ISO/TR 17427-7:2015-11 (E)

Intelligent transport systems - Cooperative ITS - Part 7: Privacy aspects

Contents

Page

Foreword iv

Introduction vi

1 Scope 1

2 Termsanddefinitions 1

3 Abbreviations and acronyms 2

4 How to use this Technical Report 2
4.1 Acknowledgements 2
4.2 Guidance 3
4.3 ITS and `Privacy' 3
4.4 C-ITS `Privacy' issues 4
4.4.1 General C-ITS `Privacy' issues 4
4.4.2 Examples of vehicle tracking 6
4.4.3 Anonymity 6
4.4.4 Deployment models 8

5 C-ITS Actors and Privacy 9
5.1 C-ITS and jurisdictions 9
5.1.1 United States 9
5.1.2 Europe 10
5.1.3 Australia 12
5.1.4 Other countries 14
5.1.5 International Standards 14
5.1.6 Privacy and governments 14
5.2 C-ITS and road operators/managers 15
5.2.1 Jurisdictions 15
5.2.2 `Core' systems 16
5.3 C-ITS and manufacturers 16
5.4 C-ITS information/application service providers 16
5.5 C-ITS, drivers and vehicle owners 17
5.6 Further reading 17
5.7 Aspects relating to probe vehicle information services 17

6 Policy questions and approaches 17
6.1 Is specific regulation required for C-ITS? 17
6.1.1 Option 1: Continue current approach 17
6.1.2 Option 2: Privacy code 18
6.1.3 Option 3: Provide guidance on best practice 18
6.1.4 Option 4: Legislate C-ITS governance arrangements and use of information 18
6.1.5 Option 5: Legislate technical standards to protect privacy 18
6.1.6 Option 6: Match and copy mobile phone privacy measures 18

7 Summaryoffindings 19
7.1 General 19
7.2 Principal opinions 20
7.3 Privacy -- Private Sector 22
7.4 Privacy -- Public Sector 22

Bibliography 23