



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

Q.612

INTERWORKING OF SIGNALLING SYSTEMS

**LOGIC PROCEDURES FOR INCOMING
SIGNALLING SYSTEM No. 5**

ITU-T Recommendation Q.612

(Extract from the *Blue Book*)

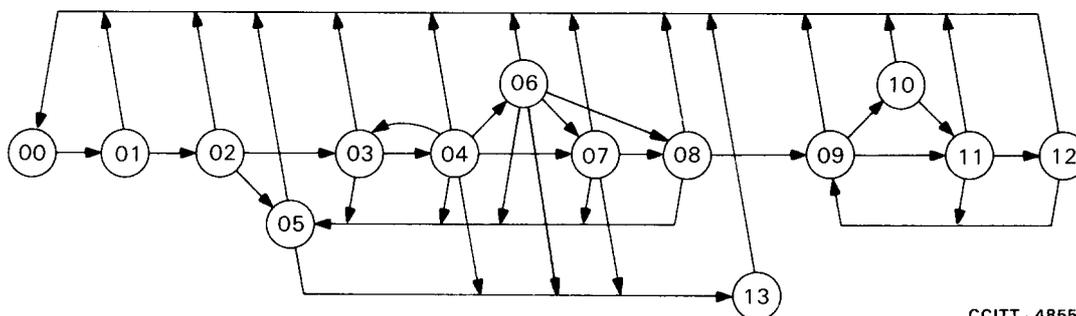
NOTES

1 ITU-T Recommendation Q.612 was published in Fascicle VI.6 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.612

LOGIC PROCEDURES FOR INCOMING SIGNALLING SYSTEM No. 5



CCITT - 48550

State number	State description	Sheet reference	Running timers
00	Idle	1,4	
01	Wait for register activation	1	
02	Wait for register signal	1	t_1+t_2
03	Wait for next register signal	1	t_2
04	Wait for digit analysis	2	t_2
05	Wait for acknowledgement	2	t_3
06	Wait for next register signal	3	t_2
07	Wait for register deactivation	3	
08	Wait for answer	3	
09	Wait for acknowledgement	4	t_3
10	Answered	4	
11	Wait for acknowledgement	4	t_3
12	Clear-back	4	
13	Wait for clear-forward	2	

FIGURE 1/Q.612

State overview diagram for incoming Signalling System No. 5

Supervisory timers

- $t_1 = 10-20$ s Recommendation Q.141, § 2.1.3.1, e); Q.141, § 2.1.6, d)
- $t_2 = 20-40$ s Recommendation Q.156, § 3.6.2, b)
- $t_3 = 10-20$ s Recommendation Q.141, § 2.1.3.1, e)

Procedures not shown

The following procedures, not directly relevant to interworking, are not shown in the logic procedures.

- P_1 - Procedure for timeout of receipt of busy flash acknowledgement signal
- P_2 - Procedure for timeout of receipt of answer acknowledgement signal
- P_3 - Procedure for timeout of receipt of clearback acknowledgement signal

FIGURE 2/Q.612

Notes to incoming Signalling System N°. 5

Connector reference

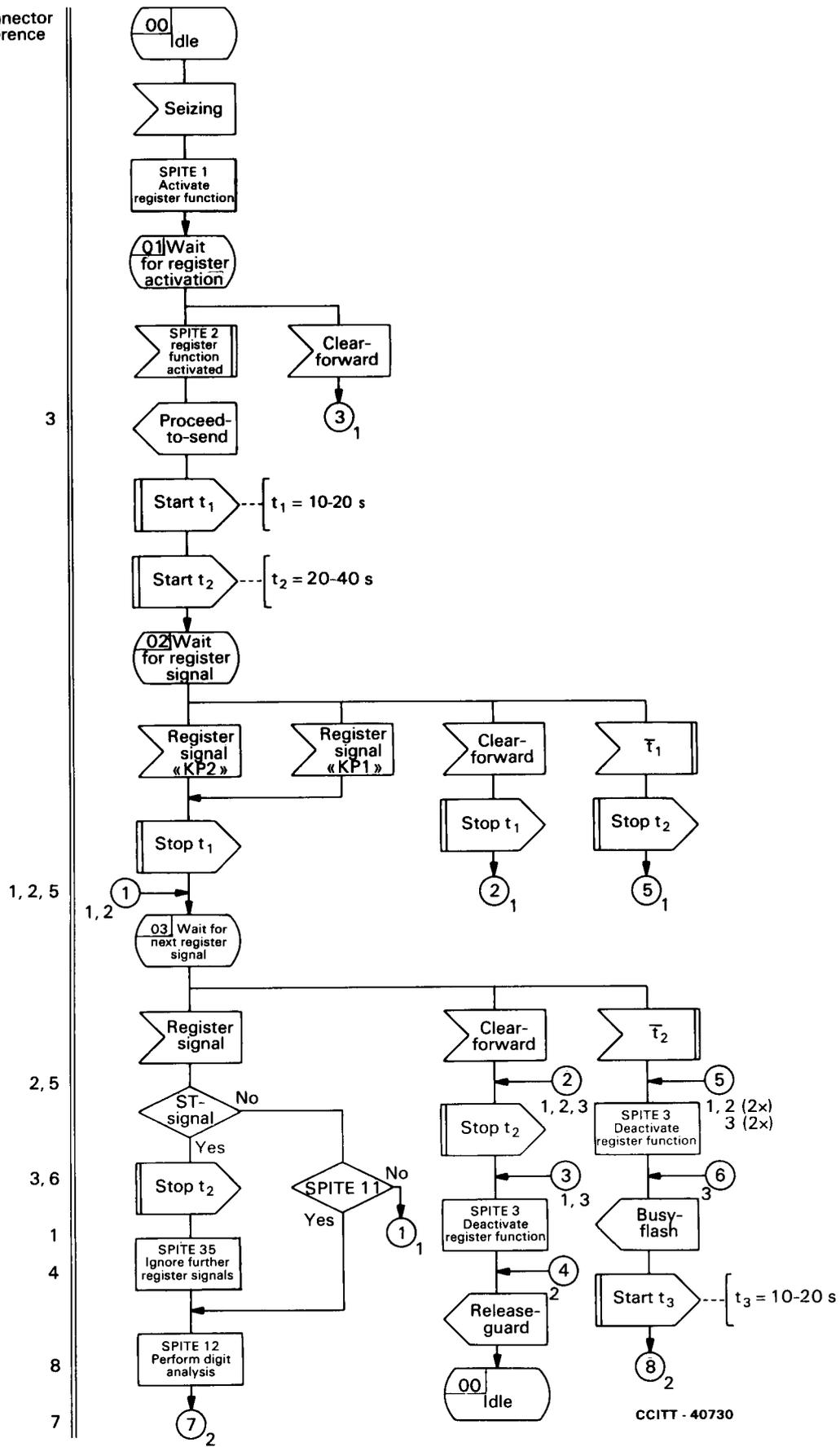


FIGURE 3/Q.612 (Sheet 1 of 4)
Incoming Signalling System No. 5

Connector reference

7, 8

1, 2, 5

5, 9

9

7

4

12

10, 11

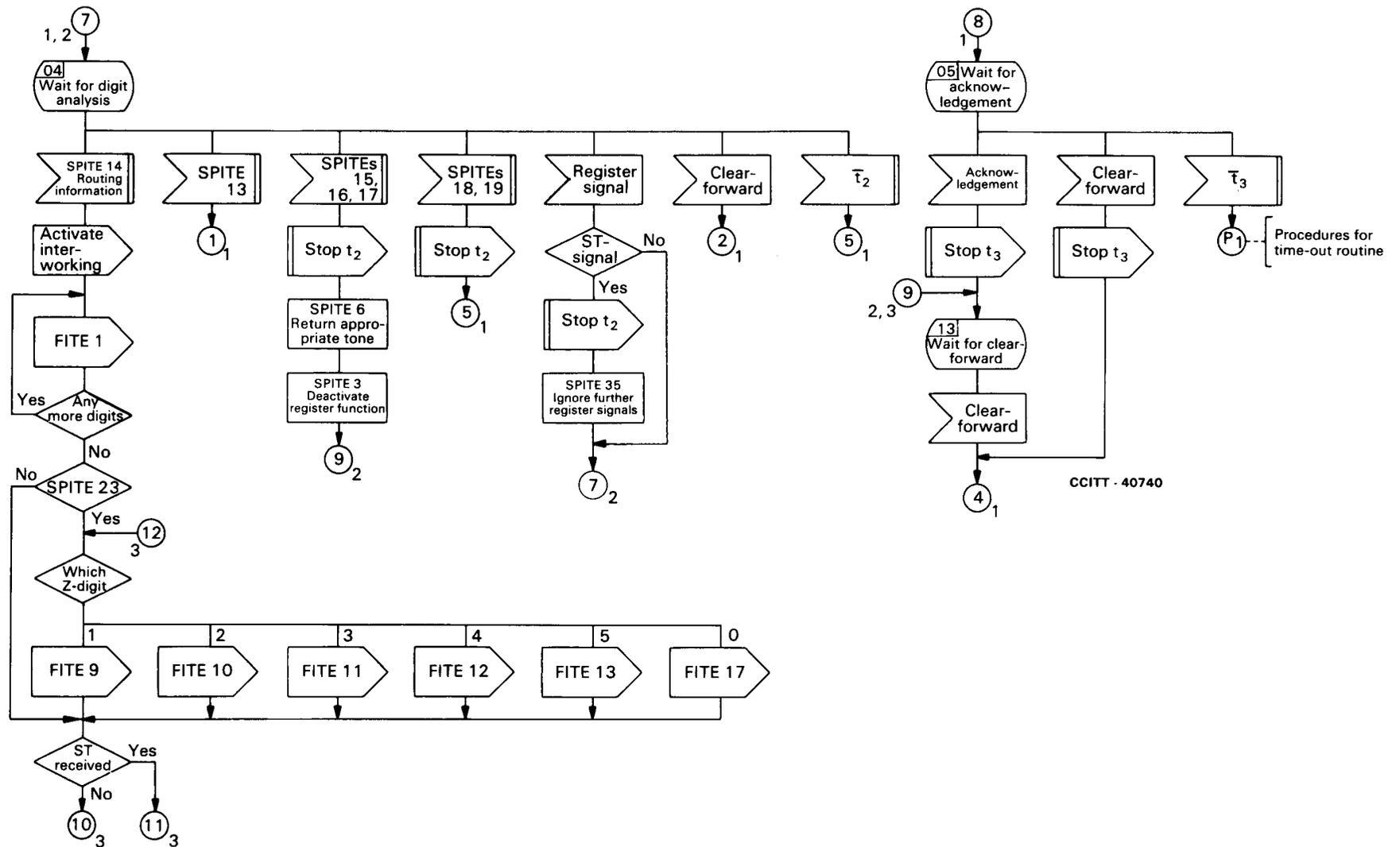


FIGURE 3/Q.612 (Sheet 2 of 4)
Incoming Signalling System No. 5

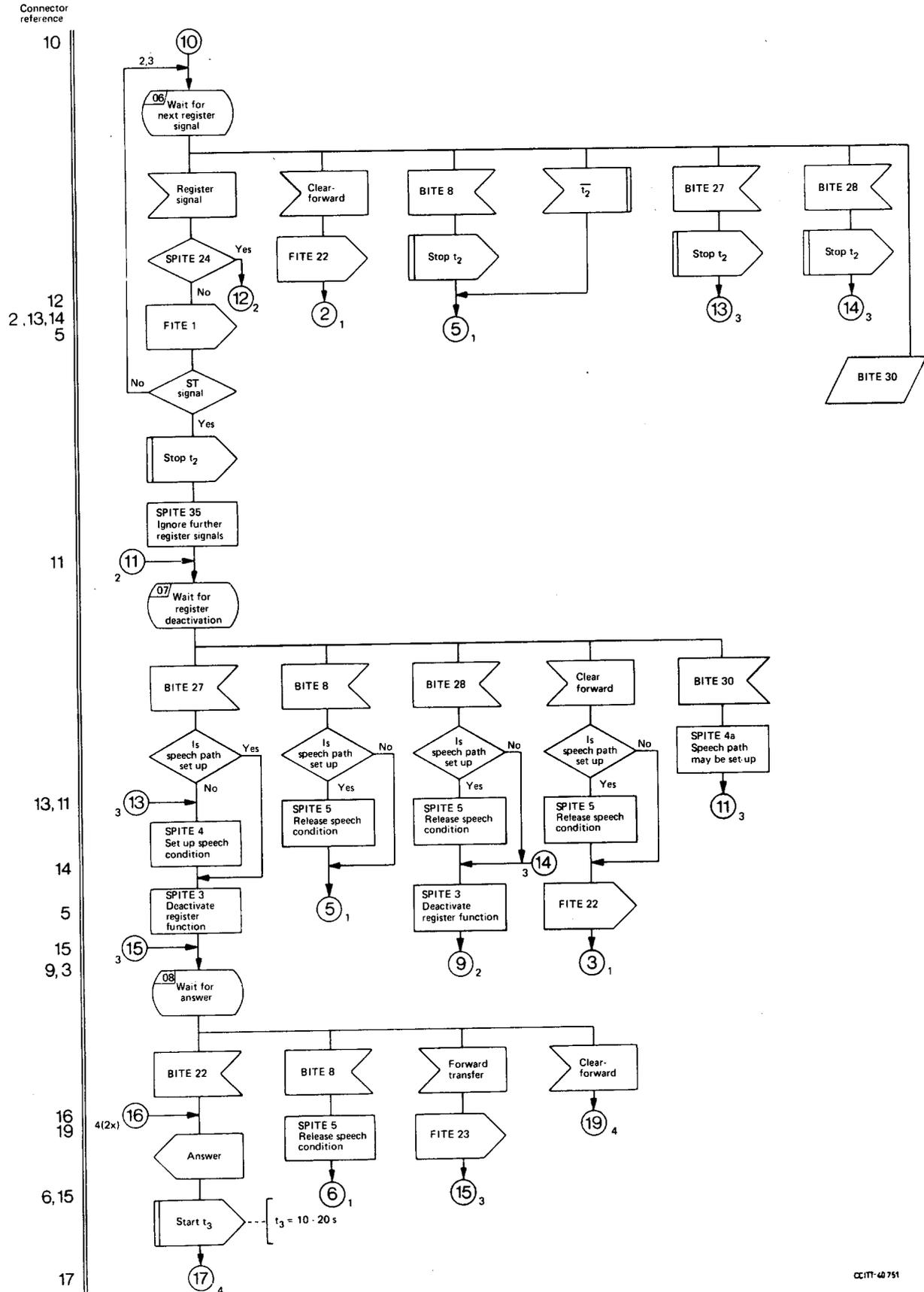
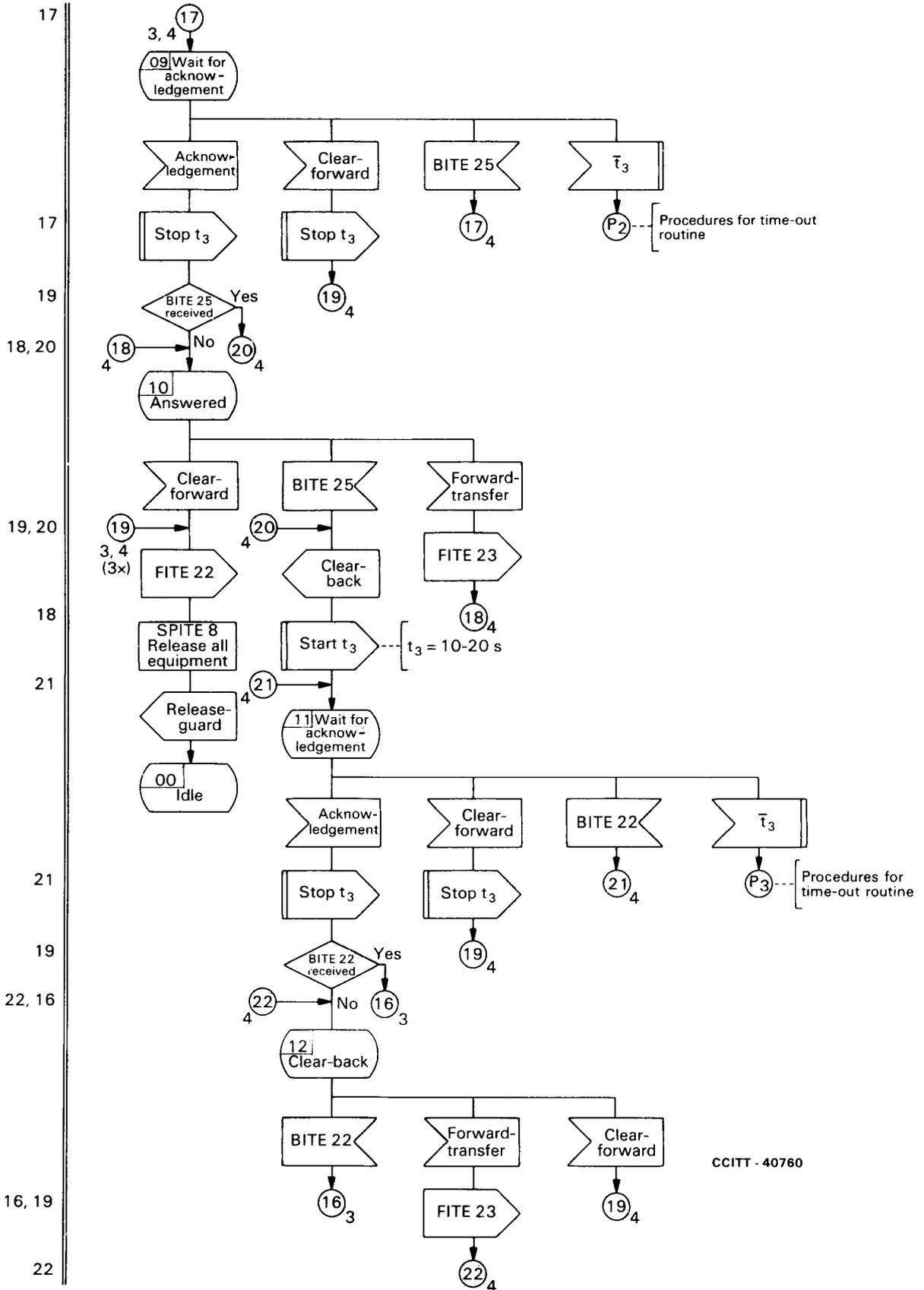


FIGURE 3/Q.612 (Sheet 3 of 4)

Incoming Signalling System No. 5

Connector reference



CCITT - 40760

FIGURE 3/Q.612 (Sheet 4 of 4)

Incoming Signalling System No. 5