

DIN CEN ISO/TS 17425:2016-09 (E)

Intelligent transport systems - Cooperative systems - Data exchange specification for in-vehicle presentation of external road and traffic related data (ISO/TS 17425:2016); English version CEN ISO/TS 17425:2016

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