SLOVENSKI STANDARD
PSIST ETR 120:1999

01-julij-1999

Radijska oprema in sistemi (RES) - Vseevropski sistem snopovnega radia (TETRA) - Govor in podatki (V+D) - Odprti kanal

Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Open channel

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Ta slovenski standard je istoveten z: **ETR 120 Edition 1**

PSIST ETR 120:1999
https://standards.iteh.ai/catalog/standards/sist/25c680d4-c34c-42ad-89ae-74991e23266c/psist-etr-120-1999

ICS:

33.070.10	Prizemni snopovni radio (TETRA)	Terrestrial Trunked Radio (TETRA)

PSIST ETR 120:1999 **en**

2003-01.Slovenski inštitut za standardizacijo. Razmnoževanje celote ali delov tega standarda ni dovoljeno.

PSIST ETR 120:1999

iTeh STANDARD PREVIEW
(standards.iteh.ai)

PSIST ETR 120:1999
https://standards.iteh.ai/catalog/standards/sist/25c680d4-c34c-42ad-89ae-74991e23266c/psist-etr-120-1999

PSIST ETR 120:1999

ETSI TECHNICAL REPORT

ETR 120

November 1994

Source: ETSI TC-RES

Reference: DTR/RES-06008

ICS: 33.060.20

Key words: TETRA, V + D, open channel

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Radio Equipment and Systems (RES); Trans-European Trunked Radio system (TETRA); Voice plus Data (V + D) Open channel

https://standards.iteh.ai/catalog/standards/sist/25c680d4-c34c-42ad-89ae-74991e2...

ETSI

European Telecommunications Standards Institute

ETSI Secretariat

Postal address: F-06921 Sophia Antipolis CEDEX - FRANCE
Office address: 650 Route des Lucioles - Sophia Antipolis - Valbonne - FRANCE
X.400: c=fr, a=atlas, p=etsi, s=secretariat - **Internet:** secretariat@etsi.fr

Tel.: +33 92 94 42 00 - Fax: +33 93 65 47 16

Copyright Notification: No part may be reproduced except as authorized by written permission. The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 1994. All rights reserved.

New presentation - see History box

PSIST ETR 120:1999

iTeh STANDARD PREVIEW
(standards.iteh.ai)

PSIST ETR 120:1999
https://standards.iteh.ai/catalog/standards/sist/25c680d4-c34c-42ad-89ae-74991e23266c/psist-etr-120-1999

Whilst every care has been taken in the preparation and publication of this document, errors in content, typographical or otherwise, may occur. If you have comments concerning its accuracy, please write to "ETSI Editing and Committee Support Dept." at the address shown on the title page.

PSIST ETR 120:1999

Contents

Foreword 15

1 Scope 17

2 References 17

3 Definitions and abbreviations 17
3.1 Definitions 17
3.2 Abbreviations 19

4 Applicability of services 19

5 Realisation of service 19

6 Other users perception of the open channel operation 20
6.1 Single timeslot open channel operation 20
6.2 Distinction between group call and circuit mode data 21

7 Optimisation of the call set-up protocol 21
7.1 Definition of performance parameters 21
7.1.1 Open channel establishment time 21
7.1.2 Transaction set-up time 23
7.1.3 Resource gain of pseudo open channel versus open channel operation 23
7.1.4 Channel availability versus system load 23
7.1.5 End of transaction mechanism 24

8 Optimisation of the supplementary services involved at the set-up 24
8.1 Definition of performance parameters 24
8.1.1 Automatic invocation of supplementary services on call to GSSI 24
8.1.2 Dynamic group address assignment 24
8.1.3 Transfer of control on the open channel operation 24

9 System performance parameters 25
9.1 Modelling of the air interface protocol 25
9.1.1 Transmission trunking mode of operation 25
9.1.2 Message trunking mode of operation 25

10 Composition of annexes 25

Annex A (informative): Group voice call scenarios (TETRA 03.52) 26

A.1 Procedures for message trunked systems 26
A.1.1 General 26
A.1.2 Call set-up 26
A.1.2.1 Traffic channel assignment 27
A.1.3 Request-to-transmit 28
A.1.4 Response to request-to-transmit 28
A.1.5 Permission to transmit withdrawn 29
A.1.6 Permission to continue with withdrawn call 29
A.1.7 End of transmission 29
A.1.8 Stop-transmission order 29
A.1.9 Call clearing 29
A.1.9.1 Mobile originated 29
A.1.9.2 SwMI originated 30

A.2 Procedures for transmission trunked systems 30

iTeh STANDARD PREVIEW
(standards.iteh.ai)
PSIST ETR 120:1999
https://standards.iteh.ai/catalog/standards/sist/25c680d4-c34c-42ad-89ae-74991e23266c/psist-etr-120-1999

PSIST ETR 120:1999

A.2.1 General ... 30
A.2.2 Call set-up ... 31
A.2.2.1 Traffic channel assignment ... 32
A.2.3 Request-to-transmit ... 32
A.2.4 Response to request-to-transmit ... 33
A.2.5 Permission to transmit withdrawn ... 34
A.2.6 Permission to continue with withdrawn call ... 34
A.2.7 End of transmission ... 34
A.2.8 Stop-transmission order ... 34
A.2.9 Call clearing ... 34
A.2.9.1 Mobile originated ... 34
A.2.9.2 SwMI originated ... 35

A.3 Procedures for quasi-transmission trunked systems ... 35
A.3.1 General ... 35
A.3.2 Call set-up ... 36
A.3.2.1 Traffic channel assignment ... 37
A.3.3 Request-to-transmit ... 37
A.3.4 Response to request-to-transmit ... 38
A.3.5 Permission to transmit withdrawn ... 39
A.3.6 Permission to continue with withdrawn call ... 39
A.3.7 End of transmission ... 39
A.3.8 Stop-transmission order ... 39
A.3.9 Call clearing ... 39
A.3.9.1 Mobile originated ... 39
A.3.9.2 SwMI originated ... 40

Annex B (informative): Supplementary Service stage 1: Access Priority (SS-AP) (TETRA 03.69) ... 41

B.1 Scope ... 41

B.2 Normative references ... 41

B.3 Definitions and abbreviations (TETRA 01.04) ... 41
B.3.1 Definitions ... 41
B.3.2 Abbreviations ... 41
B.3.2.1 General abbreviations ... 41
B.3.2.2 Supplementary service abbreviations ... 42

B.4 Supplementary Service Access Priority (SS-AP) Stage 1 specification ... 42
B.4.1 Description ... 42
B.4.1.1 General description ... 42
B.4.1.2 Qualifications on applicability to telecommunication services ... 43
B.4.2 Procedures ... 43
B.4.2.1 Provision and withdrawal ... 43
B.4.2.2 Normal procedures ... 43
B.4.2.2.1 Activation, deactivation, registration, and interrogation ... 43
B.4.2.2.1.1 Local activation and deactivation ... 43
B.4.2.2.1.2 Remote activation and deactivation ... 43
B.4.2.2.1.3 Registration ... 44
B.4.2.2.1.4 Interrogation ... 44
B.4.2.2.2 Invocation and operation ... 44
B.4.2.3 Exceptional procedures ... 44
B.4.2.3.1 Activation, deactivation, registration and interrogation ... 44
B.4.2.3.1.1 Activation and deactivation ... 44
B.4.2.3.1.2 Registration ... 45
B.4.2.3.1.3 Interrogation ... 45
B.4.2.4.1 Invocation and operation ... 45
B.4.3 Interactions with other supplementary services ... 45
B.4.3.1 Calling Line Identification Presentation (SS-CLIP) ... 45
B.4.3.2 Connected Line identification Presentation (SS-COLP) ... 45
B.4.3.3 Calling/Connected Line Identification Restriction (SS-CLIR) ... 45
B.4.3.4 Call Report (SS-CR) ... 45

iTeh STANDARD PREVIEW
(standards.iteh.ai)
PSIST ETR 120:1999
https://standards.iteh.ai/catalog/standards/sist/25c680d4-c34c-42ad-89ae-74991e23266c/psist-etr-120-1999

PSIST ETR 120:1999

B.4.3.5 Talking Party Identification (SS-TPI) 45
B.4.3.6 Call Forwarding Unconditional (SS-CFU) 45
B.4.3.7 Call Forwarding on mobile subscriber Busy (SS-CFB) 45
B.4.3.8 Call Forwarding on No Reply (SS-CFNRy) 46
B.4.3.9 Call Forwarding on mobile subscriber Not Reachable (SS-CFNRc) 46
B.4.3.10 List Search Call (SS-LSC) 46
B.4.3.11 Call Authorized by Dispatcher (SS-CAD) 46
B.4.3.12 Short Number Addressing (SS-SNA) 46
B.4.3.13 Area Selection (SS-AS) 46
B.4.3.14 Access Priority (SS-AP) 46
B.4.3.15 Priority Call (SS-PC) 46
B.4.3.16 Call Waiting (SS-CW) 46
B.4.3.17 Call Hold (SS-HOLD) 46
B.4.3.18 Call Completion to Busy Subscriber (SS-CCBS) 46
B.4.3.19 Late Entry (SS-LE) 46
B.4.3.20 Transfer of Control (SS-TC) 46
B.4.3.21 Pre-emptive Priority Call (SS-PPC) 46
B.4.3.22 Include Call (SS-IC) 46
B.4.3.23 Advice of Charge (SS-AoC) 47
B.4.3.24 Barring of Outgoing Calls (SS-BOC) 47
B.4.3.25 Barring of Incoming Calls (SS-BIC) 47
B.4.3.26 Discreet Listening (SS-DL) 47
B.4.3.27 Ambience Listening (SS-AL) 47
B.4.3.28 Dynamic Group Number Assignment (DGNA) 47
B.4.3.29 Call Completion on No Reply (SS-CCNR) 47
B.4.3.30 Call Retention (SS-CRT) 47
B.4.4 Interworking considerations 47
B.4.5 Overall SDL 47

Annex C (informative): Supplementary Service stage 1: Priority Call (SS-PC) (TETRA 03.70) 50

C.1 Scope 50

C.2 Normative references 50

C.3 Definitions, symbols and abbreviations (if any) 50
C.3.1 Definitions (TETRA 01.04) 50
C.3.2 Abbreviations (TETRA 01.04) 50
C.3.2.1 General abbreviations 50
C.3.2.2 Supplementary service abbreviations 51

C.4 Supplementary Service Priority Call (SS-PC) Stage 1 specification 51
C.4.1 Description 51
C.4.1.1 General description 51
C.4.1.2 Qualifications on applicability to telecommunication services 52
C.4.2 Procedures 52
C.4.2.1 Provision and withdrawal 52
C.4.2.2 Normal procedures 52
C.4.2.2.1 Activation, deactivation, registration, and interrogation 52
C.4.2.2.1.1 Activation and deactivation 52
C.4.2.2.1.2 Remote activation and deactivation 52
C.4.2.2.1.3 Definition 52
C.4.2.2.1.4 Registration 52
C.4.2.2.1.5 Interrogation 52
C.4.2.2.2 Invocation and operation 53
C.4.2.3 Exceptional procedures 53
C.4.2.3.1 Activation, deactivation, registration, and interrogation 53
C.4.2.3.1.1 Activation and deactivation 53
C.4.2.3.1.2 Remote activation and deactivation 53
C.4.2.3.1.3 Definition 53
C.4.2.3.1.4 Registration 53
C.4.2.3.1.5 Interrogation 53
C.4.2.3.2 Invocation and operation 54

iTeh STANDARD PREVIEW
(standards.iteh.ai)
PSIST ETR 120:1999
https://standards.iteh.ai/catalog/standards/sist/25e68044-e34e-42ad-89ae-74991e23266c/psist-etr-120-1999

PSIST ETR 120:1999

C.4.3 Interactions with other supplementary services 54
C.4.3.1 Calling Line Identification Presentation (SS-CLIP) 54
C.4.3.2 Connected Line identification Presentation (SS-COLP) 54
C.4.3.3 Calling/Connected Line Identification Restriction (SS-CLIR) 54
C.4.3.4 Call Report (SS-CR) 54
C.4.3.5 Talking Party Identification (SS-TPI) 54
C.4.3.6 Call Forwarding Unconditional (SS-CFU) 54
C.4.3.7 Call Forwarding on mobile subscriber Busy (SS-CFB) 54
C.4.3.8 Call Forwarding on No Reply (SS-CFNRy) 54
C.4.3.9 Call Forwarding on mobile subscriber Not Reachable (SS-CFNRc) 54
C.4.3.10 List Search Call (SS-LSC) 54
C.4.3.11 Call Authorized by Dispatcher (SS-CAD) 54
C.4.3.12 Short Number Addressing (SS-SNA) 55
C.4.3.13 Area Selection (SS-AS) 55
C.4.3.14 Access Priority (SS-AP) 55
C.4.3.15 Priority Call (SS-PC) 55
C.4.3.16 Call Waiting (SS-CW) 55
C.4.3.17 Call Hold (SS-HOLD) 55
C.4.3.18 Call Completion to Busy Subscriber (SS-CCBS) 55
C.4.3.19 Late Entry (SS-LE) 55
C.4.3.20 Transfer of Control (SS-TC) 55
C.4.3.21 Pre-emptive Priority Call (SS-PPC) 55
C.4.3.22 Include Call (SS-IC) 55
C.4.3.23 Advice of Charge (SS-AoC) 56
C.4.3.24 Barring of Outgoing Calls (SS-BOC) 56
C.4.3.25 Barring of Incoming Calls (SS-BIC) 56
C.4.3.26 Discreet Listening (SS-DL) 56
C.4.3.27 Ambience Listening (SS-AL) 56
C.4.3.28 Dynamic Group Number Assignment (SS-DGNA) 56
C.4.3.29 Call Completion on No Reply (SS-CCNR) 56
C.4.3.30 Call Retention (SS-CRT) 56
C.4.4 Interworking considerations 56
C.4.5 Overall SDL 57

Annex D (informative): Supplementary Service stage 1: Pre-emptive Priority Call (SS-PPC) (TETRA 03.76) 58

D.1 Scope 58

D.2 Normative references 58

D.3 Definitions and abbreviations (TETRA 01.04) 58
D.3.1 Definitions 58
D.3.2 Abbreviations 59
D.3.2.1 General abbreviations 59
D.3.2.2 Supplementary service abbreviations 59

D.4 Supplementary Service Pre-emptive Priority Call (SS-PPC) Stage 1 specification 60
D.4.1 Description 60
D.4.1.1 General description 60
D.4.1.2 Qualifications on applicability to telecommunication services 60
D.4.2 Procedures 60
D.4.2.1 Provision and withdrawal 60
D.4.2.2 Normal procedures 61
D.4.2.2.1 Activation, deactivation, registration, and interrogation 61
D.4.2.2.1.1 Activation and deactivation 61
D.4.2.2.1.2 Registration 61
D.4.2.2.1.3 Interrogation 61
D.4.2.2.2 Invocation and operation 61
D.4.2.2.2.1 Pre-empting individual call 62
D.4.2.2.2.2 Pre-empting group call 62
D.4.2.3 Exceptional procedures 63
D.4.2.3.1 Activation, deactivation, registration, and interrogation 63

iTeh STANDARD PREVIEW
(standards.iteh.ai)
PSIST ETR 120:1999
https://standards.iteh.ai/catalog/standards/sist/25c680d4-c34c-42ad-89ae-7499fe2529dc/psist-etr-120-1999

PSIST ETR 120:1999

D.4.2.3.1.1 Activation and deactivation 63
D.4.2.3.1.2 Registration 63
D.4.2.3.1.3 Interrogation 63
D.4.2.3.2 Invocation and operation 63
D.4.3 Interactions with other supplementary services 63
D.4.3.1 Calling Line Identification Presentation (SS-CLIP) 63
D.4.3.2 Connected Line identification Presentation (SS-COLP) 63
D.4.3.3 Calling/Connected Line Identification Restriction (SS-CLIR) 63
D.4.3.4 Call Report (SS-CR) 63
D.4.3.5 Talking Party Identification (SS-TPI) 63
D.4.3.6 Call Forwarding Unconditional (SS-CFU) 64
D.4.3.7 Call Forwarding on mobile subscriber Busy (SS-CFB) 64
D.4.3.8 Call Forwarding on No Reply (SS-CFNRy) 64
D.4.3.9 Call Forwarding on mobile subscriber Not Reachable (SS-CFNRc) 64
D.4.3.10 List Search Call (SS-LSC) 64
D.4.3.11 Call Authorized by Dispatcher (SS-CAD) 64
D.4.3.12 Short Number Addressing (SS-SNA) 64
D.4.3.13 Area Selection (SS-AS) 64
D.4.3.14 Access Priority (SS-AP) 64
D.4.3.15 Priority Call (SS-PC) 64
D.4.3.16 Call Waiting (SS-CW) 65
D.4.3.17 Call Hold (SS-HOLD) 65
D.4.3.18 Call Completion on Busy Subscriber (SS-CCBS) 65
D.4.3.19 Late Entry (SS-LE) 65
D.4.3.20 Transfer of Control (SS-TC) 65
D.4.3.21 Pre-emptive Priority Call (SS-PPC) 65
D.4.3.22 Include Call (SS-IC) 65
D.4.3.23 Advice of Charge (SS-AoC) 65
D.4.3.24 Barring of Outgoing Calls (SS-BOC) 66
D.4.3.25 Barring of Incoming Calls (SS-BIC) 66
D.4.3.26 Discreet Listening (SS-DL) 66
D.4.3.27 Ambience Listening (SS-AL) 66
D.4.3.28 Dynamic Group Number Assignment (SS-DGNA) 66
D.4.3.29 Call Completion on No Reply (SS-CCNR) 66
D.4.3.30 Call Retention (SS-CRT) 66
D.4.4 Interworking considerations 66
D.4.5 Overall SDL 67

Annex E (informative): Supplementary Service stage 1: Call Retention (SS-CRT) (TETRA 03.85) 70

E.1 Scope 70

E.2 Normative references 70

E.3 Definitions and abbreviations 70
E.3.1 Definitions (TETRA 01.04) 70
E.3.2 Abbreviations (TETRA 01.04) 70
E.3.2.1 General abbreviations 70
E.3.2.2 Supplementary service abbreviations 71

E.4 Supplementary Service Call Retention (SS-CRT) stage 1 specification 71
E.4.1 Description 71
E.4.1.1 General description 71
E.4.1.2 Qualifications on applicability to telecommunication services 72
E.4.2 Procedures 72
E.4.2.1 Provision and withdrawal 72
E.4.2.2 Normal procedures 72
E.4.2.2.1 Activation, deactivation, definition, registration, interrogation and cancellation 72
E.4.2.2.1.1 Activation and deactivation 72
E.4.2.2.1.2 Remote activation and deactivation 72
E.4.2.2.1.3 Definition 72
E.4.2.2.1.4 Registration 72

iTeh STANDARD PREVIEW
(standards.iteh.ai)
PSIST ETR 120:1999
https://standards.iteh.ai/catalog/standards/sist/25e680d4-c54c-42ad-89ae-74991e23266c/psist-etr-120-1999

PSIST ETR 120:1999

E.4.2.2.1.5 Interrogation 72
E.4.2.2.1.6 Cancellation 73
E.4.2.2.2 Invocation and operation 73
E.4.2.3 Exceptional procedures 73
E.4.2.3.1 Activation, deactivation, registration, and interrogation 73
E.4.2.3.1.1 Activation and deactivation 73
E.4.2.3.1.2 Remote activation and deactivation 73
E.4.2.3.1.3 Definition 73
E.4.2.3.1.4 Registration 73
E.4.2.3.1.5 Interrogation 73
E.4.2.3.2 Invocation and operation 74
E.4.2.3.2.1 Cancellation 74
E.4.3 Interactions with other supplementary services 74
E.4.3.1 Calling Line Identification Presentation (SS-CLIP) 74
E.4.3.2 Connected Line identification Presentation (SS-COLP) 74
E.4.3.3 Calling/Connected Line identification Restriction (SS-CLIR) 74
E.4.3.4 Call Report (SS-CR) 74
E.4.3.5 Talking Party Identification (SS-TPI) 74
E.4.3.6 Call Forwarding Unconditional (SS-CFU) 74
E.4.3.7 Call Forwarding on mobile subscriber Busy (SS-CFB) 74
E.4.3.8 Call Forwarding on No Reply (SS-CFNRy) 74
E.4.3.9 Call Forwarding on mobile subscriber Not Reachable (SS-CFNRc) 74
E.4.3.10 List Search Call (SS-LSC) 74
E.4.3.11 Call Authorized by Dispatcher (SS-CAD) 75
E.4.3.12 Short Number Addressing (SS-SNA) 75
E.4.3.13 Area Selection (SS-AS) 75
E.4.3.14 Access Priority (SS-AP) 75
E.4.3.15 Priority Call (SS-PC) 75
E.4.3.16 Call Waiting (SS-CW) 75
E.4.3.17 Call Hold (SS-HOLD) 75
E.4.3.18 Call Completion to Busy Subscriber (SS-CCBS) 75
E.4.3.19 Late Entry (SS-LE) 75
E.4.3.20 Transfer of Control (SS-TC) 75
E.4.3.21 Pre-emptive Priority Call (SS-PPC) 75
E.4.3.22 Include Call (SS-IC) 75
E.4.3.23 Advice of Charge (SS-AoC) 75
E.4.3.24 Barring of Outgoing Calls (SS-BOC) 75
E.4.3.25 Barring of Incoming Calls (SS-BIC) 75
E.4.3.26 Discreet Listening (SS-DL) 76
E.4.3.27 Ambience Listening (SS-AL) 76
E.4.3.28 Dynamic Group Number Assignment (SS-DGNA) 76
E.4.3.29 Call Completion on No Reply (SS-CCNR) 76
E.4.3.30 Call Retention (SS-CRT) 76
E.4.4 Interworking considerations 76
E.4.5 Overall SDL 77

Annex F (informative): Supplementary Service stage 1: Call Authorized by Dispatcher (SS-CAD) (TETRA 03.66) 78

F.1 Scope 78

F.2 Normative references 78

F.3 Definitions and abbreviations (TETRA 01.04) 78
F.3.1 Definitions 78
F.3.2 Abbreviations 78
F.3.2.1 General abbreviations 78
F.3.2.2 Supplementary service abbreviations 79

F.4 Supplementary Service Call Authorized by Dispatcher (SS-CAD) Stage 1 specification 79
F.4.1 Description 79
F.4.1.1 General description 79
F.4.1.2 Qualifications on applicability to telecommunication services 80

iTeh STANDARD PREVIEW
(standards.iteh.ai)
PSIST ETR 120:1999
https://standards.iteh.ai/catalog/standards/sist/25c680d4-c34c-42ad-89ae-7499e23266c/psist-etr-120-1999

PSIST ETR 120:1999

F.4.2 Procedures....80
F.4.2.1 Provision and withdrawal....80
F.4.2.1.1 Category of calling user....80
F.4.2.1.2 Restricted basic service....81
F.4.2.1.3 Restricted destination address....81
F.4.2.1.4 Restricted source address....81
F.4.2.1.5 Restricted area....81
F.4.2.1.6 Verification and acceptance....82
F.4.2.2 Normal procedures....82
F.4.2.2.1 Activation, deactivation, definition, registration, interrogation, and cancellation....82
F.4.2.2.1.1 Activation and deactivation....82
F.4.2.2.1.2 Definition....82
F.4.2.2.1.3 Registration....82
F.4.2.2.1.4 Interrogation....82
F.4.2.2.2 Invocation and operation....82
F.4.2.2.2.1 Outgoing calls....82
F.4.2.2.2.2 Incoming calls....83
F.4.2.2.2.3 Category of calling user....83
F.4.2.2.2.4 Restricted basic service....83
F.4.2.2.2.5 Restricted destination address....83
F.4.2.2.2.6 Restricted area....83
F.4.2.2.3 Cancellation....83
F.4.2.3 Exceptional procedures....83
F.4.2.3.1 Activation, deactivation, definition, registration, interrogation, and cancellation....83
F.4.2.3.1.1 Activation....83
F.4.2.3.1.2 Deactivation....84
F.4.2.3.1.3 Definition....84
F.4.2.3.1.4 Registration....84
F.4.2.3.1.5 Interrogation....84
F.4.2.3.2 Cancellation....85
F.4.2.3.3 Invocation and operation....85
F.4.3 Interactions with other supplementary services....85
F.4.3.1 Calling Line Identification Presentation (SS-CLIP)....85
F.4.3.2 Connected Line identification Presentation (SS-COLP)....85
F.4.3.3 Calling/Connected Line Identification Restriction (SS-CLIR)....85
F.4.3.4 Call Report....85
F.4.3.5 Talking Party Identification (SS-TPI)....85
F.4.3.6 Call Forwarding Unconditional (SS-CFU)....85
F.4.3.7 Call Forwarding on mobile subscriber Busy (SS-CFB)....85
F.4.3.8 Call Forwarding on No Reply (SS-CFNRy)....85
F.4.3.9 Call Forwarding on mobile subscriber Not Reachable (SS-CFNRc)....85
F.4.3.10 List Search Call (SS-LSC)....85
F.4.3.11 Call authorized by dispatcher....85
F.4.3.12 Short Number Addressing (SS-SNA)....85
F.4.3.13 Area Selection (SS-AS)....86
F.4.3.14 Access Priority (SS-AP)....86
F.4.3.15 Priority Call (SS-PC)....86
F.4.3.16 Call Waiting (SS-CW)....86
F.4.3.17 Call Hold (SS-HOLD)....86
F.4.3.18 Call Completion to Busy Subscriber (SS-CCBS)....86
F.4.3.19 Late Entry (SS-LE)....86
F.4.3.20 Transfer of Control (SS-TC)....86
F.4.3.21 Pre-emptive Priority Call (SS-PPC)....86
F.4.3.22 Include Call (SS-IC)....86
F.4.3.23 Advice of Charge (SS-AoC)....86
F.4.3.24 Barring of Outgoing Calls (SS-BOC)....86
F.4.3.25 Barring of Incoming Calls (SS-BIC)....86
F.4.3.26 Discreet Listening (SS-DL)....87
F.4.3.27 Ambience Listening (SS-AL)....87
F.4.3.28 Dynamic Group Number Assignment (SS-DGNA)....87
F.4.3.29 Call Completion on No Reply (SS-CCNR)....87

iTeh STANDARD PREVIEW
(standards.iteh.ai)
PSIST ETR 120:1999
https://standards.iteh.ai/catalog/standards/sist/25c0b0d1-c34c-42ad-89ae-7499f2252e6c/psist-etr-120-1999

PSIST ETR 120:1999

F.4.3.30 Call Retention 87
F.4.4 Interworking considerations 87
F.4.5 Overall SDL 88

Annex G (informative): Supplementary Service stage 1: Late Entry (SS-LE) (TETRA 03.74) 90

G.1 Scope 90

G.2 Normative references 90

G.3 Definitions and abbreviations (TETRA 01.04) 90
G.3.1 Definitions 90
G.3.2 Abbreviations 91
G.3.2.1 General abbreviations 91
G.3.2.2 Supplementary service abbreviations 91

G.4 Supplementary Service Late Entry (SS-LE) Stage 1 specification 92
G.4.1 Description 92
G.4.1.1 General description 92
G.4.1.2 Qualifications on applicability to telecommunication services 92
G.4.2 Procedures 92
G.4.2.1 Provision and withdrawal 92
G.4.2.2 Normal procedures 92
G.4.2.2.1 Activation, deactivation, definition, registration, interrogation, and cancellation 92
G.4.2.2.1.1 Activation and deactivation 92
G.4.2.2.1.2 Definition 92
G.4.2.2.1.3 Registration 93
G.4.2.2.1.4 Interrogation 93
G.4.2.2.1.5 Cancellation 93
G.4.2.2.2 Invocation and operation 93
G.4.2.2.2.1 Invocation 93
G.4.2.2.2.2 Operation 93
G.4.2.3 Exceptional procedures 93
G.4.2.3.1 Activation, deactivation, definition, registration, interrogation, and cancellation 93
G.4.2.3.1.1 Activation and deactivation 93
G.4.2.3.1.2 Definition 94
G.4.2.3.1.3 Registration 94
G.4.2.3.1.4 Interrogation 94
G.4.2.3.1.5 Cancellation 94
G.4.2.3.2 Invocation and operation 94
G.4.2.3.2.1 Invocation 94
G.4.2.3.2.2 Operation 94
G.4.3 Interactions with other supplementary services 94
G.4.3.1 Calling Line Identification Presentation (SS-CLIP) 94
G.4.3.2 Connected Line identification Presentation (SS-COLP) 94
G.4.3.3 Calling/Connected Line Identification Restriction (SS-CLIR) 94
G.4.3.4 Call Report (SS-CR) 94
G.4.3.5 Talking Party Identification (SS-TPI) 95
G.4.3.6 Call Forwarding Unconditional (SS-CFU) 95
G.4.3.7 Call Forwarding on mobile subscriber Busy (SS-CFB) 95
G.4.3.8 Call Forwarding on No Reply (SS-CFNRy) 95
G.4.3.9 Call Forwarding on mobile subscriber Not Reachable (SS-CFNRc) 95
G.4.3.10 List Search Call (SS-LSC) 95
G.4.3.11 Call Authorized by Dispatcher (SS-CAD) 95
G.4.3.12 Short Number Addressing (SS-SNA) 95
G.4.3.13 Area Selection (SS-AS) 95
G.4.3.14 Access Priority (SS-AP) 95
G.4.3.15 Priority Call (SS-PC) 95
G.4.3.16 Call Waiting (SS-CW) 95
G.4.3.17 Call Hold (SS-HOLD) 95
G.4.3.18 Call Completion to Busy Subscriber (SS CCBS) 95

iTeh STANDARD PREVIEW
(standards.iteh.ai)
PSIST ETR 120:1999
https://standards.iteh.ai/catalog/standards/sist/25c680d4-c34c-42ad-89ae-74

PSIST ETR 120:1999

G.4.3.19 Late Entry (SS-LE) 96
G.4.3.20 Transfer of Control (SS-TC) 96
G.4.3.21 Pre-emptive Priority Call (SS-PPC) 96
G.4.3.22 Include Call (SS-IC) 96
G.4.3.23 Advice of Charge (SS-AoC) 96
G.4.3.24 Barring of Outgoing Calls (SS-BOC) 96
G.4.3.25 Barring of Incoming Calls (SS-BIC) 96
G.4.3.26 Discreet Listening (SS-DL) 96
G.4.3.27 Ambience Listening (SS-AL) 96
G.4.3.28 Dynamic Group Number Assignment (SS-DGNA) 96
G.4.3.29 Call Completion on No Reply (SS-CCNR) 96
G.4.3.30 Call Retention (SS-CR) 96
G.4.4 Interworking considerations 96
G.4.5 Overall SDL 96

Annex H (informative): Supplementary Service stage 1: Dynamic Group Number Assignment (SS-DGNA) (TETRA 03.83) 98

H.1 Scope 98

H.2 Normative references 98

H.3 Definitions and abbreviations (TETRA 01.04) 98
H.3.1 Definitions 98
H.3.2 Abbreviations 99
H.3.2.1 General abbreviations 99
H.3.2.2 Supplementary service abbreviations 99

H.4 Supplementary Service Dynamic Group Number Assignment (SS-DGNA) Stage 1 specification 100
H.4.1 Description 100
H.4.1.1 General description 100
H.4.1.2 Qualifications on applicability to telecommunication services 100
H.4.2 Procedures 100
H.4.2.1 Provision and withdrawal 100
H.4.2.2 Normal procedures 100
H.4.2.2.1 Activation, deactivation, definition, registration, interrogation, and cancellation 100
H.4.2.2.1.1 Activation and deactivation 100
H.4.2.2.1.2 Definition 100
H.4.2.2.1.3 Registration 101
H.4.2.2.1.4 Interrogation 101
H.4.2.2.1.5 Cancellation 101
H.4.2.2.2 Invocation and operation 101
H.4.2.3 Exceptional procedures 102
H.4.2.3.1 Activation, deactivation, definition, registration, interrogation, and cancellation 102
H.4.2.3.1.1 Activation and deactivation 102
H.4.2.3.1.2 Definition 102
H.4.2.3.1.3 Registration 102
H.4.2.3.1.4 Interrogation 102
H.4.2.3.1.5 Cancellation 102
H.4.2.3.2 Invocation and operation 102
H.4.3 Interactions with other supplementary services 103
H.4.3.1 Calling Line Identification Presentation (SS-CLIP) 103
H.4.3.2 Connected Line identification Presentation (SS-COLP) 103
H.4.3.3 Calling/Connected Line Identification Restriction (SS-CLIR) 103
H.4.3.4 Call Report (SS-CR) 103
H.4.3.5 Talking Party Identification (SS-TPI) 103
H.4.3.6 Call Forwarding Unconditional (SS-CFU) 103
H.4.3.7 Call Forwarding on mobile subscriber Busy (SS-CFB) 103
H.4.3.8 Call Forwarding on No Reply (SS-CFNRy) 103
H.4.3.9 Call Forwarding on mobile subscriber Not Reachable (SS-CFNRc) 103
H.4.3.10 List Search Call (SS-LSC) 103

iTeh STANDARD PREVIEW
(standards.iteh.ai)
PSIST ETR 120:1999
https://standards.iteh.ai/catalog/standards/sist/25c680d4-c34c-42ad-89ae-1091f2e2e6c/psist-etr-120-1999

PSIST ETR 120:1999

H.4.3.11 Call Authorized by Dispatcher (SS-CAD) ... 103
H.4.3.12 Short Number Addressing (SS-SNA) ... 103
H.4.3.13 Area Selection (SS-AS) ... 103
H.4.3.14 Access Priority (SS-AP) ... 104
H.4.3.15 Priority Call (SS-PC) ... 104
H.4.3.16 Call Waiting (SS-CW) ... 104
H.4.3.17 Call Hold (SS-HOLD) ... 104
H.4.3.18 Call Completion to Busy Subscriber (SS-CCBS) ... 104
H.4.3.19 Late Entry (SS-LE) ... 104
H.4.3.20 Transfer of Control (SS-TC) ... 104
H.4.3.21 Pre-emptive Priority Call (SS-PPC) ... 104
H.4.3.22 Include Call (SS-IC) ... 104
H.4.3.23 Advice of Charge (SS-AoC) ... 104
H.4.3.24 Barring of Outgoing Calls (SS-BOC) ... 104
H.4.3.25 Barring of Incoming Calls (SS-BIC) ... 104
H.4.3.26 Discreet Listening (SS-DL) ... 104
H.4.3.27 Ambience Listening (SS-AL) ... 104
H.4.3.28 Dynamic Group Number Assignment (SS-DGNA) ... 104
H.4.3.29 Call Completion on No Reply (SS-CCNR) ... 105
H.4.3.30 Call Retention (SS-CR) ... 105
H.4.4 Interworking considerations ... 105
H.4.5 Overall SDL ... 106

Annex J (informative): Supplementary Service stage 1: Transfer of Control (SS-TC) (TETRA 03.75) 107

J.1 Scope ... 107

J.2 Normative references ... 107

J.3 Definitions and abbreviations (TETRA 01.04) ... 107
J.3.1 Definitions ... 107
J.3.2 Abbreviations ... 108
J.3.2.1 General abbreviations ... 108
J.3.2.2 Supplementary service abbreviations ... 108

J.4 Supplementary Service Transfer of Control (SS-TC) Stage 1 specification ... 109
J.4.1 Description ... 109
J.4.1.1 General description ... 109
J.4.1.2 Qualifications on applicability to telecommunication services ... 109
J.4.2 Procedures ... 109
J.4.2.1 Provision and withdrawal ... 109
J.4.2.2 Normal procedures ... 109
J.4.2.2.1 Activation, deactivation, registration and interrogation ... 109
J.4.2.2.1.1 Activation ... 109
J.4.2.2.1.2 Deactivation ... 109
J.4.2.2.1.3 Registration ... 109
J.4.2.2.1.4 Interrogation ... 109
J.4.2.2.2 Invocation and operation ... 109
J.4.2.3 Exceptional procedures ... 110
J.4.2.3.1 Activation, deactivation, registration, and interrogation ... 110
J.4.2.3.1.1 Activation ... 110
J.4.2.3.1.2 Deactivation ... 110
J.4.2.3.1.3 Registration ... 110
J.4.2.3.1.4 Interrogation ... 110
J.4.2.3.2 Invocation and operation ... 110
J.4.3 Interactions with other supplementary services ... 110
J.4.3.1 Calling Line Identification Presentation (SS-CLIP) ... 110
J.4.3.2 Connected Line identification Presentation (SS-COLP) ... 111
J.4.3.3 Calling/Connected Line Identification Restriction (SS-CLIR) ... 111
J.4.3.4 Call Report (SS-CR) ... 111
J.4.3.5 Talking Party Identification (SS-TPI) ... 111
J.4.3.6 Call Forwarding Unconditional (SS-CFU) ... 111
J.4.3.7 Call Forwarding on mobile subscriber Busy (SS-CFB) ... 111

iTeh STANDARD PREVIEW
(standards.iteh.ai)
PSIST ETR 120:1999
https://standards.iteh.ai/catalog/standards/sist/25e680d4-e34e-42ad-89ae-74991e23266c/psist-etr-120-1999

PSIST ETR 120:1999

J.4.3.8 Call Forwarding on No Reply (SS-CFNRy) 111
J.4.3.9 Call Forwarding on mobile subscriber Not Reachable (SS-CFNRc) 111
J.4.3.10 List Search Call (SS-LSC) 111
J.4.3.11 Call Authorized by Dispatcher (SS-CAD) 111
J.4.3.12 Short Number Addressing (SS-SNA) 111
J.4.3.13 Area Selection (SS-AS) 111
J.4.3.14 Access Priority (SS-AP) 111
J.4.3.15 Priority Call (SS-PC) 111
J.4.3.16 Call Waiting (SS-CW) 111
J.4.3.17 Call Hold (SS-HOLD) 112
J.4.3.18 Call Completion to Busy Subscriber (SS-CCBS) 112
J.4.3.19 Late Entry (SS-LE) 112
J.4.3.20 Transfer of Control (SS-TC) 112
J.4.3.21 Pre-emptive Priority Call (SS-PPC) 112
J.4.3.22 Include Call (SS-IC) 112
J.4.3.23 Advice of Charge (SS-AoC) 112
J.4.3.24 Barring of Outgoing Calls (SS-BOC) 112
J.4.3.25 Barring of Incoming Calls (SS-BIC) 112
J.4.3.26 Discreet Listening (SS-DL) 112
J.4.3.27 Ambience Listening (SS-AL) 112
J.4.3.28 Dynamic Group Number Assignment (SS-DGNA) 112
J.4.3.29 Call Completion on No Reply (SS-CCNR) 112
J.4.3.30 Call Retention (SS-CRT) 112
J.4.4 Interworking considerations 112
J.4.5 Overall SDL 113

History 114

iTeh STANDARD PREVIEW
(standards.iteh.ai)

PSIST ETR 120:1999
https://standards.iteh.ai/catalog/standards/sist/25c680d4-c34c-42ad-89ae-74991e23266c/psist-etr-120-1999