



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

Q.285

**SPECIFICATIONS OF SIGNALLING SYSTEM No. 6
SIGNAL TRAFFIC CHARACTERISTICS**

SIGNAL PRIORITY CATEGORIES

ITU-T Recommendation Q.285

(Extract from the *Blue Book*)

NOTES

1 ITU-T Recommendation Q.285 was published in Fascicle VI.3 of the *Blue Book*. This file is an extract from the *Blue Book*. While the presentation and layout of the text might be slightly different from the *Blue Book* version, the contents of the file are identical to the *Blue Book* version and copyright conditions remain unchanged (see below).

2 In this Recommendation, the expression “Administration” is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

Recommendation Q.285

7.1 SIGNAL PRIORITY CATEGORIES

7.1.1 *Rules for signal priority*

The following rules for establishing priority categories must be followed in normal operation; within any of the priority categories, signals are transmitted in order of their arrival at the output buffer (see Recommendation Q.251, § 1.1.1):

- a) Acknowledgement signal units (12th signal unit of each block) have absolute priority for emission at their fixed predetermined position;
- b) Faulty link information (Recommendation Q.293, § 8.6.1) has priority over all other signals;
- c) The answer signal, charge, the answer signal, no charge and the multi-block-monitoring and multi-block-acknowledgement signals have priority over other waiting telephone signals and signalling-system-control signals except those cited in a) and b) above;
- d) All other telephone signals, one-unit or multi-unit messages, and all other signalling-system-control signals, except synchronization signal units, have priority over management or other signals concerned with the bulk handling of traffic;

Note - In the event that a management signal concerns the bulk restoration of service, e.g. RSB, RBA, TFA, TAA, this signal may take priority over other telephone or signalling system control signals.

- e) Any signal which is to be retransmitted will take precedence over other waiting signals in the same priority category;
- f) Management signals have priority over synchronization signal units;
- g) Synchronization signal units have no priority.

7.1.2 *Break-in*

a) Potential for a priority one-unit message to break into a multi-unit message is provided in the design of the format, but initially this feature will not apply except for ACU;

b) If a multi-unit message is used for a management signal, potential for break-in by a lone signal unit should be retained as a future option. However, there is no intent to provide means for a multi-unit message to apply break-in to another multi-unit message.

c) In the rare event that a SYU breaks into a multi-unit message (e.g. owing to severe processor overload), the multi-unit message may be accepted as valid.