



INTERNATIONAL TELECOMMUNICATION UNION

**ITU-T**

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**Q.613**

**INTERWORKING OF SIGNALLING SYSTEMS**

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**LOGIC PROCEDURES FOR INCOMING  
SIGNALLING SYSTEM No. 6**

**ITU-T Recommendation Q.613**

(Extract from the *Blue Book*)

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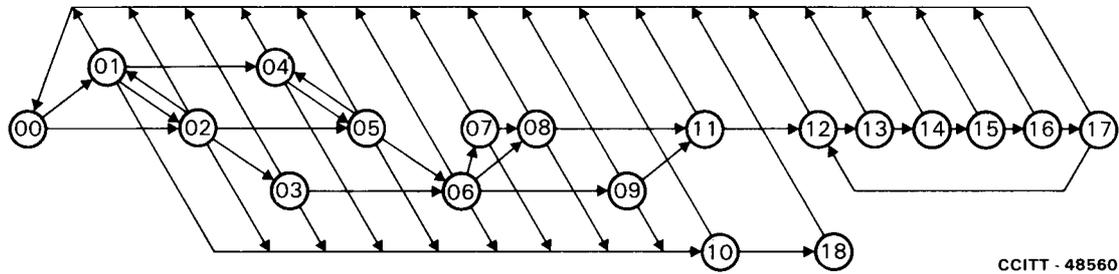
## NOTES

1 ITU-T Recommendation Q.613 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.613

LOGIC PROCEDURES FOR INCOMING SIGNALLING SYSTEM No. 6



CCITT - 48560

State number	State description	Sheet reference	Timers running
00	Idle	1, 8	
01	Wait for further digits	1	$t_1, t_2$
02	Wait for digit analysis	3	$t_1, t_2$ or $t_3$
03	Wait for continuity check (COT)	4	$t_1, t_2$ or $t_3$
04	Wait for further digits (COT received)	2	$t_2$
05	Wait for digit analysis (COT received)	2	$t_2$ or $t_3$
06	Wait for address complete (COT received)	5	$t_2$ or $t_3$
07	Wait for register deactivation	5	
08	Address complete – Wait for answer	7	
09	Address complete, subscriber free – Wait for answer	7	
10	Call unsuccessful – wait for clear-forward	6	$t_4$
11	Answered	7	
12	Clear-back 1	7	
13	Reanswer 1	7	
14	Clear-back 2	8	
15	Reanswer 2	8	
16	Clear-back 3	8	
17	Reanswer 3	8	
18	Call failure – wait for clear-forward	6	$t_4, t_5$

FIGURE 1/Q.613

State overview diagram for incoming Signalling System No. 6

*Supervisory timers for incoming Signalling System No. 6*

$t_1 = 10-15$  s Recommendation Q.268, § 4.8.5.3, a)  
 $t_2 = 15-20$  s Recommendation Q.261, § 4.1.6  
 $t_3 = 20-30$  s Recommendation Q.268, § 4.8.5.3, a)  
 $t_4 = 4-15$  s Recommendation Q.268, § 4.8.5.3, b)  
 $t_5 = 1$  min Recommendation Q.268, § 4.8.5.3. b)

*Procedures not shown*

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

- Dual seizure,
- Blocking and unblocking sequences,
- Unreasonable sequences,
- Confusion and message refusal signals,
- Reset circuit/band procedures,
- Test call procedures,
- Out of service.

*Signal abbreviations used*

The signal abbreviations used correspond to those of the Signalling System No. 6 specifications unless otherwise indicated on the same sheet.

FIGURE 2/Q.613

**Notes to incoming Signalling System No. 6**

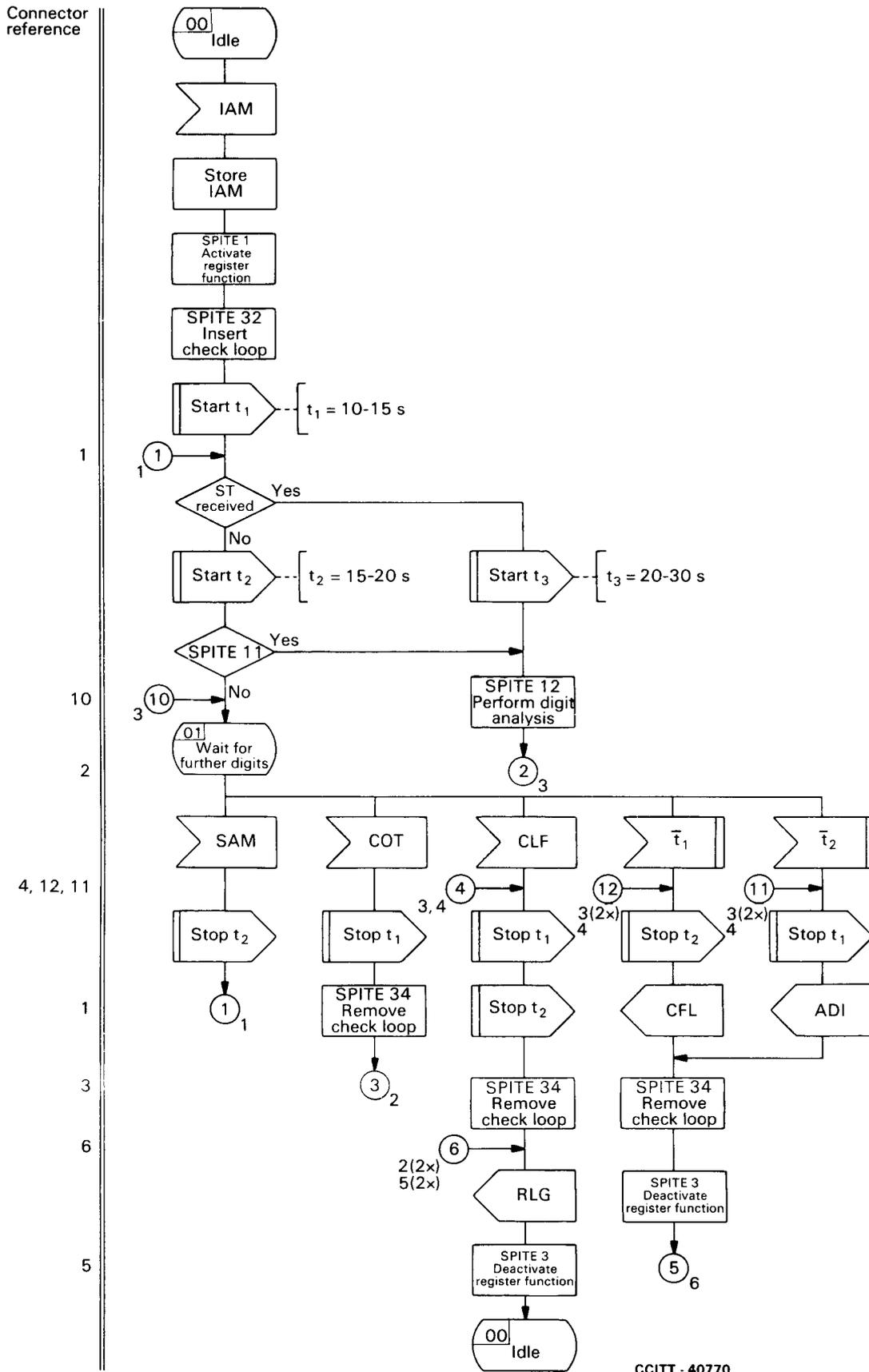


FIGURE 3/Q.613 (Sheet 1 of 8)  
Incoming Signalling System No. 6



Connector reference

2  
A  
7, 11  
10  
4, 12, 12  
11, 8  
2  
A  
5

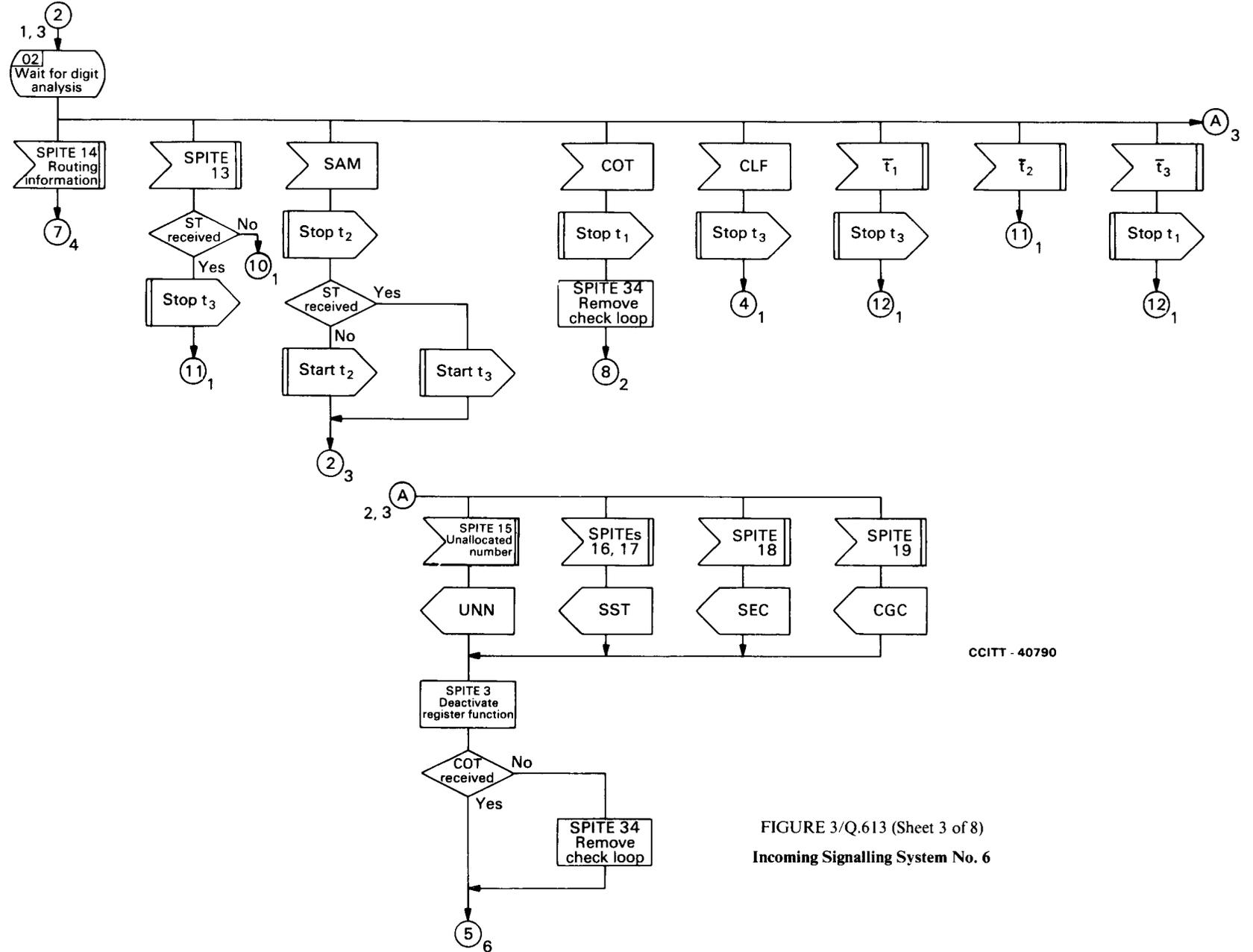
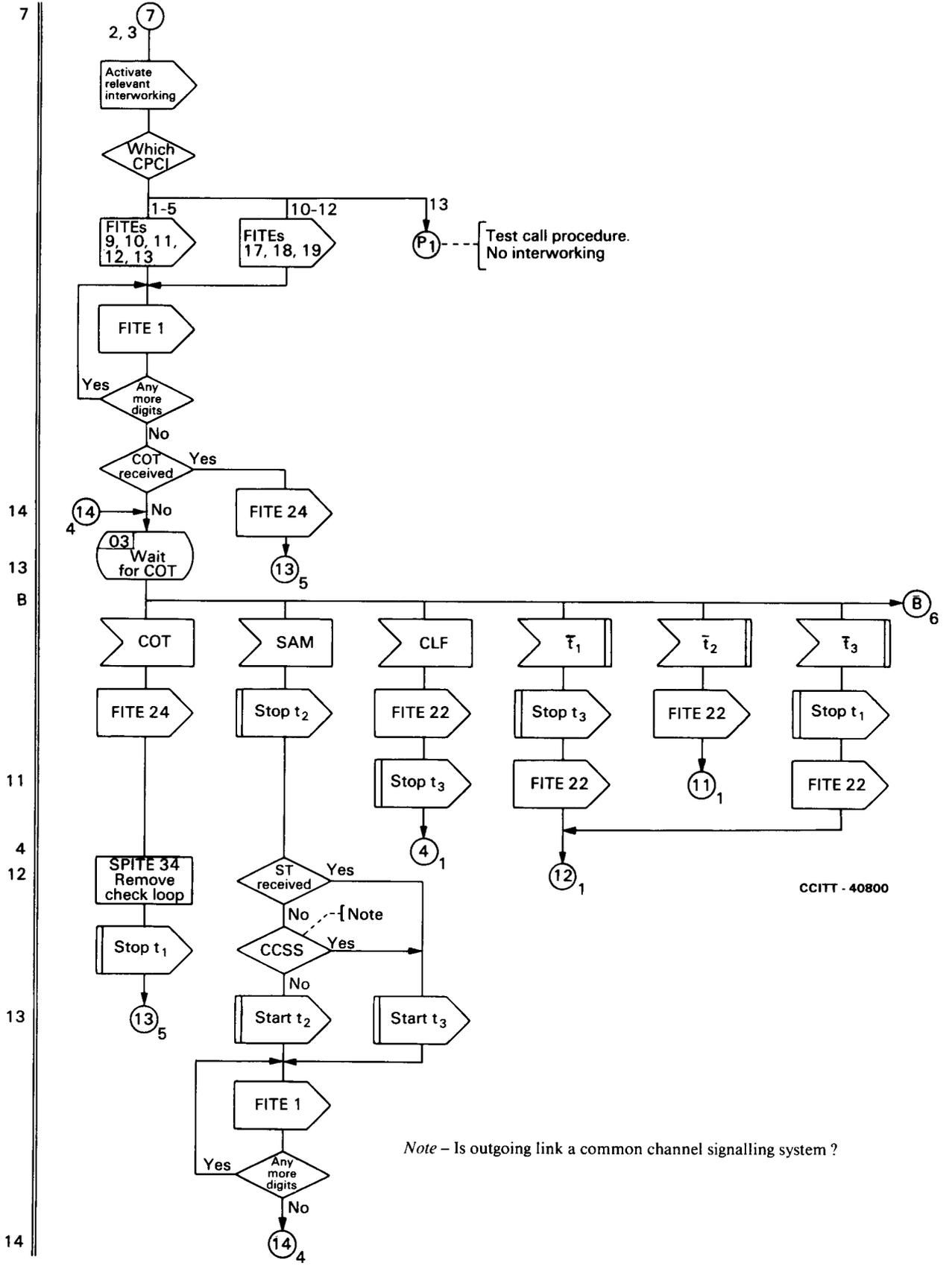


FIGURE 3/Q.613 (Sheet 3 of 8)  
Incoming Signalling System No. 6



CCITT - 40800

Note - Is outgoing link a common channel signalling system ?

FIGURE 3/Q.613 (Sheet 4 of 8)  
Incoming Signalling System No. 6

Connector reference  
 13  
 13  
 15  
 6  
 28  
 B  
 16, 17  
 3, 9, 18

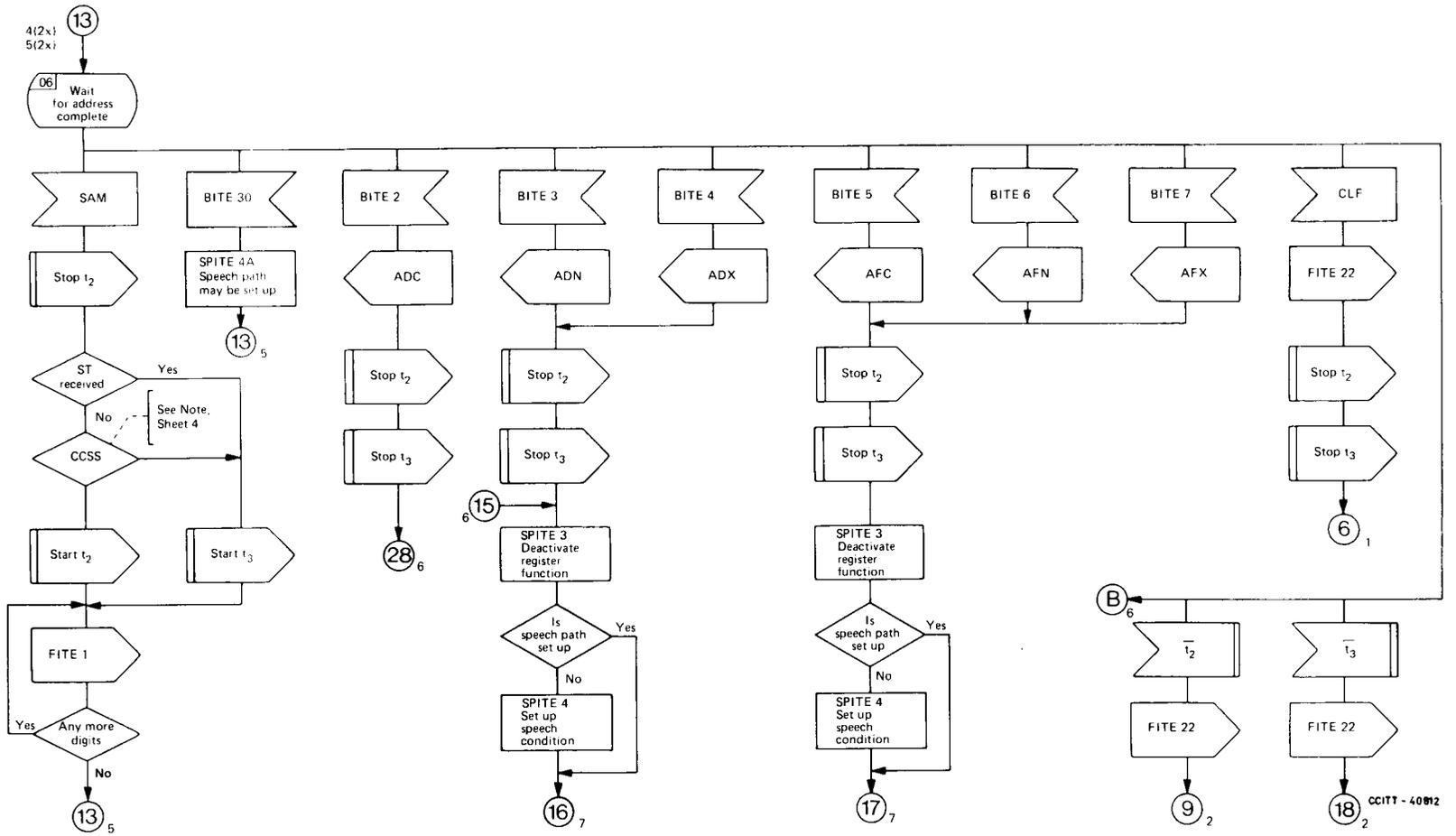
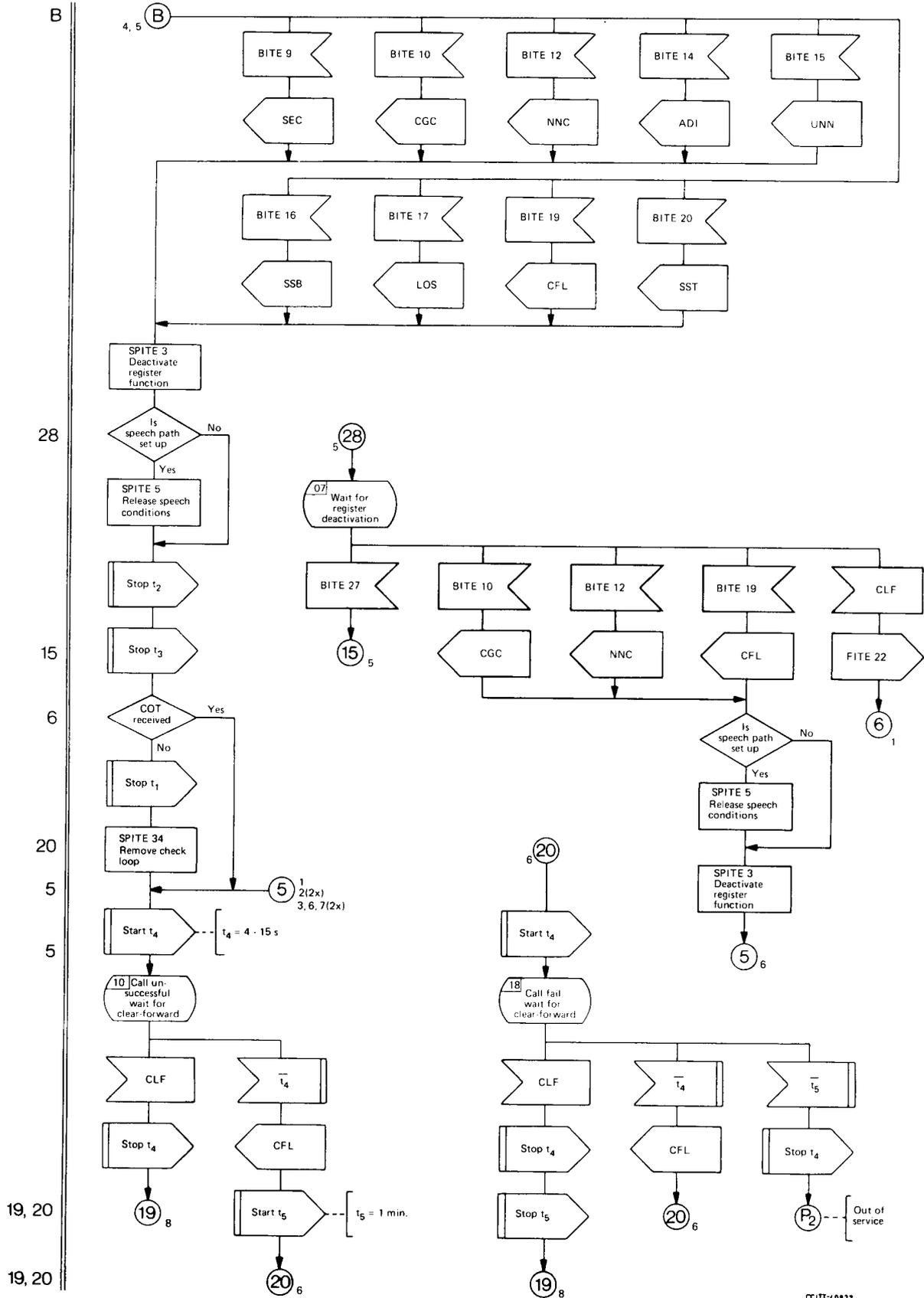


FIGURE 3/Q.613 (Sheet 5 of 8)

Incoming Signalling System No. 6



CCITT-40022

FIGURE 3/Q.613 (Sheet 6 of 8)

Incoming Signalling System No. 6

Connector reference

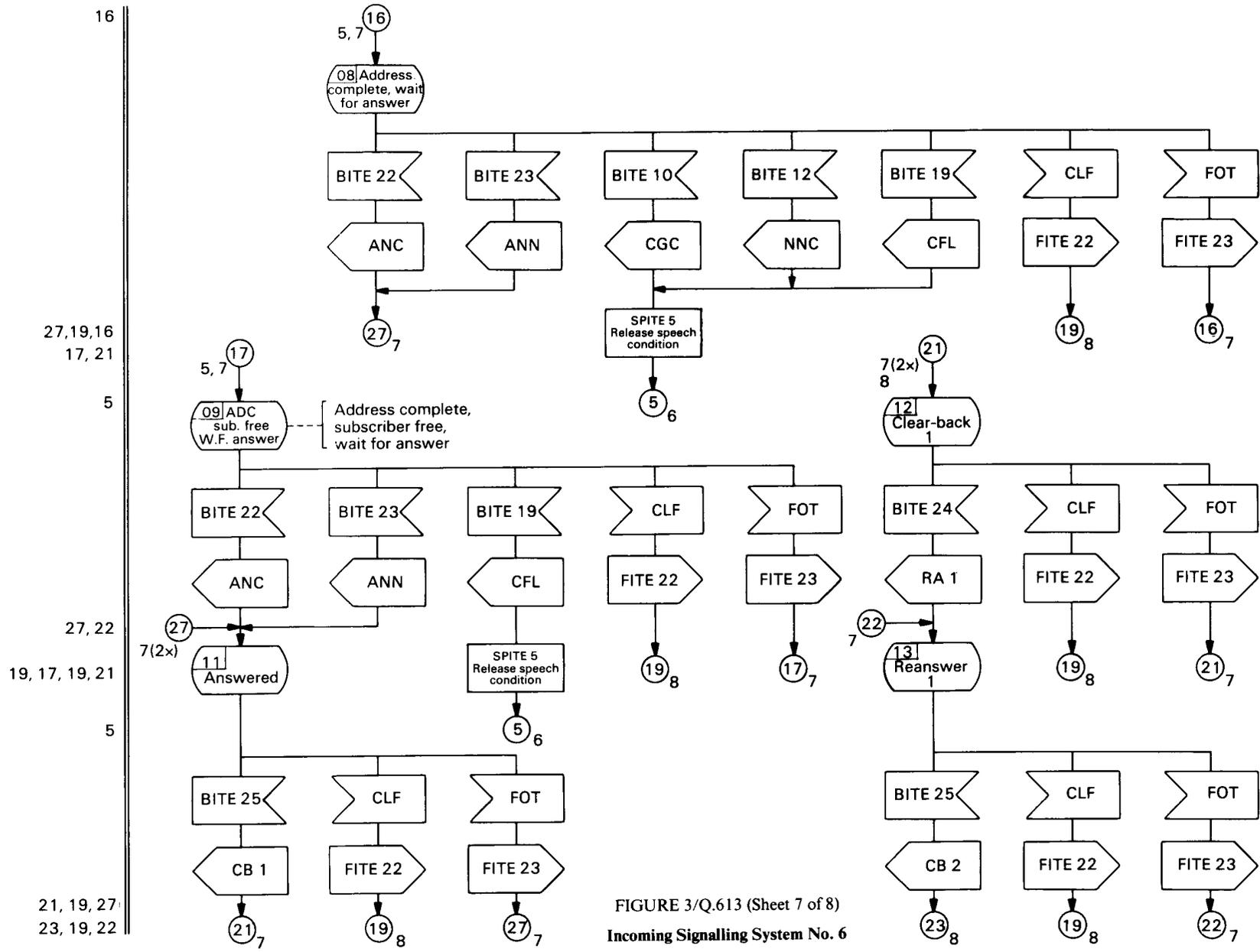


FIGURE 3/Q.613 (Sheet 7 of 8)  
Incoming Signalling System No. 6

