

ISO/IEC 17875:2000-04 (E)

Information technology - Telecommunications and information exchange between systems -
Private Integrated Services Network - Specification, functional model and information flows -
Private User Mobility (PUM) - Registration supplementary service

Contents

Foreword	v
Introduction	vi
1 Scope	1
2 Conformance	1
3 Normative references	1
4 Definitions	2
4.1 External definitions	2
4.2 AllCall registration	3
4.3 Additional network feature (ANF)	3
4.4 Alternative identifier	3
4.5 Destination number	3
4.6 Home Data Base (HDB)	3
4.7 Home PINX	3
4.8 Hosting address	3
4.9 InCall registration	3
4.10 Incoming PUM call	3
4.11 Originating number	3
4.12 OutCall registration	3
4.13 Outgoing PUM call	3
4.14 PUM user identity	3
4.15 Private User Mobility (PUM)	3
4.16 (PUM) de-registration	3
4.17 PUM registration	3
4.18 PUM number	3
4.19 PUM user	3
4.20 Registration session	3
4.21 Visitor area	3
4.22 Visitor Data Base (VDB)	3
4.23 Visitor PINX	3
5 List of acronyms	3
6 SS-PUMR stage 1 specification	5
6.1 Description	5
6.1.1 General description	5
6.1.2 Qualifications on applicability to telecommunication services	5
6.2 Procedure	5
6.2.1 Provision/withdrawal	5
6.2.2 Normal procedures	6
6.2.3 Exceptional procedures	7
6.3 Interaction with other supplementary services and ANFs	7
6.3.1 Number identification services (SS-CLIP, SS-COLP, SS-CLIR)	7
6.3.2 Calling Name Identification Presentation (SS-CNIP)	7
6.3.3 Connected Name Identification Presentation (SS-CONP)	7
6.3.4 Calling/Connected Name Identification Restriction (SS-CNIR)	7
6.3.5 Call Completion to Busy Subscriber (SS-CCBS)	8
6.3.6 Call Completion on No Reply (SS-CCNR)	8
6.3.7 Call Transfer (SS-CT)	8
6.3.8 Call Forwarding Unconditional (SS-CFU)	8
6.3.9 Call Forwarding Busy (SS-CFB)	8

6.3.10	Call Forwarding No Reply (SS-CFNR)	8
6.3.11	Call Deflection (SS-CD)	8
6.3.12	Path Replacement (ANF-PR)	8
6.3.13	Call Offer (SS-CO)	8
6.3.14	Call Intrusion (SS-CI)	8
6.3.15	Do not Disturb (SS-DND)	8
6.3.16	Do not Disturb Override (SS-DNDO)	8
6.3.17	Advice of Charge (SS-AOC)	8
6.3.18	Recall (SS-RE)	8
6.3.19	Call Interception (ANF-CINT)	8
6.3.20	Transit Counter (ANF-TC)	8
6.3.21	Route Restriction Class (ANF-RRC)	8
6.3.22	Message Waiting Indication (SS-MWI)	8
6.3.23	Wireless Terminal Location Registration (SS-WTLR)	8
6.3.24	Wireless Terminal Incoming Call (ANF-WTMI)	9
6.3.25	Wireless Terminal Outgoing Call (ANF-WTMO)	9
6.3.26	Wireless Terminal Authentication of a WTM User (SS-WTAT)	9
6.3.27	Wireless Terminal Authentication of the PISN (SS-WTAN)	9
6.3.28	Private User Mobility Incoming Call (ANF-PUMI)	9
6.3.29	Private User Mobility Outgoing Call (ANF-PUMO)	9
6.3.30	Common Information (ANF-CMN)	9
6.3.31	Call Priority Interruption (Protection) (SS-CPI(P))	9
6.4	Interworking considerations	9
6.5	Overall SDL	10
7	SS-PUMR stage 2 specification	10
7.1	Functional model	10
7.1.1	Functional model description	10
7.1.2	Description of Functional Entities	11
7.1.3	Relationship of functional model to basic call functional model	12
7.2	Information flows	12
7.2.1	Definition of information flows	12
7.2.2	Relationship of information flows to basic call information flows	18
7.2.3	Information flow sequences	18
7.3	Functional Entity actions	24
7.3.1	Actions of FE1	24
7.3.2	Actions of FE2	25
7.3.3	Actions of FE3	25
7.3.4	Actions of FE4	25
7.3.5	Actions of FE5	25
7.3.6	Actions of FE6	26
7.3.7	Actions of FE7	26
7.3.8	Actions of FE8	26
7.4	Functional entity behaviour	27
7.4.1	Behaviour of FE1	27
7.4.2	Behaviour of FE2	29
7.4.3	Behaviour of FE3	32
7.4.4	Behaviour of FE4	33
7.4.5	Behaviour of FE5	37
7.4.6	Behaviour of FE6	40
7.4.7	Behaviour of FE7	41
7.4.8	Behaviour of FE8	42
7.5	Allocation of Functional Entities to physical equipment	43
7.6	Interworking considerations	43