JT-Q951   ISDN User-Network Interface Number Identification Supplementary Services

1. Relation with the international standards

This Standard is based on the Recommendation Q.951 of approved in the WTSC-93 meeting, in March, 1993.

2.Differences from ITU-T Recommendations / international standards

2.1 National matter item

(1) JT-Q951<III> Calling Line Identification Presentation (CLIP)

The following items are added to the TTC standard, which are not specified in ITU-T Recommendation Q.951.3.

(a)   The procedure to notify the detail reason why a calling party number is not indicated to a terminating user (Annex B)

(b)   The procedure to notify the additional caller related information to a terminating user (Annex C)

2.2 Selected options

(1) Of the optional items in ITU-T Recommendation Q.951.1, the followings have been selected in the TTC standard for the reasons described below. (Corresponding Chapter and Section numbers are shown in parentheses.)

(a) Transfer of DDI number from the network to an ISPBX or a private network (2.1)

Concerning the transfer of a DDI number from the network to an ISPBX or a private network, only the en bloc sending is standardized and the overlap sending is not recommended.

The reason why the overlap sending is not standardized is that the overlap sending (overlap incoming procedure) for the Called Party Number and the Keypad Facility information elements is not standardized in JT-Q931.   Also the en bloc procedure covers all the functions of the overlap sending.

(2) JT-Q951<II> Multiple Subscriber Number (MSN)

Of the optional items in ITU-T Recommendation Q.951.2, the followings have been selected in the TTC Standard for the reasons described below.   (Corresponding Chapter and Section numbers are shown in parentheses.)

(a) Default number designation for MSN (3.2)

It is standardized that the MSN subscriber designates one of the MSN numbers as the default number of the user-to-network interface.

The reason why non-designation of the default number is not standardized is because the transmission of the calling party number in the network is essential in the ISDN environment.

(3) JT-Q951<VIII> Subaddressing (SUB)

Of the optional items in ITU-T Recommendation Q.951.8, the followings have been selected in the TTC Standard for the reasons described below.   (Corresponding Chapter and Section numbers are shown in parentheses.)

(a) Maximum length of called party subaddress (2.1)

It is not standardized to allow the maximum length of the called party subaddress to be less than 20 octets.   It should, however, be noted that it is possibly limited to less than 20 octets in some networks for certain time of period, for international interconnections.

The reason why this limitation is not standardized is that it is only a provisional option, for a limited time, even in the ITU-T Recommendation.

2.3 Optional items

(1) JT-Q951<1> Direct Dialing IN (DDI)

The optional items in ITU-T Recommendation Q.951.1 except for those indicated in 2.1(1)-(a) are also considered as options in this Standard.

(2) JT-Q951<II> Multiple Subscriber Number (MSN)

The optional items in ITU-T Recommendation Q.951.2 except for those indicated in 2.1(2)-(a) are also considered as options in this Standard.

(3) JT-Q951<III> Calling Line Identification Presentation (CLIP)

The optional items in ITU-T Recommendation Q.951.3 are also considered as options in this standard.

(4) JT-Q951<IV> Calling Line Identification Restriction (CLIR)

The optional items in ITU-T Recommendation Q.951.4 are also considered as options in this standard.

(5) JT-Q951<V> Connected Line Identification Presentation (COLP)

The optional items in ITU-T Recommendation Q.951.5 are also considered as options in this standard.

(6) JT-Q951<VII> Connected Line Identification Restriction (COLR)

The optional items in ITU-T Recommendation Q.951.6 are also considered as options in this standard.

(7) JT-Q951<VIII> Subaddressing (SUB)

The optional items in ITU-T Recommendation Q.951.8 except for those indicated in 2.1(3)-(a) are also considered as options in this Standard.

2.4 Others

Differences in numbering between ITU-T Recommendations and TTC Standards are summarized below.

ITU-T Recommendation	TTC Standard JT-Q951
Q.951.1	<I>
Q.951.2	<II>
Q.951.3	<III>
Q.951.4	<IV>
Q.951.5	<V>
Q.951.6	<VI>
Q.951.8	<VIII>

3. History of revised versions

Version	Date	Outline
1	April 26, 1991	Published
2	April 28, 1992	Updated based on the result from ITU-T SG7 in September, 1991
3	April 27, 1994	Updated to follow ITU-T Q.951 approved in WTSC-93
4	November 28, 1995	Added the Annex B (Indication of the detailed reason for no calling party number is provided) as national matter
4.1	November 2, 1998	Corrected a part of description in [ ] 5.2.1.1.3 and [V] 5.2.3.1.3.
5	November 30, 2000	Added the Annex C (Indication of the additional caller related information) as national matter

4. Remarks

(1) When a terminal and a network are inter-connected based on this Standard, it is necessary to check the consistency in option selections as described in 2.3.

(2) Items that are specified in the ITU-T Recommendation but non-standard according to TTC as described in section 2.2 above of this Summary remain in the main body of the TTC Standard. This is to clarify the relation between the contents of this Standard and the ITU-T Recommendation, with the note that they are non-standard in the TTC Standard at each appropriate part.

(3) In accordance with the service specification methodology as described in ITU-T Recommendation I.130, general service definitions are given in the JT-I250 series (stage 1) of Standards and functional specifications for individual supplementary services such as function allocation to the terminal and network are described in the Q.80 series (stage 2) of Recommendations.

(4) Concerning the descriptions of the interactions with other supplementary services, it should be noted that those with the services not yet standardized at this moment may be modified or added at a later stage when they are standardized.

5. Others

(1) Recommendations and Standards to be referred to

TTC Standards

JT-I251<I>/<II>/<III>/<IV>/<V>/<VI>/<VIII>, JT-I411, JT-Q931

ITU-T Recommendations

E.163, E.164, I.420, Q.81.2