

ISO/IEC 14843:2003-04 (E)

Information technology — Telecommunications and information exchange between systems —
Private Integrated Services Network — Inter-exchange signalling protocol —
Call Offer supplementary service

Contents

Foreword	v
Introduction	vi
1 Scope	1
2 Conformance	1
3 Normative references	1
4 Terms and definitions	2
4.1 External definitions	2
4.2 Other definitions	2
4.2.1 Inter-PINX link	2
4.2.2 Path retention	3
4.2.3 Served User PINX	3
5 Acronyms	3
6 Signalling protocol for the support of SS-CO	3
6.1 SS-CO description	3
6.2 SS-CO operational requirements	3
6.2.1 Requirements on an Originating PINX	3
6.2.2 Requirements on a Terminating PINX	3
6.2.3 Requirements on a Transit PINX	3
6.3 SS-CO coding requirements	4
6.3.1 Operations	4
6.3.2 Notifications	6
6.3.3 Information elements	7
6.3.4 Messages	7
6.4 SS-CO state definitions	7
6.4.1 States at the Originating PINX	7
6.4.2 States at the Terminating PINX	7
6.5 SS-CO signalling procedures for activation, deactivation and registration	7
6.6 SS-CO signalling procedures for invocation and operation	7
6.6.1 Actions at the Originating PINX	8
6.6.2 Actions at the Terminating PINX	8
6.6.3 Actions at a Transit PINX	9
6.7 SS-CO impact of interworking with public ISDNs	9
6.8 SS-CO impact of interworking with non-ISDNs	9
6.9 Protocol interactions between SS-CO and other supplementary services and ANFs	10
6.9.1 Interaction with Calling Name Identification Presentation (SS-CNIP)	10
6.9.2 Interaction with Connected Name Identification Presentation (SS-CONP)	10
6.9.3 Interaction with Call Completion to Busy Subscriber (SS-CCBS)	10
6.9.4 Interaction with Call Completion on No Reply (SS-CCNR)	10
6.9.5 Interaction with Call Transfer (SS-CT)	10
6.9.6 Interaction with Call Forwarding Unconditional (SS-CFU)	10
6.9.7 Interaction with Call Forwarding Busy (SS-CFB)	11
6.9.8 Interaction with Call Forwarding No Reply (SS-CFNR)	11

6.9.9	Interaction with Path Replacement (ANF-PR)	12
6.9.10	Interaction with Do Not Disturb (SS-DND)	12
6.9.11	Interaction with Do Not Disturb Override (SS-DNDO)	12
6.9.12	Interaction with Call Intrusion (SS-CI)	12
6.10	SS-CO parameter values (timers)	12
6.10.1	Timer T1	12
Annexes		
A	- Signalling protocol for the support of Path Retention	13
B	- Protocol Implementation Conformance Statement (PICS) proforma	22
C	- Examples of message sequences	28
D	- Specification and Description Language (SDL) representation of procedures	32
E	- Imported ASN.1 definitions	35
F	- ASN.1 definitions according to ITU-T Recs. X.208 / X.209	36