

SSCF NNI R1 ANSI 95

STATEMENT OF COMPLIANCE

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1 General

1.1 Introduction

Ericsson AB SSCF NNI ANSI version R1 is compliant with the ANSI standard Reference [1] according to the table in this document.

1.2 Terms

ANSI	American National Standards Institute
ATM	Asynchronous Transfer Mode
B-ISDN	Broadband Integrated Services Network
FSN	Forward Sequence Number
LM	Layer Management
MTP	Message Transfer Part
NNI	Node Network Interface
PC	Protocol Capabilities
PDU	Protocol Data Unit
PICS	Protocol Implementation Conformance Statement
SAAL	Signalling ATM Adaptation layer
SoC	Statement of Compliance
SP	System Parameters
SSCF	Service Specific Coordination Functions
SSCOP	Service Specific Connection Oriented Protocol

1.3 Concept

The terms that are used are:

C	Ericsson Signalling Solution module complies with the specified paragraph in the standard.
N	Ericsson Signalling Solution module does not comply with the specified paragraph in the standard.



- P** Ericsson Signalling Solution 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

Table 1

Revision	Date	Autor	Comment
A	2002-08-09	Mats Jarlstedt	Approved after document inspection.
B	2007-02-19	XMRALBA	Converted to XML
C	2007-09-27	XMREVEF	Minor changes



2 Compliance Lists

2.1 SSCF NNI (T1.645)

Table 2 Compliance List

Reference		C	N	P	Comments
1	Scope, purpose, and application	-			
2	Normative References	-			
3	Acronyms	-			
4	General	-			
5	Services provided by the SAAL at the NNI	X			
6	Functions of the SSCF at the NNI	-			
6.1	Functions with no peer-to-peer messages	X			
6.1.1	Mapping	X			
6.1.2	Local retrieve	X			
6.1.3	Flow control			X	Note 1
6.1.4	Change link status	X			
6.1.5	Reporting to layer management	X			
6.2	Functions with peer-to-peer messages	X			
6.2.1	Processor outage	X			
6.2.2	Alignment procedure	X			
6.3	Signalling protocol stack for NNI	X			
7	Definition of the boundary between the SSCF with Layer 3 at the NNI	-			
7.1	Primitives	X			
7.2	State transition diagram	X			
8	Definition of the boundary between the SSCF at the NNI and the SSCOP	-			

Table 2 Compliance List

Reference		C	N	P	Comments
8.1	Repertoire of signals between SSCF and SSCOP	X			
8.2	Sequences of signals between SSCF and SSCOP	X			
9	Definition of the boundary between the SSCF and the Layer Management	X			
10	Protocol elements for peer-to-peer Communication	X			
11	Default parameters and timers	X			
12	State transition table of SSCF at the NNI	X			Note 2, Note 3
Annex A,	Protocol Implementation conformance Statement (PICS) pro forma to ANSI T1.645-1995	-			
	A.1 General	-			
	A.2 Abbreviations and special symbols	-			
	A.3 Instructions for completing the PICS pro forma	-			
	A.4 Global statement of conformance	-			
	A.5 SSCOP-ANSI T1.637	-			
	A.5.1 Protocol Capabilities (PC) SSCOP	-			
	A.5.2 SSCOP PDUs Protocol Data Units (PD)	-			
	A.5.3 SSCOP System Parameters (SP)	-			
	A.6 SSCF at NNI -ANSI T1.645	-			



Table 2 Compliance List

Reference		C	N	P	Comments
	A.6.1 SSCOP-SSCF NNI Protocol Capabilities (SNPC)	-			
	A.6.2 SSCF at NNI System Parameters (SNSP)	-			
Annex B,	Impacts of SAAL on MTP-3	-			
	B.1 Frame format of MTP-3 + B-ISUP message	-			
	B.2 Octet transmission order	-			
	B.3 Size of FSN in changeover message	-			
	B.4 Proving ends due to a processor outage condition	-			
	B.5 Automatic allocation of signalling data links	-			
Annex C,	Flow diagrams	-			
Annex D,	SDL diagrams for the SSCF at the NNI	-			
Annex E,	Differences between this standard and ITU-T Recommendation Q.2140	-			
Annex F,	Bibliography	-			





3 Notes

- Note 1** Flow control of PDUs to layer 1 is not implemented in SSCF NNI. The interface to the layer 1 is hardware independent.
- Note 2** The default values described in the standard are for a 64 kbit/s link. In the product documents are the default values for a 2Mbit/s link.
- Note 3** Due to inconsistencies between the standards for LM (see Reference [2]) and SSCF NNI, the LM standards version is used to implement AA_RELEASE_indication, source=user, when in state 3/10/5.





Reference List

ANSI standards

- [1] *[ANSI-1]*
*American National Standard for Telecommunication, for
Telecommunications - B-ISDN ATM Adaptation Layer- Service Specific
Coordination Function for Support of Signalling at the Network Node
Interface (SSCF at NNI), ANSI T1.645 -1995*
- [2] *[ANSI-2]*, American National Standard for Telecommunication,
for Telecommunications - B-ISDN ATM Adaptation Layer - Layer
management for the SAAL at the Network Node Interface (NNI), ANSI
T1.652 -1996