

ISO 24531:2013-05 (E)

Intelligent transport systems - System architecture, taxonomy and terminology - Using XML in ITS standards, data registries and data dictionaries

Contents		Page
Foreword		v
Introduction		vi
1 Scope		1
2 Conformance		1
3 Normative references		1
4 Terms and definitions		2
5 Abbreviated terms		7
6 Document convention		8
7 Requirements		9
7.1 Required conditions		9
7.2 Required items		9
7.3 Rules for modelling data exchanges		9
7.4 Rules for using XML in ITS standards		12
8 Rules for registration and management of XML schema constructs in data registry (DR) and/or data dictionaries (DDs)		34
8.1 Objectives of schema constructs registration and management		34
8.2 Why use ISO 14817 data registry/ data dictionary (DR/DD)?		35
8.3 Schema constructs mapping to the ISO 14818 constructs		35
8.4 Registration and management rules		36
Annex A (informative) Model/document transformation		37
Annex B (normative) Definition of the Message class		40
Annex C (informative) Example Message Exchange: Model		47
Annex D (normative) Unqualified data type schema		50
Annex E (normative) Common basic components schema		68
Annex F (normative) Common aggregate components schema		72
Annex G (normative) Common extension components schema		79
Annex H (normative) Extension content data type schema		82
Annex I (normative) Common message components schema		84
Annex J (informative) Example message exchange: request message schema		86
Annex K (informative) Example message exchange: response message schema		88

Annex L (informative)Examplemessageexchange:defaultgenericcodefiles	90
Annex M (informative)Examplemessageexchange:defaultcontextvalueassociationfile	95
Annex N (informative)ExampleCVAttransformationfile	97
Annex O (informative)Examplemessageexchange:defaultvaluevalidationtransformationfile.99	
Annex P (informative)Examplemessageexchange:customizedgenericcodefiles	101
Annex Q (informative) Example message exchange: customized context value associationfile	104
Annex R (informative) Example message exchange: customized value validation transformationfile	106
Annex S (informative) Example message exchange: customized extension content data type schema	108
Annex T (informative)Examplemessageexchange:customizeddatatypedefinition	112
Annex U (informative) Example message exchange: example request	113
Annex V (informative) Example message exchange: example responses	114
Bibliography	123