## **TUP LEVEL 4 TEST SPECIFICATION** TEST NUMBER: REFERENCE: TITLE: SUBTITLE: PURPOSE: PRE-TEST CONDITIONS: congestion signal is returned to the call request **CONFIGURATION:** TYPE OF TEST: TYPE OF SP: EXPECTED MESSAGE SEQUENCE: SP SP

| <<br>IAM | <br> |   |
|----------|------|---|
| CGC      |      |   |
|          | <br> | > |
|          |      |   |
|          |      |   |
| <        | <br> |   |
| CLF      |      |   |
| RLG      |      |   |

TEST DESCRIPTION

Attempt to make a call from SP B to SP A. Record the message sequence using a signal monitor.

| 2. CHECK A: IS THE APPROPRIATE TONE OF CALLING PARTY?                                     |   |
|---|---|
| 3. CHECK B:   |   |
| 4. CHECK C:   |   |
|   |   |
|   |   |
| Note $1$ – An address complete signal (without sub direction before a CGC signal is sent. | scriber free) may be sent in the backward |

*Note 2* – It may not be possible to confirm that the appropriate tone is returned to the calling party. In this case it must be verified that the signalling point under test retransmits the signal

received.

| TUP LEVEL 4 TEST SPECIFICATION  |
|---|
| TEST NUMBER:  |
| REFERENCE:  |
| TITLE:  |
| SUBTITLE:   |
| PURPOSE: To verify that the call will be immediately released by the outgoing signalling point if a national network congestion signal is received and the correct indication is given to the calling party |
| PRE–TEST CONDITIONS: signal is returned to the call request   |
| CONFIGURATION:  |
| TYPE OF TEST:   |
| TYPE OF SP:   |
| EXPECTED MESSAGE SEQUENCE:  |

424

| SP       |
|----------|
| SP       |
| IAM<br>> |
|          |
| <<br>NNC |
| CLF>     |
|          |
| <<br>RLG |
| IVLU     |

Attempt to make a call from SP A to SP B. Record the message sequence using a signal monitor.

2.

CHECK A: IS THE APPROPRIATE TONE OR ANNOUNCEMENT RETURNED TO THE CALLING PARTY? . . . . .

3.

CHECK B:

4.

CHECK C:

*Note* 1 – An address complete signal (without subscriber free) may be sent in the backward direction before a NNC signal is sent.

*Note 2* – It may not be possible to confirm that the appropriate tone is returned to the calling party. In this case it must be verified that the signalling point under test retransmits the signal received.

| TUP LEVEL 4 TEST | Γ SPECIFICATION   |
|------------------|---|
| TEST NUMBER:     |   |
|                  |   |
| REFERENCE:       |   |
|                  |   |
| TITLE:           |   |
|                  |   |
| SUBTITLE:        |   |
|                  |   |
| PURPOSE:         |   |
|                  |   |
| PRE-TEST CONDIT  | TONS: congestion signal is returned to the call request, where SP A is now an I/C |
|                  | exchange  |
|                  |   |
| CONFIGURATION:   |   |
| TYPE OF TEST:    |   |

| TYPE OF SP:                |
|----------------------------|
| EXPECTED MESSAGE SEQUENCE: |
| SP                         |
| SP                         |
|                            |
| <iam< td=""></iam<>        |
| NNC>                       |
|                            |
| <<br>CLF                   |
| DI C                       |

| TEST DESCRIPTION  |
|---|
|   |
|   |
| 1.  |
| Attempt to make a call from SP B to SP A.                                       |
|   |
| 2.  |
| CHECK A: IS THE APPROPRIATE TONE OR ANNOUNCEMENT RETURNED TO THE CALLING PARTY? |
| 3.  |
| CHECK B:  |
|   |
| 4.  |
| CHECK C:  |
|   |

 $\it Note~1-An$  address complete signal (without subscriber free) may be sent in the backward direction before a NNC signal is sent.

| <i>Note 2</i> – It may not be possible to confirm that the appropriate tone is returned to the calling party. In this case it must be verified that the signalling point under test retransmits the signal received. |
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| TUP LEVEL 4 TEST SPECIFICATION   |
| TEST NUMBER:   |
| REFERENCE:   |
| TITLE:   |
| SUBTITLE:  |
| PURPOSE: To verify that on receipt of an address incomplete message the call is immediately released and the correct indication given to the calling party   |
| PRE-TEST CONDITIONS:  number of digits has not been received   |

| CONFIGURATION:             |
|----------------------------|
| TYPE OF TEST:              |
| TYPE OF SP:                |
|                            |
| EXPECTED MESSAGE SEQUENCE: |
|                            |
| SP                         |
|                            |
| SP                         |
|                            |
| IAM<br>>                   |
|                            |
|                            |
| <adi< td=""></adi<>        |
| CLF                        |
| >                          |
|                            |
| <                          |
| RLG                        |

| TEST DESCRIPTION  |
|---|
|   |
|   |
| 1.  |
| Make a call from SP A to SP B, but do not enter the final digit.  Record the message sequence using a signal monitor. |
| 2.  |
| CHECK A:WAS THE CORRECT TONE OR ANNOUNCEMENT SENT TO THE CALLING SUBSCRIBER?  |
| 3.  |
| CHECK B:  |
| 4.  |
| CHECK C:  |

*Note* – It may not be possible to confirm that the appropriate tone is returned to the calling party.

| In this case it must be verified that the signalling point under test retransmits the signal received. |
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| TUP LEVEL 4 TEST SPECIFICATION   |
| TEST NUMBER:   |
|  |
| REFERENCE:   |
| TITLE:   |
|  |
| SUBTITLE:  |
|  |
| PURPOSE:   |
| PRE-TEST CONDITIONS:   |
| has not been received  |

| CONFIGURATION:             |
|----------------------------|
| TYPE OF TEST:              |
| TYPE OF SP:                |
|                            |
| EXPECTED MESSAGE SEQUENCE: |
|                            |
| SP                         |
|                            |
| SP                         |
|                            |
| <                          |
| IAM                        |
| ADI                        |
| >                          |
|                            |
| <                          |
| DLF                        |
| RLG                        |

| TEST | $\Gamma$ | TC | CD  | דתו | $\Gamma T$ | $\cap$ | ١, |
|------|----------|----|-----|-----|------------|--------|----|
| 1 5  | <i>.</i> | T7 | ιĸΚ | ואו | - 11       |        | V  |

Make a call from SP B to SP A, but do not enter the final digit. Record the message sequence using a signal monitor.

2.

CHECK A: WAS THE CORRECT TONE OR ANNOUNCEMENT SENT TO THE CALLING SUBSCRIBER? . . . . . .

3.

CHECK B:

4.

CHECK C:

| <i>Note</i> — It may not be possible to confirm that the appropriate tone is returned to the calling party. In this case it must be verified that the signalling point under test retransmits the signal received. |
|--|
| TUP LEVEL 4 TEST SPECIFICATION   |
| TEST NUMBER:   |
| REFERENCE:   |
| TITLE:   |
| SUBTITLE:  |
| PURPOSE: To verify that the call will be immediately released by the outgoing signalling point if a call failure signal is received and the correct indication is given to the calling party                       |

| PRE-TEST CONDITIONS:  is returned to the call request |
|---|
| CONFIGURATION:  |
| TYPE OF TEST:   |
| TYPE OF SP:   |
|   |
| EXPECTED MESSAGE SEQUENCE:                            |
|   |
| SP  |
|   |
| SP  |
| IAM   |
| >   |
|   |
| <   |
| CFL   |
| CLF>  |
|   |
|   |
| <<br>RLG  |



Attempt to make a call from SP A to SP B. Record the message sequence using a signal monitor.

2.

CHECK A: IS THE APPROPRIATE TONE OR ANNOUNCEMENT RETURNED TO THE CALLING PARTY? . . . . . .

3.

CHECK B:

*Note* 1 – An address complete signal may be sent in the backward direction before a CFL signal is sent.

*Note* 2 – It may not be possible to confirm that the appropriate tone is returned to the calling party. In this case it must be verified that the signalling point under test retransmits the signal received.

## **TUP LEVEL 4 TEST SPECIFICATION**

TEST NUMBER:

| REFERENCE:                            |
|---------------------------------------|
| TITLE:                                |
| SUBTITLE:                             |
| PURPOSE:                              |
| PRE—TEST CONDITIONS: the call request |
| CONFIGURATION:                        |
| TYPE OF TEST:                         |
| TYPE OF SP:                           |
| EXPECTED MESSAGE SEQUENCE:            |
| SP                                    |
| SP                                    |
|                                       |
| <iam< td=""></iam<>                   |

CFL

440

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|     | > |
|-----|---|
|     |   |
|     |   |
|     |   |
|     |   |
| <   | - |
| CLF |   |
|     |   |
| RLG |   |

TEST DESCRIPTION

1.

Attempt to make a call from SP B to SP A.

| D 1       | . 1 |         |     |         | •     |   |        | monitor. |
|-----------|-----|---------|-----|---------|-------|---|--------|----------|
| RACORDI   | tha | maccada | COC | HILDROD | บเกาส | 2 | ดเสทอโ | monitor  |
| IXCCOIU I | uic | message | SCU | iuciice | using | а | Signal | momion.  |
|           |     |         |     |         |       |   |        |          |

2. CHECK A: IS THE APPROPRIATE TONE OR ANNOUNCEMENT RETURNED TO THE CALLING PARTY? . . . . . 3. CHECK B: 4. CHECK C: *Note 1* – An address complete signal may be sent in the backward direction before a CFL signal is sent. Note 2 – It may not be possible to confirm that the appropriate tone is returned to the calling party. In this case it must be verified that the signalling point under test retransmits the signal received.

| TUP LEVEL 4 TEST SPECIFICATION   |
|--|
| TEST NUMBER:   |
| REFERENCE:   |
| TITLE:   |
| SUBTITLE:  |
| PURPOSE: To verify that the call will be immediately released by SP A if a Subscriber–busy signal is received and the correct indication is given to the calling party |
| PRE-TEST CONDITIONS:   |
| CONFIGURATION:   |
| TYPE OF TEST:  |
| TYPE OF SP:  |
| EXPECTED MESSAGE SEQUENCE:   |

SP

SP

IAM

-----SSB

CLF
------>
RLG

TEST DESCRIPTION

Attempt to make a call from SP A to SP B. Record the message sequence with a signal monitor.

|   | 2.  |
|---|---|
| CHECK A: IS THE APPROPRIATE TONE CALLING PARTY? | OR ANNOUNCEMENT RETURNED TO THE   |
|   | 3.  |
| CHECK B:  |   |
|   | 4.  |
| CHECK C:  |   |
|   | hat the appropriate tone is returned to the calling<br>e signalling point under test retransmits the signal |

*Note 2* – This sequence may not be possible at International Gateways.

| TUP LEVEL 4 TEST SPECIFICATION |
|--------------------------------|
| TEST NUMBER:                   |
| REFERENCE:                     |
| TITLE:                         |
| SUBTITLE:                      |
| PURPOSE: signal                |
| PRE-TEST CONDITIONS:           |
| CONFIGURATION:                 |
| TYPE OF TEST:                  |
| TYPE OF SP:                    |
| EXPECTED MESSAGE SEQUENCE:     |

| SP       |       |   |
|----------|-------|---|
| SP       |       |   |
|          |       |   |
| <<br>IAM | <br>  | • |
| SSB<br>  | <br>> | > |
|          |       |   |
| <<br>CLF | <br>  |   |
| RLG      |       |   |

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TEST DESCRIPTION

Attempt to make a call from SP B to SP A. Record the message sequence using a signal monitor.

|             |         |                      |            | 2.     |               |          |               |       |        |
|-------------|---------|----------------------|------------|--------|---------------|----------|---------------|-------|--------|
| CHECK A:    |         | APPROPRI<br>G PARTY? |            |        | ANNOUNC       | EMENT    | RETURNE       | D TO  | THE    |
| CHECK B:    |         |                      |            | 3.     |               |          |               |       |        |
|             |         |                      |            | 4.     |               |          |               |       |        |
| CHECK C:    |         |                      |            |        |               |          |               |       |        |
|             |         |                      |            |        |               |          |               |       |        |
|             |         |                      |            |        |               |          |               |       |        |
| Note 1 – It | may not | be possible          | to confirm | that t | he appropriat | e tone i | s returned to | the c | alling |

party. In this case it must be verified that the signalling point under test retransmits the signal

*Note 2* – This sequence may not be possible at International Gateways.

received.

| TUP LEVEL 4 TEST SPECIFICATION   |
|--|
| TEST NUMBER:   |
| REFERENCE:   |
| TITLE:   |
| SUBTITLE:  |
| PURPOSE: To verify that the call will be immediately released by SP A if an Unallocated–number signal is received and the correct indication is given to the calling party |
| PRE—TEST CONDITIONS: returned to the call request  |
| CONFIGURATION:   |
| TYPE OF TEST:  |
| TYPE OF SP:  |
| EXPECTED MESSAGE SEQUENCE:   |

| SP       |      |       |
|----------|------|-------|
| SP       |      |       |
| IAM<br>  | <br> | <br>> |
|          |      |       |
| <<br>UNN | <br> | <br>  |
| CLF      | <br> | <br>> |
|          |      |       |
| <        | <br> | <br>  |

RLG

Attempt to make a call from SP A to SP B. Record the message sequence with a signal monitor.

2.

CHECK A: IS THE APPROPRIATE TONE OR ANNOUNCEMENT RETURNED TO THE CALLING PARTY?.....

3.

CHECK B:

4.

CHECK C:

Note 1 – It may not be possible to confirm that the appropriate tone is returned to the calling party. In this case it must be verified that the signalling point under test retransmits the signal received.

*Note 2* – This sequence may not be possible at International Gateways.

## **TUP LEVEL 4 TEST SPECIFICATION** TEST NUMBER: REFERENCE: TITLE: SUBTITLE: PURPOSE: PRE-TEST CONDITIONS: returned to the call request **CONFIGURATION:** TYPE OF TEST: TYPE OF SP:

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| EXPECTED MESSAGE SEQUENCE: |
|----------------------------|
| SP                         |
| SP                         |
|                            |
| <iam< td=""></iam<>        |
| UNN<br>>                   |
|                            |
| <<br>CLF                   |
| RLG<br>>                   |

Attempt to make a call from SP B to SP A. Record the message sequence using a signal monitor.

2.

CHECK A: IS THE APPROPRIATE TONE OR ANNOUNCEMENT RETURNED TO THE CALLING PARTY?.....

3.

CHECK B:

4.

CHECK C:

454

Note 1 – It may not be possible to confirm that the appropriate tone is returned to the calling party. In this case it must be verified that the signalling point under test retransmits the signal received.

*Note 2* – This sequence may not be possible at International Gateways.

| TUP LEVEL 4 TEST SPECIFICATION  |
|---|
| TEST NUMBER:  |
| REFERENCE:  |
|   |
| TITLE:  |
| SUBTITLE:   |
| PURPOSE: Verify that the call will be immediately released by SP A if a Line out of service signal is received and the correct indication is given to the calling party |
| PRE–TEST CONDITIONS:<br>returned to the call request  |
|   |

| CONFIGURATION:             |
|----------------------------|
| TYPE OF TEST:              |
| TYPE OF SP:                |
|                            |
| EXPECTED MESSAGE SEQUENCE: |
|                            |
| SP                         |
|                            |
| SP                         |
|                            |
| IAM<br>>                   |
|                            |
|                            |
| <<br>LOS                   |
|                            |
| CLF<br>>                   |
|                            |
|                            |
| <                          |

RLG

1.

Attempt to make a call from SP A to SP B. Record the message sequence with a signal monitor.

2.

CHECK A: IS THE APPROPRIATE TONE OR ANNOUNCEMENT RETURNED TO THE CALLING PARTY? . . . . .

3.

CHECK B:

4.

CHECK C:

*Note* – It may not be possible to confirm that the appropriate tone is returned to the calling party. In this case it must be verified that the signalling point under test retransmits the signal received.

| TUP LEVEL 4 TEST SPECIFICATION                    |
|---|
| TEST NUMBER:                                      |
| REFERENCE:  |
| TITLE:  |
| SUBTITLE:   |
| PURPOSE:  |
| PRE–TEST CONDITIONS: returned to the call request |
| CONFIGURATION:                                    |
| TYPE OF TEST:                                     |
| TYPE OF SP:                                       |
|   |

| EXPECTED MESSAGE SEQUENCE: |
|----------------------------|
| SP                         |
| SP                         |
|                            |
| <iam< td=""></iam<>        |
| LOS<br>>                   |
|                            |
| <<br>CLF                   |
| RLG<br>>                   |
| /                          |

1.

Attempt to make a call from SP B to SP A. Record the message sequence using a signal monitor.

2.

CHECK A: IS THE APPROPRIATE TONE OR ANNOUNCEMENT RETURNED TO THE CALLING PARTY?.....

3.

CHECK B:

4.

CHECK C:

460

*Note* 1 – It may not be possible to confirm that the appropriate tone is returned to the calling party. In this case it must be verified that the signalling point under test retransmits the signal received.

*Note 2* – This sequence may not be possible at International Gateways.

| TUP LEVEL 4 TEST SPECIFICATION  |
|---|
| TEST NUMBER:  |
| REFERENCE:  |
| TITLE:  |
| SUBTITLE:   |
| PURPOSE: To verify that a call will be immediately released by the outgoing signalling point if a send–special–information–tone signal is received and the correct indication is given to the calling party |
| PRE-TEST CONDITIONS: returned to the call request   |
| CONFIGURATION:  |
| TYPE OF TEST:   |
| TYPE OF SP:   |

| EXPECTED MESSAGE SEQUENCE: |
|----------------------------|
| SP                         |
| SP                         |
| IAM<br>>                   |
|                            |
| <<br>SST                   |
| CLF>                       |
| <<br>RLG                   |

1.

Attempt to make a call from SP A to SP B
Record the message sequence with a signal monitor.

2.

CHECK A:

3. CHECK B:

4. CHECK C:

*Note* – It may not be possible to confirm that the appropriate tone is returned to the calling party. In this case it must be verified that the signalling point under test retransmits the signal received.

# **TUP LEVEL 4 TEST SPECIFICATION** TEST NUMBER: REFERENCE: TITLE: SUBTITLE: PURPOSE: signal PRE-TEST CONDITIONS: returned to the call request **CONFIGURATION:** TYPE OF TEST: TYPE OF SP: EXPECTED MESSAGE SEQUENCE:

| SP       |      |       |
|----------|------|-------|
| SP       |      |       |
| _        |      |       |
| <<br>IAM | <br> | <br>  |
| SST      |      |       |
|          | <br> | <br>/ |
| _        |      |       |
| <<br>CLF | <br> | <br>  |
| RLG      |      |       |

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1.

Attempt to make a call from SP B to SP A Record the message sequence with a signal monitor.

| CHECK A: | 2. |
|----------|----|
| СНЕСК В: | 3. |
| CHECK C: | 4. |
|          |    |

Note — It may not be possible to confirm that the appropriate tone is returned to the calling party. In this case it must be verified that the signalling point under test retransmits the signal received.

| TUP LEVEL 4 TEST SPECIFICATION  |
|---|
| TEST NUMBER:  |
| REFERENCE:  |
| TITLE:  |
| SUBTITLE:   |
| PURPOSE: To verify that because of incompatible CUG information the call is rejected and a access barred signal is returned to the call request |
| PRE–TEST CONDITIONS:  contained in the IAI is compatible with the information stored at SP B  |
| CONFIGURATION:  |
| TYPE OF TEST:   |
| TYPE OF SP:   |
| EXPECTED MESSAGE SEQUENCE:  |
| SP  |

| SP       |      |       |
|----------|------|-------|
| IAI<br>  | <br> | <br>> |
|          |      |       |
| <<br>ACB | <br> | <br>  |
| CLF      | <br> | <br>> |
|          |      |       |

RLG

TEST DESCRIPTION

### Make a CUG call from SP A to SP B. Record the message sequence using a signal monitor.

|          |                               | 2. |              |          |    |     |
|----------|-------------------------------|----|--------------|----------|----|-----|
|          | THE APPROPRI<br>ALLING PARTY? | OR | ANNOUNCEMENT | RETURNED | ТО | THE |
| СНЕСК В: |                               | 3. |              |          |    |     |
| CHECK C: |                               | 4. |              |          |    |     |
|          |                               |    |              |          |    |     |
|          |                               |    |              |          |    |     |
|          |                               |    |              |          |    |     |

*Note* – It may not be possible to confirm that the appropriate tone is returned to the calling party. In this case it must be verified that the signalling point under test retransmits the signal received.

# **TUP LEVEL 4 TEST SPECIFICATION** TEST NUMBER: REFERENCE: TITLE: SUBTITLE: PURPOSE: PRE-TEST CONDITIONS: CONFIGURATION: TYPE OF TEST: TYPE OF SP: EXPECTED MESSAGE SEQUENCE: SP SP

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| <<br>AI  | - |
|----------|---|
| ACB      |   |
|          | > |
|          |   |
|          |   |
| <<br>CLF | - |
| RLG      |   |

1.

Make a CUG call from SP B to SP A. Record the message sequence using a signal monitor.

2.

| CHECK A: IS THE APPROPRIATE | TONE ( | ЭR | ANNOUNCEMENT | RETURNED | TO | THE |
|-----------------------------|--------|----|--------------|----------|----|-----|
| CALLING PARTY?              |        |    |              |          |    |     |

3.

CHECK B:

4.

CHECK C:

*Note* – It may not be possible to confirm that the appropriate tone is returned to the calling party. In this case it must be verified that the signalling point under test retransmits the signal received.

| TUP LEVEL 4 TEST SPECIFICATION  |
|---|
| TEST NUMBER:  |
| REFERENCE:  |
| TITLE:  |
| SUBTITLE:   |
| PURPOSE: To verify that the call will be immediately released by the SP A if a digital path not provided signal is received and the correct indicator is given to the calling party |
| PRE-TEST CONDITIONS:  |
| a) Ensure the IAM is set to indicate that an all digital path is required.  |
| b) Ensure the data in signalling point B is configured such that a digital path not provided signal is returned to the call request.  |
| CONFIGURATION:  |
| TYPE OF TEST:   |
| TYPE OF SP:   |
| EXPECTED MESSAGE SEQUENCE:  |

| SP      |      |       |
|---------|------|-------|
| SP      |      |       |
| IAM<br> | <br> | <br>> |
|         |      |       |
| <       | <br> | <br>  |
| DPN     |      |       |
| CLF     |      |       |
|         | <br> | <br>> |
|         |      |       |
|         |      |       |
| <       | <br> | <br>  |

RLG

1.

Attempt to make a call from SP A to SP B.
Ensuring that the IAM is set to indicate that an all digital path is required. Record the message sequence using a signal monitor.

2.
CHECK A:

3.
CHECK B:

#### **TUP LEVEL 4 TEST SPECIFICATION**

TEST NUMBER:

| REFERENCE:  |
|---|
| TITLE:  |
| SUBTITLE:   |
| PURPOSE:  |
| PRE-TEST CONDITIONS: returned to the call request |
| CONFIGURATION:                                    |
| TYPE OF TEST:                                     |
| TYPE OF SP:                                       |
| EXPECTED MESSAGE SEQUENCE:                        |
| SP  |
| SP  |
| <iam< td=""></iam<>                               |

DPN

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|     |  |  |
| <   |  |  |
| CLF |  |  |
| RLG |  |  |
| >   |  |  |
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|     |  |  |
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|     |  |  |
|     |  |  |
|     |  |  |
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|     |  |  |
|     |  |  |

1.

Attempt to make a call from SP B to SP A. Record the message sequence with a signal monitor.

2.

CHECK B:

| 3.   |
|--|
| CHECK C:   |
|  |
|  |
|  |
|  |
|  |
| <i>Note</i> – It may not be possible to confirm that the appropriate tone is returned to the calling party |
| In this case it must be verified that the signalling point under test retransmits the signal received.     |
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| TUP LEVEL 4 TEST SPECIFICATION   |
| TEST NUMBER:   |
|  |
| REFERENCE:   |
|  |
|  |

| TITLE:   |
|--|
| SUBTITLE:  |
| PURPOSE: To verify that if the signalling point is unable to return a circuit to the idle condition in response to a clear forward signal, the circuit will be blocked |
| PRE-TEST CONDITIONS: the circuit to the idle condition in response to a clear forward signal   |
| CONFIGURATION:   |
| TYPE OF TEST:  |
| TYPE OF SP:  |
| EXPECTED MESSAGE SEQUENCE:   |
| SP   |
| SP   |
| <  |
| IAM  |
| ACM  |

| Ringing tone        |
|---------------------|
|                     |
| ANC                 |
| >                   |
| Speech              |
| Speech              |
| <                   |
| CLF                 |
| BLO                 |
| >                   |
|                     |
| <bla< td=""></bla<> |
| RLG<br>>            |
|                     |

1. Make a call from SP A to SP B. Record the message sequence using a signal monitor. 2. CHECK A: 3. The called party should answer the call 4. CHECK B: 5. The calling party should release the call. 6. CHECK C: 7. CHECK D:

Repeat this test in the reverse direction.

8.

| TUP LEVEL 4 TEST SPECIFICATION   |
|--|
| TEST NUMBER:   |
| REFERENCE:   |
| TITLE:   |
| SUBTITLE:  |
| PURPOSE: To verify that if signalling point is unable to return the circuit to an idle condition in response to a backward signal, the circuit will be blocked |
| PRE–TEST CONDITIONS: the circuit to an idle condition in response to a backward signal   |
| CONFIGURATION:   |
| TYPE OF TEST:  |
| TYPE OF SP:  |
|  |

| SP                                    |  |  |
|---------------------------------------|--|--|
| SP                                    |  |  |
| IAM<br>>                              |  |  |
| <adi< th=""><th></th><th></th></adi<> |  |  |
| BLO>                                  |  |  |
| <bla< th=""><td></td><td></td></bla<> |  |  |
| CLF>                                  |  |  |
| <<br>RLG                              |  |  |

EXPECTED MESSAGE SEQUENCE:

1.

Make a call from SP A to SP B, but do not enter the final digit.

2.

CHECK A:

**EXCHANGE** 

3.

CHECK B:

4.

Repeat this test in the reverse direction.

| TUP LEVEL 4 TEST SPECIFICATION                                    |
|---|
| TEST NUMBER:  |
| REFERENCE:  |
| TITLE:  |
| SUBTITLE:   |
| PURPOSE:  |
| PRE-TEST CONDITIONS:  message is not returned to the call request |
| CONFIGURATION:  |
| TYPE OF TEST:   |
| TYPE OF SP:   |
| EXPECTED MESSAGE SEQUENCE:  |
| SP  |

| 0 |    |
|---|----|
|   | ., |
|   |    |

| IAM<br>_<br> | >                    |
|--------------|----------------------|
|              | 1/2                  |
| T2           | ½ T2   20–30 seconds |
|              | 1/2                  |
| CLI          | _<br>>               |
| _            |                      |

RLG

4.

CHECK C:

## **TUP LEVEL 4 TEST SPECIFICATION** TEST NUMBER: REFERENCE: TITLE: SUBTITLE: PURPOSE: PRE-TEST CONDITIONS: a) received. b) Arrange the data in signalling point B such that a clear forward signal is not returned in response to an address incomplete message. **CONFIGURATION:** TYPE OF TEST: TYPE OF SP: EXPECTED MESSAGE SEQUENCE:

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| SP                                    |  |  |
|---------------------------------------|--|--|
| SP                                    |  |  |
| <                                     |  |  |
| IAM                                   |  |  |
| ADI –                                 |  |  |
|                                       |  |  |
| 1/2                                   |  |  |
| T3½<br>4–15 seconds                   |  |  |
| 1/2                                   |  |  |
| CFL –>                                |  |  |
| <clf< th=""><th></th><th></th></clf<> |  |  |
| RLG>                                  |  |  |

| TEST DESCRIPTION  |
|---|
| 1.  Attempt to make a call from SD P to SD A but do not dial the last digit   |
| Attempt to make a call from SP B to SP A but do not dial the last digit.  Record the message sequence using a signal monitor. |
| 2. CHECK A: WAS A CALL FAILURE SIGNAL SENT BETWEEN 4–15 SECONDS AFTEF SENDING OF THE ADDRESS INCOMPLETE MESSAGE?              |
| 3.<br>CHECK B:  |
| 4.<br>CHECK C:  |