

Contents

	Page
1 Scope.....	7
1.1 Interfaces specified by this Standard.....	7
1.2 Use of the SIRI standard.....	9
1.3 Limitations on SIRI and Possible Future Developments.....	10
2 Normative references.....	11
3 Terms and definitions	11
3.1 Transport Related Terms.....	11
3.2 Communications and Software Concepts	34
4 Symbols and abbreviations	46
5 Types of Reference Data Used in SIRI	47
5.1 General.....	47
5.2 Date and time format.....	48
5.3 Location coordinate system	49
5.4 National language of text elements	50
5.5 Participant (information provider) identification.....	50
5.6 Participant pair identification (service participant pair code).....	51
5.7 Point and place references	51
5.8 Vehicle journey references.....	53
5.9 Line, and direction references.....	54
5.10 Stop sequence references and circular journeys.....	55
5.11 Schedule version references	57
5.12 Product category references	57
5.13 Vehicle feature references.....	58
5.14 Service features	58
5.15 Situation references	60
5.16 Summary of Data Reference Scopes	61
5.17 Transmodel Compliant Models	62
5.18 Modelling Vehicle Journeys in SIRI.....	62
6 Notation	70
6.1 Representation of XML model elements in Text.....	70
6.2 Representing Relationships in SIRI	70
6.3 Notation for XML model structures of SIRI messages	71
6.4 Notation for Diagrams	73
Annex A (informative) Checklist for Implementing SIRI	74
A.1 Usage of the DSRC application layer.....	74
A.2 Legal and Commercial Issues.....	74
A.3 Functional Aspects.....	74
A.4 Operational Aspects	77
Annex B (informative) Business Context.....	78
B.1 Purpose of This Section.....	78
B.2 Business Model	79
B.3 Use of information in Public Transport	82
B.4 Use Cases for this Standard	87
B.5 SIRI System Model.....	92

Annex C (informative) Background and Mapping of Some Current Implementations to SIRI.....	97
C.1 Introduction.....	97
C.2 SIRI origins.....	97
C.3 Deployment Example – Berlin.....	100
C.4 Deployment Example – Hamburg	101
C.5 Deployment Example – West Yorkshire	102
C.6 Deployment Example – Czech Republic.....	103
C.7 Deployment Example – Copenhagen	104
C.8 Deployment example – Île-de-France.....	106
C.9 SIRI Equivalences.....	107