

PNO-ISC INFORMATION DOCUMENT 010 — Recommendations for Short Term Solutions to support a Service Provider Access Interface

ICS 33.040.35

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW



Document Sharing Hub

National foreword

This Published Document has been prepared by Technical Committee TCT/50. It recommends short term solutions to support a Service Provider Access Interface.

This Published Document is not to be regarded as a British Standard.

Summary of pages

This document comprises a front cover, an inside front cover, the PNO-ISC title page, pages ii to iv, pages 1 to 14 and a back cover. This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

This Published Document, having been prepared under the direction of the DISC Board, was published under the authority of the Standards Committee and comes into effect on 15 May 1999

© BSI 03-2000

ISBN 0 580 32121 5

Amendments issued since publication

Amd. No.	Date	Comments

PNO-ISC INFORMATION DOCUMENT 010

Recommendations for Short Term Solutions to support a Service Provider Access Interface

NETWORK INTEROPERABILITY CONSULTATIVE COMMITTEE

Office of Telecommunications

50 Ludgate Hill

London EC4M 7JJ

0.2 Normative information

All enquiries about distribution reproduction, changes and clarifications should be addressed in the first instance to the Chairman of the NICC/PNO-IG/ISC at the address on the title page.

DISCLAIMER The contents of this information document have been agreed by the NICC. The information contained herein is the property of the NICC and is supplied without liability for errors or omissions.

0.3 Contents

	Page
0.2 Normative information	ii
0.3 Contents	iii
0.4 History	1
0.5 Issue control	1
0.6 References	1
0.7 Glossary of terms	1
0.8 Scope	1
0.9 Assumptions	2
1 Receipt of CLIs by the Service Provider	3
1.1 Description	3
1.2 Recommendation	3
2 Population of CLIs by the Service Provider in outgoing calls	4
2.1 Description	4
2.2 Recommendation	4
3 Indication to the Service Provider of outgoing call attempt	4
3.1 Description	4
3.2 Recommendation	4
3.2.1 Circuit Related	4
3.2.2 Non-circuit Related	4
4 Indication to the Service Provider of an incoming call	5
4.1 Description	5
4.2 Recommendation	5
4.2.1 Circuit Related	5
4.2.2 Non-circuit Related	5
5 Access to various IN-type triggers and events	5
5.1 Description	5
5.2 Recommendation	5
5.2.1 Circuit Related	5
5.2.2 Non-circuit Related	5
6 On-line message waiting indication	5
6.1 Description	5
6.2 Recommendation	6
7 Ability to direct routing and destinations of calls	6
7.1 Description	6
7.2 Recommendation	6
7.2.1 Circuit Related	6
7.2.2 Non-circuit Related	6
8 Delivery and collection of telemetry information	6
8.1 Description	6
8.2 Recommendation	6
9 Route Optimisation	6
9.1 Description	6
9.2 Recommendation	7
10 Supervision of dropped-back calls	7
10.1 Description	7
10.2 Recommendation	7
11 Ability to receive MF digits before answer	7
11.1 Description	7
11.2 Recommendation	7
12 Ability to receive originally dialled digits	7

	Page
12.1 Description	7
12.2 Recommendation	7
Annex A CLI Availability with UK networks	8
Annex B Service Provider Interface Functional Requirements	11
Figure 1 — Network Architecture Model	2

0.4 History

Revision	Date of Issue	Editor	Description
Issue 1	2.3.98	J.D.Humphrey, GPT Limited	Initial issue

0.5 Issue control

<u>PAGE</u>	<u>ISSUE</u>	<u>DATE</u>
All	Issue 1	2.3.98

0.6 References

- [1] ITU-T Recommendation Q.931 DSS1 (Digital Subscriber Signalling System No 1)
- [2] OFTEL Revised CLI Code of Practice revised (PNO-ISC/CCRG/CP/014 Daft)

0.7 Glossary of terms

CD	Call Deflection
CLI	Calling Line Identity
CLIP	Calling Line Identity Presentation
CLIR	Calling Line Identity Restriction
CPE	Customer Premises Equipment
DSS1	Digital Subscriber Signalling System No 1
ECT	Explicit Call Transfer
ISUP	ISDN Services User Part
IUP	Interconnection User Part
MCID	Malicious Call IDentification
MF	Multi Frequency
MWI	Message Waiting Indication
NNI	Network to Network Interface
NP	Network Provided
NTP	Network Termination Point
OSS	Operational Support Systems
SP	Service Provider
SPI	Service Provider Interface
SPIG	Service Provider Interest Group
SS7	Signalling System No 7
UNI	User Network Interface
UPNV	User Provided Not Verified
UPVP	User Provided Verified and Passed
USBS	User Signalling Bearer Service

0.8 Scope

This document describes the recommended short term solutions to support a Service Provider Access Interface. The functional requirements upon which these recommendations are based, are described in Annex B. It should be noted that whilst this document develops a set of capabilities not all Service Providers will require all capabilities.