JT-Q1238.2-b IN (intelligent network) Interface between Local Network and Service Providing Network Capability Set 3：SCF-SSF Interface

1. Relations with international standards

This standard defines IN (intelligent network) interface between Local Network and Service Providing Network, based upon ITU-T Recommendation Q.1238.2 approved on ITU-T SG11 meeting held in June 2000.

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

2.1 Optional items

None

2.2 National matter items

None

2.3 Others

(1) Relation to TTC standard JT-Q1228-b

This standard and JT-Q1238.1-b are the succession standards of JT-Q1228-b.

Although JT-Q1228-b is based upon ITU-T Recommendations Q.1224, Q.1225, Q.1228 and Q.1290, JT-Q1238.1-b and JT-Q1238.2-b are based upon ITU-T Recommendations Q.1238.1 and Q.1238.2 according to the following policy.

JT-Q1228-b	JT-Q1238.1-b、JT-Q1238.2-b
Chapter 1 Introduction （TTC standard specific）	Defined in Section 1 of JT-Q1238.1-b and JT-Q1238.2-b (Scope).
Chapter 2 Distributed functional plane （corresponding to Q.1224）	ITU-T Recommendations Q.1238.x (CS-3) define the contents of Q.1224 partially in Q.1238.x without making the succession standard of Q.1224. Therefore, TTC standards also define necessary parts of Q.1224 in JT-Q.1238.1-b and JT-Q1238.2-b.
Chapter 3 Physical plane （corresponding to Q.1225）	ITU-T Recommendations Q.1238.x (CS-3) refer to Q.1225 without making the succession standard of Q.1225. Therefore, TTC standards also refer to JT-Q1228-b Chapter 3.
Chapter 4 Protocol for connection between signaling networks (corresponding to Q.1228）	TTC standards define only the necessary parts based upon ITU-T Recommendations Q.1238.1 and Q.1238.2.
Chapter 5 Glossary of terms used in the definition of intelligent networks (corresponding to Q.1290)	ITU-T Recommendations Q.1238.x (CS-3) refer to Q.1290 without making the succession standard of Q.1290. Therefore, TTC standards also refer to JT-Q1228-b Chapter 5.
Annex A Restart Notification Processing Application	Defined in Annex 3 of JT-Q1238.1-b.

(2) In this standard, the following sections of ITU-T Recommendation Q.1238.2 are deleted.

Sec.4 Introduction

Sec.6.3.5 Mapping from Cause to DP

Sec.6.3.8 Trigger Types and Trigger Precedence

Sec.6.4.1.1.1 Service logic instance interactions considerations

Sec.6.4.1.2 DP and Event Distribution and Filtering

Sec.6.4.1.2.3 Multiple Points of Control (MPC) Rules

Sec.6.5.3.4.2.5 DisconnectLeg Operation

Sec.6.5.3.4.2.6 User interactions during the SSF-FSM "Monitoring" state

Sec.6.5.3.4.2.9 "Stable_2_Party" and "Stable_1_Party" connection view behaviour principles"

Sec.6.5.3.4.3.6 "Originating_1_Party_Setup" Call Segment Connection View State

Sec.6.5.3.4.3.11 "Stable_Multi_Party" Call Segment Connection View State

Sec.6.5.3.5 Examples of CV Configurations, Composite Transitions

Sec.6.5.3.7 CVS Configurations

Sec.6.6 Out-Channel Call-Related User Interaction (OCCRUI)

Sec.8.1 SSF management finite state model (SSME FSM)

Sec.8.2.2.3 State d: Waiting For End Of User Interaction (WFI)

Sec.8.2.2.6 State h: Waiting For End Of User Interaction (Monitoring)

Sec.8.2.2.7 State i: Waiting For End Of Temporary Connection (Monitoring)

Sec.8.2.2.8 State g: Waiting For Facility Event

Sec.8.3 Assisting SSF FSM

Sec.8.4 Handed-off SSF FSM

Sec.9.3.1 The Status Report FSM

Sec.9.3.2 The Service Filtering FSM

Sec.9.3.4 The Manage Trigger Data FSM

Sec.9.3.5 The Resource Control Object

Sec.9.4.3.2.3 State C2.3: "Queuing"

Sec.9.4.3.2.4 State C2.4: Waiting for Facility

Sec.9.4.3.3.2 State C3.2: “User Interaction”

Sec.9.4.3.4 State C4: “Not Suspended and User Interaction”

Sec.9.4.4 Finite State Model for Assisting SSF

Sec.9.4.5 Finite State Model for Handed-off SSF

Chapter 10 FSM for USI

Sec.11.1 ActivateServiceFiltering procedure

Sec.11.2.4 Invoking entity (SSF)

Sec.11.2.5 Responding entity (SCF)

Sec.11.3 AnalysedInformation Procedure

Sec.11.4 AnalyseInformation procedure

Sec.11.5 ApplyCharging procedure

Sec.11.6 ApplyChargingReport procedure

Sec.11.7 AssistRequestInstructions procedure

Sec.12.102 LocationNumber

Sec.12.103 MaximumNumberOfCounters

Sec.12.105 MonitorDuration

Sec.12.107 NewCallSegment

Sec.12.108 NewCallSegmentAssociation

Sec.12.109 NoCharge

Sec.12.110 NotificationDuration

Sec.12.111 NumberingPlan

Sec.12.112 OneTriggerResult

Sec.12.117 Prefix

Sec.12.118 ProfileAndDP

Sec.12.119 Profile

Sec.12.122 RegistratorIdentifier

Sec.12.124 ReleaseIndication

Sec.12.125 ReportCondition

Sec.12.126 RequestedInformationList

Sec.12.127 RequestedInformationTypeList

Sec.12.128 ResourceAddress

Sec.12.129 ResourceID

Sec.12.130 ResourceStatus

Sec.12.131 ResponseCondition

Sec.12.132 RouteList

Sec.12.133 RouteingNumber

Sec.12.136 SDSSinformation

Sec.12.137 ServiceInteractionIndicators

Sec.12.140 ServiceProfileIdentifier

Sec.12.141 SeveralTriggerResult

Sec.12.143 StartTime

Sec.12.145 TargetCallSegmentAssociation

Sec.12.146 TDPIdentifier

Sec.12.148 TimerID

Sec.12.149 TimerValue

Sec.12.150 TimeToRelease

Sec.12.151 TravellingClassMark

Sec.12.152 TriggerData

Sec.12.153 TriggerDPType

Sec.12.154 TriggerStatus

Sec.12.155 TriggerType

Sec.12.156 TriggerDataIdentifier

Sec.12.157 USIInformation

Sec.12.158 USIMonitorMode

Sec.12.159 USIServiceIndicator

Sec.12.160 VPNIndicator

Sec.13.1.1 Operation related error procedures

Sec.13.1.3.1 Operations SCF -> SSF

Sec.13.1.6 RequestedInfoError

Sec.13.1.12.2 Operations SSF -> SCF

Sec.13.1.13 UnknownResource

Sec.15.1.1.1.1.2 Assisting/Hand-off SSF FSM related messages

Annex A SDL Diagrams for IN CS-3 Call Party Handling

This standard defines only the necessary parts in order to standardize IN (intelligent network) interface between Local Network and Service Providing Network, so the above sections are deleted because they are needless for this standard.

(3) This standard indicates deletions from the ITU-T Recommendation Q1238.2 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 "#".

(4) 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 Recommendation Q.1238.2 including general concepts of IN. The other is the description of this TTC standard specific. TTC specific descriptions are indicated by the symbol "*" in the text.

(5) This standard does not use figure number and table number provided by the ITU-T Recommendation Q.1238.2 directly. 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.1238.2	sequential number	FIGURE 3/Q.1238.2	Chapter 3	Chapter number - sequential number in section /ITU-T providing number	FIGURE 3-3/JT-Q1238.2-b (ITU-T Q.1238.2)

(6) This standard indicates TTC standard specific parts in the table by following rules.

― When the entire line or row is TTC standard specific, the symbol "*" is described outside the table of the line or the row respectively.

― When the specific column in the table is TTC standard specific, the symbol "*" is described in the corresponding column.

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.

TTC Standard	ITU-T Rec.	Difference from ITU-T Rec.
Sec.1 Scope	Sec.1 Scope	Partially delete/ partially modify
Sec.2 References	Sec.2 References	Partially delete/ partially modify
Sec.3 Abbreviations and Acronyms	Sec.3 Abbreviations and Acronyms	Partially delete/ partially modify
Sec.4 Introduction	Sec. 4 Introduction	Delete
Sec. 5 Relationships	Sec. 5 Relationships	Partially delete/ partially modify
Sec. 6 CCF/SSF Model	Sec. 6 CCF/SSF Model	Partially delete/ partially modify
Sec. 7 SCF Model	Sec. 7 SCF Model	Partially delete/ partially modify
Sec. 8 FSM for SSF	Sec. 8 FSM for SSF	Partially delete/ partially modify
Sec.9 FSM for SCF	Sec. 9 FSM for SCF	Partially delete/ partially modify
Sec. 10 FSM for USI	Sec. 10 FSM for USI	Delete
Sec. 11 Operation Procedures	Sec. 11 Operation Procedures	Partially delete/ partially modify
Sec. 12 Parameter Descriptions	Sec. 12 Parameter Descriptions	Partially delete/ partially modify
Sec. 13 Errors	Sec. 13 Errors	Partially delete/ partially modify
Sec. 14 ASN.1 definitions	Sec. 14 ASN.1 definitions	Partially delete/ partially modify
Sec. 15 Services assumed from TCAP	Sec. 15 Services assumed from TCAP	Partially delete/ partially modify
Annex A SDL Diagrams for IN CS-3 Call Party Handling	Annex A SDL Diagrams for IN CS-3 Call Party Handling	Delete
Annex B Assignment rule of Call Segment ID(Csid)	----------	Add

TTC Standard	ITU-T Rec.	Difference from ITU-T Rec.
Annex C SRF related Connection View Model	----------	Add
Annex D TTC Specific Definition of Internal Structure of OCTET STRING	----------	Add
Appendix I The realization method of a priority indication	----------	Add

3. The history of revised versions

Version	Date	Outline
1	19, April , 2001	Established
2	27,November,2001	- Modifications for reference of coding for redirectReason parameter. - Correction of the description related to redirectReason parameter.