

DIN CEN/TS 14821-5:2005-06 (E)

Traffic and Travel Information (TTI) - TTI messages via cellular networks - Part 5: Internal services; English version CEN/TS 14821-5:2003

Inhalt	Seite
TABLE OF CONTENTS	2
FOREWORD	3
INTRODUCTION	4
1. SCOPE	5
2. NORMATIVE REFERENCES	6
3. DEFINITIONS AND ABBREVIATIONS	7
3.1 Definitions.....	7
3.2 Abbreviations.....	9
4. SPECIFICATION OF INTERNAL SERVICES – CONFIGURATION AND MASTER DATA UPDATE	14
4.1 Goal of the Service.....	14
4.2 Access Management.....	14
4.3 Master Data Management.....	14
4.4 Key Management.....	14
4.5 Function Contents and Handling of Access Management.....	15
4.6 General.....	17
4.7 Configuration Request initiated by the Onboard Equipment.....	17
4.8 Configuration Update sent by the Service Center.....	17
4.9 Handling Sequence of Access Management.....	26
4.10 Requirements for the Onboard Equipment.....	33
4.11 Function Contents and Handling of Master Data Management.....	34
5. SPECIFICATION OF KEY MANAGEMENT AND SECURITY	36
5.1 Descriptions for Operators.....	36
5.2 Roles in Key Management.....	36
5.3 Encryption of User Data.....	43
5.4 Key Exchange Procedures.....	48
5.5 Cryptographic Function in the Onboard Equipment.....	61
6. ADP FOR CAS FUNCTIONALITY -CONFIGURATION AND KEY MANAGEMENT	65
6.1 General Definitions and Information Elements.....	65
6.2 Configuration Management.....	67
6.3 Key Management.....	73
6.4 ADP for CAS Functionality -Configuration and Key Management - Specification in ASN.1.....	82
7. SPECIFICATION OF DIAGNOSTIC SERVICES	94
7.1 Goal of the Service.....	94
7.2 Function Contents and Handling of Diagnosis Functions.....	94
7.3 Communications Flow between On-Board Equipment and TT Call Office.....	95
7.4 Requirements for the Onboard Equipment.....	96
8. ADP FOR DIAGNOSTIC SERVICES - GENERAL DEFINITIONS AND INFORMATION ELEMENTS	97
8.1 General.....	97
8.2 Diagnostic Request Message.....	97
8.3 Diagnostic Message.....	99
8.4 ADP for Diagnostic Services - Specification in ASN.1	101
BIBLIOGRAPHY	104