INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

Q.691

(03/93)

INTERWORKING OF SIGNALLING SYSTEMS

INTERWORKING OF SIGNALLING SYSTEMS – LOGIC PROCEDURES FOR INTERWORKING OF SIGNALLING SYSTEM No. 7 (ISUP) TO No. 6

ITU-T Recommendation Q.691

(Previously "CCITT Recommendation")

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

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 Similarly, in this reform process, the CCIR and the IFRB have been replaced by the Radiocommunication Sector.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.

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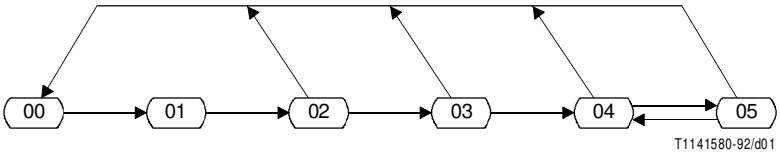
INTERWORKING OF SIGNALLING SYSTEMS – LOGIC PROCEDURES FOR INTERWORKING OF SIGNALLING SYSTEM No. 7 (ISUP) TO No. 6

(Helsinki, 1993)



State number	*State description*	*Sheet reference*
00	Idle	1, 2, 3, 4
01	Wait for call set up information	1
02	Wait for address-complete	2
03	Wait for answer	2
04	Answered	4
05	Clear–back	4

FIGURE 1/Q.691

State overview diagram for interworking of Signalling System No. 7 (ISUP) to No. 6

Procedures not shown

The following procedure, not directly relevant to interworking, is not shown in the logic:

P_1 – Procedures for repeat attempt.

FIGURE 2/Q.691

Notes to interworking of Signalling System No. 7 (TUP) to No. 6

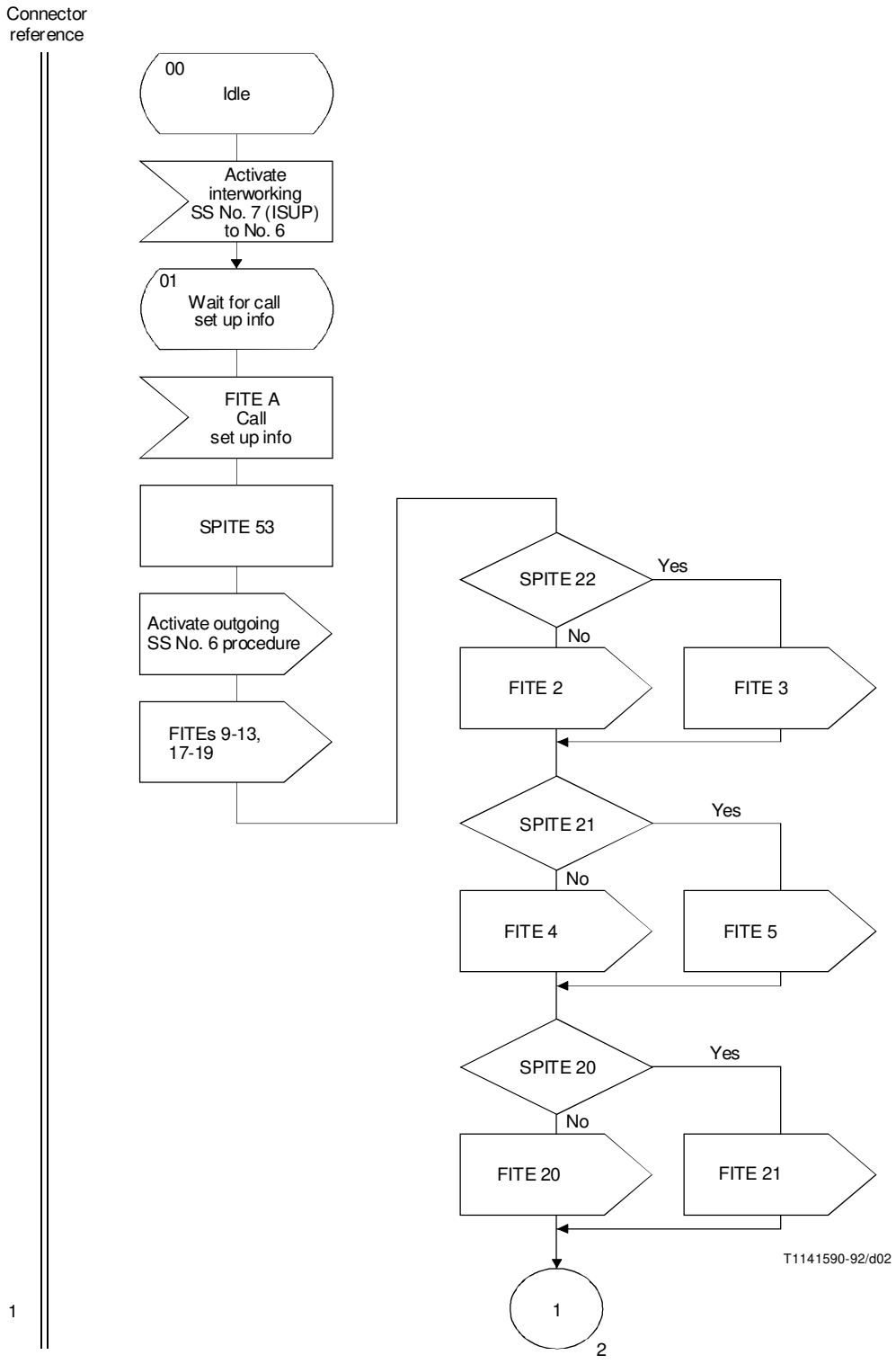


FIGURE 3/Q.691 (sheet 1 of 4)

Interworking of Signalling System No. 7 (ISUP) to No. 6

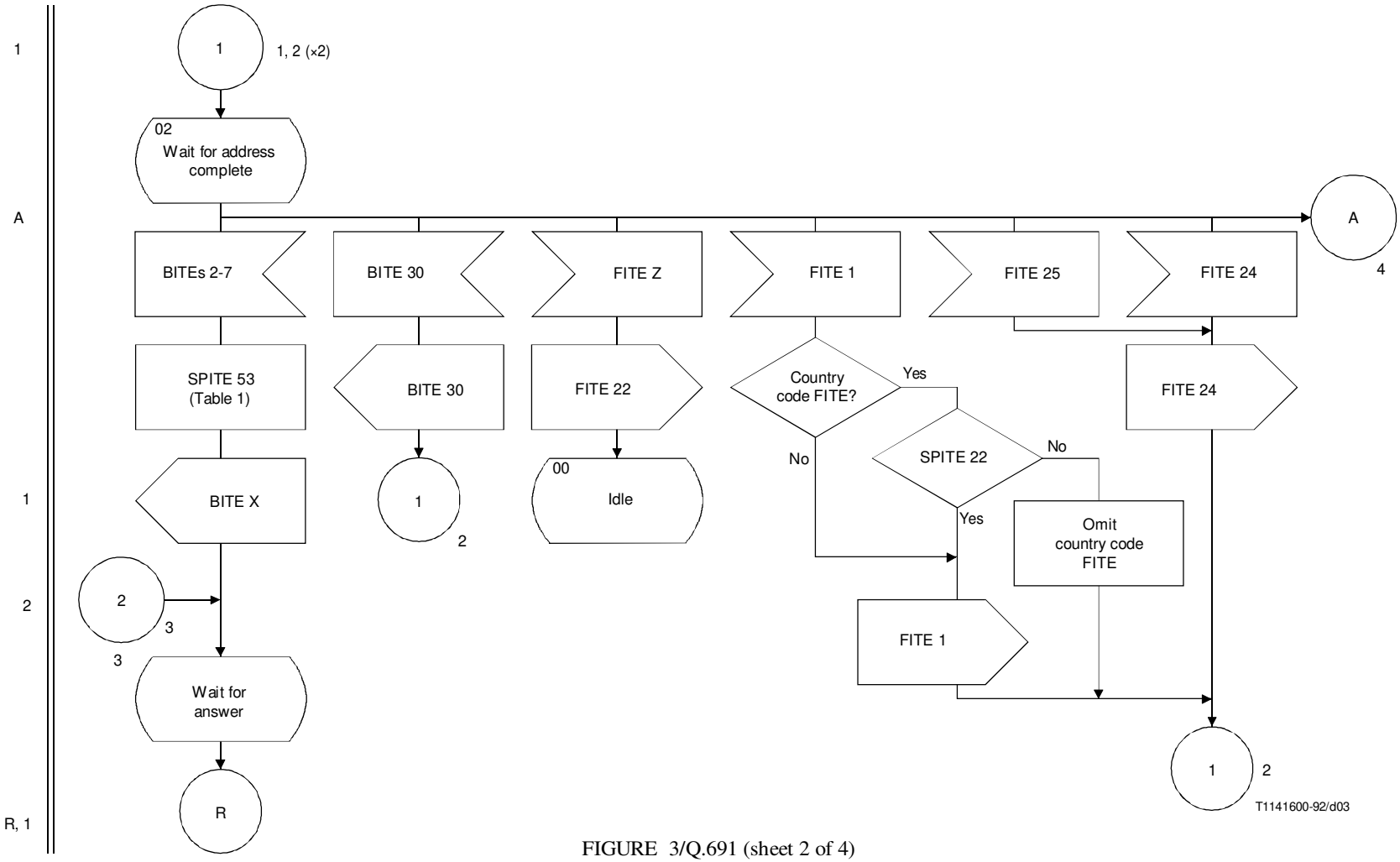


FIGURE 3/Q.691 (sheet 2 of 4)

Interworking of Signalling System No. 7 (ISUP) to No. 6

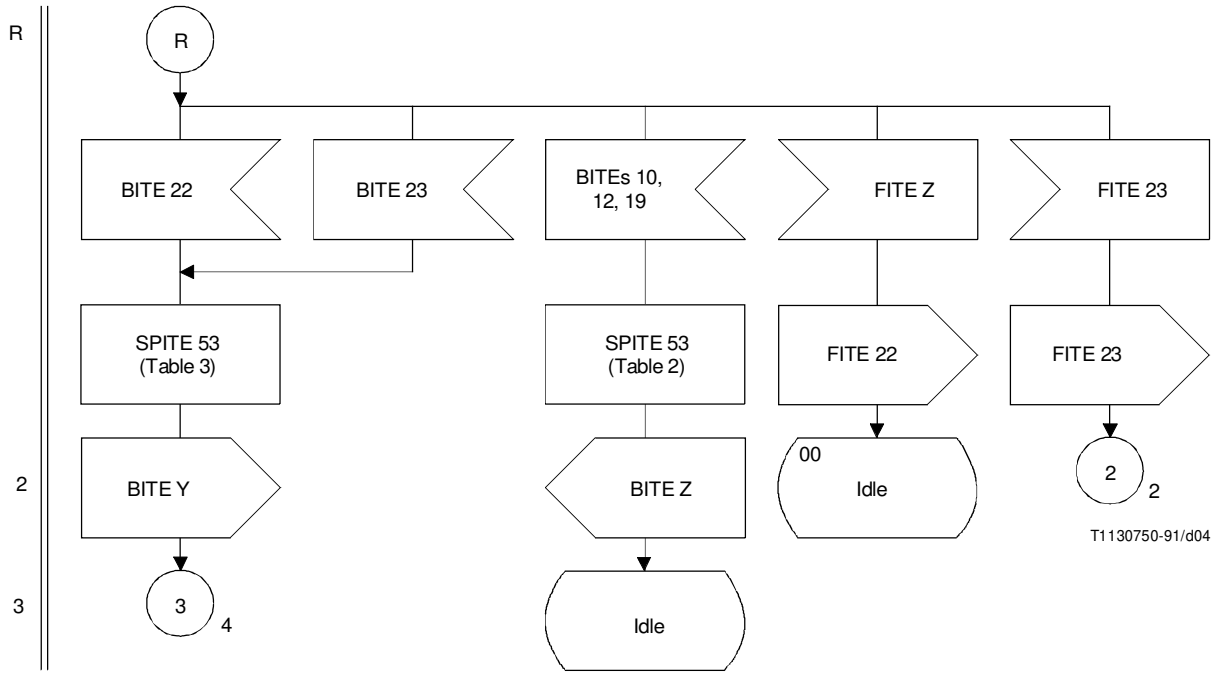


FIGURE 3/Q.691 (sheet 3 of 4)

Interworking of Signalling System No. 7 (ISUP) to No. 6

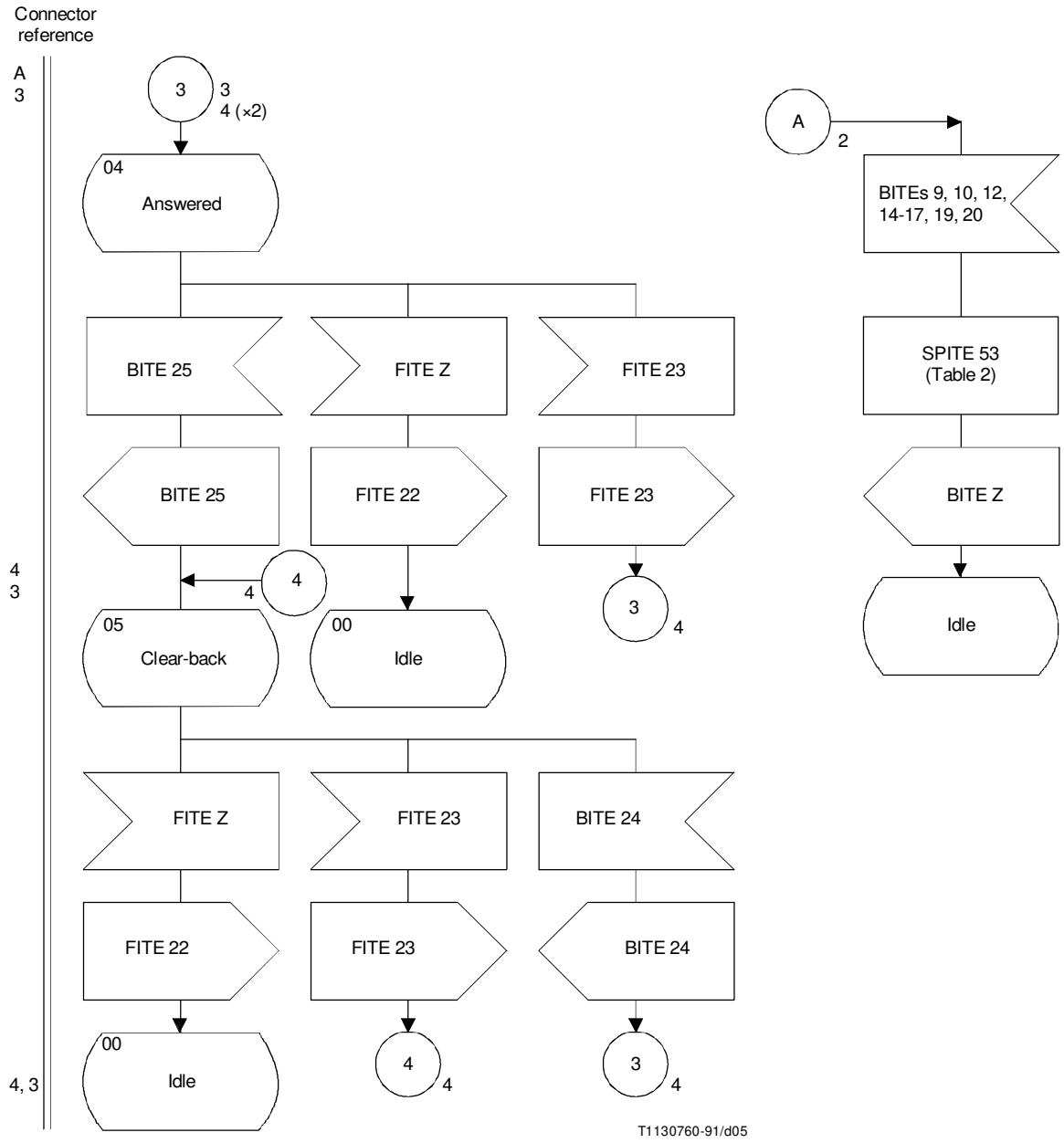


FIGURE 3/Q.691 (sheet 4 of 4)

Interworking of Signalling System No. 7 (ISUP) to No. 6

TABLE 1/Q.691

Received BITES						
Backward call indicators in ACM	2	3	4	5	6	7
Charging indicator	10	01	10	10	01	10
Called party's status	00	00	00	01	01	01
Called party's category	00	00	10	00	00	10
Interworking indicator	1	1	1	1	1	1

TABLE 2/Q.691

Received BITE (release)	Cause sent	Location
9	42	1010
10	34	1010
12	34	1010
14	28	1010
15	1	1010
16	17	1010
17	27	1010
19	31/127 a)	1010/0111 a)
20	4	1010

a) Only in timeout expiry.

TABLE 3/Q.691

Backward call indicators in ANM				
Received BITE	Charge indicator	Called party's status	Called party's category	Interworking
22	10	01	00	0
23	01	01	00	0