



**SLOVENSKI STANDARD**  
**SIST EN 300 444 V2.5.1:2017**  
**01-december-2017**

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**Digitalne izboljšane brezvrvične telekomunikacije (DECT) - Profil generičnega dostopa (GAP)**

Digital Enhanced Cordless Telecommunications (DECT) - Generic Access Profile (GAP)

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# ETSI EN 300 444 V2.5.1 (2017-10)



**Digital Enhanced Cordless Telecommunications (DECT);  
Generic Access Profile (GAP)  
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**ETSI**

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# Contents

Intellectual Property Rights .....	11
Foreword.....	11
Modal verbs terminology.....	11
1 Scope .....	12
2 References .....	12
2.1 Normative references .....	12
2.2 Informative references.....	13
3 Definitions, symbols and abbreviations .....	13
3.1 Definitions.....	13
3.2 Symbols.....	16
3.3 Abbreviations .....	16
4 Feature definitions.....	18
4.0 General .....	18
4.1 NetWorK (NWK) features .....	18
4.2 Speech coding and audio features .....	20
4.3 Application features .....	21
5 Service definitions.....	21
5.0 General .....	21
5.1 DLC service definitions.....	21
5.2 MAC service definitions .....	22
6 Inter-operability requirements.....	23
6.1 General .....	23
6.2 NWK features.....	24
6.3 DLC services.....	25
6.4 MAC services.....	25
6.5 Physical Layer (PHL) services.....	26
6.6 Application features .....	26
6.7 Speech coding and audio features .....	26
6.8 Feature/service to procedure mapping.....	27
6.8.1 NWK feature to procedure mapping.....	27
6.8.2 DLC service to procedure mapping .....	30
6.8.3 MAC service to procedure mapping .....	31
6.8.4 Application feature to procedure mapping.....	32
6.8.5 Speech coding and audio feature to procedure mapping.....	32
6.9 General requirements .....	32
6.9.1 NWK layer message contents .....	32
6.9.2 Transaction identifier.....	32
6.9.3 Length of a NWK layer message .....	32
6.9.4 Handling of error and exception conditions.....	32
6.9.5 GAP default setup attributes .....	33
6.9.6 Coexistence of MM and CC procedures.....	33
6.9.7 Coding rules for information elements .....	33
7 Procedure description.....	33
8 NWK layer procedures.....	34
8.0 General .....	34
8.1 Summary of outgoing call messages, normal cases.....	34
8.2 Outgoing call request.....	36
8.2.0 Procedure .....	36
8.2.1 Associated procedures .....	36
8.2.1.1 Timer P-<CC.03> management .....	36
8.2.2 Exceptional cases.....	37
8.2.2.1 Timer P-<CC.03> expiry .....	37

8.2.2.2	PT releases the outgoing call request .....	37
8.2.2.3	FT rejects the outgoing call request .....	38
8.3	Overlap sending .....	38
8.3.0	Procedure .....	38
8.3.1	Associated procedure .....	39
8.3.1.1	Timer F-<CC.01> management .....	39
8.3.2	Exceptional cases .....	39
8.3.2.1	PT releases the outgoing call request .....	39
8.3.2.2	FT rejects the outgoing call request .....	39
8.3.2.3	Timer F-<CC.01> expiry .....	40
8.3.2.4	FT releases the outgoing call request .....	40
8.4	Outgoing call proceeding .....	40
8.4.0	Procedure .....	40
8.4.1	Exceptional cases .....	41
8.4.1.1	PT releases the outgoing call request .....	41
8.4.1.2	FT releases the outgoing call request .....	41
8.5	Outgoing call confirmation .....	42
8.5.0	Procedure .....	42
8.5.1	Exceptional cases .....	42
8.5.1.1	PT releases the outgoing call request .....	42
8.5.1.2	FT releases the outgoing call request .....	43
8.6	Outgoing call connection .....	43
8.7	Normal call release .....	44
8.7.0	Procedure .....	44
8.7.1	Associated procedures .....	45
8.7.1.1	Timer P-<CC.02> management .....	45
8.7.1.2	Timer F-<CC.02> management .....	45
8.7.2	Exceptional cases .....	45
8.7.2.1	Release collisions .....	45
8.7.2.2	Timer F-<CC.02> expiry .....	46
8.7.2.3	Timer P-<CC.02> expiry .....	47
8.8	Abnormal call release .....	47
8.9	Partial release .....	48
8.10	Sending keypad information .....	49
8.11	Summary of incoming call related messages, normal cases .....	50
8.12	Incoming call request .....	50
8.12.0	Procedure .....	50
8.12.1	Associated procedure .....	51
8.12.1.1	Timer F-<CC.03> management .....	51
8.12.2	Exceptional cases .....	52
8.12.2.1	FT releases the incoming call request .....	52
8.12.2.2	PT rejects the incoming call request .....	52
8.12.2.3	Timer F-<CC.03> expiry .....	53
8.12.3	Collective and group ringing .....	53
8.13	Incoming call confirmation .....	53
8.13.0	Procedure .....	53
8.13.1	Exceptional cases .....	54
8.13.1.1	FT releases the incoming call transaction .....	54
8.13.1.2	PT releases the incoming call transaction .....	54
8.14	PT alerting .....	55
8.15	Incoming call connection .....	55
8.15.0	Procedure .....	55
8.15.1	Associated procedure .....	56
8.15.1.1	Timer P-<CC.05> management .....	56
8.15.2	Exceptional cases .....	56
8.15.2.1	FT releases the incoming call transaction .....	56
8.15.2.2	PT releases the incoming call transaction .....	57
8.15.2.3	Timer P-<CC.05> expiry .....	57
8.16	Display .....	58
8.17	Terminal capability indication .....	58
8.18	Internal call setup .....	60
8.19	Internal call keypad .....	60

8.20	Service call setup.....	60
8.21	Service call keypad.....	61
8.22	Identification of PP.....	61
8.22.0	Procedure.....	61
8.22.1	Associated procedure.....	62
8.22.1.1	Timer F-<MM_ident.2> management.....	62
8.22.2	Exceptional cases.....	62
8.22.2.1	Identity not existing in the PT.....	62
8.22.2.2	Timer F-<MM_ident.2> expiry.....	62
8.23	Authentication of FT using DSAA.....	63
8.23.0	Procedure.....	63
8.23.1	Associated procedure.....	64
8.23.1.1	Timer P-<MM_auth.1> management.....	64
8.23.2	Exceptional cases.....	64
8.23.2.1	Authentication algorithm/key not supported.....	64
8.23.2.2	FT Authentication failure (authentication challenge RES2 has wrong value).....	64
8.23.2.3	Timer P-<MM_auth.1> expiry.....	65
8.24	Authentication of PP using DSAA.....	65
8.24.0	Procedure.....	65
8.24.1	Associated procedure.....	67
8.24.1.1	Timer F-<MM_auth.1> management.....	67
8.24.2	Exceptional cases.....	67
8.24.2.1	Authentication algorithm/key not supported.....	67
8.24.2.2	Timer F-<MM_auth.1> expiry.....	67
8.23.2.3	PP Authentication failure (authentication challenge RES1 has wrong value).....	67
8.25	Authentication of user using DSAA.....	68
8.25.0	Procedure.....	68
8.25.1	Associated procedure.....	68
8.25.1.1	Timer F-<MM_auth.2> management.....	68
8.25.2	Exceptional cases.....	69
8.25.2.1	Authentication algorithm/key not supported.....	69
8.25.2.2	Timer F-<MM_auth.2> expiry.....	69
8.26	Incrementing the ZAP value.....	69
8.27	Storing the DCK.....	70
8.28	Location registration.....	70
8.28.0	Procedure.....	70
8.28.1	Associated procedures.....	72
8.28.1.1	Timer P-<MM_locate.1> management.....	72
8.28.1.2	Timer F-<MM_ident.1> management.....	72
8.28.2	Exceptional cases.....	72
8.28.2.1	FT rejects the location registration procedure.....	72
8.28.2.2	Failure of location registration procedure.....	73
8.28.2.3	PT rejects the identity assignment.....	73
8.28.2.4	Timer F-<MM_identity.1> expiry.....	73
8.29	Location update.....	73
8.30	Obtaining access rights.....	75
8.30.0	Procedure.....	75
8.30.1	Associated procedure.....	76
8.30.1.1	Timer P-<MM_access.1> management.....	76
8.30.2	Exceptional cases.....	77
8.30.2.1	FT rejects the access rights.....	77
8.30.2.2	Timer P-<MM_access.1> expiry.....	77
8.31	FT terminating access rights.....	77
8.31.0	Procedure.....	77
8.31.1	Associated procedure.....	78
8.31.1.1	Timer F-<MM_access.2> management.....	78
8.31.2	Exceptional cases.....	79
8.31.2.1	PT rejects the termination request.....	79
8.31.2.2	Timer F-<MM_access.2> expiry.....	79
8.32	Key allocation.....	79
8.32.0	Procedure.....	79
8.32.1	Associated procedures.....	81

8.32.1.1	Timer F-<MM_key.1> management.....	81
8.32.1.2	Timer P-<MM_auth.1> management.....	81
8.32.2	Exceptional cases.....	81
8.32.2.1	Timer F-<MM_key.1> expiry.....	81
8.32.2.2	Timer P-<MM_auth.1> expiry.....	81
8.32.2.3	Allocation-type element is unacceptable.....	82
8.32.2.4	Authentication of PT fails.....	82
8.32.2.5	Authentication of FT fails.....	82
8.33	Cipher-switching initiated by FT using DSC.....	83
8.33.0	Procedure.....	83
8.33.1	Associated procedure.....	84
8.33.1.1	Timer F-<MM_cipher.1> management.....	84
8.33.2	Exceptional cases.....	84
8.33.2.1	PT rejects the cipher request.....	84
8.33.2.2	Timer F-<MM_cipher.1> expiry.....	85
8.34	Cipher-switching initiated by PT using DSC.....	85
8.34.0	Procedure.....	85
8.34.1	Associated procedure.....	86
8.34.1.1	Timer P-<MM_cipher.2> management.....	86
8.34.2	Exceptional cases.....	86
8.34.2.1	FT rejects the cipher request.....	86
8.34.2.2	Timer P-<MM_cipher.2> expiry.....	87
8.35	Indirect FT initiated link establishment.....	87
8.35.0	Procedure.....	87
8.35.1	Associated procedure.....	88
8.35.1.1	Timer F-<LCE.03> management.....	88
8.35.2	Exceptional cases.....	89
8.35.2.1	The IPUI received in the {LCE-PAGE-RESPONSE} does not match.....	89
8.35.2.2	Timer <LCE.03> expiry.....	89
8.35.2.3	Release from the higher entity.....	90
8.36	Direct PT initiated link establishment.....	90
8.36.0	Procedure.....	90
8.36.1	Exceptional case.....	91
8.36.1.1	Link establishment failure.....	91
8.37	Link release "normal".....	92
8.37.0	Procedure.....	92
8.37.1	Associated procedure.....	93
8.37.1.1	Timer <LCE.01> management.....	93
8.37.2	Exceptional cases.....	93
8.37.2.1	Timer <LCE.01> expiry.....	93
8.37.2.2	Outstanding data has been discarded.....	94
8.38	Link release "abnormal".....	94
8.39	Link release "maintain".....	94
8.39.0	Procedure.....	94
8.39.1	Associated procedure.....	95
8.39.1.1	Timer <LCE.02> management.....	95
8.40	Enhanced FT initiated U- plane connection.....	95
8.41	Calling Line Identification Presentation (CLIP) Indication.....	96
8.42	Calling Name Identification Presentation (CNIP) Indication.....	96
8.43	Internal Call Calling Line Identification Presentation (CLIP).....	97
8.44	Internal Call Calling Name Identification Presentation (CNIP).....	98
8.45	Enhanced security procedures.....	99
8.45.0	General.....	99
8.45.1	Encryption of all calls.....	100
8.45.2	Re-keying during a call.....	100
8.45.3	Early encryption.....	101
8.45.4	Subscription requirements.....	102
8.45.5	Enhanced security regarding legacy devices.....	103
8.45.5.0	General.....	103
8.45.5.1	Behaviour of FPs regarding legacy PPs.....	103
8.45.5.2	Behaviour of PPs regarding legacy FPs.....	103
8.45.5.3	Behaviour regarding legacy 'repeater' devices.....	104



8.45.6	Authentication of FT using DSAA2 .....	105
8.45.6.0	Procedure .....	105
8.45.6.1	Associated procedure .....	106
8.45.6.1.1	Timer P-<MM_auth.1> management .....	106
8.45.6.2	Exceptional cases .....	107
8.45.6.2.1	Authentication algorithm/key not supported .....	107
8.45.6.2.2	FT Authentication failure (authentication challenge RES2 has wrong value).....	107
8.45.6.2.3	Timer P-<MM_auth.1> expiry .....	107
8.45.7	Authentication of PP using DSAA2 .....	107
8.45.7.0	Procedure .....	107
8.45.7.1	Associated procedure .....	110
8.45.7.1.1	Timer F-<MM_auth.1> management .....	110
8.45.7.2	Exceptional cases .....	110
8.45.7.2.1	Authentication algorithm/key not supported .....	110
8.45.7.2.2	Timer F-<MM_auth.1> expiry .....	110
8.45.7.2.3	PP Authentication failure (authentication challenge RES1 has wrong value).....	110
8.45.8	Authentication of user using DSAA2 .....	111
8.45.8.0	Procedure .....	111
8.45.8.1	Associated procedure .....	111
8.45.8.1.1	Timer F-<MM_auth.2> management .....	111
8.45.8.2	Exceptional cases .....	112
8.45.8.2.1	Authentication algorithm/key not supported .....	112
8.45.8.2.2	Timer F-<MM_auth.2> expiry .....	112
8.45.9	Key allocation using DSAA2.....	112
8.45.9.0	Procedure .....	112
8.45.9.1	Associated procedures.....	114
8.45.9.1.1	Timer F-<MM_key.1> management.....	114
8.45.9.1.2	Timer P-<MM_auth.1> management .....	114
8.45.9.2	Exceptional cases .....	115
8.45.9.2.1	Timer F-<MM_key.1> expiry .....	115
8.45.9.2.2	Timer P-<MM_auth.1> expiry .....	115
8.45.9.2.3	Allocation-type element is unacceptable .....	115
8.45.9.2.4	Authentication of PT fails.....	115
8.45.9.2.5	Authentication of FT fails.....	116
8.45.10	Cipher-switching initiated by FT using DSC2.....	116
8.45.10.0	Procedure .....	116
8.45.10.1	Associated procedure .....	117
8.45.10.1.1	Timer F-<MM_cipher.1> management .....	117
8.45.10.2	Exceptional cases .....	117
8.45.10.2.1	PT rejects the cipher request.....	117
8.45.10.2.2	Timer F-<MM_cipher.1> expiry .....	118
8.45.11	Cipher-switching initiated by PT using DSC2.....	118
8.45.11.0	Procedure .....	118
8.45.11.1	Associated procedure .....	120
8.45.11.1.1	Timer P-<MM_cipher.2> management .....	120
8.45.11.2	Exceptional cases .....	120
8.45.11.2.1	FT rejects the cipher request.....	120
8.45.11.2.2	Timer P-<MM_cipher.2> expiry .....	120
8.45.12	Additional procedures for devices supporting DSC2.....	121
8.45.12.1	General .....	121
8.45.12.2	Support of additional octet in <<AUTH-TYPE>>.....	121
9	DLC layer procedures .....	121
9.1	Class A link establishment .....	121
9.1.0	Procedure .....	121
9.1.1	Associated procedures .....	123
9.1.1.1	Timer P<DL.07> management.....	123
9.1.1.2	Re-transmission counter management.....	123
9.1.1.3	Multiple frame operation variables management.....	123
9.1.1.4	Lower Layer Management Entity (LLME) establishment of a MAC connection.....	123
9.1.2	Exceptional cases.....	124
9.1.2.1	Timer P<DL.07> expiry.....	124

9.1.2.2	Receipt of a request for link release .....	125
9.1.2.3	Receipt of an indication for a connection release .....	125
9.2	Class A Acknowledged Information transfer .....	125
9.2.0	Procedure .....	125
9.2.1	Acknowledgement with an I_frame .....	125
9.2.2	Acknowledgement with a RR_frame .....	126
9.2.3	Class A acknowledged information transfer with segment reassemble .....	127
9.2.4	Associated procedures .....	127
9.2.4.1	Timer <DL.04> management .....	127
9.2.4.2	Re-transmission counter management .....	127
9.2.4.3	Multiple frame operation variables management .....	127
9.2.5	Exceptional cases .....	128
9.2.5.1	Timer <DL.04> expiry .....	128
9.2.5.2	Receipt of a request for link release .....	128
9.2.5.3	Receipt of an indication for a connection release .....	128
9.2.5.4	DLC wants to make a connection handover .....	128
9.3	Class A link release .....	128
9.3.0	Procedure .....	128
9.3.1	Associated procedures .....	129
9.3.1.1	LLME U-plane release .....	129
9.3.1.2	LLME release a MAC connection .....	129
9.4	Class A link re-establishment .....	129
9.5	C <sub>S</sub> channel fragmentation and recombination .....	129
9.6	Normal broadcast .....	129
9.7	Class A basic connection handover .....	130
9.7.0	Procedure .....	130
9.7.1	Voluntary handover .....	131
9.7.2	Associated procedure .....	131
9.7.2.1	LLME connection handover management .....	131
9.7.3	Exceptional case .....	131
9.7.3.1	Receipt of a request for link release .....	131
9.8	Encryption switching .....	131
9.8.0	Procedure .....	131
9.8.1	Associated procedure .....	132
9.8.1.1	Providing Encryption key to the MAC layer .....	132
9.8.2	Exceptional cases .....	132
9.8.2.1	Encryption fails .....	132
9.8.2.2	Connection handover of ciphered connections .....	132
9.9	U-plane class 0/min delay .....	132
9.9.0	Procedure .....	132
9.9.1	Associated procedure .....	132
9.9.1.1	LLME U-plane establishment .....	132
9.10	FU1 frame operation .....	133
10	MAC layer procedures .....	133
10.1	General .....	133
10.2	Downlink broadcast .....	134
10.2.0	Procedure .....	134
10.2.1	N <sub>T</sub> message .....	134
10.2.2	Q <sub>T</sub> - static system information .....	134
10.2.3	Q <sub>T</sub> - FP capabilities .....	135
10.2.3.0	Q <sub>T</sub> - FP capabilities .....	135
10.2.3.1	Q <sub>T</sub> - Extended FP capabilities .....	135
10.2.3.2	Q <sub>T</sub> - Extended FP capabilities (part 2) .....	135
10.2.4	Q <sub>T</sub> - SARI list contents .....	136
10.3	Paging broadcast .....	136
10.3.0	Procedure .....	136
10.3.1	Short page, normal/extended paging .....	137
10.3.2	Zero page, normal/extended paging .....	137
10.3.3	Blind slot information .....	138
10.3.4	Bearer handover information .....	138
10.4	Setup of basic connection, basic bearer setup (A-field) .....	138

10.4.0	Procedure .....	138
10.4.1	M <sub>T</sub> message.....	139
10.4.2	Associated procedures .....	139
10.4.2.1	Timer T200 management .....	139
10.4.2.2	Counter N200 management.....	139
10.4.3	Exceptional cases.....	140
10.4.3.1	Bearer setup attempt fails N200+1 times .....	140
10.4.3.2	Timer T200 expiry .....	141
10.5	Connection/bearer release .....	141
10.5.0	Procedure .....	141
10.5.1	M <sub>T</sub> message.....	142
10.6	Bearer handover request.....	142
10.6.0	Procedure .....	142
10.6.1	M <sub>T</sub> message.....	142
10.7	Connection handover request .....	142
10.7.0	Procedure .....	142
10.7.1	M <sub>T</sub> message.....	143
10.8	C <sub>S</sub> channel data.....	143
10.9	Q2 bit setting .....	143
10.10	RFPI handshake.....	143
10.11	Antenna diversity .....	143
10.12	Sliding collision.....	143
10.13	Encryption process - initialization and synchronization.....	143
10.14	Encryption mode control .....	144
10.14.0	Procedure .....	144
10.14.1	M <sub>T</sub> message.....	144
10.15	Handover encryption process .....	145
10.16	Extended frequency allocation .....	145
10.17	Re-keying .....	145
10.18	Early Encryption .....	145
10.19	AES/DSC2 Encryption.....	145
11	Physical Layer (PHL) requirements.....	145
11.1	General .....	145
11.2	Minimum Normal Transmit Power (NTP) .....	145
11.3	Radio receiver sensitivity .....	146
11.4	Z-field.....	146
11.5	Sliding collision detection .....	146
11.6	Physical channel availability .....	146
11.7	Synchronization window .....	146
12	Requirements regarding the speech transmission.....	146
12.1	General .....	146
12.2	User controlled volume control.....	146
13	Management procedures.....	147
13.1	Management of MM procedures .....	147
13.2	Location registration initiation .....	147
13.3	Assigned individual TPUI management.....	147
13.4	PMID management.....	147
13.5	DCK management .....	148
13.6	Broadcast attributes management.....	148
13.6.0	Procedure .....	148
13.6.1	Higher layer capabilities .....	148
13.6.2	Extended higher layer capabilities .....	148
13.6.3	Extended higher layer capabilities (part 2) .....	149
13.7	Storage of subscription related data .....	149
14	Application procedures.....	150
14.1	Subscription control .....	150
14.2	AC to bitstring mapping .....	150
14.3	Manual entry of the PARK.....	150
14.4	Terminal Identity number assignment in mono cell system.....	151

STANDARD PREVIEW  
(standards.iteh.ai)

[SIST EN 300 444 V2.5.1:2017](https://standards.iteh.ai/catalog/standards/sist/b18a1cc-f475-46e2-8cc6-uc61da028f1e/sist-en-300-444-v2-5-1-2017)

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14.4.1	General.....	151
14.4.2	Procedure description .....	151
14.4.3	Related Procedures .....	152
<b>Annex A (informative):</b>	<b>PP locking procedure for on-air subscription.....</b>	<b>153</b>
<b>Annex B (informative):</b>	<b>Tones, progress indicator and U-plane connection.....</b>	<b>155</b>
B.1	General .....	155
B.2	Connection of U-plane and provision of tones.....	155
B.3	Provision of tones before connection of the U-plane .....	155
B.4	Provision of tones and <<Progress indicator>> information element.....	155
B.5	Summary .....	156
<b>Annex C (normative):</b>	<b>Synchronization requirements for fixed parts .....</b>	<b>157</b>
<b>Annex D (informative):</b>	<b>Change history .....</b>	<b>158</b>
History .....		159

## iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN 300 444 V2.5.1:2017](https://standards.iteh.ai/catalog/standards/sist/fb18a1cc-f475-46e2-8cc6-ac61da028f1c/sist-en-300-444-v2-5-1-2017)

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## Foreword

This European Standard (EN) has been produced by ETSI Technical Committee Digital Enhanced Cordless Telecommunications (DECT).

The present document is based on ETSI EN 300 175, parts 1 [1] to 8 [8]. General attachment requirements and speech attachment requirements are based on ETSI EN 301 406 [11] (replacing ETSI TBR 006 [i.1]) and ETSI EN 300 176-2 [10] (previously covered by ETSI TBR 010 [i.2]).

The present document has been developed in accordance with the rules of documenting a profile specification as described in ISO/IEC 9646-6 [i.4].

National transposition dates	
Date of adoption of this EN:	9 October 2017
Date of latest announcement of this EN (doa):	31 January 2018
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	31 July 2018
Date of withdrawal of any conflicting National Standard (dow):	31 July 2019

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## Modal verbs terminology

In the present document "**shall**", "**shall not**", "**should**", "**should not**", "**may**", "**need not**", "**will**", "**will not**", "**can**" and "**cannot**" are to be interpreted as described in clause 3.2 of the [ETSI Drafting Rules](#) (Verbal forms for the expression of provisions).

"**must**" and "**must not**" are **NOT** allowed in ETSI deliverables except when used in direct citation.

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# 1 Scope

The present document specifies that set of technical requirements for Digital Enhanced Cordless Telecommunications (DECT) Fixed Part (FP) and DECT Portable Part (PP) necessary for the support of the Generic Access Profile (GAP).

The GAP is applicable to all DECT Portable radio Terminations (PT) and Fixed radio Terminations (FT) which under the scope of ETSI EN 300 176-2 [10] (i.e. 3,1 kHz telephony teleservice) and specifies the minimum functionality that is supported by all other 3,1 kHz voice profiles.

The objective of the present document is to ensure the Air Interface (AI) inter-operability of DECT equipment capable of 3,1 kHz telephony applications, in such a way that any DECT PT conforming to the procedures described in the present document is inter-operable with any DECT FT conforming to the procedures described in the present document.

The profile consists of the minimum mandatory requirements that allow a 3,1 kHz teleservice connection to be established, maintained and released between a FT and a PT with the appropriate access rights, irrespective of whether the FP provides residential, business or public access services.

In addition, the present document defines the features, services, procedures etc. for both the FT and the PT, which are provision mandatory either in the PT or in the FT, as well as some elements that are provision optional but still process mandatory.

Mobility Management (MM) procedures at the DECT AI to support incoming calls and outgoing calls are included.

Inter-working between the FT and the attached network is outside the scope of the present document.

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## 2 References

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### 2.1 Normative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

Referenced documents which are not found to be publicly available in the expected location might be found at <http://docbox.etsi.org/Reference>.

NOTE: While any hyperlinks included in this clause were valid at the time of publication ETSI cannot guarantee their long term validity.

The following referenced documents are necessary for the application of the present document.

- [1] ETSI EN 300 175-1: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 1: Overview".
- [2] ETSI EN 300 175-2: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 2: Physical layer (PHL)".
- [3] ETSI EN 300 175-3: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 3: Medium Access Control (MAC) layer".
- [4] ETSI EN 300 175-4: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 4: Data Link Control (DLC) layer".
- [5] ETSI EN 300 175-5: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 5: Network (NWK) layer".
- [6] ETSI EN 300 175-6: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 6: Identities and addressing".
- [7] ETSI EN 300 175-7: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 7: Security features".

- [8] ETSI EN 300 175-8: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 8: Speech and audio coding and transmission".
- [9] ETSI EN 300 176-1: "Digital Enhanced Cordless Telecommunications (DECT); Test specification; Part 1: Radio".
- [10] ETSI EN 300 176-2: "Digital Enhanced Cordless Telecommunications (DECT); Test specification; Part 2: Audio and speech".
- [11] ETSI EN 301 406: "Digital Enhanced Cordless Telecommunications (DECT); Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU".
- [12] ETSI EN 300 700: "Digital Enhanced Cordless Telecommunications (DECT); Wireless Relay Station (WRS)".

## 2.2 Informative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

NOTE: While any hyperlinks included in this clause were valid at the time of publication ETSI cannot guarantee their long term validity.

The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

- [i.1] ETSI TBR 006: "Digital Enhanced Cordless Telecommunications (DECT); General terminal attachment requirements".
- [i.2] ETSI TBR 010: "Digital Enhanced Cordless Telecommunications (DECT); General Terminal Attachment Requirements; Telephony Applications".
- [i.3] ETSI TS 102 527-3: "Digital Enhanced Cordless Telecommunications (DECT); New Generation DECT; Part 3: Extended wideband speech services".
- [i.4] ISO/IEC 9646-6: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 6: Protocol profile test specification".
- [i.5] ISO/IEC 9646-7: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".
- [i.6] ISO/IEC 8073 (1997): "Information technology - Open Systems Interconnection - Protocol for providing the connection-mode transport service".
- [i.7] Recommendation ITU-T G.726: "40, 32, 24, 16 kbit/s Adaptive Differential Pulse Code Modulation (ADPCM)".

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## 3 Definitions, symbols and abbreviations

### 3.1 Definitions

For the purposes of the present document, the terms and definitions given in ETSI EN 300 175-1 [1] and the following apply:

**attach:** process whereby a PP within the coverage area of a FP to which it has access rights, notifies this FP that it is operative

NOTE 1: The reverse process is detach, which reports the PP as inoperative.

NOTE 2: An operative PP is assumed to be ready to receive calls.