JT-Q1218-b
IN (intelligent network) Interface between Local Network and Service Providing Network

1.Relations with international standards

This standard defines IN (intelligent network) interface between Local Network and Service Providing Network, based upon ITU-T Recommendations Q.1214,Q.1215,Q.1218 and Q.1290 which were revised in 1995.

2. Summary of differences between ITU-T Recommendations and this standard

2.1 Optional items

None

2.2 National items

None

2.3 Others

(1) This standard indicates deletions from the above ITU-T Recommendations by the following rules.

(a) Sections which are defined in the ITU-T Recommendations, however, are not defined in this standard, are indicated by section numbers and section titles with the deletion symbol "#" in the table of contents and the text.

(b) Description in chapters which is defined in the ITU-T Recommendations, however, is not defined in this standard, is deleted without the deletion symbol "#".

(2) This standard deletes the following sections from the above ITU-T Recommendations.

(a) deleted sections from ITU-T Recommendation Q.1214

2.4	Service management
4.2.2.6	Trigger Types and Trigger Precedence
4.2.4.2	Service logic instance interactions considerations
5	Stage2 descriptions of service independent building blocks(SIBs)
6.4.2.1	Activate Service Filtering
6.4.2.4	Analysed Information
6.4.2.5	Analyse Information
6.4.2.6	Apply Charging
6.4.2.7	Apply Charging Report
6.4.2.8	Assist Request Instructions
6.4.2.9	Call Gap
6.4.2.10	Call Information Report
6.4.2.11	Call Information Request
6.4.2.12	Cancel Call Information Request
6.4.2.13	Cancel Status Report Request
6.4.2.14	Collected Information
6.4.2.15	Collect Information
6.4.2.17	Connect To Resource

6.4.4.13 T_NoAnswer

6.5 SCF-SRF relationship

6.6 SCF-SDF relationship

6.7 Summary of information flows and related SIBs

Appendix I Aspects of the distributed functional plane Identified as "for further study" (FFS) Relative to IN CS-1

(b) deleted sections from ITU-T Recommendation Q.1215

5.3.2 AD-SSP interface

5.3.3 IP-SSP interface

5.3.4 SN-SSP interface

5.3.5 SCP-IP interface

5.3.6 AD-IP interface

5.3.7 SCP-SDP interface

(c) deleted sections from ITU-T Recommendation Q.1218

2.2 SCF/SDF Interface

3.1.1.6 Assisting/Handoff SSF FSM

3.1.3 SRF application entity procedures

3.1.4 SDF application entity procedures

3.2.1.1 Attribute error

3.2.1.2 Canceled

3.2.1.3 CancelFailed

3.2.1.5 ImproperCallerResponse

3.2.1.8 Name Error

3.2.1.10 RequestedInfoError

3.2.1.11 Service error

3.2.1.12 Security error

3.2.1.19 UnknownLegID

3.2.1.20 UnknownResource

3.2.1.21 Updata error

3.2.2.2 Expiration of T_{SRF}

3.3.1 ActivateServiceFiltering procedure

3.3.3 AddEntry procedure

3.3.4 AnalyzedInfomation procedure

3.3.5 AnalyzeInfromation procedure

3.3.6 ApplyCharging procedure

3.3.7 ApplyChargingReport procedure

3.3.8 AssistRequestInstructions procedure

3.3.9 Bind procedure

Annex B	Description of the SCSM and the SDSM
Appendix I	Service data modeling
Appendix II	Aspects of the intelligent network interface identified as "For Further Study"(FFS) relative to CS-1

This standard defines only the necessary parts in order to standardize IN (intelligent network) interface between Local Network and Service Providing Network. The above sections , which are unnecessary, are out of the scope in this standard.

(3) This standard is consisted of the following two parts. One is the necessary part in order to standardize IN (intelligent network) interface between Local Network and Service Providing Network, which is extracted downstream from ITU-T IN Recommendations CS-1 including general concepts of IN. The other is the descriptions of this TTC standard specific.
TTC specific descriptions are indicated by the symbol "*" in the text.

(4) This standard uses figure number and table number provided by the above ITU-T Recommendations directly under the chapter number - section number of this standard.
The rules of providing figure number and table number are indicated below.

ITU-T Rec.	figure/ table numbering rule	number providing example	TTC Standard	figure/table numbering rule	number providing example
Q.1214 Annex A Annex B	section number - sequential number in section	FIGURE 4-3/ Q.1214 FIGURE A.2 FIGURE B-5	Chapter 2 Annex A Annex B	Chapter number - ITU-T providing number	 FIGURE 2-4-3/JT Q1218-b* (ITU-T Q.1214) FIGURE 2-A-2/JT-Q1218-b (ITU-T Q.1214) FIGURE 2-B-5/JT-Q1218-b (ITU-T Q.1214)
Q.1215	sequential number	TABLE 2/ Q.1215	Chapter 3	Chapter number - section number - ITU-T providing number	TABLE 3-5-2/JT-Q-1218-b* (ITU-T Q.1215)
Q.1218 Annex A	sequential number	FIGURE 8/ Q.1218 FIGURE A.3	Chapter 4 Annex A	Chapter number - section number - ITU-T providing number	TABLE 4-0-8/JT-Q1218-b (ITU-T Q.1218) FIGURE 4-A-3/JT-Q1218-b* (ITU-T Q.1218)
Q.1290	table/ figure nothing		Chapter 5	table/figure nothing	

2.4 Comparison of sections between ITU-T Recommendations and this standard

The following tables show differences in sections between the ITU-T Recommendations and this standard.

Chapter 1 Service descriptions

TTC Standard	ITU-T Rec.	Difference from ITU-T Rec.
Sec. 1 General	----	Add
Sec. 2 Basic concepts	----	Add
Sec. 3 Definition of connecting function between signalling networks	----	Add

Chapter 2 Distributed functional plane (corresponding to Q.1214)

TTC Standard	ITU-T Rec.	Difference from ITU-T Rec.
Sec.1 General	Sec.1 General	Partially delete/ partially modify
Sec.2 Scope of IN distributed functional plane for capability Set1	Sec.2 Scope of IN distributed functional plane for capability Set1	Partially delete/ partially modify
Sec.3 Distributed functional model for CS-1 between networks	Sec.3 Distributed functional model for CS-1	Partially delete/ partially modify
Sec.4 Functional entity call/ service logic processing models	Sec.4 Functional entity call/ service logic processing models	Partially delete/ partially modify
----	Sec.5 Stage2 descriptions of service independent building blocks(SIBs)	
Sec.5 Mapping each service function to functional architecture	----	Add
Sec.6 Relationships between FEs	Sec.6 Relationships between FEs	Partially delete/ partially modify
Annex A SSF/SCF relationship scenarios	Annex A SSF/SCF relationship scenarios	Partially delete/ partially modify
Annex B BCSM SDL Diagrams	Annex B BCSM SDL Diagrams	Partially delete/ partially modify
Appendix I Supplementary explanation about basic procedure of connection between signalling networks	----	Add

----	Appendix I	

Chapter 3 Physical plane (corresponding to Q.1215)

TTC Standard	ITU-T Rec.	Difference from ITU-T Rec.
Sec.1 General	Sec.1 General	Partially delete/ partially modify
Sec.2 Requirements and assumptions	Sec.2 Requirements and assumptions	Partially delete/ partially modify
Sec.3 Physical entities (PEs)	Sec.3 Physical entities (PEs)	Partially delete/ partially modify
Sec.4 Mapping requirement	Sec.4 Mapping requirement	Partially delete/ partially modify
Sec.5 Mapping the distributed functional plane to the physical plane	Sec.5 Mapping the distributed functional plane to the physical plane	Partially delete/ partially modify

Chapter 4 Protocol for connection between signalling networks (corresponding to Q.1218)

TTC Standard	ITU-T Rec.	Difference from ITU-T Rec.
Sec.0 Introduction	Sec.0 Introduction	Partially delete/ partially modify
Sec.1 SAC/MACF rules	Sec.1 SAC/MACF rules	Partially delete/ partially modify
Sec.2 Abstract Syntax of the IN CS-1 Application Protocol	Sec.2 Abstract Syntax of the IN CS-1 Application Protocol	Partially delete/ partially modify
Sec.3 Semantics	Sec.3 Semantics	Partially delete/ partially modify
Annex A INAP SDL Diagrams	Annex A INAP SDL Diagrams	Partially delete/ partially modify
----	Annex B	
----	Appendix I	
----	Appendix II	
----	Appendix III Expanded ASN.1 coding	
Appendix IV Realization method of message prioritization	----	

Chapter 5 Glossary of terms used in the definition of intelligent networks (corresponding to Q.1290)

TTC Standard	ITU-T Rec.	Difference from ITU-T Rec.
Sec.1 General	Sec.1 General	Partially delete/ partially modify
Sec.2 Terms and definition (listed alphabetically)	Sec.2 Terms and definition (listed alphabetically)	Partially delete/ partially modify
Annex A ACRONYMS	Annex A ACRONYMS	Partially delete/ partially modify

3. The history of revised versions

Version	Date	Outline
1	Apr.23, 1997	Established

4. Others

(1) Reference standards and recommendations

TTC Standards : JT-Q711(ver. 1),
JT-Q739(ver.1),
JT-Q762(ver. 8),JT-Q763(ver. 8),
JT-Q771(ver. 1),JT-Q772(ver. 1),JT-Q773(ver. 1),
JT-Q774(ver. 1),
JT-Q931(ver. 7.1),JT-Q932(ver. 2 j
JT-X500(ver. 2)

ITU-T Recommendations : E.164(1991)
I.130(1988)
Q.9(1988),
Q.71(1993),
Q.700(1993),
Q.767(1991),
Q.931(1993),
Q.1201(1992),Q.1204(1993),Q.1205(1993),Q.1211(1993),
Q.1400(1993)
X.208(1988),X.209(1988),X219(1988),X.229(1988),
X.500(1993),X.501(1993),X.509(1993),X.511(1993),
X.518(1993),X.519(1993),
X.680(1994),X.681(1994),X.682(1994),X.683(1994),
X.690(1994),X.880(1994)