

Alternative in technical realisation in R99

This capability is important for domestic operator, here are several approach to satisfy this aiming to R99.

- 1) Use Current proposal in R99.
This is feasible in R99 implementation. No roaming is expected in the release. In the later release, consider alternative solution if it is a better approach.
- 2) Standardise "Cause of No Id IE" in SETUP message (NW -> MT). (no use of Locking Shift).
Requires CR for 24.008 and several CRs for 2x.081 series (x = 2,3,4).
This would need several more meetings.
- 3) Use Line Identification SS:
Another approaches is mentioned, yet there are some issued in this approach.
Those issues are;
 - Calling party BCD number IEI (spare bits) may be used for future ISUP enhancements.
 - 3 bits are not enough. Multiple causes has to be carried.
 - In future, number of causes may be increased, proposal has to be considered this.Addition to the technical issues, this procedure requires the work with S1, NSS and N1. Considering practical time schedule, this approach to be considered as a R00 task.

Conclusion

We also support having one common specification in 3GPP and avoid regional divination. According to our investigation, again, the proposed technical solution do not deviate from current 3GPP specification. Additionally, R99 implementation of this capability is important for local telecommunication operator. If there is no other practical solution can be available for R99, end of Mar 2000, proposed approach will have to be used for R99. For the later release, the study to be continued.

codeset 7: user-specific information

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-----3G TS 24.008 v.3.2.1 10.5.4.2-----

ANNEX2

Message type: SETUP

Significance: global

Direction: network to mobile station

Table 9.70/TS 24.008: SETUP message content (network to mobile station direction)

IEI	Information element	Type / Reference	Presence	Format	Length
	Call control protocol discriminator	Protocol discriminator 10.2	M	V	1/2
	Transaction identifier	Transaction identifier 10.3.2	M	V	1/2

	Setup message type	Message type 10.4	M	V	1
D-	BC repeat indicator	Repeat indicator 10.5.4.22	C	TV	1
04	Bearer capability 1	Bearer capability 10.5.4.5	O	TLV	3-16
04	Bearer capability 2	Bearer capability 10.5.4.5	O	TLV	3-16
1C	Facility	Facility 10.5.4.15	O	TLV	2-?
1E	Progress indicator	Progress indicator 10.5.4.21	O	TLV	4
34	Signal	Signal 10.5.4.23	O	TV	2
5C	Calling party BCD number	Calling party BCD num. 10.5.4.9	O	TLV	3-14
5D	Calling party sub-address	Calling party subaddr. 10.5.4.10	O	TLV	2-23
5E	Called party BCD number	Called party BCD num. 10.5.4.7	O	TLV	3-19
6D	Called party sub-address	Called party subaddr. 10.5.4.8	O	TLV	2-23
74	Redirecting party BCD number	Redirecting party BCD num. 10.5.4.21a	O	TLV	3-19
75	Redirecting party sub-address	Redirecting party subaddress. 10.5.4.21b	O	TLV	2-23
D-	LLC repeat indicator	Repeat indicator 10.5.4.22	O	TV	1
7C	Low layer compatibility I	Low layer comp. 10.5.4.18	O	TLV	2-18
7C	Low layer compatibility II	Low layer comp. 10.5.4.18	C	TLV	2-18
D-	HLC repeat indicator	Repeat indicator 10.5.4.22	O	TV	1
7D	High layer compatibility i	High layer comp. 10.5.4.16	O	TLV	2-5
7D	High layer compatibility ii	High layer comp. 10.5.4.16	C	TLV	2-5
7E	User-user	User-user 10.5.4.25	O	TLV	3-35
8-	Priority	Priority Level 10.5.1.11	O	TV	1
19	Alert	Alerting Pattern 10.5.4.26	O	TLV	3
95	Locking shift(national use)	Shift	O	TV	1
08	Cause of No Id		O	TLV	3-n
2D	Stream Identifier	Stream Identifier 10.5.4.XX	O	TLV	3

Cause of No Id

IEI

8 7 6 5 4 3 2 1

0 : : : : : Type 3 & 4 information elements

(0 0 0 1 0 0 0) Cause of No ID

8 7 6 5 4 3 2

	Cause of No ID IEI
0/1 ext	Length of Cause of No ID contents Cause of No ID

octet 1

octet 2

octet 3



Figure ANNEX3.1 Cause of No ID information element

Table ANNEX3.1 Cause of No ID information element

Cause of No ID value	
Bits	
7 6 5 4 3 2 1	
0000000	unavailable
0000001	rejected by user
0000010	interaction with other service
0000011	coin line
all other values are reserved	

Figure: Mobile Terminated procedure (included "Cause of No Id")

