

ISO 22085-3:2022-01 (E)

Intelligent transport systems (ITS) - Nomadic device service platform for micro mobility - Part 3: Data structure and data exchange procedures

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms, definitions and abbreviated terms	1
3.1	Terms and definitions	1
3.2	Abbreviated terms	2
4	Overview	3
4.1	Introduction	3
4.2	Message overview	4
5	Data structure	5
5.1	Data structure for request-mm-status	5
5.2	Data structure for mm-status-response	5
5.3	Data structure for stop-notify-mm-status	6
5.4	Data structure for notify-mm-service	6
5.5	Data structure for stop-notify-mm-service	7
5.6	Data structure for charging-station-information	8
5.7	Data structure for parking-space-information	8
5.8	Data structure for reservation-information	9
5.9	Data structure for public-transit-schedule	10
5.10	Data structure for public-transit-reserved-information	10
5.11	Data structure for navigation-route-information	11
5.12	Data structure for traffic-information	11
5.13	Data structure for accident-information	12
5.14	Data structure for danger-zone-information	12
5.15	Data structure for warning-message	13
5.16	Data structure for toll-balance-information	14
5.17	Data structure for disconnection-warning-message	15
5.18	Data structure for return-information	16
5.19	Data structure for payment-information	17
5.20	request-public-transit-schedule	18
5.21	request-public-transit-reservation	18
6	Data exchange procedure	19
6.1	Overview	19
6.2	Pre-trip	19
6.2.1	General	19
6.2.2	UC 1.1 MM information providing service	19
6.2.3	UC 1.2 Navigation service-linked information on charging station	20
6.2.4	UC 1.3 Pre-scanning available parking space service	21
6.2.5	UC 1.4 MM sharing service	22
6.2.6	UC 1.5 MM as an integrated mobility service	23
6.3	En-route	24
6.3.1	General	24
6.3.2	UC 2.1 Traffic information providing service	24
6.3.3	UC 2.2 MM status monitoring service	25
6.3.4	UC 2.3 Mobile tolling service	26

6.3.5	UC 2.4 Adaptive route management service.....	27
6.3.6	UC 2.5 Searching available parking space service on the way.....	28
6.3.7	UC 2.6 Keyless go service for shared MM.....	29
6.3.8	UC 2.7 Interconnected transfer information providing service	30
6.4	Post-trip.....	31
6.4.1	General.....	31
6.4.2	UC 3.1 MM driving information providing service	31
6.4.3	UC 3.2 Charging station information service.....	32
6.4.4	UC 3.3 Parked MM position providing service	33
6.4.5	UC 3.4 Shared MM return service	34
Bibliography.....		36