



INTERNATIONAL TELECOMMUNICATION UNION

**ITU-T**

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**Q.623**

**INTERWORKING OF SIGNALLING SYSTEMS**

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

**ITU-T Recommendation Q.623**

(Extract from the *Blue Book*)

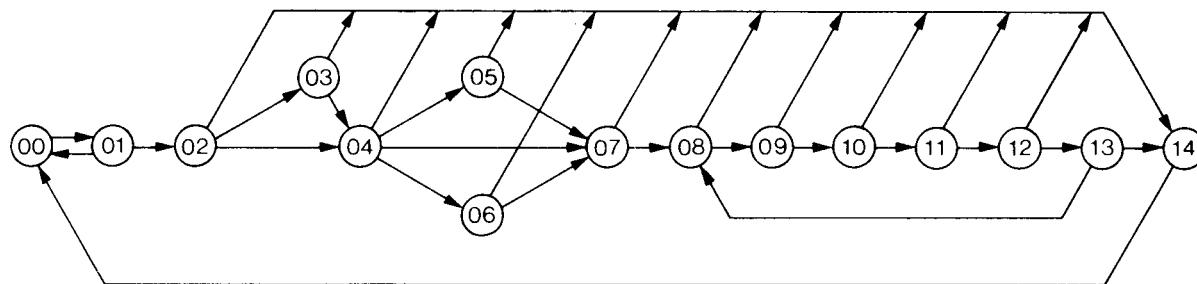
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## NOTES

- 1 ITU-T Recommendation Q.623 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.623**

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



CCITT-48610

State number	State description	Sheet reference	Timers running
00	Idle	1, 5	
01	Wait for FITEs OF IAM	1	
02	Wait for continuity check	2	$t_1, t_2$
03	Wait for continuity indicator	2	$t_2$
04	Wait for address-complete	3	$t_2$
05	Wait for answer	3	
06	Wait for answer (subscriber free)	4	
07	Answered	4	
08	Clear-back 1	4	
09	Reanswer 1	4	
10	Clear-back 2	4	
11	Reanswer 2	5	
12	Clear-back 3	5	
13	Reanswer 3	5	
14	Wait for release-guard	5	$t_3, t_4$

FIGURE 1/Q.623

**State overview diagram for outgoing Signalling System No. 6**

*Supervisory timers for outgoing Signalling System No. 6*

- $t_1 = 2s$  Recommendation Q.271, § 5.7.1
- $t_2 = 20-30s$  Recommendation Q.268, § 4.8.5.1, a)
- $t_3 = 4-15s$  Recommendation Q.268, § 4.8.2.3
- $t_4 = 1 \text{ min.}$  Recommendation Q.268, § 4.8.2.3, a)

*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.

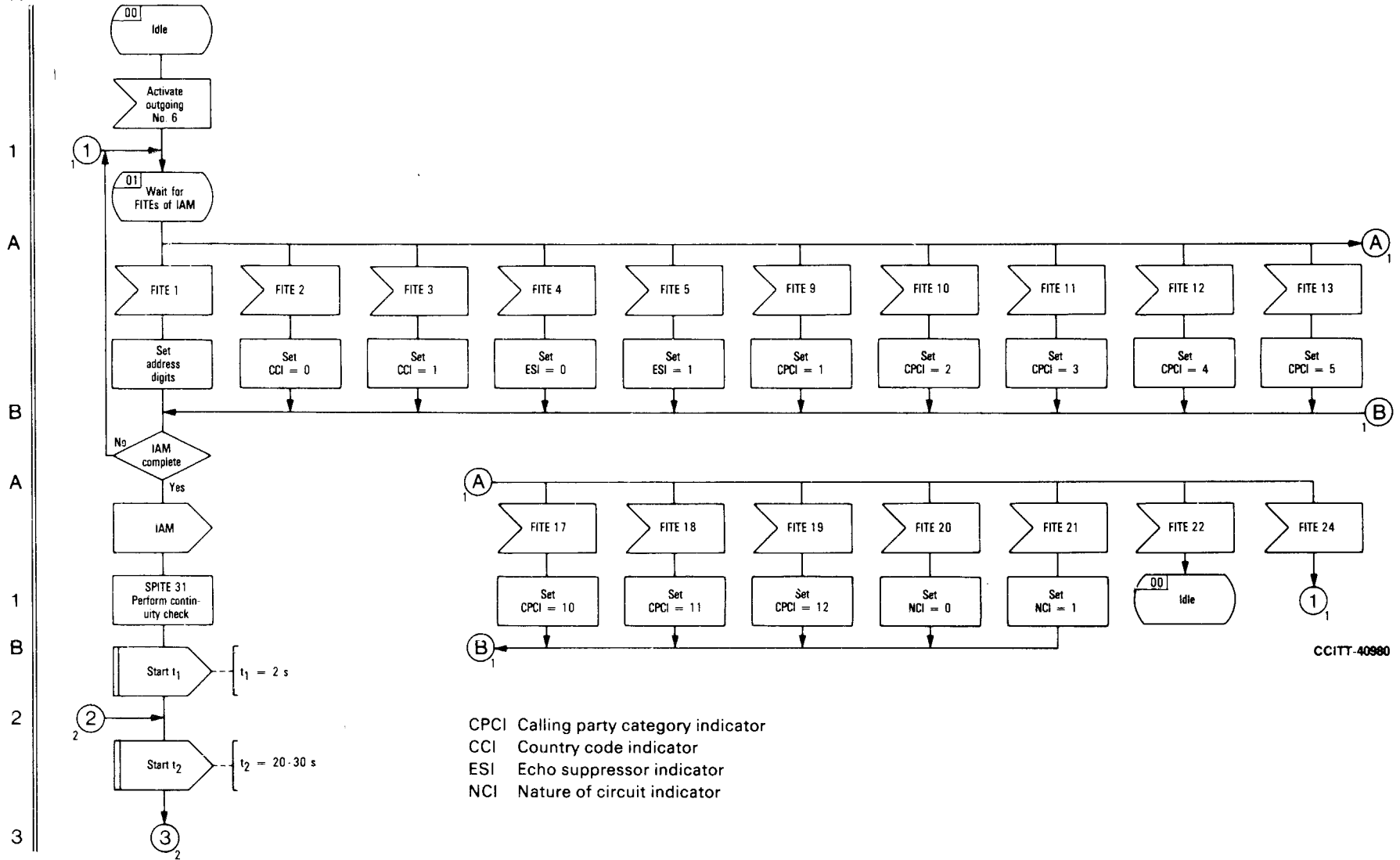
*Signal abbreviations used*

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

FIGURE 2/Q.623

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

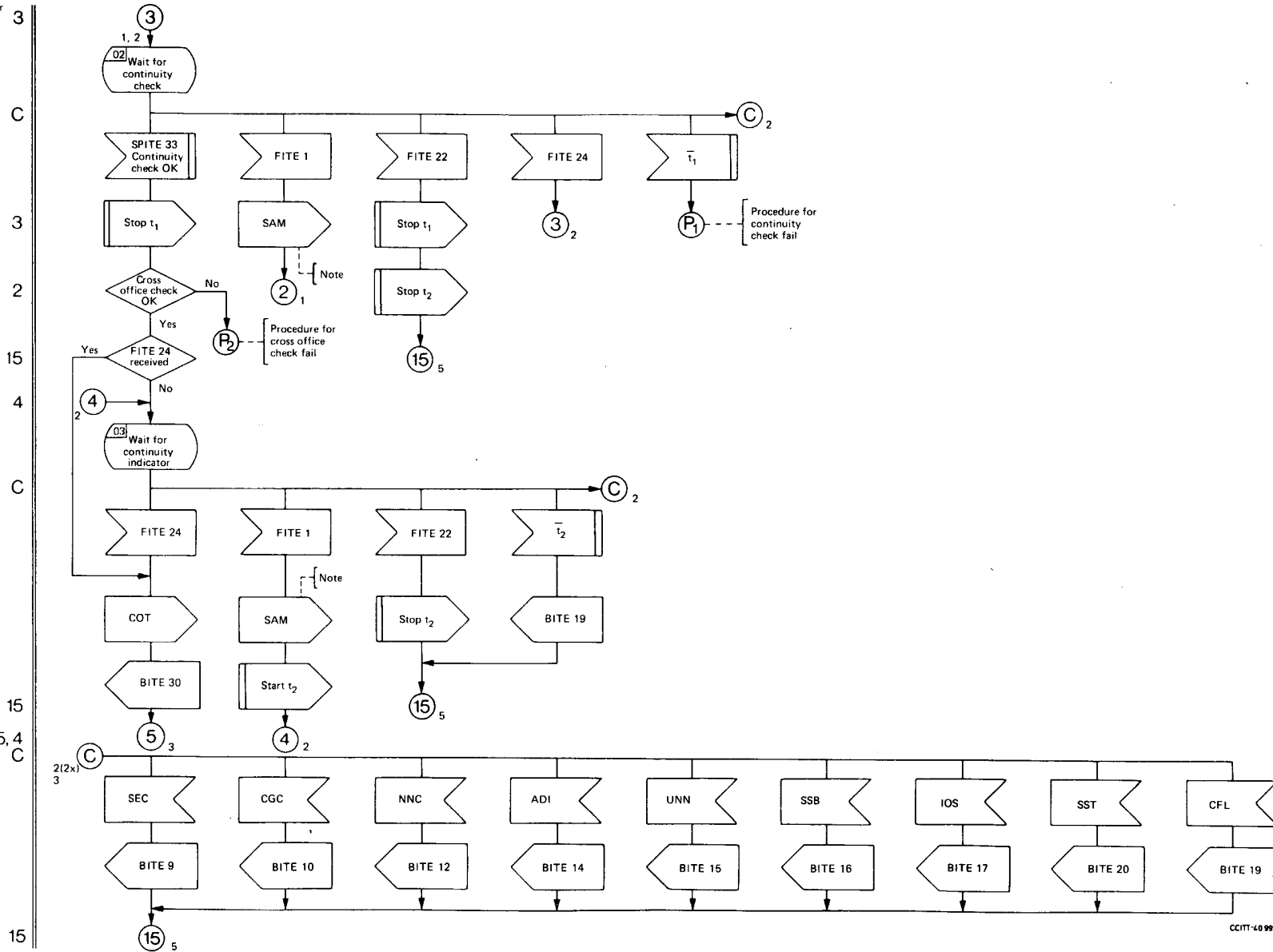
Connector reference



CPCI Calling party category indicator  
 CCI Country code indicator  
 ESI Echo suppressor indicator  
 NCI Nature of circuit indicator

FIGURE 3/Q.623 (Sheet 1 of 5)  
 Outgoing Signalling System No. 6

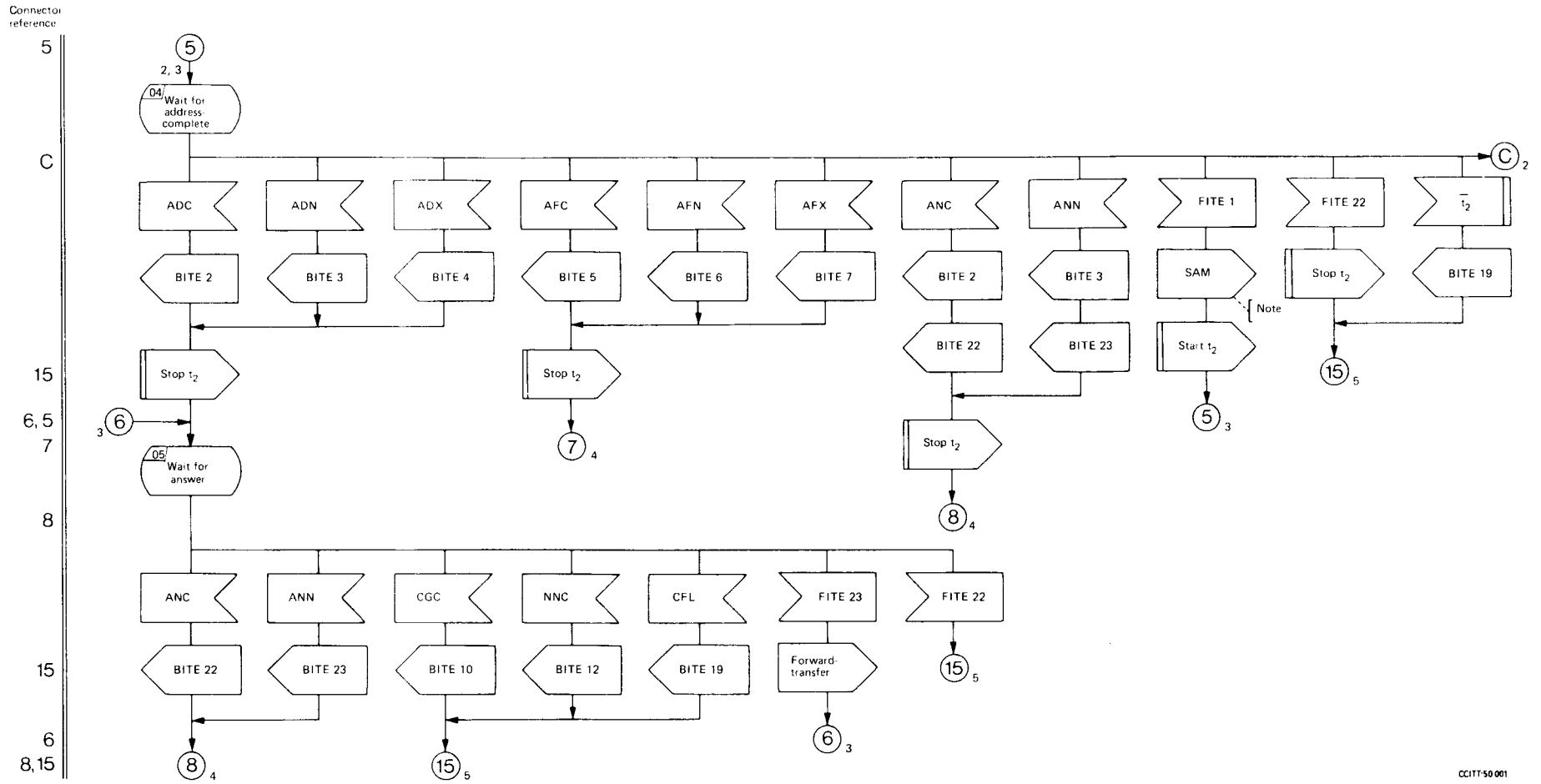
Connector reference



Note - Digits should be forwarded to the outgoing link as soon as they are available. Multi digit SAMs should only be sent if more than one address digit is waiting.

FIGURE 3/Q.623 (Sheet 2 of 5)

Outgoing Signalling System No. 6



*Note* – Digits should be forwarded to the outgoing link as soon as they are available. Multi digit SAMs should only be sent if more than one address digit in waiting.

FIGURE 3/Q.623 (Sheet 2 of 5)

Outgoing Signalling System No. 6

Connector  
reference

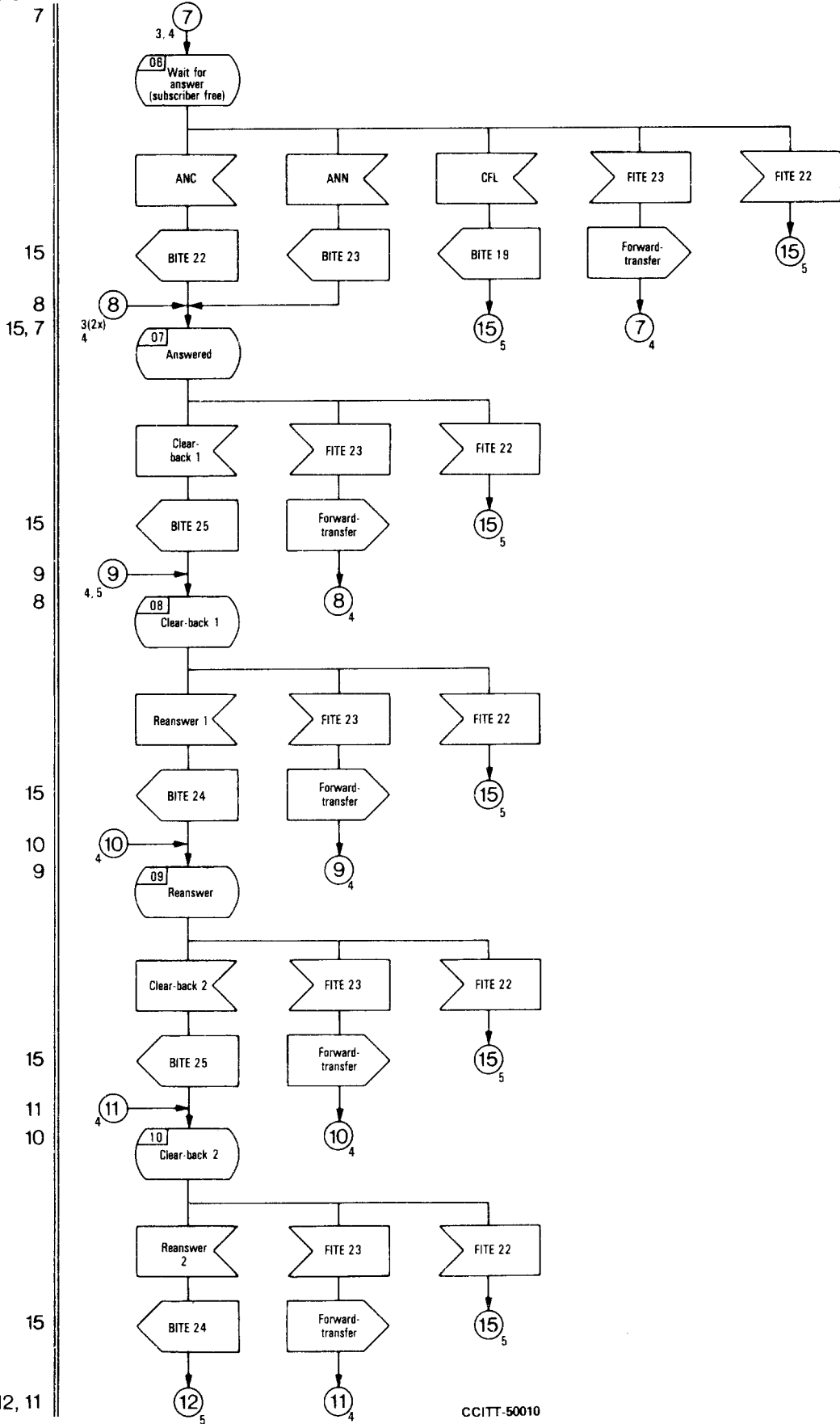
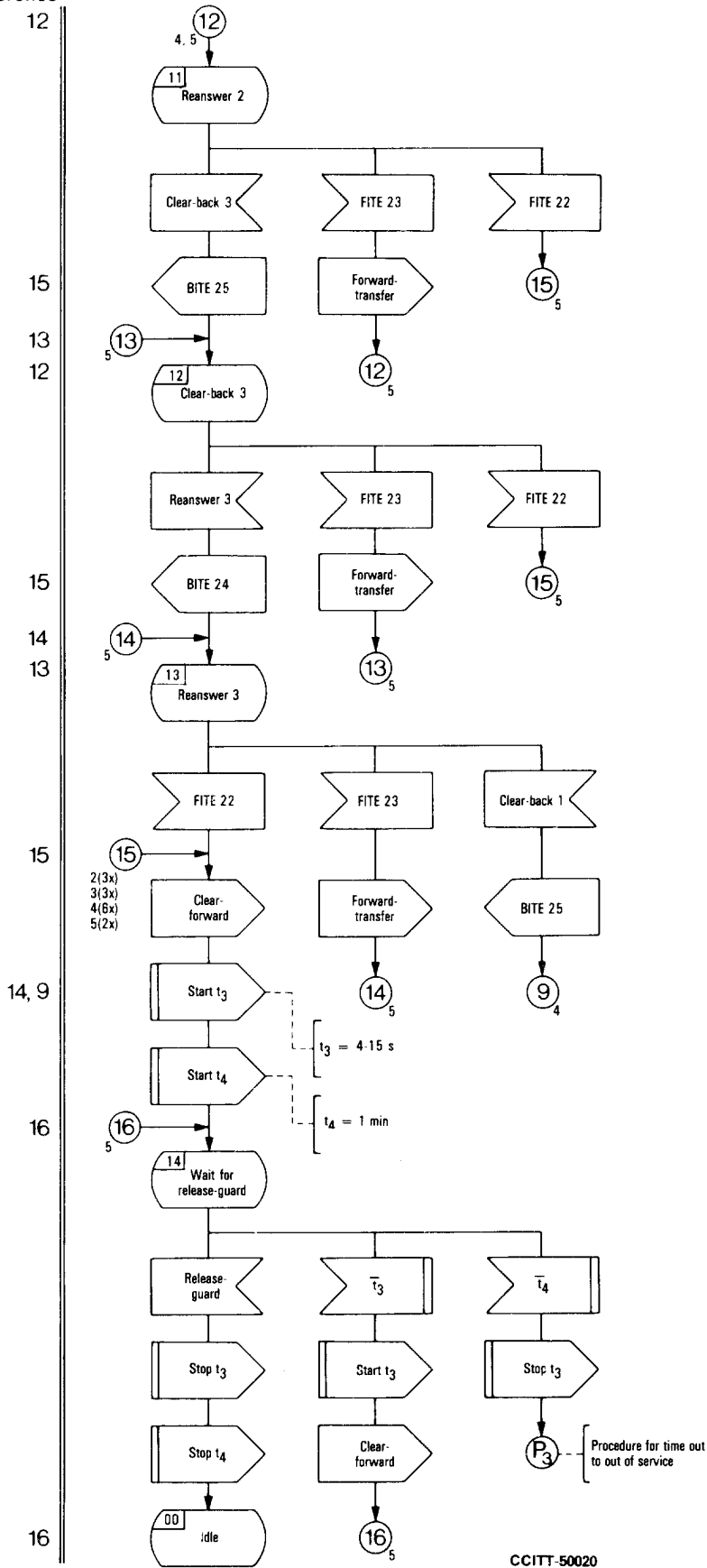


FIGURE 3/Q.623 (Sheet 4 of 5)  
Outgoing Signalling System No. 6

Connector reference



CCITT-50020

FIGURE 3/Q.623 (Sheet 5 of 5)  
Outgoing Signalling System No. 6