DIMENSION® PBX
FEATURE TEST
NIGHT SERVICE

CONTENTS

1. GENERAL INFORMATION
2. RECORDS AND REQUIREMENTS
3. TEST EQUIPMENT
4. PROCEDURE

1. GENERAL INFORMATION

1.1 Description

1.11 This section describes the procedures to be followed to test the various types of Night Service provided by the DIMENSION System.

1.2 Sequence of Operations

1.21 This test should be run after the Call Processing Test Sections.

2. RECORDS AND REQUIREMENTS

2.21 Records

2.11 Form SD-97-1313 is required for recording the results of this test.

2.2 Requirements

2.21 The tests in this section are based on the performance requirements of the CSS 201 and are detailed in the associated PR's.

3. TEST EQUIPMENT

3.1 Test Sets

Amount	ITE	Description
2	NA	Telephone Sets (500 sets if the system is all rotary dial - 2 500 sets if it is equipped for TOUCH TONE).

3.2 Adapters

Amount	Description
2	249A Adapters

4. PROCEDURE

NOTE: This procedure is divided into eight parts and these parts are as follows:

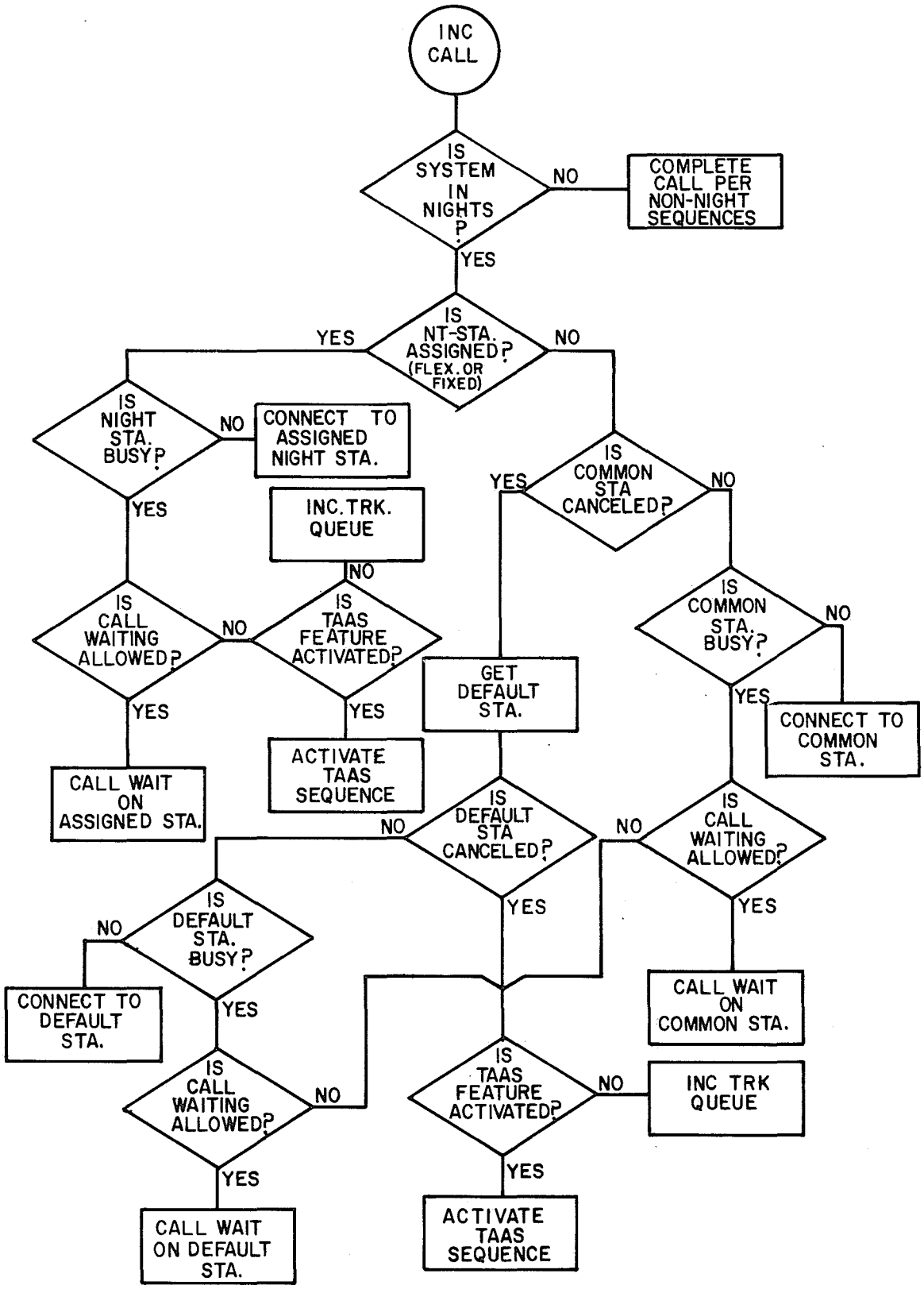
4.1-- Description and definitions of DIMENSION System Night Service.
4.2-- Testing a system with no Night Service features activated.
4.3-- Testing Trunk Answer from Any Station (TAAS) feature.
4.4-- Testing Default Station feature.
4.5-- Testing Common Night Station feature.
4.6-- Testing Fixed Night Station feature.
4.7-- Testing Flexible Night Station feature.
4.8-- Wrap-up.

4.101 The following page is a generalized flow chart of the "Night Service" operations of the DIMENSION system. A review of this chart should clear up any questions about how a particular sequence is initiated.

4.102 The following notes and statements apply to the Flow Chart and the DIMENSION System Night Service operations:

A. For the Call Waiting operation to be initiated, the following conditions must exist:

1. The system must have the Call Waiting feature activated.
2. The called station must be busy.
3. There cannot be a previous call waiting on that station (stacking Call Waiting calls is not allowed).


INC CALL
IS SYSTEM IN NIGHTS?
NO
COMPLETE CALL PER NON-NIGHT SEQUENCES
YES
IS NT-STA. ASSIGNED? (FLEX. OR FIXED)
YES
NO
IS NIGHT STA. BUSY?
NO
CONNECT TO ASSIGNED NIGHT STA.
YES
INC. TRK. QUEUE
NO
IS CALL WAITING ALLOWED?
NO
IS TAAS FEATURE ACTIVATED?
YES
YES
CALL WAIT ON ASSIGNED STA.
ACTIVATE TAAS SEQUENCE
IS COMMON STA CANCELED?
YES
NO
GET DEFAULT STA.
IS COMMON STA. BUSY?
NO
YES
CONNECT TO COMMON STA.
IS DEFAULT STA CANCELED?
NO
YES
IS CALL WAITING ALLOWED?
YES
CALL WAIT ON COMMON STA.
IS DEFAULT STA. BUSY?
NO
YES
CONNECT TO DEFAULT STA.
IS CALL WAITING ALLOWED?
NO
YES
CALL WAIT ON DEFAULT STA.
IS TAAS FEATURE ACTIVATED?
NO
INC TRK QUEUE
YES
ACTIVATE TAAS SEQUENCE

B. Audible ring tone is returned to the calling party when the call is put into the TAAS sequence.

C. Audible ring tone is returned to the calling party when the call is put into the Incoming Trunk Queue.

D. Flexible Night assignments are put on the tape by either the 23 hour maintenance run or a MAAP initiated run tape operation. (They will then be reloaded automatically after a power failure reload.)

E. Audible ring tone is returned to the cabling party when the call is put into the call waiting sequence.

F. Fixed Night connections are entered via the MAAP.

G. Fixed Night connections are entered on the tape by either the 23 hour maintenance run or a MAAP initiated run tape operation.

H. Flexible Night assignments are entered via the console.

I. The Common Night station is entered via the console.

J. The Default Night station can be entered or changed via the MAAP.

K. Both the Common Night and Default Night stations can be overridden via the console.

L. A console override of the Default Night station will be cancelled by a tape reload.

M. The Common night and the Default Night stations can be the same station number.

N. Night stations can be in hunt groups and hunting will occur.

O. The Common Night station is not put on the tape (power failure reload cancels the Common Night station assignment).

P. If both the Common Night and the Default Night are cancelled, the NIGHT key indicated on the console will be lighted steady. If they are not both cancelled, the NIGHT key indicator flashes.

Q. The most commonly encountered Night Service operation is a combination Fixed and/or Flexible and TAAS (Common Night and Default Night programming is most often removed).

R. The following table shows the MAAP procedures to be used to assign Night Service.

	201VS and S	201L
Assign Fixed Night	Proc. 10	Proc. 150
Assign Default Night	Proc. 21 Word 1	Proc. 275 Word 2
Assign TAAS Gong	Proc. 21 Word 1	Proc. 275 Word 2

S. A console override of the Common Night overrides the Default station as well.

T. If TAAS is deactivated, the Default Night will probably be provided.

U. For multiple incoming trunk calls to a Common Night (or Default Night) station, the first call would go to the station, the second call would go to Call Waiting (if provided) any additional calls would go to TAAS, if provided, or to Incoming Trunk Queue, if the TAAS feature were not provided.

V. A station call to the attendant with the console in NIGHT service will route to the Common Night station if it is loaded - to the Default Night if it is loaded and the Common Night is not.

4.103 From the Customer Order Document (a copy ships with every system) obtain the following information:

A. The Default station number and location - carrier/slot/circuit, if any, (designated NT L in the COD).

B. Attendant dial access codes for:

1. Enter Night Station
2. Enter Common Night Station
3. Clear All Night Station
4. Override Common Night Station

C. Is TAAS feature activated in this sytem?

D. The attendant ID code for trunks to be used during these tests.

E. The trunk number for trunks to be used during these tests.

F. The TAAS dial access code.

G. The TAAS equipment location (line circuit, tip and ring to which the TAAS Gong is assigned - carrier/slot/circuit).

H. Is the Call Waiting feature activated in this sytem?

I. Fixed Night assignments.

4.104 If any stations used in this test section are in hunt groups, use Proc. 70 (S and VS) to busy out all their hunt to stations.

4.105 The information obtained in Paragraph 4.103 will indicate what paragraphs of this section need to be run.

4.106 This section is written assuming that only one CO pair will be available for testing. If more pairs are available, then obviously more than one test can be run simultaneously (Ex.: Trunk A to TAAS, Trunk B to Fixed Night, Trunk C to Flexible Night).

4.2 No Night Service Features Activated

4.201 This test should be run only if TAAS is deactivated and no Fixed or Flexible Night assignments have been made.

4.202 At the console, operate a LOOP key.

4.203 Operate the START key - dial tone heard.

4.204 On the console TOUCH TONE Pad, key in the override common night station code - confirmation tone heard.

4.205 Operate the RELEASE key.

4.206 Operate the NIGHT key - NIGHT key indicator should be lighted steady.

4.207 Generate an incoming trunk call. The call is put into the Incoming Trunk Queue with audible ring tone being returned to the calling party. No connection is made. The calling party will continue to receive audible ring until they hang up.

4.208 Terminate the test call.

4.209 At the Alarm Panel, with the Thumbwheel Switch in Position 9, operate the ENABLE Switch reloading the system.

4.3 Trunk Answer From Any Station (TAAS)

4.301 This test should be run if TAAS is activated in the system.

4.302 At the console, operate a LOOP key.

4.303 Operate the START key - dial tone is heard.

4.304 On the console TOUCH TONE Pad, key in the clear all night station code - confirmation tone heard.

4.305 Operate the RELEASE key.

4.306 Operate a LOOP key.

4.307 Operate the START key - dial tone heard.

4.308 On the TOUCH TONE Pad, key in the override common night station code - confirmation tone heard.

4.309 Operate the RELEASE key.

4.310 If the system is not in night, operate the NIGHT key - NIGHT key indicator should be lighted steady.

4.311 If the TAAS Gong equipment is not yet connected, using a 249A Adapter, connect a station set to the tip and ring pair of the LC02 circuit assigned to TAAS.

NOTE: This set should not be taken off-hook - only its bell is being used as a TAAS Gong.

4.312 Using a 249A Adapter, connect a test station to another LC02 circuit selecting one that is not Originate Restricted or Manual class of service.

4.313 Generate an incoming trunk call - either the TAAS Gong or the station set connected in Step 4.311 should sound.

4.314 At the station connected in Step 4.312, go off-hook and dial the TAAS access code.

4.315 The incoming trunk call should be answered. Verify transmission then terminate the call.

4.316 Disconnect the two tel sets.

4.317 With the Alarm Panel Thumbwheel Switch in Position 9, operate the ENABLE switch reloading the system.

4.4 Default Night Station

4.401 This test should be performed only if the system is programmed with a Default Night Station.

4.402 No Common Night Station should have been assigned (via the console) since the last tape load.

4.403 The trunk used for test should have no Fixed or Flexible Night Station assignment.

4.404 Using a 249A Adapter, connect a tel set to the T & R of the LC02 circuit assigned as the Default Station.

4.405 If the console is not in NIGHT, operate the NIGHT key (NIGHT key indicator should be flashing).

4.406 Generate an incoming trunk call.

4.407 The call should route to the Default Station which should ring. Answer the call and verify transmission.

4.408 Terminate the call.

NOTE: The same trunk will be used in the Common Night Station test.

4.5 Common Night Station

4.501 If Paragraph 4.4 was required, this paragraph is also required.

4.502 At the console, operate a LOOP key.

4.503 Operate the START key - dial tone heard.

4.504 On the TOUCH TONE Pad, key in the enter common night station code.

4.505 Key in the Common Night Station number selected for this test (for this test select some number other than that assigned as Default Station) - confirmation tone heard.

4.506 Operate the RELEASE key.

4.507 If the NIGHT key indicator is not flashing, operate the NIGHT key.

4.508 Move the station set connected in Step 4.404 to the line circuit assigned in Step 4.505.

4.509 Generate an incoming trunk call.

4.510 The incoming call should route to the Common Night Station which should ring. Answer the call verifying transmission.

4.511 Terminate the call.

4.512 If Paragraphs 4.6 and/or 4.7 are not required, reload the program tape using the ENABLE switch on the Alarm Panel (Thumbwheel Switch in Position 9).

4.6 Fixed Night Station

4.601 This paragraph is always required unless the customer has specified no night service or Common Night Station service only.

4.602 Plug in the MAAP and page PROC 10 (S or VS) or 150(L).

4.603 Key in the location of the trunk to be used for this test and display its assigned data.

4.604 If the selected trunk has an assigned night station, using the 249A Adapter, connect a station set to its tip and ring. If the selected trunk has no night station assigned enter the station number you select for this test and connect the station set to this pair. Verify that the system is in NIGHT service.

4.605 Generate an incoming trunk call on the selected trunk.

4.606 The programmed station will ring. Answer the call verifying transmission. Terminate the call.

4.607 If the same trunk is going to be used for the next paragraph, with the MAAP, remove the fixed night station assignment.

4.7 Flexible Night Station

4.701 This paragraph is always required unless the customer has specified no night service or Common Night Station service only.

4.702 Using the MAAP, verify that the trunk to be used for this test does not have a Fixed Night Station assigned.

4.703 At the console, operate a LOOP key.

4.704 Operate the START key - dial tone heard.

4.705 On the TOUCH TONE Pad key in the "Enter Night Station" code - dial tone broken then reapplied.

4.706 Key in the selected test station number - dial tone broken then reapplied.

4.707 Key in the trunk ID code, then key in the selected trunk number - confirmation tone heard.

4.708 Operate the RELEASE key.

4.709 Using the 249A Adapter, connect a set to the selected station circuit tip and ring. Verify that the system is in NIGHT service.

4.710 Generate an incoming trunk call on the test trunk. It should route to the test station. Answer the call verifying transmission then terminate the call.

4.8 On the control cabinet power supply, turn the incoming AC circuit breaker off. Keep this breaker off for at least 5 seconds, then turn it back on (power failure reload of the program).

4.801 Disconnect the MAAP and all other test connection.

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