

ISO 24533-2:2022-05 (E)

Intelligent transport systems - Electronic information exchange to facilitate the movement of freight and its intermodal transfer - Part 2: Common reporting system

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Symbols and abbreviated terms	6
5 Intermodal freight context	7
5.1 General.....	7
5.2 Intermodal vs. multimodal relationship.....	7
5.3 Common intermodal transport framework.....	8
6 Common reporting system	10
7 The model and its requirements	11
7.1 Introduction.....	11
7.2 Overall structure.....	11
7.2.1 General.....	11
7.2.2 Class diagram.....	13
7.2.3 CRS model in tabular format and XML schema file.....	15
7.2.4 CRS Model as an XML-based file.....	16
7.3 Views of the CRS.....	17
7.3.1 General.....	17
7.3.2 Consignment-oriented view.....	18
7.3.3 Transport means-oriented view.....	18
7.4 Important structures.....	19
7.5 Consignment and goods item.....	19
7.5.1 Consignment.....	19
7.5.2 Goods item.....	20
7.5.3 Goods item structure.....	21
7.5.4 Item class structure.....	21
7.5.5 Transport means structure.....	22
7.5.6 Maritime transport class.....	23
7.5.7 Shipment stage.....	24
7.5.8 Location class from UBL.....	25
8 Using the CRS in practice	26
8.1 General.....	26
8.2 CRS message profiles.....	27
9 Summary of benefit	27
Annex A (informative) Background to the Common Reporting System (CRS)	29
Annex B (informative) EU research projects contributing to the CRS	38
Annex C (informative) Analysis of information content	39
Annex D (informative) The CRS in practice	43
Annex E (informative) The CRS elements library	48
Bibliography	110