

# **SIN 324**

Issue 3.4 November 2004

#### **Suppliers' Information Note**

For The BT Network

#### **BT Featurenet Embark**

# Service Description

Each SIN is the copyright of British Telecommunications plc. Reproduction of the SIN is permitted only in its entirety, to disseminate information on the BT Network within your organisation. You must not edit or amend any SIN or reproduce extracts. You must not remove BT trade marks, notices, headings or copyright markings.

This document does not form a part of any contract with BT customers or suppliers.

Users of this document should not rely solely on the information in this document, but should carry out their own tests to satisfy themselves that terminal equipment will work with the BT network.

BT reserves the right to amend or replace any or all of the information in this document.

BT shall have no liability in contract, tort or otherwise for any loss or damage, howsoever arising from use of, or reliance upon, the information in this document by any person.

Due to technological limitations a very small percentage of customer interfaces may not comply with some of the individual characteristics which may be defined in this document.

Publication of this Suppliers' Information Note does not give or imply any licence to any intellectual property rights belonging to British Telecommunications plc or others. It is your sole responsibility to obtain any licences, permissions or consents which may be necessary if you choose to act on the information supplied in the SIN.

This SIN is available in Portable Document Format (pdf) from: <a href="http://www.sinet.bt.com/index.htm">http://www.sinet.bt.com/index.htm</a>

Enquiries relating to this document should be directed to: <a href="help@sinet.bt.com">help@sinet.bt.com</a>

# CONTENTS

| 1.  | INTRODUCTION   | 3   |
|-----|--|-----|
| 1.1 | Product Overview   | 3   |
| 1.2 | Featurenet Embark Centrex                                  | 3   |
| 1.3 | Featurenet Embark Digital                                  | 3   |
| 2.  | ABBREVIATIONS.   | 3   |
| 3.  | SERVICE AVAILABILITY                                       | 4   |
| 4.  | SERVICE OUTLINE  | ,   |
| 4.  | SERVICE OUTLINE  | , ٦ |
| 5.  | TYPICAL CUSTOMER DIGITAL/CENTREX CONFIGURATION             | 5   |
| 6.  | TARIFFS  | 6   |
| 7.  | FURTHER INFORMATION  | 6   |
|     |  |     |
| 8.  | REFERENCES   | 6   |
| 9.  | HISTORY  | 6   |
|     | APPENDIX. FEATURENET EMBARK COMPLIANCE WITH BTNR 188 / 189 | 7   |

#### 1. Introduction

This Suppliers Information Note gives information about the BT Featurenet Embark service.

#### 1.1 Product Overview

Featurenet Embark enables customers with both large and very small sites to link together into a corporate telephone network, giving the benefit of a private network. This service is available on a national basis.

The product delivers an integrated Virtual Private Network (VPN) and Centrex service.

The Service consists of two elements -

#### 1.2 Featurenet Embark Centrex

**Centrex** Sites—Smaller sites will use lines based on BT 's existing Featureline product (See SIN 297<sup>[1]</sup>). This replicates a customer's PBX functionality and is provided using standard PSTN access technologies.

#### 1.3 Featurenet Embark Digital

**Digital** Sites – Large PBX sites which replicates the functionality of a private network by connecting the PBXs into the Core Network using 2 Mbit/s DPNSS links.

For OnNet calls only, the PBX Business Group (PBG) built within the System X data can operate in a number of ways depending on the type of call; consequently the way the PBG conforms to BTNR 188<sup>[2]</sup> will vary. There is full OnNet call interworking (subject to BTNR 188 compliance) of DPNSS supplementary services between the Centrex sites and the Digital sites. The basic compliance with BTNR 188, plus compliance according to the 3 modes of operation, where appropriate, is given in the appendix to this SIN.

The way that the PBG operates for OffNet calls is described in BTNR 189<sup>[3]</sup>.

#### 2. Abbreviations.

| BTNR   | British Telecom Network Requirement          |
|--|--|
| <b>DPNSS</b> Digital Private Network Signalling System |  |
| PBG  | PBX Business Group                           |
| PBX Private Branch Exchange                            |  |
| PSTN   | Public Switched Telephone Network            |
| SIN  | Suppliers' Information Note (BT Publication) |
| VPN  | Virtual Private Network                      |
| TIG  | Technical Interface Guide                    |

#### 3. Service Availability

The Centrex service is available to customers served by System X and AXE 10 Digital Local Exchanges; the Digital service is only available to customers served by System X Digital Local Exchanges. At the time of writing it is not available to customers served by UXD5 exchanges.

#### 4. Service Outline

Customers will connect to the service either via Centrex access lines or Featureline Corporate Access lines, which are based on the existing Featureline product, Low Band Digital Access, details for both are contained in SIN 297, or via 2 Mbit/s DPNSS 1 digital access. The service consists of the following elements.

**Featurenet Embark Centrex Site:** A single customer site comprising of a number of analogue Centrex extensions directly connected the customer's local BT exchange and provided with OnNet dialling capability to other sites within the customer's defined network.

**Virtual Private Network (VPN):** A VPN refers to the virtual equivalent of a private circuit network and includes functionality normally provided by a hub PBX. The VPN is virtually connected to Centrex sites and physically connected to PBX sites via VPN DPNSS1 trunks. A VPN connected PBX may itself be a hub to other PBXs thereby providing indirect VPN access to otherwise unconnected sites. Digit insertion facilities can be provided as an administrative option on incoming OnNet calls presented at the DPNSS access to the service. This enables the number of address digits to be indicated by the addition of prefix digits in the format "111X" where X identifies the number of address digits (Site Location Code + Extension Number).

Sites are connected in Private Number Plans. There is full interworking (subject to BTNR 188 compliance) of DPNSS supplementary services between the Centrex sites and the PBX e.g. Ring back when free, Ring back when next used, CLI display etc.

**OnNet Call**: Call made to or received from a site on the Virtual Network to another site within the customer's group using the Private Number Plan.

**OffNet Call:** Call made to or received from a location outside of the customers private network using the Public Directory Number.

**Digital Site**: A customer site comprising of a site located PBX connected by DPNSS1 2 Mbit/s link to a PBX Business Group on a local System X Exchange. This group would be configured as part of a Private Number Plan with OnNet dialling capability to other sites within their defined network.

Customers will be able to make OnNet calls to other sites within their customer group that are also connected to the service. Access to the PSTN from 2 Mbit/s sites via the service will be available from a customer defined 1 or 2 digit code. PSTN access from Centrex sites will be a customer defined 1 or 2 digit code.

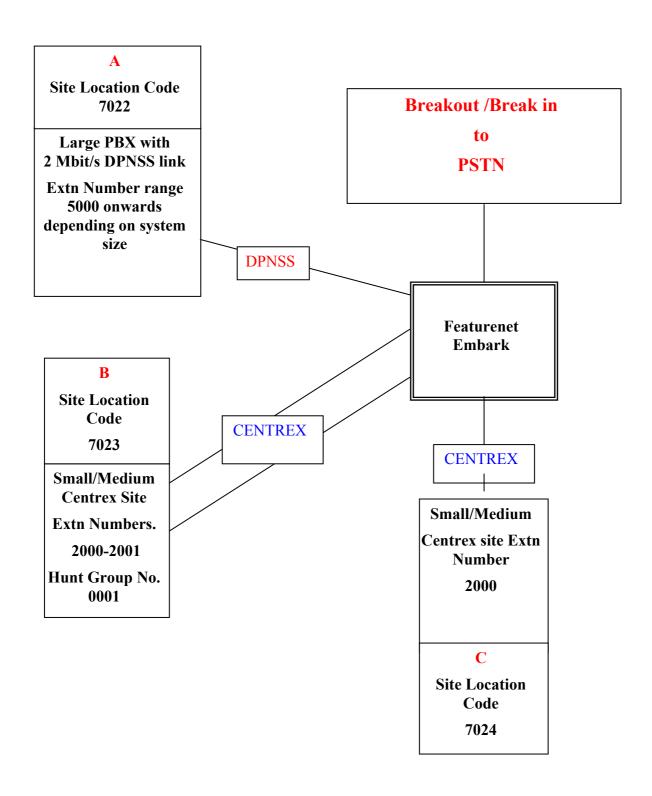
Private network numbers on Centrex sites are limited to 3-5 digit Site Location Code; Digital Site Location Codes are limited to 3 to 6 digits. Extension number ranges for both can be 2-6 digits in length.

#### 5. Typical Customer Digital/Centrex Configuration

An OnNet call from site A to site B would dial the number 7023 2000 or 7023 2001 or if the lines are in a Hunt Group 0001.

An OnNet call from site C to Site A would dial 7022 5000 or 7022 5001.

An on site call on site B would dial 2000 or 2001.



#### 6. Tariffs

Tariffs for the Featurenet Embark service are published in the BT Price List.

#### 7. Further information

For information on the Featurenet Embark service please see the Useful Contacts page at <a href="http://www.sinet.bt.com/usenum.htm">http://www.sinet.bt.com/usenum.htm</a>.

Alternatively please contact either:

- Your company's BT Account Manager, or
- If you have questions relating to this document then please contact: <u>help@sinet.bt.com</u>

#### 8. References

| [1] | SIN 297  | Featureline Service Description                           |
|-----|----------|---|
| [2] | BTNR 188 | Digital Private Network Signalling System No 1            |
| [3] | BTNR 189 | Interworking Between DPNSS 1 and Other Signalling Systems |

SINs are available from <a href="https://www.sinet.bt.com">www.sinet.bt.com</a>

For further information or copies of referenced sources, please see document sources page at <a href="http://www.sinet.bt.com/usenum.htm#docsources">http://www.sinet.bt.com/usenum.htm#docsources</a>

#### 9. History

| Issue 1   | January 1999  | First Issued.   |
|-----------|---------------|---|
| Issue 2   | July 1999     | Digit insertion facility added to section 4. Editorial changes. |
| Issue 3   | May 2000      | Business Highway added, compliance statement for DPNSS          |
|           |               | against BTNR 188/189 expanded and general review changes.       |
| Issue 3.1 | June 2001     | Editorial Changes.  |
| Issue 3.2 | July 2002     | Editorial Changes.  |
| Issue 3.3 | October 2003  | Editorial Changes.  |
|           |               | Clause on terminal approval requirements deleted.               |
| Issue 3.4 | November 2004 | Featureline Corporate Access lines added to Service Outline     |
|           |               | clause.   |

### Appendix. Featurenet Embark compliance with BTNR 188 / 189

| Section                          | Basic<br>Compliance<br>BTNR 188 | Transit (OnNet<br>Call)<br>BTNR 188 | Terminating (Outgoing OffNet call) BTNR 189 | Originating (Incoming OffNet Call) BTNR 189 |
|----------------------------------|---------------------------------|-------------------------------------|---|---|
| 0 - 6 - Simple Call              | Compliant                       | Compliant                           | Compliant                                   | Compliant                                   |
| 7 - Data Call                    | Compliant                       | Compliant                           | Compliant                                   | Compliant                                   |
| 8 - Swap                         | Compliant                       | Compliant                           | Compliant                                   | Compliant                                   |
| 9 - Call Back When Free          | Compliant                       |                                     |   |   |
| Request                          |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| Free Notification                |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| Call Set Up                      |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| Cancel Request                   |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| 10 - Executive Intrusion         | Compliant                       |                                     |   |   |
| Respond Correctly to IPL Request |                                 | Compliant                           | Compliant                                   | Not Applicable                              |
| With Prior Validation            |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| Without Prior Validation         |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| Send IPL Request                 |                                 | Compliant                           | Compliant                                   | Not Applicable                              |
| Apply Default IPL on SNU         |                                 | Not Applicable                      | Compliant                                   | Not Applicable                              |
| 11 - Diversion                   | Compliant                       |                                     |   |   |
| Registration & Validation        |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| Immediate                        |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| On Busy                          |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| On No Reply                      |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| Follow Me                        |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| Cancel                           |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| Bypass of Call Diversion         |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| 12 - Hold                        | Compliant                       |                                     |   |   |
| Hold Request                     |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| Reconnection Indication          |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| Holding Party Cleared Indication |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| 13 - Three Party                 | Compliant                       |                                     |   |   |
| Enquiry Using Separate Path      |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| Shuttle                          |                                 | Not Applicable                      | Not Applicable                              | Compliant                                   |
| Transfer                         |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| Add-on                           |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| Split After Add-on               |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| Clear Down After Add-on          |                                 | Compliant                           | Compliant                                   | Compliant                                   |

| Section  | Basic<br>Compliance<br>BTNR 188 | Transit (OnNet<br>Call)<br>BTNR 188 | Terminating (Outgoing OffNet call) BTNR 189 | Originating (Incoming OffNet Call) BTNR 189 |
|--|---------------------------------|-------------------------------------|---|---|
| 14 - Call Offer  | Compliant                       |                                     |   |   |
| Call Offer Request   |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| Accept By Clear  |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| Accept By Hold   |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| Reject   |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| Convert To Executive Intrusion   |                                 | Compliant                           | Not Applicable                              | Not Applicable                              |
| 15 - Non Specific Information  | Transit Only                    | Compliant                           | Non Compliant                               | Non Compliant                               |
| 16 - Service Independent Strings   | Compliant                       |                                     |   |   |
| DASS2 Service Indicator Code   |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| Password   |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| Trunk Identity   |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| VPN Initiated Clear  |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| VPN Nodal Identity   |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| All Others   |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| 17 - Call Waiting  | Compliant                       |                                     |   |   |
| Call Waiting Indication  |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| Accept By Clearing   |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| Accept By Hold   |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| Reject   |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| Convert To Executive Intrusion   |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| 18 - Bearer Service Selection  | Compliant                       |                                     |   |   |
| Able to select path based on Bearer Service requirements (BSS-M) Mandatory |                                 | Compliant                           | Not Applicable                              | Compliant                                   |
| Able to select path based on Bearer Service requirements (BSS-P) Preferred |                                 | Compliant                           | Not Applicable                              | Compliant                                   |
| Able to select path based on Bearer Service requirements (BSS-N) Notified  |                                 | Compliant                           | Not Applicable                              | Compliant                                   |
| 19 - Route Optimisation  | Transit Only                    |                                     |   |   |
| Route Optimisation Request   |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| Call Set-up via separate channel   |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| 20 - Extension Status  | Transit Only                    | Compliant                           | Non Compliant                               | Non Compliant                               |

| Section                       | Basic<br>Compliance<br>BTNR 188 | Transit (OnNet<br>Call)<br>BTNR 188 | Terminating (Outgoing OffNet call) | Originating (Incoming OffNet Call) |
|-------------------------------|---------------------------------|-------------------------------------|------------------------------------|------------------------------------|
| 21 Controlled Diversion       | Transit Only                    |                                     | BTNR 189                           | BTNR 189                           |
| 21 - Controlled Diversion     | Transit Only                    |                                     | N. C. II.                          | N. C. II.                          |
| Immediate                     |                                 | Compliant                           | Non Compliant                      | Non Compliant                      |
| Busy                          |                                 | Compliant                           | Non Compliant                      | Non Compliant                      |
| On No Reply                   |                                 | Compliant                           | Non Compliant                      | Non Compliant                      |
| 22 - Redirection              | Compliant                       |                                     |                                    |                                    |
| Via Separate Channel          |                                 | Compliant                           | Compliant                          | Compliant                          |
| 23 - Series Call              | Transit Only                    |                                     |                                    |                                    |
| Request                       |                                 | Compliant                           | Non Compliant                      | Non Compliant                      |
| Cancel                        |                                 | Compliant                           | Non Compliant                      | Non Compliant                      |
| Set Up                        |                                 | Compliant                           | Non Compliant                      | Non Compliant                      |
| 24 - Three Party Take-over    | Transit Only                    |                                     |                                    |                                    |
| Request                       |                                 | Compliant                           | Non Compliant                      | Non Compliant                      |
| Validation                    |                                 | Compliant                           | Non Compliant                      | Non Compliant                      |
| 25 - Night Service            | Compliant                       |                                     |                                    |                                    |
| Notification                  |                                 | Compliant                           | Non Compliant                      | Non Compliant                      |
| Different Channel             |                                 | Compliant                           | Compliant                          | Compliant                          |
| Re-divert                     |                                 | Compliant                           | Non Compliant                      | Non Compliant                      |
| 26 - Centralised Operator     | Compliant                       |                                     |                                    |                                    |
| 3 Party Service (Sec 13)      |                                 | Compliant                           | Compliant                          | Compliant                          |
| Call Offer (Sec 14)           |                                 | Compliant                           | Compliant                          | Compliant                          |
| Redirection (Sec 22)          |                                 | Compliant                           | Compliant                          | Compliant                          |
| Executive Intrusion (Sec 10)  |                                 | Compliant                           | Compliant                          | Compliant                          |
| Route Optimisation (Sec 19)   |                                 | Compliant                           | Non Compliant                      | Non Compliant                      |
| Night Service (Sec 25)        |                                 | Compliant                           | Compliant                          | Compliant                          |
| Extension Status (Sec 20)     |                                 | Compliant                           | Non Compliant                      | Non Compliant                      |
| Controlled Diversion (Sec 21) |                                 | Compliant                           | Non Compliant                      | Non Compliant                      |
| Series Call (Sec 23)          |                                 | Compliant                           | Non Compliant                      | Non Compliant                      |
| 3 Party Takeover (Sec 24)     |                                 | Compliant                           | Non Compliant                      | Non Compliant                      |
| Hold (Sec 12)                 |                                 | Compliant                           | Compliant                          | Compliant                          |

| Section   | Basic<br>Compliance<br>BTNR 188 | Transit (OnNet<br>Call)<br>BTNR 188 | Terminating<br>(Outgoing<br>OffNet call) | Originating<br>(Incoming OffNet<br>Call) |
|---|---------------------------------|-------------------------------------|--|--|
|   |                                 |                                     | BTNR 189                                 | BTNR 189                                 |
| 27 - Traffic Channel Maintenance                  | Non Compliant                   |                                     |  |  |
| Back Busy Traffic Channel                         |                                 | Not Applicable                      | Non Compliant                            | Non Compliant                            |
| Loop Back on Same Channel                         |                                 | Not Applicable                      | Non Compliant                            | Non Compliant                            |
| Loop Back on Different Channel                    |                                 | Not Applicable                      | Non Compliant                            | Non Compliant                            |
| Cancellation of Loop Back                         |                                 | Not Applicable                      | Non Compliant                            | Non Compliant                            |
| Reject call on Back-busied Channel                |                                 | Not Applicable                      | Non Compliant                            | Non Compliant                            |
| Status Request                                    |                                 | Not Applicable                      | Non Compliant                            | Non Compliant                            |
| 28 - Remote Alarm Reporting                       | Transit Only                    |                                     |  |  |
| Request   |                                 | Compliant                           | Non Compliant                            | Non Compliant                            |
| Report  |                                 | Compliant                           | Non Compliant                            | Non Compliant                            |
| 29 - Add -On Conference                           | Transit Only                    |                                     |  |  |
| Enquiry   |                                 | Compliant                           | Non Compliant                            | Non Compliant                            |
| Request   |                                 | Compliant                           | Non Compliant                            | Non Compliant                            |
| Cleardown   |                                 | Compliant                           | Non Compliant                            | Non Compliant                            |
| Split   |                                 | Compliant                           | Non Compliant                            | Non Compliant                            |
| Obtain Conference Details                         |                                 | Compliant                           | Non Compliant                            | Non Compliant                            |
| 30 - Time Synchronisation                         | Transit Only                    |                                     |  |  |
| Time Notification Man Machine Interface Initiated |                                 | Compliant                           | Non Compliant                            | Non Compliant                            |
| Time Notification Console Initiated               |                                 | Compliant                           | Non Compliant                            | Non Compliant                            |
| Time Notification at Configurable Time of Day     |                                 | Compliant                           | Non Compliant                            | Non Compliant                            |
| Time Request                                      |                                 | Compliant                           | Non Compliant                            | Non Compliant                            |
| 31 - Call Back When Next Used                     | Compliant                       | Compliant                           | Compliant                                | Compliant                                |
| 32 - Do Not Disturb                               | Compliant                       |                                     |  |  |
| Encountered                                       |                                 | Compliant                           | Compliant                                | Compliant                                |
| Over-ride   |                                 | Compliant                           | Compliant                                | Compliant                                |

| Section  | Basic<br>Compliance<br>BTNR 188 | Transit (OnNet<br>Call)<br>BTNR 188 | Terminating (Outgoing OffNet call) BTNR 189 | Originating (Incoming OffNet Call) BTNR 189 |
|--|---------------------------------|-------------------------------------|---|---|
| 33 - Remote Diversion                          | Compliant                       |                                     |   |   |
| Set Extension Diversion – Immediate            |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| Set Extension Diversion - On Busy              |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| Set Extension Diversion - On No Reply          |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| Cancel Extension Diversion - Immediate         |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| Cancel All Extensions Diversion – Immediate    |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| Cancel Extension Diversion - On Busy           |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| Cancel All Extensions Diversion - On Busy      |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| Cancel Extension Diversion - On No Reply       |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| Cancel All Extensions Diversion - On No Reply  |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| Cancel All Diversions on an Extension          |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| Cancel All Diversion on All Extensions         |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| 34 - Remote Do Not Disturb                     | Transit Only                    | Compliant                           | Non Compliant                               | Non Compliant                               |
| 35 - Priority Breakdown                        | Non Compliant                   |                                     |   |   |
| Required by Term Node                          |                                 | Non Compliant                       | Non Compliant                               | Non Compliant                               |
| Required by Originating Node                   |                                 | Non Compliant                       | Non Compliant                               | Non Compliant                               |
| At Busy extension                              |                                 | Non Compliant                       | Non Compliant                               | Non Compliant                               |
| On Encountering Congestion                     |                                 | Non Compliant                       | Non Compliant                               | Non Compliant                               |
| 36 - Call Back Messaging                       | Transit Only                    |                                     |   |   |
| Accept Call Back Message Request and Cancel    |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| Send Call Back Message Request and Cancel      |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| 37 - Loop Avoidance                            | Non Compliant                   |                                     |   |   |
| Able to Insert Loop Avoidance String           |                                 | Non Compliant                       | Not Applicable                              | Non Compliant                               |
| Able to Decrement Transit Count                |                                 | Non Compliant                       | Not Applicable                              | Not Applicable                              |
| Able to Reject Call With Transit Count of Zero |                                 | Non Compliant                       | Not Applicable                              | Not Applicable                              |
| 38 - Forced Release                            | Transit Only                    | Compliant                           | Non Compliant                               | Non Compliant                               |
| 39 - Text Message                              | Transit Only                    | Compliant                           | Non Compliant                               | Non Compliant                               |

| Section   | Basic<br>Compliance<br>BTNR 188 | Transit<br>(OnNet Call)<br>BTNR 188 | Terminating<br>(Outgoing<br>OffNet call) | Originating<br>(Incoming OffNet<br>Call) |
|---|---------------------------------|-------------------------------------|--|--|
|   |                                 |                                     | BTNR 189                                 | BTNR 189                                 |
| 40 - Charge Reporting   | Transit Only                    |                                     |  |  |
| Respond to Request For Account Code   |                                 | Compliant                           | Non Compliant                            | Non Compliant                            |
| Request Call Cost   |                                 | Compliant                           | Non Compliant                            | Non Compliant                            |
| Respond to Request for Call Cost  |                                 | Compliant                           | Non Compliant                            | Non Compliant                            |
| Send Unsolicited Call Cost Details  |                                 | Compliant                           | Non Compliant                            | Non Compliant                            |
| Send Charge rate (Time/unit Based)  |                                 | Compliant                           | Non Compliant                            | Non Compliant                            |
| Request Account Code Details  |                                 | Compliant                           | Non Compliant                            | Non Compliant                            |
| Charging Active Indication  |                                 | Compliant                           | Non Compliant                            | Non Compliant                            |
| 41 - Network Address Extension  | Transit Only                    | Compliant                           | Non Compliant                            | Non Compliant                            |
| 42 - Call Park  | Transit Only                    |                                     |  |  |
| Accept / Request  |                                 | Compliant                           | Non Compliant                            | Non Compliant                            |
| Ring Out Request  |                                 | Compliant                           | Non Compliant                            | Non Compliant                            |
| Redirection on No Answer  |                                 | Compliant                           | Non Compliant                            | Non Compliant                            |
| 43 - Call Distribution  | Transit Only                    |                                     |  |  |
| Distributed Call Forward  |                                 | Compliant                           | Non Compliant                            | Non Compliant                            |
| Investigation of Call Loading   |                                 | Compliant                           | Non Compliant                            | Non Compliant                            |
| Call Queuing  |                                 | Compliant                           | Non Compliant                            | Non Compliant                            |
| Accept Distributed Calls  |                                 | Compliant                           | Non Compliant                            | Non Compliant                            |
| Extension / Operator Calls Can Be<br>Distributed                                |                                 | Compliant                           | Non Compliant                            | Non Compliant                            |
| 44 - Route Capacity Control   | Compliant                       |                                     |  |  |
| VPN able to invoke over-Ride without an indication from PBX that it is required |                                 | Compliant                           | Compliant                                | Compliant                                |
| VPN able to indicate to PBX that over-ride is available                         |                                 | Compliant                           | Compliant                                | Compliant                                |
| VPN able to act upon indication from PBX that over-ride is required             |                                 | Non Compliant                       | Non Compliant                            | Non Compliant                            |
| 45 - Wait On Busy   | Compliant                       |                                     |  |  |
| Accept request  |                                 | Compliant                           | Compliant                                | Compliant                                |
| Accept call when the existing call clears                                       |                                 | Compliant                           | Compliant                                | Compliant                                |

| Section  | Basic<br>Compliance<br>BTNR 188 | Transit<br>(OnNet Call)<br>BTNR 188 | Terminating (Outgoing OffNet call) BTNR 189 | Originating (Incoming OffNet Call) BTNR 189 |
|--|---------------------------------|-------------------------------------|---|---|
| 46 – Call Pick-up  | Compliant                       |                                     |   |   |
| Group Pick-up of ringing call  |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| Group Pick-up of waiting call  |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| Directed Pick-up of ringing call                                     |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| Directed Pick-up of waiting call                                     |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| Directed Pick-up of held call  |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| Directed Pick-up of parked call                                      |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| Night Bell / any extension Pick-up                                   |                                 | Compliant                           | Compliant                                   | Compliant                                   |
| 47 - Travelling Class of Service                                     | Transit Only                    |                                     |   |   |
| Originate TCS request  |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| Respond to TCS request   |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| 48 - Number Presentation Restriction                                 | Transit Only                    |                                     |   |   |
| Able to send a Number Presentation<br>Restriction (NPR-A) string     |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| Able to act upon a Number Presentation<br>Restriction (NPR-A) string |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| Able to send a Number Presentation<br>Restriction (NPR-B) string     |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| Able to act upon a Number Presentation<br>Restriction (NPR-B) string |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| Able to send a Number Presentation<br>Restriction (NPR-O) string     |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| Able to act upon a Number Presentation<br>Restriction (NPR-O) string |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |
| Able to support restriction domains                                  |                                 | Compliant                           | Non Compliant                               | Non Compliant                               |

-END-

# WE WOULD BE GRATEFUL IF YOU WOULD SPEND A FEW MINUTES TO COMPLETE AN ONLINE CUSTOMER SATISFACTION FORM AT <a href="http://www.sinet.bt.com/happy.htm">http://www.sinet.bt.com/happy.htm</a>.

SIN 324 Issue 3.4