

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.11.8 AuthorizeTermination procedure
Sec.11.9 CallGap procedure
Sec.11.10 CallInformationReport procedure
Sec.11.11 CallInformationRequest procedure
Sec.11.12 Cancel procedure
Sec.11.13 CancelStatusReportRequest Procedure
Sec.11.14 CollectedInformation procedure
Sec.11.15 CollectInformation procedure
Sec.11.17 ConnectToResource procedure
Sec.11.19 ContinueWithArgument procedure
Sec.11.20 CreateCallSegmentAssociation procedure
Sec.11.21 CreateOrRemoveTriggerData Procedure
Sec.11.24 DisconnectLeg procedure
Sec.11.29 EventReportFacility Procedure
Sec.11.30 FacilitySelectedAndAvailable procedure
Sec.11.31 FurnishChargingInformation procedure
Sec.11.32 HoldCallInNetwork procedure
Sec.11.34 InitiateCallAttempt procedure
Sec.11.35 ManageTriggerData Procedure
Sec.11.37 MoveCallSegments procedure
Sec.11.39 OAbandon procedure
Sec.11.40 OAnswer Procedure
Sec.11.41 OCalledPartyBusy Procedure
Sec.11.42 ODisconnect procedure
Sec.11.43 OMidCall Procedure
Sec.11.44 ONoAnswer procedure
Sec.11.45 OriginationAttempt Procedure
Sec.11.46 OriginationAttemptAuthorized procedure
Sec.11.47 OSuspended procedure
Sec.11.48 Reconnect procedure
Sec.11.50 ReportUTSI procedure
Sec.11.51 RequestCurrentStatusReport procedure
Sec.11.52 RequestEveryStatusChangeReport procedure
Sec.11.53 RequestFirstStatusMatchReport procedure
Sec.11.56 RequestReportFacilityEvent Procedure
Sec.11.57 RequestReportUTSI Procedure
Sec.11.58 ResetTimer procedure
Sec.11.59 RouteSelectFailure Procedure
Sec.11.60 SelectFacility Procedure
Sec.11.61 SelectRoute procedure
Sec.11.63 SendFacilityInformation Procedure

Sec.11.64 SendSTUI procedure
Sec.11.65 ServiceFilteringResponse procedure
Sec.11.66 SetServiceProfile
Sec.11.67 SplitLeg procedure
Sec.11.68 StatusReport procedure
Sec.11.69 TAnswer Procedure
Sec.11.70 TBusy Procedure
Sec.11.71 TDisconnect procedure
Sec.11.72 TerminationAttempt Procedure
Sec.11.73 TermAttemptAuthorized procedure
Sec.11.74 TMidCall Procedure
Sec.11.75 TNoAnswer procedure
Sec.11.76 TSuspended procedure
Sec.12.1 AccessCode
Sec.12.2 AChBillingChargingCharacteristics
Sec.12.3 ActionIndicator
Sec.12.4 ActionPerformed
Sec.12.6 AlertingPattern
Sec.12.8 AllRequests
Sec.12.9 AllRequestsForCallSegment
Sec.12.11 BackwardGVNS
Sec.12.12 BcsmEventCorrelationID
Sec.12.14 BCSMFailure
Sec.12.17 CalledDirectoryNumber
Sec.12.18 CalledFacilityGroup
Sec.12.19 CalledFacilityGroupMember
Sec.12.21 CalledPartySubaddress
Sec.12.22 CallingFacilityGroup
Sec.12.23 CallingFacilityGroupMember
Sec.12.24 CallingGeodeticLocation
Sec.12.25 CallingPartyBusinessGroupID
Sec.12.29 CallProcessingOperationCorrelationID
Sec.12.30 CallReference
Sec.12.31 CallResult
Sec.12.34 CallSegments
Sec.12.35 CallSegmentToCancel
Sec.12.37 Carrier
Sec.12.39 CCSS
Sec.12.40 CGEncountered
Sec.12.41 ChargeNumber
Sec.12.43 CNinfo

Sec.12.44 Component
Sec.12.45 ComponentCorrelationID
Sec.12.46 ComponentType
Sec.12.48 ControlType
Sec.12.50 CountersValue
Sec.12.51 CreatedCallSegmentAssociation
Sec.12.52 CreateOrRemove
Sec.12.54 CutAndPaste
Sec.12.55 DefaultFaultHandling
Sec.12.56 DestinationNumberRoutingAddress
Sec.12.59 DisplayInformation
Sec.12.60 DPName
Sec.12.61 DpSpecificCommonParameters
Sec.12.67 FailureCause
Sec.12.68 FCIBillingChargingCharacteristics
Sec.12.69 FeatureCode
Sec.12.70 FeatureRequestIndicator
Sec.12.71 FilteredCallTreatment
Sec.12.72 FilteringCharacteristics
Sec.12.73 FilteringCriteria
Sec.12.74 FilteringTimeOut
Sec.12.75 ForcedRelease
Sec.12.76 ForwardGVNS
Sec.12.78 ForwardingCondition
Sec.12.79 GapCriteria
Sec.12.80 GapIndicators
Sec.12.81 GapTreatment
Sec.12.82 GenericName
Sec.12.84 Holdcause
Sec.12.85 HighlayerCompatibility
Sec.12.87 InProfiles
Sec.12.88 INServiceCompatibilityIndication
Sec.12.89 INServiceCompatibilityResponse
Sec.12.90 InvokeID
Sec.12.91 IPAvailable
Sec.12.92 IPSSPCapabilities
Sec.12.94 LastEventIndicator
Sec.12.97 Legs
Sec.12.98 LegorCSID
Sec.12.100 LegToBeReleased
Sec.12.101 LegToBeSplit

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 TDPIIdentifier
Sec.12.148 TimerID
Sec.12.149 TimerValue
Sec.12.150 TimeToRelease
Sec.12.151 TravellingClassMark
Sec.12.152 TriggerData
Sec.12.153 TriggerDPTType
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	<ul style="list-style-type: none"> - Modifications for reference of coding for redirectReason parameter. - Correction of the description related to redirectReason parameter.