

BSSAP-LE

3GPP

STATEMENT OF COMPLIANCE

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1 General

1.1 Introduction

This document provides a detailed description of the degree, to which BSSAP conforms to the 3GPP recommendation.

1.2 Concept

The terms that will be used are:

C	EAB module complies with the specified paragraph in the standard.
N	EAB module does not comply with the specified paragraph in the standard.
P	EAB 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.
-	Not applicable for EAB modules in the referred requirement (used in column “C”)





2 Compliance Lists

2.1 3GPP TS 49.031 V9.0.0/V10.0.0 Recommendation

Table 1

References	C	N	P	Comments
1. Scope	-			
2. References	-			
3. Definitions, abbreviations and symbols	-			
4. Definition of BSSAP-LE	-			
4.1 DTAP-LE Messages		X		
4.2 BSSMAP-LE Messages			X	Page 15
5 Procedures applicable to use of BSSAP-LE	-			
5.1 Location Request	-			
5.1.1 Successful Operation	-			
5.1.2 Unsuccessful Operation	-			
5.1.3 Abnormal Conditions	-			
5.1.4 Overload	-			
5.2 Connection Oriented Information Transfer	-			
5.2.1 Successful Operation	-			
5.2.2 Abnormal Condition	-			
5.2.3 Segmentation	X			

Table 1

References	C	N	P	Comments
5.3 Connectionless Information Transfer	-			
5.3.1 Successful Operation	-			
5.3.2 Unsuccessful Operation	-			
5.3.3 Abnormal Condition	-			
5.3.4 Segmentation	X			
5.4 LMU Connection Establishment	-			
5.4.1 LMU Connection Establishment initiated by the SMLC	-			
5.4.1.1 Successful Operation	-			
5.4.1.2 Unsuccessful Operation	-			
5.4.1.3 Abnormal Conditions	-			
5.4.2 LMU Connection Establishment initiated by the MSC	-			
5.4.2.1 Successful Operation	-			
5.4.2.2 Unsuccessful Operation	-			
5.4.2.3 Abnormal Operations	-			
5.5 Void	-			
5.6 DTAP-LE Information Transfer	-			



Table 1

References	C	N	P	Comments
5.6.1 DTAP-LE Information Transfer Initiated by the SMLC	-			
5.6.2 DTAP-LE Information Transfer Initiated by the BSC	-			
5.7 Reset	-			
5.7.1 Normal Operation	-			
5.7.2 Abnormal Conditions	-			
5.8 Perform Location Information	-			
6 Usage of BSSAP-LE and BSSAP on the Lb Interface	-			
6.1 Applicable Message Sets			X	Page 15
6.2 MTP Functions	-			
6.3 SCCP Functions	-			
6.3.1 General	-			
6.3.2 Modifications for Connectionless SCCP	-			
6.3.3 Modifications for Connection Oriented SCCP	-			
6.3.4 Contents of the SCCP Data Field	X			
6.3.5 Abnormal Conditions	X			
7 Void	-			

Table 1

References	C	N	P	Comments
8 Use of BSSAP-LE on the Lp Interface	-			
8.1 Applicable Message Sets	X			
8.2 MTP Functions	-			
8.3 SCCP Functions	-			
8.3.1 General	-			
8.3.2 Allowed Exceptions to ITU-T Recommendations Q.711-714	-			
8.3.3 Allowed Exceptions to ANSI T1.112	-			
8.3.4 Usage of Connectionless SCCP	-			
8.3.5 Usage of Connection Oriented SCCP	-			
8.3.6 Contents of the SCCP Data Field	X			
9 Message Functional Definitions and Contents	-			
9.1 BSSMAP-LE PERFORM LOCATION REQUEST message	X			
9.1.1 Location Type	X			
9.1.2 Cell Identifier	X			



Table 1

References	C	N	P	Comments
9.1.3 Classmark Information Type 3	X			
9.1.4 LCS Client Type	X			
9.1.5 Chosen Channel	X			
9.1.6 LCS Priority	X			
9.1.6a LCS QoS	X			
9.1.7 Requested GPS Assistance Data	X			
9.1.8 BSSLAP APDU	X			
9.1.9 LCS Capability	X			
9.1.10 Packet Measurement Report	X			
9.1.11 Measured Cell Identity List	X			
9.1.12 IMSI	X			
9.1.13 IMEI	X			
9.1.14 GANSS Location Type	X			
9.1.15 Requested GANSS Assistance Data	X			
9.2 BSSMAP-LE PERFORM LOCATION RESPONSE message	X			
9.2.1 Location Estimate	X			
9.2.2 Positioning Data	X			
9.2.3 Deciphering Keys	X			



Table 1

References	C	N	P	Comments
9.2.4 LCS Cause	X			
9.2.5 Velocity Data	X			
9.2.6 GANSS Positioning Data	X			
9.3 BSSMAP-LE PERFORM LOCATION ABORT message	X			
9.3.1 LCS Cause	X			
9.4 Void	-			
9.5 Void	-			
9.6 Void	-			
9.7 Void	-			
9.8 BSSMAP-LE CONNECTION ORIENTED INFORMATION message	X			
9.8.1 BSSLAP APDU	X			
9.8.2 Segmentati on	X			
9.9 BSSMAP-LE CONNECT IONLESS INFORMATION message	X			
9.9.1 Source Identity	X			
9.9.2 Destination Identity	X			
9.9.3 APDU	X			
9.9.4 Segmentati on	X			
9.9.5 Return Error Request	X			
9.9.6 Return Error Cause	X			



Table 1

References	C	N	P	Comments
9.10 BSSMAP-LE RESET message	X			
9.11 BSSMAP-LE RESET AKNOWL EDGE message	X			
9.12 BSSMAP-LE PERFORM LOCATION INFORMATION message		X		
9.12.1 Cell Identifier		X		
9.12.2 BSSLAP APDU		X		
10 Message format and information element coding	X			
10.1 Message type			X	Page 15
10.2 Information Element Identifiers	X			
10.3 APDU	X			
10.4 Cause	X			
10.5 Cell Identifier	X			
10.6 Chosen Channel	X			
10.7 Classmark Information Type 3	X			
10.8 Deciphering Keys	X			
10.9 Geographic Location	X			
10.10 Requested GPS Assistance Data	X			
10.11 IMSI	X			



Table 1

References	C	N	P	Comments
10.12 Void	-			
10.13 LCS Cause	X			
10.14 LCS Client Type	X			
10.15 LCS Priority	X			
10.16 LCS QoS	X			
10.17 Void	-			
10.18 Location Type	X			
10.19 Network Element Identity	X			Page 15
10.20 Positioning Data	X			
10.21 Return Error Request	X			
10.22 Return Error Cause	X			
10.23 Void	-			
10.24 Segmentat ion	X			
10.25 Void	-			
10.26 LCS Capability	X			
10.27 Packet Measurement Report	X			
10.28 Cell Identity List	X			
10.29 IMEI	X			

2.2 3GPP TS 48.071 v9.3.0 / v10.3.0 Recommendation

Table 2

References	C	N	P	Comments
1. Scope	-			
2. References	-			



Table 2

References	C	N	P	Comments
3. Definitions and abbreviations	-			
4. Messages functional definitions and contents	-			
4.1 General	-			
4.2 Messages	X			
4.2.1 TA Request	X			
4.2.2 TA Response	X			
4.2.3 Void	-			
4.2.4 Void	-			
4.2.5 Reject	X			
4.2.6 Reset	X			
4.2.7 Abort	X			
4.2.8 TA Layer 3	X			
4.2.9 MS Position Command	X			
4.2.10 MS Position Response	X			
4.2.11 U-TDOA request	X			
4.2.12 U-TDOA Response	X			
5 Information element encodings	X			
5.1 Message Type IE	X			
5.2 Timing Advance IE	X			
5.3 Void	-			
5.4 Cell Identity IE	X			
5.5 Void	-			
5.6 Void	-			

Table 2

References	C	N	P	Comments
5.7 Void	-			
5.8 Channel Description IE	X			
5.9 Void	-			
5.10 Void	-			
5.11 Void	-			
5.12 Measurement Report IE	X			
5.13 Void	-			
5.14 Cause IE	X			
5.15 RRLP Flag IE	X			
5.16 RRLP IE	X			
5.17 Cell Identity List IE	X			
5.18 Enhanced Measurement Report IE	X			
5.19 Location Area Code IE	X			
5.20 Frequency List IE	X			
5.21 MS Power IE	X			
5.22 Delta Timer IE	X			
5.23 Serving Cell Identifier IE	X			
5.24 Encryption Key IE	X			
5.25 Cipher Mode Setting IE	X			
5.26 Channel Mode IE	X			
5.27 MultiRate Configuration IE	X			
5.28 Polling Repetition IE	X			



Table 2

References	C	N	P	Comments
5.29 Packet Channel Description	X			
5.30 TLLI IE	X			
5.31 TFI IE	X			
5.32 Starting Time IE	X			
5.33 Long Encryption Key IE	X			
5.34 Concurrent Positioning Procedure Flag	X			





3 Notes and Comments

Note: The BSSAP-LE supports the BSSMAP-LE Positioning messages, as being an SMLC or a BSS, with the exception of the Perform Location Information message which is not supported at all.

The BSSMAP-LE Information messages and the BSSMAP-LE General messages are supported.

Note: DTAP-LE messages are not supported.

The BSSAP-LE supports the BSSMAP-LE Positioning messages, as being an SMLC or a BSS, with the exception of the Perform Location Information message which is not supported at all.

The BSSMAP-LE Information messages and the BSSMAP-LE General messages are supported.

No messages supported for a LMU.

Note: LMU ID not supported.





Glossary

3GPP

3rd Generation Partnership Project

BSSAP

Base Station System Application Part