

ANSI-41 MAP

ANSI 12/97

Statement of Compliance
- Ericsson Proprietary Operations

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1. GENERAL

1.1 INTRODUCTION

This document contains a compliance statement of Ericsson Signaling ANSI-41 MAP, ANSI 12/97 protocol layer versus technical reports published by Ericsson. For further details on standard compliance see ref. [E3].

- Mobile Positioning specification from Ericsson, see reference [E1].
- IS-41 Interface with Prepaid Administration System (PPAS), see reference [E2].

The MPC standard document refer to the ANSI-41-D standard for some parameters and operations. For a compliance statement of these parameters and operations see ref. [E3].

1.2 TERMS

ANSI	American National Standards Institute
ANSI-41	ANSI Standard 41(formerly known as IS-41)
EIA	ELectronic Industries Association
EIN	Ericsson Infotech AB
IS	Interim Standard
ITU	International Telecommunication Union
MAP	Mobile Application Part
MPC	Mobile Position Center
PPAS	Prepaid Administration System
SCCP	Signaling Connection Control Part
SS7	Signaling System 7
TCAP	Transaction Capabilities Application Part
TDMA	Time Division Multiple Access
TIA	Telecommunications Industry Association

1.3 CONCEPT

The terms that are used are:

- | | |
|---|--|
| C | EIN module complies with the specified paragraph in the standard. |
| N | EIN module does not comply with the specified paragraph in the standard. |

- P EIN module complies partly with the specified paragraph in the standard. Specify in a note what in the module that does comply and what that does not.
- There is nothing to implement in the referred paragraph (used in column "C").

1.4 HISTORY

Revision	Date	Author	Comment
A	2000-03-28	EINPaWe	Initial version based on 174 02-CAA 201 16 Uen, rev. B. Extracted Ericsson proprietary operations from main SOC, ref. [E3]. Approved according to 21/17017 - CAA201 16 Ux, rev. A.
B	2006-06-20	Daniel Rååd	Changed version to R6. Only title of document is changed. No real changes.
C	2007-10-18	Jens Rydholm	Only title of document changed. No real changes.

1.5 REFERENCES

Ericsson

- [E1] Technical Report, Mobile Positioning, Stage 3 Description for the ANSI 41 messages, 37/0360-FCP 103 1763, rev. A
- [E2] IS-41 Interface with Prepaid Administration System (PPAS), 1/155 19-HRC 106 02 Uen, rev. A
- [E3] ANSI-41 MAP, ANSI 12/97, Statement of Compliance, 174 02-CAA 201 16 Uen

2. COMPLIANCE LISTS

2.1 MOBILE POSITIONING, STAGE 3 DESCRIPTION FOR THE ANSI-41 MESSAGES

Reference	C	N	P	Comments
1. Introduction	-			
2. ANSI 41 Operations	-			
2.1 InterSystem Position Request	X			<i>Note 3, Note 5, Note 6</i>
2.2 InterSystem Position Directive	X			<i>Note 1, Note 4, Note 5, Note 6</i>
2.3 InterSystem Position Cancellation	X			<i>Note 3, Note 5, Note 6</i>
3. New parameters	-			
3.1 PositionDeterminationResult	X			
3.2 PositionRequestType	X			
3.3 PositionRequestReport	X			
3.4 PositionCancellationReason	X			
3.5 PositionCancellationResult	X			
3.6 ISPOSREQIndicators	X			
3.7 GeodeticLocation	X			<i>Note 2</i>
3.8 MPAccuracy	X			
3.9 MobileInformation	X			
4. ANSI 41 Encoding	-			
4.1 Operation Specifiers	X			
4.2 Mapping of Operations onto TCAP Package Types	X			
4.3 Operation Timer Values	X			
4.4 Repetition of the Operations	X			
4.5 Parameter Identifiers	X			
5. Glossary	-			

Reference	C	N	P	Comments
6. References	-			
7. Appendix	X			
7.1.2.4 Geodetic Location (GeoLocation) parameter description	X			
7.1.2.4.1 Ellipsoid point shape description		X		
7.1.2.4.2 Ellipsoid point with uncertainty circle shape description	X			
7.1.2.4.3 Point with altitude and point uncertainty shape description	X			
7.1.2.4.4 Polygon shape description	X			

2.2 IS-41 INTERFACE WITH PREPAID ADMINISTRATION SYSTEM

Reference	C	N	P	Comments
1 Purpose	-			
2 Revision information	-			
3 Introduction	-			
3.1 Acronym List	-			
3.2 Organization	-			
3.3 General Message Structure	X			
3.4 Information	X			
4 Message Description	-			
4.1 Query			X	Note 3
5 Parameter Definition	-			
5.1 Parameter Identifier Encoding	X			
5.2 Parameter Descriptions	-			

Reference	C	N	P	Comments
5.2.1 Actual Duration	X			
5.2.2 Allowed Call Duration	X			
5.2.3 Carrier Digits	X			
5.2.4 Miscellaneous Information	X			
5.2.5 Mobile Directory Number	X			
5.2.6 QueryType	X			
5.2.7 Release Reason	X			
5.2.8 Routing Digits	X			
5.2.9 Setup Code	X			
5.2.10 Start Time	X			
5.2.11 Not Modified Parameters	-			
6 Signaling Sequences	-			
6.1 Query	-			
6.1.1 - 6.1.2			X	Note 7
7 References	-			

3. NOTES AND COMMENTS

- | | |
|--------|--|
| Note 1 | The Operation Code Identifier is coded as Private TCAP and not as SET[NATIONAL 18]. |
| Note 2 | Implemented for all Shape descriptions except for Ellipsoid point shape description which length is 7 octets instead of the minimum length, 8 octets |
| Note 3 | Supported as incoming operation only. |
| Note 4 | Supported as outgoing operation only. |
| Note 5 | Only recognized parameters are verified and checked by the ANSI-41 MAP. If unrecognized parameters are received they are passed transparently through the ANSI-41 MAP protocol layer to the application. |
| Note 6 | Additional parameters to those recognized by the ANSI-41 MAP may be sent for outgoing operations in TCAP INVOKE(LAST) and for incoming operations in the TCAP RETURN RESULT. Additional parameters are the responsibility of the application and are sent transparently through the ANSI-41 MAP, hence no verification of these parameters are provided. |
| Note 7 | Only the PPAS is supported. |