ISO/TR 17427-6:2015-11 (E)

Intelligent transport systems - Cooperative ITS - Part 6: 'Core system' risk assessment methodology

Contents

Page

Foreword iv

Introduction vi

1 Scope 1

2 Termsanddefinitions 1

3 Abbreviated terms 2

4 How to use this Technical Report 2
4.1 Acknowledgements 2
4.2 C-ITS `Core System' risks 3
4.3 `Core System' overview 5
4.4 Non `Core System' risks 6

5 Tools to assess risk 7
5.1 General 7
5.1.1 Technology risk 7
5.1.2 Technical risk 7
5.1.3 Financial risk 7
5.1.4 Liability 7
5.2 Operational phases of risk assessment 7
5.3 Risk evaluation explanation 8
5.4 Categorization of risk 10

6 Risks for the core system 11
6.1 Risks associated with an individual `Core System' 11
6.1.1 Timely deployment 11
6.1.2 Relationships between `Core Systems' and external enterprises 12
6.1.3 Adequate operations and maintenance personnel 13
6.2 Risks associated with multiple `Core Systems' 13
6.2.1 Role and makeup of the `Core Certification Authority' 14
6.2.2 External support system (ESS) for security 16
6.2.3 Operations and maintenance (O&M) of the security `External Support System' (ESS) 17
6.2.4 Security management 18
6.2.5 System performance management 19
6.2.6 Privacy 20
6.2.7 Device certification 21
6.3 Consideration of other risks 21

Bibliography 23