DIN/IEC 15506:2003-04 (E)

Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Inter-exchange signalling protocol — Message Waiting Indication 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	Message Centre PINX	**2**
4.2.2	Served User	**2**
4.2.3	Message Centre	**2**
4.2.4	Message Waiting Indication	**2**
5	List of acronyms	**2**
6	Signalling protocol for the support of SS-MWI	**3**
6.1	SS-MWI description	**3**
6.2	SS-MWI operational requirements	**3**
6.2.1	Requirements on a Message Centre PINX	**3**
6.2.2	Requirements on a Served User PINX	**3**
6.2.3	Requirements on a Transit PINX	**3**
6.3	SS-MWI coding requirements	**4**
6.3.1	Operations	**4**
6.3.2	Information elements	**8**
6.3.3	Messages	**8**
6.4	SS-MWI state definitions	**8**
6.4.1	States at the Message Centre PINX	**8**
6.4.2	States at the Served User PINX	**8**
6.5	SS-MWI signalling procedures	**8**
6.5.1	Actions at the Message Centre PINX	**8**
6.5.2	Actions at the Served User PINX	**9**
6.5.3	Actions at a Transit PINX	**10**
6.6	SS-MWI impact of interworking with public ISDNs	**10**
6.6.1	Incoming Gateway PINX procedures	**10**
6.6.2	Outgoing Gateway PINX procedures	**10**
6.7	SS-MWI impact of interworking with non-ISDNs	**11**
6.8	Protocol interactions between SS-MWI and other supplementary services and ANFs	**11**
6.8.1	Interaction with Advice Of Charge (SS-AOC)	**11**
6.8.2	Interaction with Call Deflection (SS-CD)	**11**
6.8.3	Interaction with Call Forwarding Unconditional (SS-CFU)	**11**
6.8.4	Interaction with Call Forwarding Busy (SS-CFB)	**11**
6.8.5	Interaction with Call Forwarding No Reply (SS-CFNR)	**11**
6.8.6	Interaction with Call Interception (ANF-CINT)	**11**

6.8.7 Interaction with Call Intrusion (SS-CI) **11**
6.8.8 Interaction with Call Offer (SS-CO) **11**
6.8.9 Interaction with Call Transfer (SS-CT) **11**
6.8.10 Interaction with Calling Name Identification Presentation (SS-CNIP) **11**
6.8.11 Interaction with Connected Name Identification Presentation (SS-CONP) **11**
6.8.12 Interaction with Completion of Call to Busy Subscriber (SS-CCBS) **11**
6.8.13 Interaction with Completion of Call on No Reply (SS-CCNR) **11**
6.8.14 Interaction with Do Not Disturb (SS-DND) **11**
6.8.15 Interaction with Do Not Disturb Override (SS-DNDO) **11**
6.8.16 Interaction with Path Replacement (ANF-PR) **12**
6.8.17 Interaction with Recall (SS-RE) **12**
6.8.18 Interaction with Route Restriction Class (ANF-RRC) **12**
6.8.19 Interaction with Authentication of the PISN (SS-WTAN) **12**
6.8.20 Interaction with Authentication of a WTM user (SS-WTAT) **12**
6.8.21 Interaction with Wireless Terminal Location Registration (SS-WTLR) **12**
6.8.22 Interaction with Wireless Terminal Mobility Incoming Call (SS-WTMI) **12**
6.8.23 Interaction with Wireless Terminal Mobility Outgoing Call (SS-WTMO) **12**

6.9 SS-MWI parameter values (timers) **12**

6.9.1 Timer T1 **12**
6.9.2 Timer T2 **12**

Annexes

A - Protocol Implementation Conformance Statement (PICS) proforma **13**

B - Examples of Message Sequences **18**

C - Specification and Description Language (SDL) Representation of Procedures **22**

D - Imported ASN.1 definitions **28**

E - ASN.1 definitions according to ITU-T Recs. X.208 / X.209 **29**