INTERNATIONAL TELECOMMUNICATION UNION

# ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

# Q.695

(03/93)

## INTERWORKING OF SIGNALLING SYSTEMS

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# INTERWORKING OF SIGNALLING SYSTEMS – LOGIC PROCEDURES FOR INTERWORKING OF SIGNALLING SYSTEM No. 7 (ISUP) TO R2

## ITU-T Recommendation Q.695

(Previously "CCITT Recommendation")

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## FOREWORD

The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of the International Telecommunication Union. The ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Conference (WTSC), which meets every four years, established the topics for study by the ITU-T Study Groups which, in their turn, produce Recommendations on these topics.

ITU-T Recommendation Q.695 was prepared by the ITU-T Study Group XI (1988-1993) and was approved by the WTSC (Helsinki, March 1-12, 1993).

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NOTES

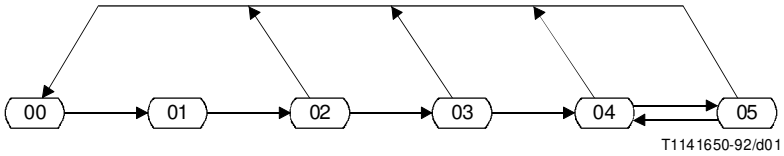
1 As a consequence of a reform process within the International Telecommunication Union (ITU), the CCITT ceased to exist as of 28 February 1993. In its place, the ITU Telecommunication Standardization Sector (ITU-T) was created as of 1 March 1993. Similarly, in this reform process, the CCIR and the IFRB have been replaced by the Radiocommunication Sector.

In order not to delay publication of this Recommendation, no change has been made in the text to references containing the acronyms "CCITT, CCIR or IFRB" or their associated entities such as Plenary Assembly, Secretariat, etc. Future editions of this Recommendation will contain the proper terminology related to the new ITU structure.

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

# INTERWORKING OF SIGNALLING SYSTEMS – LOGIC PROCEDURES FOR INTERWORKING OF SIGNALLING SYSTEM No. 7 (ISUP) TO R2

*(Helsinki, 1993)*




| *State number* | *State description* | *Sheet reference* |
|---|---|---|
| 00 | Idle | 1, 2, 4, 5, 6 |
| 01 | Wait for call set up information | 1 |
| 02 | Wait for address-complete | 2 |
| 03 | Wait for answer | 4 |
| 04 | Answered | 6 |
| 05 | Clear-back | 6 |

FIGURE 1/Q.695

**State overview diagram for interworking of Signalling System No. 7 (ISUP) to R2**

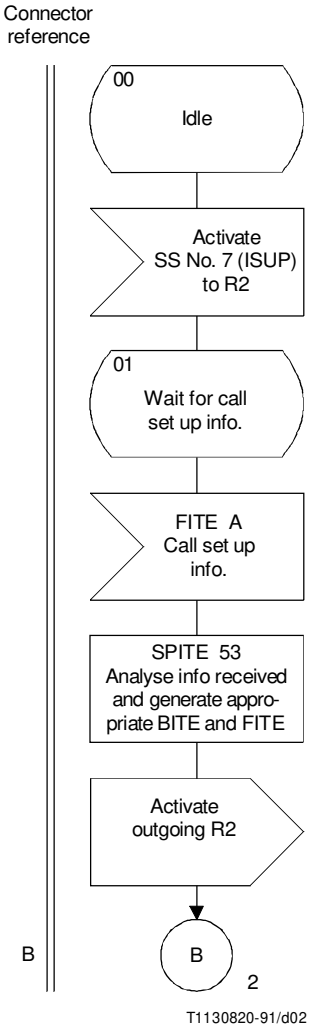



FIGURE 3/Q.695 (sheet 1 of 6)

**Interworking of Signalling System No. 7 (ISUP) to R2**

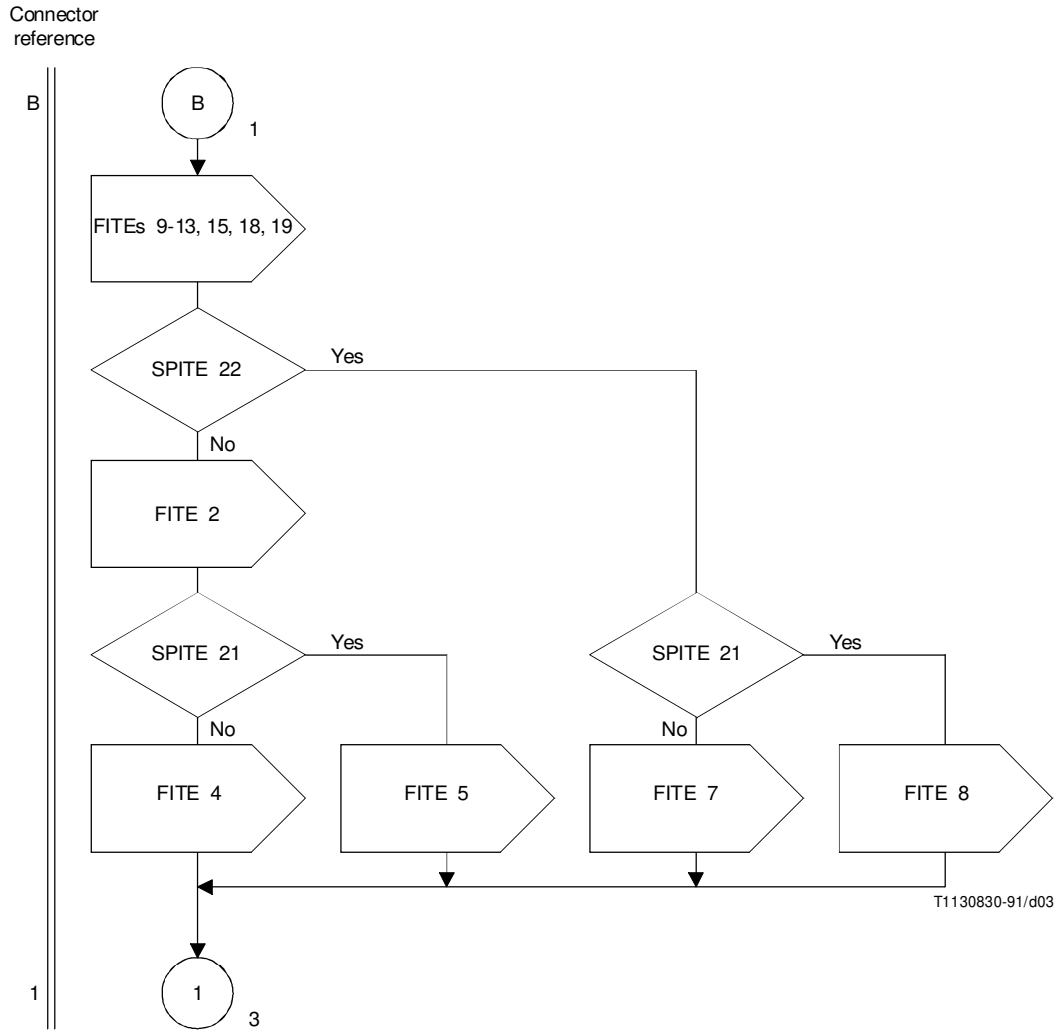
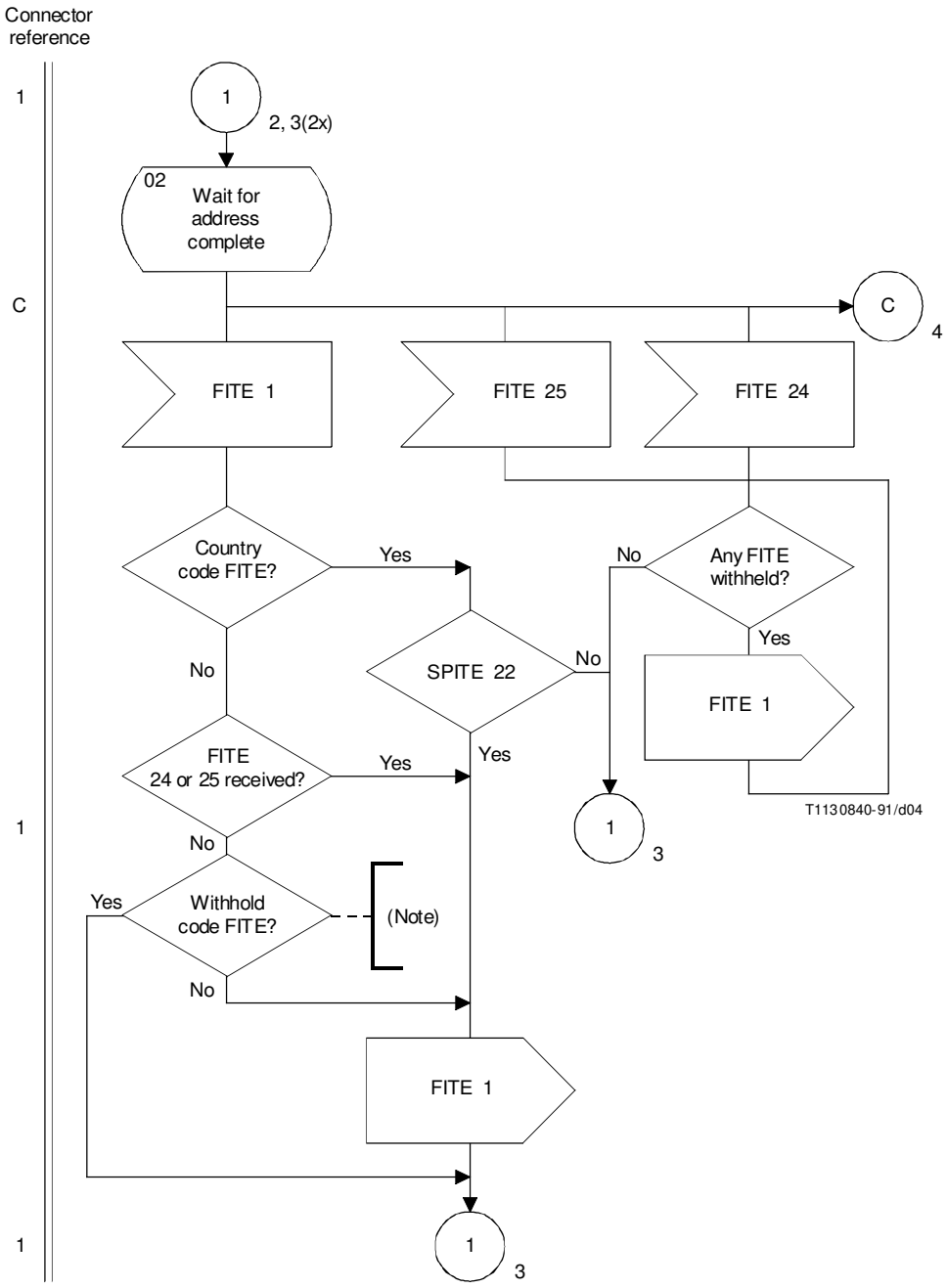



FIGURE 3/Q.695 (sheet 2 of 6)

**Interworking of Signalling System No. 7 (ISUP) to R2**




NOTE – Sufficient FITEs must be withheld to prevent an address-complete signal being received before (continuity) has been established when this is performed.

FIGURE 3/Q.695 (sheet 3 of 6)

**Inteworking of Signalling System No. 7 (ISUP) to R2**

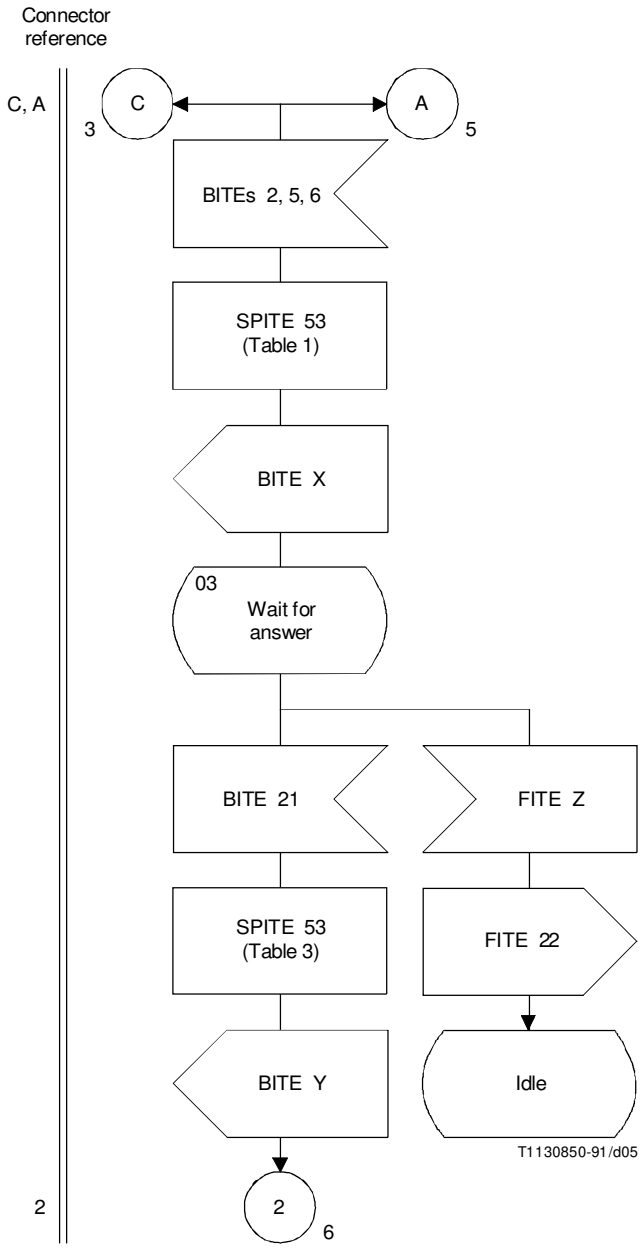



FIGURE 3/Q.695 (sheet 4 of 6)

**Interworking of Signalling System No. 7 (ISUP) to R2**

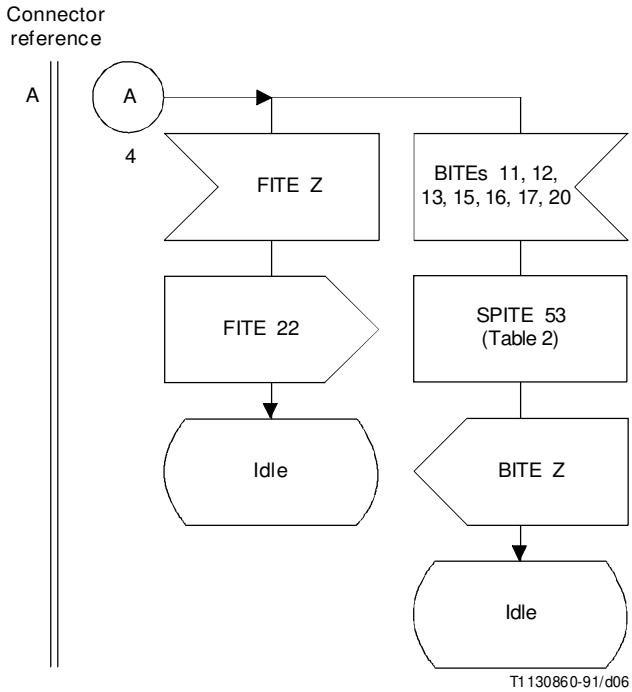



FIGURE 3/Q.695 (sheet 5 of 6)

**Interworking of Signalling System No. 7 (ISUP) to R2**

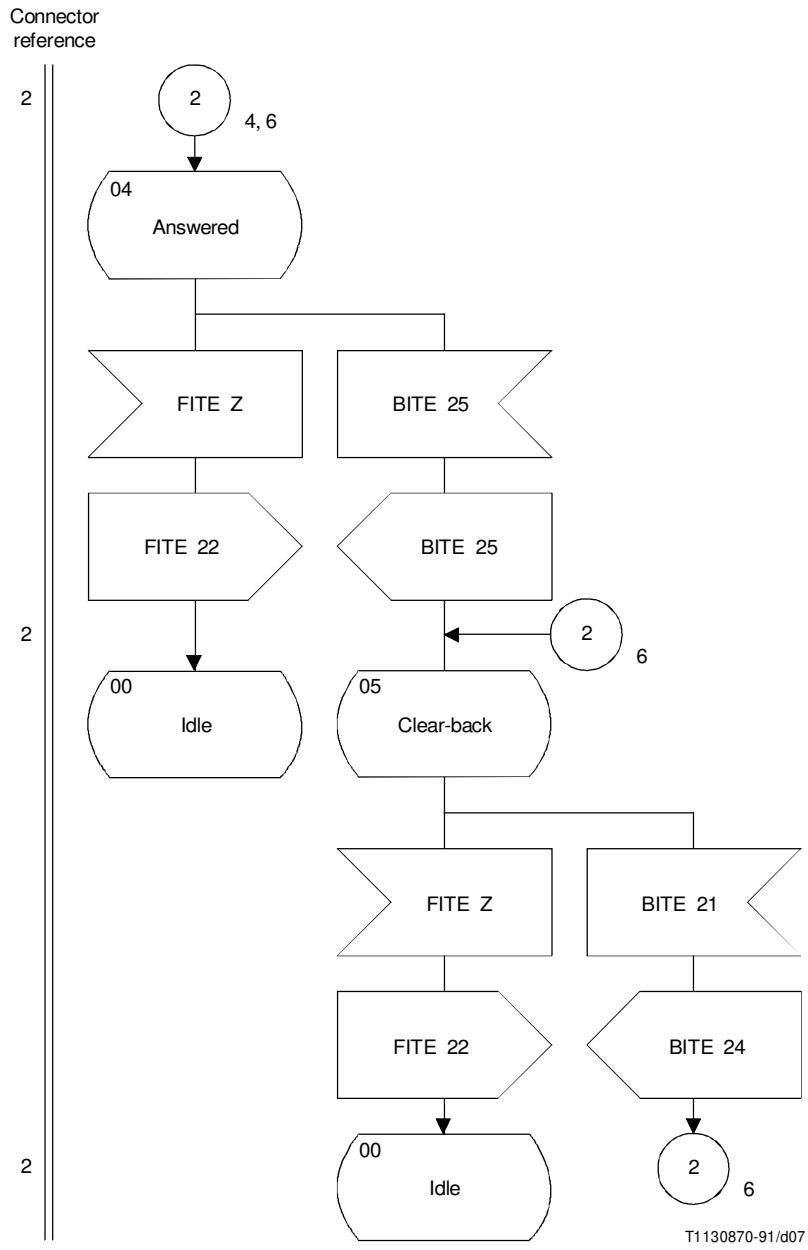



FIGURE 3/Q.695 (sheet 6 of 6)

**Interworking of Signalling System No. 7 (ISUP) to R2**

TABLE 1/Q.695

| | Received BITE | | |
|---|---|---|---|
| Backward call indicators in ACM | 2 | 5 | 6 |
| Charging indicator | 10 | 10 | 01 |
| Called party's status | 00 | 01 | 01 |
| Called party's category | 00 | 00 | 00 |
| Interworking indicator | 1 | 1 | 1 |

TABLE 2/Q.695

| Received BITE (release) | Cause sent | Location |
|---|---|---|
| 13 | 34 | 1010 |
| 11 | 34 | 1010 |
| 12 | 34/127 a) | 1010/0111 a) |
| 15 | 1 | 1010 |
| 16 | 17 | 1010 |
| 17 | 27 | 1010 |
| 20 | 4 | 1010 |

a) Only in timeout expiry.

TABLE 3/Q.695

| Backward call indicators in ANM |
|---|
| ANM without backward call indicators is to be sent |