

# **SSCF NNI R1**

## **TTC 95**

### **Statement of Compliance**

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## Table of Contents

1.	<b>GENERAL</b>	4
1.1	INTRODUCTION	4
1.2	TERMS	4
1.3	CONCEPT	4
1.4	HISTORY	5
1.5	REFERENCES	5
2.	<b>COMPLIANCE LISTS</b>	6
2.1	SSCF NNI TTC JT-Q.2140	6
3.	<b>NOTES AND COMMENTS</b>	8

## 1. GENERAL

### 1.1 INTRODUCTION

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

### 1.2 TERMS

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	Signaling ATM Adaptation layer
SoC	Statement of Compliance
SP	System Parameters
SSCF	Service Specific Coordination Functions
SSCOP	Service Specific Connection Oriented Protocol
TTC	Telecommunication Technology Committee (Council)

### 1.3 CONCEPT

The terms that are used are:

C	Ericsson module complies with the specified paragraph in the standard.
N	Ericsson module does not comply with the specified paragraph in the standard.
P	Ericsson 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	2002-08-09	Mats Jarlstedt	Approved after document inspection.

## 1.5 REFERENCES

TTC Standards:

- [TTC-1]      Telecommunication Technology Council (TTC) JT-Q.2140, Version 1 (95) B-ISDN ATM Adaptation Layer- Service Specific Coordination Function for signaling at the Network Node Interface (SSCF at NNI).
- [TTC-2]      Telecommunication Technology Council (TTC) JT-Q.2144, Version 1 (96) B-ISDN signalling ATM Adaptation Layer (SAAL)- Layer management for the SAAL at the Network Node Interface (NNI).

## 2. COMPLIANCE LISTS

### 2.1 SSCF NNI TTC JT-Q.2140

Reference	C	N	P	Comments
1 Scope	-			
2 Normative References	-			
3 Abbreviations	-			
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	<i>Note 1</i>
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	-			<i>Note 2</i>
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	-			
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			

Reference	C	N	P	Comments
11 Default parameters and timers	X			
12 State transition table of SSCF at the NNI	X			<i>Note 3, Note 4</i>
Annex A, Protocol Implementation conformance Statement (PICS) pro forma to Recommendation JT-Q.2140	-			
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- Standard JT-Q.2110	-			
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- Standard JT-Q.2140	-			
A.6.1 SSCOP-SSCF NNI Protocol Capabilities (SNPC)	-			
A.6.2 SSCF at NNI System Parameters (SNSP)	-			
Appendix I, Impacts of SAAL on MTP-3	-			
I.1 Frame format of MTP-3 + B-ISUP message	-			
I.2 Octet transmission order	-			
I.3 Size of FSN in changeover message	-			
I.4 Proving ends due to a processor outage condition	-			<i>Note 2</i>
I.5 Automatic allocation of signalling data links	-			
Appendix II, Example time flow diagrams for connection establishment	-			
Appendix III, SDL Diagrams for the SSCF at the NNI	-			

### 3. NOTES AND COMMENTS

- |        |   |
|--------|---|
| 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 | According to NRJ/RT/X translation of the TTC standard is this sub-clause deleted. In this implementation is Processor Outage implemented according to ITU, will not affect the behaviour of the protocol. |
| Note 3 | 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 4 | Due to inconsistencies between the standards for LM (see ref. [TTC-2] ) and SSCF NNI, the LM standards version is used to implement AA_RELEASE_indication, source=user, when in state 3/10/5.             |