

INTERNATIONAL TELECOMMUNICATION UNION

ITU-T RECOMMENDATION SUMMARY

Rec. No. : Q.951.2 **Title :** Stage 3 description for number identification supplementary services using DSS 1

Study Group : XI - Switching and Signalling

Version : New **Date of adoption :** 1992 **Notes :**

MULTIPLE SUBSCRIBER NUMBER (MSN)

The Multiple Subscriber Number (MSN) supplementary service provides the possibility for assigning multiple ISDN numbers to a single public or private access. Note that this allows, e.g.,:

- 1) a calling user to select, via the public network, one or multiple distinct terminals out of a multiple choice (e.g. in a passive bus configuration);
- 2) to identify the terminal to the network for the application of other supplementary services.

It is considered:

- that in the case of a basic access, some service providers may not have knowledge or control over what is connected, e.g. private ISDN or a terminal configuration;
- that Administrations have differing numbering methods;
- that common international terminal specifications are desired.

The stage 1 description, i.e. the MSN supplementary service description as seen from the user, can be found in Recommendation I.251.2.

The stage 2 description, i.e. the information flow for the MSN supplementary service, can be found in Recommendation Q.81.2.

Recommendation Q.951.2 specifies the stage 3 description, i.e. the protocol requirements for the MSN supplementary service at the coincident S and T reference point or at the T reference point (as defined in Recommendation I.411).

The MSN supplementary service enables each individual terminal on one access to have one or more identities, by which one individual terminal (e.g. at a passive bus configuration) can be discriminated from the others.

The Multiple Subscriber Number may be either:

- the whole ISDN number; or
- a part of the ISDN number (the least significant "n" digit(s) where "n" may be a number up to the full length of the ISDN number, and shall be a number large enough to allow all terminals on an access to be assigned an individual number); or
- as a service provider option, a number which can be mapped from the ISDN number by the network at the destination network side.

National or international prefixes cannot form part of the Multiple Subscriber Number.

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