

JT-Q762 General function of messages and signals

1. Relations with international standards

This standard conforms to ITU-T Recommendation Q.762 approved at the ITU-T SG11 plenary meeting in December 1999. "Application transport parameter (APP)" conforms to the Recommendation Q.762 addendum approved at the ITU-T SG11 plenary meeting in December 2000. "Calling Geodetic Location parameter " and "Calling Party Geodetic Velocity Information parameter" conform to the Recommendation Q.1902.2 determined at the ITU-T SG11 meeting in July 2001.

Notes; The Recommendation Q.1902.2 specifies Bearer Independent Call Control (BICC) protocol capability set 2 and Signalling System No.7 ISDN user part general functions of messages and parameters. Therefore, in this Standard the specifications of "Calling Geodetic Location parameter" and "Calling Party Geodetic Velocity Information parameter" conform to the Recommendation Q1902.2 which reflects the latest result of ITU-T meeting.

2. Summary of departures from ITU-T Recommendations

2.1 Optional items

None

2.2 National items

None

2.3 Others

- (1) This Standard includes the following additional items to the above ITU-T Recommendation (marked with '*' in this Standard).
 - (a) Table 1 indicates the added messages and the reasons for their addition.
 - (b) Table 2 indicates the parameters and the reasons for their addition.
- (2) The following items are deleted from the above ITU-T Recommendation:
 - (a) Table 3 shows the deleted messages and the reasons for their deletion.
 - (b) Table 4 shows the deleted parameters and the reasons for their deletion.

Description which is specified in ITU-T Recommendation but is out of scope of this Standard, is remained in this Standard and is marked with '#' to assist for understanding.

2.4 Comparison of chapter composition between the ITU-T Recommendation and this Standard.

There is no difference in chapter composition with the above ITU-T Recommendation.

3. The history of revised versions (1/2)

Versions	Date	Outline
1	April 28, 1987	Established.
2	April 28, 1989	Revised according to proceeding of ITU-T.
3	April 25, 1990	Revised accompanied by the addition of parameter.
4	April 28, 1992	Revised, accompanied by the revision of supplementary services standards. (JT-Q73X series)
5	April 27, 1993	Revised according to proceeding of ITU-T
6	April 27, 1994	Revised, accompanied by the addition of parameters for land-mobile communication. (JJ-70.10)
7	November 24, 1994	Revised, accompanied by the addition of a parameter for PHS roaming. (JT-Q1218-a)
8	November 28, 1995	Revised for the addition of the new parameter in order to align with the revisions of JT-Q731[III].
9	November 27, 1996	Revised for the addition of new parameters concerning to the redirection procedure, charging for users and adjustment between carriers.
10	April 23, 1997	Revised for the addition of the new parameters concerning to ISUP and INAP interworking.
11	November 26, 1997	Revised for the modification to charging adjustment between carriers, and accompanied by the establishment of the call offering supplementary service standard. (JT-Q732)
12	April 28, 1998	Revised for the support of Explicit Call Transfer (ECT) supplementary service procedure.
13	November 26, 1998	Revised for addition of the new parameters and messages concerning with pivot routing, call control and number portability procedures.
13.1	February 3, 1999	Editorial changes
14	April 22, 1999	Revised according to proceeding of ITU-T
15	November 25, 1999	Revised for the addition of the CCSS parameter and the modification of the parameters concerned with the pivot and redirection procedures.
16	April 20, 2000	Added the new parameters and messages needed to BICC procedures newly standardized as JT-Q1901, donor SCP carrier information and recipient SCP carrier information.
17	November 30, 2000	Specified the description of the Charge Information Delay parameter.
18	April 19, 2001	Revised according to proceeding of ITU-T and added the Calling Geodetic Location parameter.
19	November 27, 2001	Deleted the Pivot Routeing parameter because of deleting pivot routeing procedure in ISUP. Added the Calling Party Geodetic Velocity Information parameter.

3. The history of revised versions (2/2)

Versions	Date	Outline
20	May 30, 2002	Revised to add Emergency Call Indicator parameter

4. Others

None

Table 1 Messages additionally specified in the TTC standard

Message	Abbreviation	Reason for additional specification
Charge	CHG	Because signal informing charge information is not adequately specified in ITU-T, this is specified.

Table 2 Parameters additionally specified in the TTC standard

Parameters name	Reason for additional specification
Network function type	This is a parameter indicating a network function such as, contract ID transfer and is additionally specified.
Charge area information	This is a parameter peculiar to inter-network connection to inform the originating user area and is additionally specified.
Charge information	This parameter is for transferring items such as the details of a charge and is additionally specified.
Charge information type	This parameter is for identifying the charge information type and is additionally specified.
Contractor number	This is a parameter indicating the contracted subscriber number administrated by individual network and is additionally specified.
Mobile communication's end information transfer	This parameter is for transferring land-mobile communication specific information and is additionally specified.
Mobile communication's call reference	This is a parameter identifying the relevant call for land-mobile communication between the control exchange and is additionally specified.
Personal Station Number	This is a parameter indicating the Personal Station Number and is additionally specified.
Cause of no ID	This is a parameter indicating the specific reason why the calling party number is not provided to the called user and is additionally specified.
National redirection reason	This parameter indicates the reason why the call has redirected and is additionally specified.
Additional party's category	This parameter indicates additional information of calling/ called party's category and is additionally specified.
Charge Information delay	This parameter indicates that charge information will be informed in CHG message following ACM message and is additionally specified. Note; This parameter is specified only for supporting the previous Standards(9 th – 16 th editions).
Carrier Information transfer	This parameter indicates carrier information and is additionally specified.
Applied congestion control criteria information	This parameter indicates the one or more criterion of congestion control applied to the call at the one of preceding exchanges and is additionally specified.
Emergency Call Indicator	This parameter indicates that the call is emergency call and is additionally specified.

Table 3 Messages deleted from ITU-T Recommendation Q.762

Message type	Abbreviation	ITU-T No.	Reason for deletion
Charge information	CRG	2.7	Charge message is added.
Continuity check request	CCR	2.19	Since digital lines are assumed a continuity check function is not specified.
Facility accept	FAA	2.20	These are messages realising supplementary services. The supplementary services using these messages are not specified.
Facility reject	FRJ	2.22	
Facility request	FAR	2.23	
Forward transfer	FOT	2.24	This is a message for international calls and this is not needed for domestic calls.
Identification request	IDR	2.25	These are messages realising supplementary services. The supplementary services using these messages are not specified.
Identification response	IRS	2.26	
Information	INF	2.27	The related information is transferred by call control messages.
Information request	INR	2.28	
Loop-back acknowledgement	LPA	2.30	Digital lines are assumed.
Network resource management	NRM	2.32	This is a message for dynamic echo control. This function is not required at this time.
Overload	OLM	2.33	Since the basis of priority/non-priority is not clear, this procedure is not applied.
Pass along	PAM	2.34	This is a message realising supplementary services. The supplementary services using this message are not specified.
Subsequent directory number	SDM	2.41	The signalling procedure using this message is not specified.
Subsequent address	SAM	2.42	This is a message for overlap transfers, and because this is not used for domestic calls, this is not specified.
Unequipped circuit identification code	UCIC	2.46	This is satisfied by the circuit query function.
User part availability	UPA	2.47	These are messages for user part availability control. This function is not required at this time.
User part test	UPT	2.48	
User-to-user information	USR	2.49	This is a message for user-to-user information transfer. This function is not defined for inter-network use.

Table 4(1/2) Parameters deleted from ITU-T Recommendation Q.762

Parameter	ITU-T No.	Reason for deletion
Backward GVNS	3.6	The supplementary service using these parameters is not specified.
Call diversion information	3.7	
Call diversion treatment indicators	3.8	
Call history information	3.9	This is parameter for dynamic echo control. This function is not required at this time.
Call offering treatment indicators	3.10	The supplementary service using these parameters is not specified.
Call reference	3.11	
Call transfer number	3.12	
CCNR possible indicators	3.21	
Charged party identification	3.23	
Circuit assignment map	3.24	
Collect call request	3.28	
Conference treatment indicators	3.29	
Connection request	3.31	
Display information	3.34	
Echo control information	3.35	
Facility indicator	3.38	
Forward GVNS	3.40	
Generic reference	3.44	
Hop counter	3.45	This is premature in ITU-T.
HTR information	3.46	This is not used for domestic calls.
Information indicators	3.47	The supplementary service using these parameters is not specified.
Information request indicators	3.48	
Location number	3.49	This is premature in ITU-T.
MCID request indicators	3.51	The supplementary service using these parameters is not specified.
MCID response indicators	3.52	
MLPP precedence	3.54	
Network management controls	3.56	This is not needed for domestic calls.
Network routing number	3.57	
Number portability forward information	3.59	
Origination ISC point code	3.64	
Pivot capability	3.66	
Pivot counter	3.67	
Pivot routeing backward information	3.68	
Pivot routeing forward information	3.69	
Pivot routeing indicators	3.70	
Pivot status	3.71	The supplementary service using these parameters is not specified.
Propagation delay counter	3.72	This is parameter for dynamic echo control. This function is not required at this time.
Qo R capability	3.73	This is not needed for domestic calls.
Redirect status		

Table 4(2/2) Parameters deleted from ITU-T Recommendation Q.762

Parameter	ITU-T No.	Reason for deletion
Redirection number restriction	3.83	The supplementary service using these parameters is not specified.
Remote operations	3.84	
Service activation	3.86	
Subsequent number	3.88	
Transmission medium requirement prime	3.92	These are parameter for fallback procedure. This function is not required at this time.
Transmission medium used	3.93	The supplementary service using these parameters is not specified.
User service information prime	3.97	This is parameter for fallback procedure. This function is not required at this time.