC platform shall be able to discover the appropriate MEC platform (e.g. based on a list of their shared services, authorization and access policies) that belongs to an external MEC system within the MEC federation to enable MEC app-to-app communication or remote consumption of MEC services.)	ETSI GS MEC 040, clause 5.1
Mec032.FE.03	Information exchange between MEC systems ([Federation-04] When the MEC system supports the feature MECFederation, the MEC system shall be able to exchange the necessary information (e.g. including that relating to security (authentication/ authorization, system topology hiding/ encryption), charging, identity management and monitoring aspects) with an external MEC system within the MEC federation for the needs of MEC service consumption or for MEC app-to-app communication.)	ETSI GS MEC 040, clause 5.1
Mec032.FE.04	Information exchange between MEC platforms ([Federation-05] When the MEC system supports the feature MECFederation, the MEC platform shall be able to exchange the necessary information (e.g. shared services, authorization and access policies) with another MEC platform belonging to the same or a different MEC system within the MEC federation for the needs of MEC service consumption or for MEC app-to-app communication.)	ETSI GS MEC 040, clause 5.1
Mec032.FE.05	Support handling direct/indirect MEC system communication ([Federation-06] When the MEC system supports the feature MECFederation, the MEC system should be able to handle direct or indirect communication with other MEC systems within a MEC federation.)	ETSI GS MEC 040, clause 5.1
Mec032.FE.06	MEC application discovery ([Federation-07] When the MEC system supports the feature MECFederation, a MEC application instance of this MEC system shall be able to discover other MEC application instances of the same application in the same or a different MEC system, considering performance requirement for application clients. In addition, an MNO's MEC system shall support a suitable rule for the efficient handling of the traffic between a MEC application instance hosted in this MEC system and another MNO's access network where the application client is connected.)	ETSI GS MEC 040, clause 5.1
Mec032.FE.07	MEC application on-boarding/instantiation ([Federation-08] When the MEC system supports the feature MECFederation, the MEC system shall support the on-boarding and/or instantiation of a MEC application in response to a request by another MEC system containing the required key performance indicator value (e.g. latency).)	ETSI GS MEC 040, clause 5.1

Requirement ID	Requirement description	Reference
Mec032.FE.08	Information exchange among MEC applications ([Federation-09] When the MEC system supports the feature MECFederation, the MEC system shall support information exchange for enabling communication between multiple MEC application instances hosted on MEC systems of different MNOs. Each MEC application instance serves users connected to an MNO equipped with its respective MEC system (option 1). Also, the MEC system shall support MEC application instance to serve all application clients, including those connected to different MNOs (option 2). Especially in the case where there are three or more application clients in the group, the MEC system shall support both options at the same time.)	ETSI GS MEC 040, clause 5.1
Mec032.FE.09	MEC service discovery ([Federation-10] When the MEC system supports the feature MECFederation, the MEC platform shall be able to discover the appropriate MEC service. MEC service discovery in a MEC federation can be performed when a MEC system of the MEC federation wants to obtain MEC service availability. This process could be triggered in the case where the service consumer (e.g. a MEC application or a MEC platform of a MEC system the service discovery query originates from) needs the specific MEC service that is not available at the collocated MEC platform.)	ETSI GS MEC 040, clause 5.1

A.5.14.2 ICS

The list of Implementation Conformance Statements for the features addressed in the Federation enablement APIs is defined in Table A.5.9.2-1.

Table A.5.14.2-1: Federation enablement APIs

ID	Resource	Reference	HTTP Method	Support	Query parameters	Request Body	Response Body
1	A list of MEC system information /fed_resources/system_info	Table 7.2-1 in clause 7.2 of ETSI GS MEC 040	GET	O Yes O No	Table 7.3.3.1-1 of ETSI GS MEC 040	n/a	Table 7.3.3.1-2 of ETSI GS MEC 040 SystemInfo (clause 6.2.2 of ETSI GS MEC 040)
2			POST	O Yes O No	n/a	Table 7.3.3.4-2 of ETSI GS MEC 040 SystemInfo (clause 6.2.2 of ETSI GS MEC 040)	Table 7.3.3.4-2 of ETSI GS MEC 040 SystemInfo (clause 6.2.2 of ETSI GS MEC 040)
3			PUT, PATCH & DELETE	n/a	n/a	n/a	n/a
4	Individual MEC system information /fed_resources/system_info/{systemId}	Table 7.2-1 in clause 7.2 of ETSI GS MEC 040	GET	O Yes O No	Table 7.4.3.1-1 of ETSI GS MEC 040	n/a	Table 7.4.3.1-2 of ETSI GS MEC 040 SystemInfo (clause 6.2.2 of ETSI GS MEC 040)
5			PATCH	O Yes O No	n/a	Table 7.4.3.2-2 of ETSI GS MEC 040 SystemInfoUpdate (clause 6.2.3 of ETSI GS MEC 040)	Table 7.4.3.2-2 of ETSI GS MEC 040 SystemInfo (clause 6.2.2 of ETSI GS MEC 040)
6			DELETE	O Yes O No	n/a	n/a	n/a
7			PUT & POST	n/a	n/a	n/a	n/a

Annex B (informative): Change History

Date	Version	Information about changes
July 2019	0.0.1	Initial proposal: MECDECODE(19)000013r1
July 2019	0.0.2	Included changes approved in contributions: - MECDECODE(19)000016 - MECDECODE(19)000017 - MECDECODE(19)000018 - MECDECODE(19)000019 - MECDECODE(19)000020 - MECDECODE(19)000021 - MECDECODE(19)000022 - MECDECODE(19)000023 - MECDECODE(19)000024 - MECDECODE(19)000025 - MECDECODE(19)000026 - MECDECODE(19)000027
August 2019	0.0.3	Moved to Stable Draft having incorporated feedback from editHelp.
October 2020	0.0.4	MECDECODE(20)000025 MECDECODE(20)000026 MECDECODE(20)000027 MECDECODE(20)000033r1 MECDECODE(20)000034r1 MECDECODE(20)000036 MECDECODE(20)000037 MECDECODE(20)000038 MECDECODE(20)000039 MECDECODE(20)000040 MECDECODE(20)000041 MECDECODE(20)000042 MECDECODE(20)000061r2
December 2020	0.0.5	Removed hanging paragraphs in clause A.5.2 & A.5.4.
January 2021	3.0.1	MECDECODE(20)000075r1
November 2022	3.1.2	MECDECODE(22)000072 MECDECODE(22)000073 MECDECODE(22)000074
December 2022	3.1.3	MECDECODE(22)000087 MECDECODE(22)000089 MECDECODE(22)000090 MECDECODE(22)000091
March 2023	3.1.4	MECDECODE(23)000004 MECDECODE(23)000005 MECDECODE(23)000006r1
March 2023	3.1.5	MECDECODE(23)000018
May 2023	3.1.6	MECDECODE(23)000033
June 2023	3.1.7	MECDECODE(23)000040

History

Document history		
V2.1.1	December 2020	Publication
V3.1.1	April 2022	Publication
V3.2.1	August 2023	Publication