

JT-Q1228 IN (Intelligent Network) Inter-network Interface Capability Set 2 - Protocol

1. Relations with international standards

This standard is based on ITU-T Recommendation Q.1228 approved at ITU-T SG11 meeting held in September 1997.

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

2.1 Optional items

None

2.2 National items

None

2.3 Others

(1) This standard does not include any additional items to the ITU-T Recommendation mentioned above.

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

- (a) For sections defined in the ITU-T Recommendation but not in this standard, only their numbers and titles are placed in both the table of contents and the body, followed by the deletion symbol '#'. The symbol '#' is also applied to descriptions specified in the ITU-T Recommendation but not in this standard when those remain in the body for ease of understanding.
- (b) Descriptions in the body specified in the ITU-T Recommendation but not in this standard are deleted without any explicit indications.

(3) This standard is intended to specify Intelligent Network interface between Service Control Function and Service Data Function and that between two Service Data Functions, hence the sections unnecessary for this purpose, listed below, are deleted from the ITU-T Recommendation.

Section 2.2	Abbreviations and acronyms
Section 3.1.2.1	“SCF - External SRF” Communication in the Relay Case
Section 4.1	Data Types
Section 4.2	Error Types
Section 4.3	Operation Codes
Section 4.4	Error Codes

Section 5	SSF/SCF Interface
Section 6	SCF/SRF Interface
Section 9	SCF/SCF Interface
Section 10	SCF/CUSF Interface
Section 11	SSF application entity procedures
Section 12.4	Partial SCF Management Entity (SCME) State Transition Diagram
Section 12.5.1	SSF/SRF Related states (SCSM-SSF/SRF)
Section 12.5.3	SCF Related states
Section 12.5.4	CUSF Related states (SCSM-CUSF)
Section 12.5.5	USI_SCF FSM
Section 13	SRF application entity procedures
Section 15	CUSF application entity procedures
Section 16.1.2	Canceled
Section 16.1.3	CancelFailed
Section 16.1.5	ETCFailed
Section 16.1.7	ImproperCallerResponse
Section 16.1.8	MissingCustomerRecord
Section 16.1.9	MissingParameter
Section 16.1.11	ParameterOutOfRange
Section 16.1.13	RequestedInfoError
Section 16.1.14	ScfReferral
Section 16.1.15.4	Operations SCF->SCF
Section 16.1.18	SystemFailure
Section 16.1.19	TaskRefused
Section 16.1.20	UnavailableResource
Section 16.1.21	UnexpectedComponentSequence
Section 16.1.22	UnexpectedDataValue
Section 16.1.23	UnexpectedParameter
Section 16.1.24	UnknownLegID
Section 16.1.25	UnknownResource
Section 16.1.27	ChainingRefused
Section 16.1.29	ScfBindFailure
Section 16.1.30	ScfTaskRefused
Section 16.2	Entity related error procedures
Section 17.1	ActivateServiceFiltering procedure
Section 17.2	ActivationReceivedAndAuthorized procedure

Section 17.3	ActivityTest procedure
Section 17.5	AnalyzedInformation procedure
Section 17.6	AnalyzeInformation procedure
Section 17.7	ApplyCharging procedure
Section 17.8	ApplyChargingReport procedure
Section 17.9	AssistRequestInstruction procedure
Section 17.10	AssociationReleaseRequested procedure
Section 17.11	AuthorizeTermination procedure
Section 17.12	CallGap procedure
Section 17.13	CallInformationReport procedure
Section 17.14	CallInformationRequest procedure
Section 17.15	Cancel procedure
Section 17.16	CancelStatusReportRequest procedure
Section 17.18	ChainedConfirmedNotificationProvided procedure
Section 17.19	ChainedConfirmedReportChargingInformation procedure
Section 17.20	ChainedEstablishChargingRecorded procedure
Section 17.22	ChainedHandlingInformationRequest procedure
Section 17.23	ChainedHandlingInformationResult procedure
Section 17.25	ChainedNetworkCapability procedure
Section 17.26	ChainedNotificationProvided procedure
Section 17.27	ChainedReportChargingInformation procedure
Section 17.28	ChainedProvideUserInformation procedure
Section 17.30	ChainedRequestNotification procedure
Section 17.32	CollectedInformation procedure
Section 17.33	CollectInformation procedure
Section 17.34	ComponentReceived procedure
Section 17.35	ConfirmedNotificationProvided procedure
Section 17.36	ConfirmedReportChargingInformation procedure
Section 17.37	Connect procedure
Section 17.38	ConnectToResource procedure
Section 17.39	Continue procedure
Section 17.40	ContinueWithArgument procedure
Section 17.42	CreateCallSegmentAssociation procedure
Section 17.45	DisconnectForwardConnection procedure
Section 17.46	DisconnectForwardConnectionWithArgument procedure
Section 17.47	DisconnectLeg procedure

Section 17.51	EntityReleased procedure
Section 17.52	EstablishChargingRecord procedure
Section 17.53	EstablishTemporaryConnection procedure
Section 17.54	EventNotificationCharging procedure
Section 17.55	EventReportBCSM procedure
Section 17.56	EventReportFacility procedure
Section 17.58	FacilitySelectedAndAvailable procedure
Section 17.59	FurnishChargingInformation procedure
Section 17.60	HandlingInformationRequest procedure
Section 17.62	HoldCallInNetwork procedure
Section 17.64	InitialDP procedure
Section 17.65	InitiateAssociation procedure
Section 17.66	InitiateCallAttempt procedure
Section 17.67	ManageTriggerData procedure
Section 17.68	MergeCallSegments procedure
Section 17.70	MoveCallSegments procedure
Section 17.71	MoveLeg procedure
Section 17.72	NetworkCapability procedure
Section 17.73	NotificationProvided procedure
Section 17.74	OAbandon procedure
Section 17.75	OAnswer procedure
Section 17.76	OCalledPartyBusy procedure
Section 17.77	ODisconnect procedure
Section 17.78	OMidCall procedure
Section 17.79	ONoAnswer procedure
Section 17.80	OriginationAttempt procedure
Section 17.81	OriginationAttemptAuthorized procedure
Section 17.82	OSuspended procedure
Section 17.83	PlayAnnouncement procedure
Section 17.84	PromptAndCollectUserInformation procedure
Section 17.85	PromptAndReceiveMessage procedure
Section 17.86	ProvideUserInformation procedure
Section 17.87	Reconnect procedure
Section 17.88	ReleaseAssociation procedure
Section 17.89	ReleaseCall procedure
Section 17.91	ReportChargingInformation procedure

Section 17.92	ReportUTSI procedure
Section 17.93	RequestCurrentStatusReport procedure
Section 17.94	RequestEveryStatusChangeReport procedure
Section 17.95	RequestFirstStatusMatchReport procedure
Section 17.96	RequestNotification procedure
Section 17.97	RequestNotificationChargingEvent procedure
Section 17.98	RequestReportBCSMEEvent procedure
Section 17.99	RequestReportBCUSMEEvent procedure
Section 17.100	RequestReportFacilityEvent procedure
Section 17.101	RequestReportUTSI procedure
Section 17.103	ResetTimer procedure
Section 17.104	RouteSelectFailure procedure
Section 17.105	SCFBind procedure
Section 17.106	scfBind procedure (in the chaining case)
Section 17.107	SCFUnBind procedure
Section 17.108	scfUnBind procedure (in the chaining case)
Section 17.109	ScriptClose procedure
Section 17.110	ScriptEvent procedure
Section 17.111	ScriptInformation procedure
Section 17.112	ScriptRun procedure
Section 17.114	SelectFacility procedure
Section 17.115	SelectRoute procedure
Section 17.116	SendChargingInformation procedure
Section 17.117	SendComponent procedure
Section 17.118	SendFacilityInformation procedure
Section 17.119	SendSTUI procedure
Section 17.120	ServiceFilteringResponse procedure
Section 17.121	SpecializedResourceReport procedure
Section 17.122	SplitLeg procedure
Section 17.123	StatusReport procedure
Section 17.124	TAnswer procedure
Section 17.125	TBusy procedure
Section 17.126	TDisconnect procedure
Section 17.127	TerminationAttempt procedure
Section 17.128	TermAttemptAuthorized procedure
Section 17.129	TMidCall procedure

Section 17.130	TNoAnswer procedure
Section 17.131	TSuspended procedure
Section 18.1.2	SSF-SCF Interface
Section 18.1.3	SCF-SRF Interface
Section 18.1.4	SCF-CUSF Interface
Section 18.1.5	SCF-SCF Interface
Annex A	INAP SDLs
Appendix I	Expanded ASN.1
Appendix III	Examples of SPKM Algorithms

- (4) TTC specific descriptions added in this standard are indicated by the symbol ‘*’. Annex B, a list of useful terms and acronyms, is also added for the reference to this standard.

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

There is no difference in section order from the ITU-T Recommendation mentioned above.

3. The history of revised versions

Version	Date	Outline
1	April, 22, 1999	Established