

ISO 20529-2:2021-11 (E)

Intelligent transport systems - Framework for Green ITS (G-ITS) standards - Part 2: Integrated mobile service applications

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms, definitions, symbols and abbreviated terms	1
3.1	Terms and definitions	1
3.2	Abbreviated terms	2
4	Document overview and structure	3
5	General information	3
5.1	Purpose of this document	3
5.2	Overview of G-ITS services	3
6	Use case overview and definitions	5
6.1	Use case overview	5
6.1.1	Basic principles for use cases	5
6.1.2	Use case clusters	5
6.2	Use case definition	7
6.2.1	Service applications 1: Route selection	7
6.2.2	Service applications 2: Passenger-car-based	11
6.2.3	Service Applications 3: Non-passenger-car-based	19
7	G-ITS data exchange format	20
7.1	Schedule-Info-Edit	20
7.1.1	Definition	20
7.1.2	Example	21
7.2	Schedule-Info-Req	22
7.2.1	Definition	22
7.2.2	Example	23
7.3	Schedule-Info	23
7.3.1	Definition	23
7.3.2	Example	24
7.4	Route-Plan-Req	25
7.4.1	Definition	25
7.4.2	Example	26
7.5	Route-Plan-Info	27
7.5.1	Definition	27
7.5.2	Example	29
7.6	Route-Pub-Req	32
7.6.1	Definition	32
7.6.2	Example	33
7.7	Route-Pub-Res	34
7.7.1	Definition	34
7.7.2	Example	36
7.8	Carbon-Free-Info	38
7.8.1	Definition	38

7.8.2	Example	40
7.9	Mobile-Card-Edit	41
7.9.1	Definition	41
7.9.2	Example	41
7.10	Eco-Driving-Info	42
7.10.1	Definition	42
7.10.2	Example	43
7.11	Eco-Driving-Res	44
7.11.1	Definition	44
7.11.2	Example	45
7.12	Eco-Traffic-Info	46
7.12.1	Definition	46
7.12.2	Example	47
7.13	Eco-Weather-Info	49
7.13.1	Definition	49
7.13.2	Example	50
7.14	Eco-Accident-Info	52
7.14.1	Definition	52
7.14.2	Example	52
7.15	Route-Navi-Req	53
7.15.1	Definition	53
7.15.2	Example	54
7.16	Route-Navi-Info	55
7.16.1	Definition	55
7.16.2	Example	56
7.17	Parking-Lot-Info	57
7.17.1	Definitions	57
7.17.2	Example	59
7.18	Parking-Ride-Info	60
7.18.1	Definition	60
7.18.2	Example	61
7.19	User-Response	62
7.19.1	Definition	62
7.19.2	Example	63
Bibliography		64