## ETSI GS MEC-DEC 032-3 V3.2.1 (2024-11)



Multi-access Edge Computing (MEC); API Conformance Test Specification; Part 3: Abstract Test Suite (ATS)

**Document Preview** 

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# Reference RGS/MEC-DEC32-3v321ApiTest Keywords API, conformance, MEC, testing

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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 3 of a multi-part deliverable. Full details of the entire series can be found in part 1 [i.7].

## 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 <u>ETSI Drafting Rules</u> (Verbal forms for the expression of provisions).

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## 1 Scope

Based on the testing methodology guidelines and framework specified in ETSI GR MEC-DEC 025 [i.1], the present document specifies part 3 of a multi-part deliverable on conformance test specification. Part 3 (the present document) provides the Abstract Test Suites (ATS) in TTCN-3 [i.3] and the Robot Framework [i.5] for:

- Application Package Management and Application Lifecycle Management as specified in ETSI GS MEC 010-2 [2];
- the MEC Application Enablement API specified in ETSI GS MEC 011 [3]; and
- the MEC service APIs.

The MEC service APIs in scope of the present document are specified in:

- ETSI GS MEC 012 [4];
- ETSI GS MEC 013 [5];
- ETSI GS MEC 014 [6];
- ETSI GS MEC 015 [7];
- ETSI GS MEC 016 [8];
- ETSI GS MEC 021 [9];
- ETSI GS MEC 028 [10]; I leh Standards
- ETSI GS MEC 029 [11]; Standards.iteh.ai
- ETSI GS MEC 030 [12].

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- ETSI GS MEC 033 [14]; and
- ETSI GS MEC 040 [15]. TSI GS MEC-DEC 032-3 V3.2.1 (2024-11)

## 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.

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

- [1] Void.
- [2] <u>ETSI GS MEC 010-2 (V3.1.1)</u>: "Multi-access Edge Computing (MEC); MEC Management; Part 2: Application lifecycle, rules and requirements management".
- [3] <u>ETSI GS MEC 011 (V3.2.1)</u>: "Multi-access Edge Computing (MEC); Edge Platform Application Enablement".

[4]	ETSI GS MEC 012 (V2.2.1): "Multi-access Edge Computing (MEC); Radio Network Information API".
[5]	ETSI GS MEC 013 (V3.1.1): "Multi-access Edge Computing (MEC); Location API".
[6]	ETSI GS MEC 014 (V3.1.1): "Multi-access Edge Computing (MEC); UE Identity API".
[7]	ETSI GS MEC 015 (V2.2.1): "Multi-access Edge Computing (MEC); Traffic Management APIs".
[8]	ETSI GS MEC 016 (V2.2.1): "Multi-access Edge Computing (MEC); Device application interface".
[9]	ETSI GS MEC 021 (V3.1.1): "Multi-access Edge Computing (MEC); Application Mobility Service API ".
[10]	ETSI GS MEC 028 (V2.3.1): "Multi-access Edge Computing (MEC); WLAN Access Information API".
[11]	ETSI GS MEC 029 (V2.2.1): "Multi-access Edge Computing (MEC); Fixed Access Information API".
[12]	ETSI GS MEC 030 (V3.1.1): "Multi-access Edge Computing (MEC); V2X Information Services API".
[13]	ETSI GS MEC-DEC 032-2 (V3.2.1): "Multi-access Edge Computing (MEC); API Conformance Test Specification; Part 2: Test Purposes (TP)".
[14]	ETSI GS MEC 033 (V3.1.1): "Multi-access Edge Computing (MEC); IoT API".
[15]	ETSI GS MEC 040 (V3.1.1): "Multi-access Edge Computing (MEC); Federation enablement APIs".

## 2.2 Informative references ent Preview

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[i.1]	ETSI GR MEC-DEC 025 (V2.1.1) (06-2019): "Multi-access Edge Computing (MEC); MEC Testing Framework".		
[i.2]	ETSI ETS 300 406 (1995): "Methods for testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardization methodology".		
[i.3]	ETSI ES 201 873-1 (V4.12.1): "Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Part 1: TTCN-3 Core Language".		
[i.4]	ETSI ES 201 873-11 (V4.8.1): "Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Part 11: Using JSON with TTCN-3".		
[i.5]	Robot Framework User Guide, v3.2.2.		
[i.6]	ETSI EG 202 810 (V1.1.1) (03-2010): "Methods for Testing and Specification (MTS); Automated Interoperability Testing; Methodology and Framework".		
[i.7]	ETSI GS MEC-DEC 032-1: "Multi-access Edge Computing (MEC); API Conformance Test Specification; Part 1: Test Requirements and Implementation Conformance Statement (ICS)".		
[i.8]	ETSI GR MEC 001 (V3.1.1): "Multi-access Edge Computing (MEC) Terminology".		