

ISO 21215:2018 (E)

Intelligent transport systems — Localized communications — ITS-M5

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Symbols and abbreviated terms
5	General requirements
5.1	IEEE 802.11
5.2	Architecture
5.3	Hybrid communications support
5.4	Path and flow management support
5.5	MI-SAP support
6	Communication interface protocol stack
6.1	Physical layer
6.2	Medium access control sub-layer
6.3	Logical link control sub-layer
6.4	Communication adaptation sub-layer
7	Communication interface management
7.1	General management
7.2	Management adaptation entity
7.2.1	802.11 parameters and I-Parameters
7.2.2	802.11 commands and MI-SAP commands and requests
7.2.3	802.11 management frames
8	Procedures
8.1	Communication interface procedures
8.1.1	Transmit procedures
8.1.2	Receive procedures
8.2	Management procedures
8.2.1	MAC address conflict
8.2.2	Pseudonym MAC address change
8.2.3	Cross-CI prioritization
8.2.4	Communication range reference
9	Conformance
10	Test methods
Annex A	(normative) Communication interface parameters
A.1	General
A.2	I-Parameters specific to ITS-M5
A.3	Default values of I-Parameters
Annex B	(normative) MI-COMMANDS
B.1	General
B.2	Required functionality

Annex C (normative) MI-REQUESTs

- C.1 General**
- C.2 Required functionality**

Annex D (normative) ASN.1 definitions

- D.1 Overview**
- D.2 Module ITSm5**
- D.3 Definitions to be added in ISO 21218**

Annex E (normative) Path and flow management support

Annex F (informative) Frequency allocations

- F.1 General**
- F.2 Region 1**
 - F.2.1 Europe**
 - F.2.2 Middle East**
 - F.2.3 Africa**
 - F.2.4 The former Soviet Union, including Siberia; and Mongolia**
- F.3 Region 2**
- F.4 Region 3**

Annex G (normative) Implementation conformance statement proforma

- G.1 Purpose of the ICS proforma**
- G.2 Detailed conformance statements**
 - G.2.1 Design choices**
 - G.2.2 Basic protocol features**
 - G.2.3 MI-COMMANDs specific to ITS-M5**
 - G.2.4 MI-REQUEST**
 - G.2.5 I-Parameters**

Page count: 28