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TECHNICAL SPECIFICATION

**Intelligent Transport Systems (ITS);
Application Object Identifier (ITS-AID);
Registration;
Release 2**

Reference

RTS/ITS-991

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ETSI

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Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Intelligent Transport Systems (ITS).

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 present document is in support of global registration for ITS-AID values for purposes of ETSI TC ITS. The technical issue of globally unique identifiers and addresses, one of which is ITS-AID, is standardized in ISO 17419 [1].

1   Scope

The present document:

- provides a hyperlink to a template to request a new entry in the list;

- lists the assigned ITS-AID values for ETSI-ITS.

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]   ISO 17419: "Intelligent transport systems -- Cooperative systems -- Globally unique identification".

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.

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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]   Void.

[i.2]   ETSI TS 103 900: "Intelligent Transport Systems (ITS); Vehicular Communications; Basic Set of Applications; Cooperative Awareness Service; Release 2".

[i.3]   ETSI TS 103 831: "Intelligent Transport Systems (ITS); Vehicular Communications; Basic Set of Applications; Decentralized Environmental Notification Service; Release 2".

[i.4]   ETSI TS 103 301: "Intelligent Transport Systems (ITS); Vehicular Communications; Basic Set of Applications; Facilities layer protocols and communication requirements for infrastructure services; Release 2".

[i.5]   ETSI TS 103 836-4-1: "Intelligent Transport Systems (ITS); Vehicular Communications; GeoNetworking; Part 4: Geographical Addressing and Forwarding for Point-to-Point and Point-to-Multipoint Communications; Sub-part 1: Media-Independent Functionality; Release 2".

[i.6]   ETSI EN 302 890-1: "Intelligent Transport Systems (ITS); Facilities layer function; Part 1: Services Announcement (SA) specification".

[i.7]   ETSI TS 102 941: "Intelligent Transport Systems (ITS); Security; Trust and Privacy Management; Release 2".

[i.8]   ETSI TS 103 300-3: "Intelligent Transport Systems (ITS); Vulnerable Road Users (VRU) awareness; Part 3: Specification of VRU awareness basic service; Release 2".

[i.9]   ETSI TS 103 724: "Intelligent Transport Systems (ITS); Facilities layer function; Interference Management Zone Message (IMZM); Release 2".

[i.10]   ETSI TS 103 324: "Intelligent Transport System (ITS); Vehicular Communications; Basic Set of Applications; Collective Perception Service; Release 2".

[i.11]   ETSI TS 103 759: "Intelligent Transport Systems (ITS); Security; Misbehaviour Reporting service; Release 2".

[i.12]   ETSI TS 103 882: "Intelligent Transport Systems (ITS); Automated Vehicle Marshalling (AVM); Release 2".

[i.13]   ETSI TS 103 916: "Intelligent Transport Systems (ITS); Parking Availability Service; Release 2".

3 Definition of terms, symbols and abbreviations

3.1 Terms

For the purposes of the present document, the terms given in ISO 17419 [1] apply.

3.2 Symbols

Void.

3.3 Abbreviations

For the purposes of the present document, the following abbreviations apply:

AVM	Automated Vehicle Marshalling
CA	Cooperative Awareness
CP	Collective Perception
DEN	Decentralized Environmental Notification
GN	GeoNetworking
GN-MGMT	GeoNetworking Management Communications
GPC	GNSS Positioning Service
IMZ	Interference Management Zone
ITS-AID	ITS-Application IDentifier
IVI	Infrastructure to Vehicle Information
MR	Misbehaviour Reporting
POI	Point Of Interest
RLT	Road and Lane Topology
TLC	Traffic Light Control
TLM	Traffic Light Maneuver
VRU	Vulnerable Road User

4 ITS-AID registration list

The assigned ITS-AID values for ETSI-ITS are provided in Annex A.

In order to request assignment of an ITS-AID the applicant shall use the template given in ISO 17419 [1].

Annex A (normative):
ITS-AID assigned for ETSI ITS

ETSI Cooperative ITS shall use the assigned ITS-AIDs provided in Table A.1.

Table A.1: ETSI ITS standardized ITS-AIDs

Date of application	ITS-AID value	Length in octets	ITS application name	Type	Notes
January 2015	36	1	CA basic service	ITS application	CA service as specified in ETSI TS 103 900 [i.2]
January 2015	37	1	DEN basic service	ITS application	DEN service as specified in ETSI TS 103 831 [i.3]
January 2015	137	2	TLM service	ITS application class	TLM service as specified in ETSI TS 103 301 [i.4]
January 2015	138	2	RLT service	ITS application class	RLT service as specified in ETSI TS 103 301 [i.4]
January 2015	139	2	IVI service	ITS application class	IVI service as specified in ETSI TS 103 301 [i.4]
February 2016	141	2	GN-MGMT	ITS application	GN-MGMT as specified in ETSI TS 103 836-4-1 [i.5]
November 2017	540 801	3	SA service	ITS application	SA service as specified in ETSI EN 302 890-1 [i.6]
March 2018	622	2	CRL service	ITS application	CRL service as specified in ETSI TS 102 941 [i.7]
March 2018	623	2	Secured certificate request service	ITS application	Secure certificate request service as specified in ETSI ETSI TS 102 941 [i.7]
March 2018	624	2	CTL service	ITS application	CTL service as specified in ETSI TS 102 941 [i.7]
July 2018	540 802	3	GPC service	ITS application	GPC service as specified in ETSI TS 103 301 [i.4]
January 2020	639	2	CP service	ITS application	CP service as specified in ETSI TS 103 324 [i.10]
January 2020	638	2	VRU Awareness basic service	ITS application	VRU Awareness basic service as specified in ETSI TS 103 300-3 [i.8]
January 2020	140	2	TLC Request service	ITS application	TLC Request service as specified in ETSI TS 103 301 [i.4]
January 2020	637	2	TLC Status service	ITS application	TLC Status service as specified in ETSI TS 103 301 [i.4]
October 2021	640	2	IMZ basic service	ITS application	IMZ basic service as specified in ETSI TS 103 724 [i.9]
February 2023	1618	2	MR Service	ITS application	MR Service as specified in ETSI TS 103 759 [i.11]
April 2024	71	1	AVM Service	ITS application	AVM service as specified in ETSI TS 103 882 [i.12]
April 2024	1.619	2	POI Service	ITS application	Parking Availability Service as specified in ETSI TS 103 916 [i.13]

History

Document history		
V1.1.1	March 2013	Publication as ETSI TR 102 965
V1.2.1	June 2015	Publication
V1.3.1	November 2016	Publication
V1.4.1	November 2018	Publication
V1.5.1	January 2020	Publication
V2.1.1	November 2021	Publication
V2.2.1	July 2024	Publication