

ISO/TS 17425:2016-05 (E)

Intelligent transport systems - Cooperative systems - Data exchange specification for in-vehicle presentation of external road and traffic related data

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	2
3	Terms and definitions	2
4	Symbols and abbreviated terms	4
5	Service definition and main concepts	4
5.1	General	4
5.2	Service definition	6
5.2.1	Definition	6
5.2.2	Message categories	6
5.2.3	Core services	6
5.2.4	Additional services	7
5.3	Fundamental parameters	7
5.3.1	Spatial relevance	7
5.3.2	Temporal validity	8
5.3.3	Other parameters	9
5.4	Example of system implementation	9
5.4.1	General description	9
5.4.2	Interface identification	10
6	Roles and responsibilities	10
6.1	Scenarios for In-Vehicle Signage	10
6.2	System operation roles in scenario I-I-V	12
6.3	Possible actors in In-Vehicle Signage	13
7	Requirements and recommendations	14
7.1	General	14
7.2	General requirements	14
7.3	Message content	14
7.4	Message management requirements	15
7.4.1	IVS sending ITS station requirements	15
7.4.2	Roadside ITS station	16
7.4.3	IVS receiving ITS station requirements	16
7.4.4	Transmission of IVS information to the HMI control unit	17
7.5	Recommendations for information processing in relation with the presentation to vehicle drivers	18
Annex A (informative)	Profile 1	20
Annex B (informative)	Profile 2	86
Annex C (informative)	Elements about static road signing	90
Annex D (informative)	Different technologies and layouts used in VMS	92

Annex E (informative) Topology of the relevance zone of the different road signs	95
Annex F (informative) Elements of data modelling using UML	100
Bibliography	103