



SLOVENSKI STANDARD
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Digital Enhanced Cordless Telecommunications (DECT); Generic Access Profile (GAP);
Profile Test Specification (PTS); Part 3: Profile Specific Test Specification (PSTS) - Fixed
radio Termination (FT)

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ICS:

33.070.30 Öä åæ ^Á à [|zæ ^ Digital Enhanced Cordless
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AMENDMENT

ETS 300 494-3

A1

February 1998

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the European Telecommunication Standard ETS 300 494-3 (1996)**

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Digital Enhanced Cordless Telecommunications (DECT);

Generic Access Profile (GAP);

Profile Test Specification (PTS);

Part 3: Profile Specific Test Specification (PSTS) -

Fixed radio Termination (FT)

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Foreword

This amendment to ETS 300 494-3 (1996) has been produced by the Digital Enhanced Cordless Telecommunications (DECT) Project of the European Telecommunications Standards Institute (ETSI).

Transposition dates	
Date of adoption of this amendment:	6 February 1998
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Amendments

Clause 2

Modify clause 2 as follows:

~~[8] ETS 300 444 (1995): "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Generic Access Profile (GAP)".~~

[8] EN 300 444: "Digital European Cordless Telecommunications (DECT); Generic Access Profile (GAP)".

Subclause 4.1

Modify subclause 4.1 as follows:

This subclause includes lists of the test groups and abstract test cases relevant for GAP PTS - NWK layer Fixed Termination (FT) derived from ETS 300 497-9 [26].

~~The page number referenced is the relative page number in the corresponding ETS where the particular item can be found.~~

NOTE: ~~As ETS 300 497-1 [18] is draft, and some changes are likely due to the results of the Public Enquiry (PE) phase, page numbers reflecting the exact place in that ETS where a test case is to be found are not included in this ETS. They shall be added in a later stage. References when necessary shall be made based on the particular test case name unique through all test specification ETS 300 497-1 [18].~~

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Subclause 4.1.1

Add the test group reference for "FT/CC/RS" in table 1, as follows:

SIST ETS 300 494-3:1999/A1:1999	
FT/CC/BV/CR/	To check the IUT's behaviours to release an outgoing/incoming call
FT/CC/RS	To check the IUT's behaviour during call related supplementary service procedures.
FT/CC/BO/	To check the behaviour of the CC entity of the IUT in response to the messages that are syntactically correct but not allowed to occur in some states of the CC procedures

Delete test group reference for "FT/ME/BO" in table 1, as follows:

FT/ME/BV/	To tests the LLME of the IUT in response to syntactically and contextual correct behaviour of the test system
FT/ME/BO/	To check the IUT behaviour in response to the messages that are syntactically correct but not allowed to occur in some phase of the LLME managed procedures
FT/LC/	To check the behaviour of the LCE of the IUT

Subclause 4.1.2

Replace table 2 with the following table 2:

Table 2

Test Case Index		
Test Group Reference	Test Case Id	Description
FT/CC/BV/OC/	TC_FT_CC_BV_OC_01	Outgoing normal call; F-00 to F-10; piece-wise dialling
	TC_FT_CC_BV_OC_06	Internal call. (There is no test case defined in ETS 300 497-9 [26] due to difficulties of predicting the IUT behaviour)
FT/CC/BV/IC/	TC_FT_CC_BV_IC_01	Incoming call; F-00, F-06, F-07 to F-10
FT/CC/BV/CI/	TC_FT_CC_BV_CI_01	Incoming call; <<Signal>> either in {SS-SETUP}{CC-SETUP} or in {CC-INFO}
	TC_FT_CC_BV_CI_02	Outgoing normal call; F-02; {CC-INFO}, <<Multi keypad>>, "Go to pulse" handling
	TC_FT_CC_BV_CI_03	Outgoing normal call; F-10; {CC-INFO}, <<Multi keypad>>, 'Go to pulse' handling.
	TC_FT_CC_BV_CI_04	Outgoing normal call; F-02; {CC-INFO}, <<Multi keypad>>, "dialling pause" handling
	TC_FT_CC_BV_CI_05	Outgoing normal call; F-10; {CC-INFO}, <<Multi keypad>>, "Dialling pause" handling
	TC_FT_CC_BV_CI_06	Outgoing normal call; F-02; {CC-INFO}, <<Multi keypad>>, "Go to DTMF defined tone length" handling
	TC_FT_CC_BV_CI_07	Outgoing normal call; F-10; {CC-INFO}, <<Multi keypad>>, "Go to DTMF defined tone length" handling
	TC_FT_CC_BV_CI_08	Outgoing normal call; F-02; {CC-INFO}, <<Multi keypad>>, "Go to DTMF infinite tone length" handling
	TC_FT_CC_BV_CI_09	Outgoing normal call; F-10; {CC-INFO}, <<Multi keypad>>, "Go to DTMF infinite tone length" handling
	TC_FT_CC_BV_CI_10	Outgoing normal call; F-10; {CC-INFO}, <<Multi keypad>>, "0-9, star, hash mark" handling
	TC_FT_CC_BV_CI_11	Internal call. (There is no test case defined in ETS 300 497-9 [26] due to difficulties of predicting the IUT behaviour)
	TC_FT_CC_BV_CI_12	FT handling <<Terminal capability>>. (There is no test case defined in ETS 300 497-9 [26] due to difficulties of predicting the IUT behaviour)
FT/CC/BV/CR/	TC_FT_CC_BV_CR_01	Outgoing normal call; F-02; IUT initiated normal release
	TC_FT_CC_BV_CR_02	F-10; IUT initiated normal release
	TC_FT_CC_BV_CR_03	Incoming call; F-07; IUT initiated normal release
	TC_FT_CC_BV_CR_04	Outgoing call; F-02; PT initiated normal release
	TC_FT_CC_BV_CR_05	F-10; PT initiated normal release
	TC_FT_CC_BV_CR_06	Incoming call; F-07; PT initiated normal release
	TC_FT_CC_BV_CR_07	Incoming call; F-07; PT initiated abnormal release
	TC_FT_CC_BV_CR_08	F-10; PT initiated abnormal release
	TC_FT_CC_BV_CR_09	Incoming call; F-06; PT initiated abnormal release
	TC_FT_CC_BV_CR_10	F-10; PT initiated partial release
	TC_FT_CC_BV_CR_11	F-10; FT initiated partial release
FT/CC/RS/	TC_FT_CC_RS_01	Register recall. (There is no test case defined in ETS 300 497-9 [26] due to difficulties of predicting the IUT behaviour)
FT/CC/RS	TC_FT_CC_RS_07	Incoming call; T-00; {CC-SETUP}, <<Calling party number>> provision (CLIP support)

(continued)

Table 2 (continued)

Test Case Index		
Test Group Reference	Test Case Id	Description
FT/CC/BO/	TC_FT_CC_BO_01	F-10; unexpected {CC-ALERTING} F-02; unexpected {CC-SETUP}
	TC_FT_CC_BO_02	F-19; receipt of {CC-RELEASE}; release collisions handling
FT/CC/BI/	TC_FT_CC_BI_01	F-00; {CC-SETUP} mandatory I.E. missing; answer upon with {CC-RELEASE-COM}
	TC_FT_CC_BI_02	F-00; {CC-SETUP} wrong mandatory I.E.; answer upon with {CC-RELEASE-COM}
	TC_FT_CC_BI_03	F-00; {CC-SETUP}-like message, non {CC-SETUP} unrecognised message type; ignore
	TC_FT_CC_BI_04	F-00; to short message to contain the complete <<Message type>>; ignore
FT/CC/TI/	TC_FT_CC_TI_01	Outgoing call; F-02; timer F-<CC.01> expiry ($\pm 5\%$ margin) (-10% margin); IUT sends {CC-RELEASE}
	TC_FT_CC_TI_02	Outgoing call; F-02; restart of timer F-<CC.01> on receipt of {CC-INFO}
	TC_FT_CC_TI_03	Outgoing call; F-19; timer F-<CC.02> expiry ($\pm 10\%$ margin) ($\pm 5\%$ margin); IUT sends {CC-RELEASE-COM}
	TC_FT_CC_TI_04	Outgoing call; F-06; timer F-<CC.03> expiry ($\pm 10\%$ margin) ($\pm 5\%$ margin); IUT sends {CC-RELEASE-COM}
FT/MM/BV/ID/	TC_FT_MM_BV_ID_01	Identity request procedure; IUT initiated
FT/MM/BV/AU/	TC_FT_MM_BV_AU_01	Authentication of PT; PT has no stored ZAP value and service class info
	TC_FT_MM_BV_AU_02	Authentication of PT; ZAP increment; PT has stored ZAP value and service class info; PT authenticates FT before answering
	TC_FT_MM_BV_AU_03	Authentication of user; PT has no stored ZAP value and service class info
	TC_FT_MM_BV_AU_04	Authentication of FT
	TC_FT_MM_BV_AU_05	Authentication of FT; Unsupported key requested; IUT rejects
	TC_FT_MM_BV_AU_06	Authentication of PT; store DCK ; PT has no stored ZAP value and service class info
FT/MM/BV/LO/	TC_FT_MM_BV_LO_01	Location registration; a38=1 at locking and at the beginning of the procedure; request with IPUI
	TC_FT_MM_BV_LO_02	Location registration; a38=1 at locking and at the beginning of the procedure; request with unknown IPUI; reject
	TC_FT_MM_BV_LO_03	Location registration; a38=1 at locking and at the beginning of the procedure; request with IPUI; IUT assigns TPUI
	TC_FT_MM_BV_LO_05	Location update; a38=1 at locking; Location reg started upon 1st {MM-INFO-SUGGEST};
	TC_FT_MM_BV_LO_06	Location registration; a38=1 at locking; a38=0 at the beginning of the procedure; request with IPUI
	TC_FT_MM_BV_LO_07	Location update; a38=1 at locking; Location reg started upon 2nd {MM-INFO-SUGGEST};
FT/MM/BV/AR/	TC_FT_MM_BV_AR_01	Obtain access rights; both sides use AC indication; IUT sends the whole PARK
	TC_FT_MM_BV_AR_02	Obtain access rights; service class assign
	TC_FT_MM_BV_AR_03	Terminate access rights; IUT(FT) initiated; PT authenticates FT

(continued)

Table 2 (continued)

Test Case Index		
Test Group Reference	Test Case Id	Description
	TC_FT_MM_BV_AR_06	Obtain access rights; both sides use UAK indication; IUT sends the whole PARK
	TC_FT_MM_BV_AR_07	Obtain access rights; ZAP value assign
FT/MM/BV/KA/	TC_FT_MM_BV_KA_01	Key allocate; IUT initiated
	TC_FT_MM_BV_KA_02	Key allocate; IUT initiated; "implicit PT authentication" failure; IUT rejects
	TC_FT_MM_BV_KA_03	Key allocate; IUT initiated; PT rejects; IUT keeps AG
FT/MM/BV/CH/	TC_FT_MM_BV_CH_01	Cipher switching; PT initiated; "cipher-off" to "cipher-on"
	TC_FT_MM_BV_CH_02	Cipher switching; PT initiated; "cipher-on" to "cipher-off"
	TC_FT_MM_BV_CH_03	Cipher switching; IUT(FT) initiated; "cipher-off" to "cipher-on"
	TC_FT_MM_BV_CH_04	Cipher switching; IUT(FT) initiated; "cipher-on" to "cipher-off"
	TC_FT_MM_BV_CH_05	Cipher switching; PT initiated with "unsupported cipher key"; IUT rejects
	TC_FT_MM_BV_CH_08	Cipher switching; IUT(FT) initiated; "cipher-off" to "cipher-on" fails
	TC_FT_MM_BV_CH_09	Cipher switching; PT initiated; "cipher-off" to "cipher-on" fails
	TC_FT_MM_BV_CH_10	Cipher switching; PT initiated; "cipher-off" to "cipher-on" and intercell handover
	TC_FT_MM_BV_CH_11	Cipher switching; PT initiated; "cipher-off" to "cipher-on" and intracell handover
	TC_FT_MM_BV_CH_12	Cipher switching; IUT(FT) initiated; "cipher-off" to "cipher-on" and intercell handover
	TC_FT_MM_BV_CH_13	Cipher switching; PT initiated; "cipher-on" to "cipher-off" fails
	TC_FT_MM_BV_CH_14	Cipher switching; IUT(FT) initiated; "cipher-off" to "cipher-on" and intracell handover
	TC_FT_MM_BV_CH_15	Cipher switching; IUT(FT) initiated; "cipher-on" to "cipher-off" fails
FT/MM/BO/	TC_FT_MM_BO_01	Cipher switching; IUT(FT) initiated; ignoring unexpected {IDENTITY-REPLY}
FT/MM/BI/	TC_FT_MM_BI_01	Identity request; PT sends unrecognised message; IUT ignores
FT/MM/BI	TC_FT_MM_BI_02	Obtain access rights; {ACCESS-RIGHTS-REQUEST} missing <<Auth type>>; IUT sends {ACCESS-RIGHTS-REJECT}
	TC_FT_MM_BI_03	Obtain access rights; {ACCESS-RIGHTS-REQUEST} with <<Auth type>> exceeding the max. allowed length; IUT sends {ACCESS-RIGHTS-REJECT}
FT/MM/TI/	TC_FT_MM_TI_01	Identity request; timer F-<MM_ident.2> expiry ($\pm 5\%$ margin) (- 10% margin)
	TC_FT_MM_TI_02	Authentication of PT; timer F-<MM_auth.1> expiry ($\pm 5\%$ margin) (- 10% margin)
	TC_FT_MM_TI_03	Authentication of user; timer F-<MM_auth.2> expiry ($\pm 5\%$ margin) (- 10% margin)
	TC_FT_MM_TI_04	Terminate access rights; IUT(FT) initiated; timer F-<MM_access.2> expiry ($\pm 5\%$ margin) (- 10% margin)
	TC_FT_MM_TI_05	Key allocation; timer F-<MM_key.1> expiry ($\pm 5\%$ margin) (- 10% margin)

(continued)

Table 2 (concluded)

Test Case Index		
Test Group Reference	Test Case Id	Description
	TC_FT_MM_TI_06	Cipher switching; IUT(FT) initiated; timer F-<MM_cipher.1> expiry (margin: -20%)(± 5 % margin)
	TC_FT_MM_TI_07	Location registration with TPUI assignment; timer F-<MM_ident.1> expiry (± 5 % margin)
FT/ME/BV/	TC_FT_ME_BV_01	Incoming call and authentication of FT handled in parallel
	TC_FT_ME_BV_02	Authentication of user interrupted by Authentication of FT
	TC_FT_ME_BV_03	CC call and location registration in parallel
FT/ME/BO/	TC_FT_ME_BO_01	Authentication of PT; ignore of {LOCATE-REQUEST} (lower priority)
FT/LC/BV/LE/	TC_FT_LC_BV_LE_01	Indirect IUT(FT) link establishment procedure; correct PT answer
	TC_FT_LC_BV_LE_02	Indirect IUT(FT) link establishment procedure; {LCE-PAGE-RESPONSE} with mismatching IPUI; IUT rejects and release the link
	TC_FT_LC_BV_LE_03	Direct PT initiated link establishment procedure
FT/LC/BV/LR/	TC_FT_LC_BV_LR_01	Link exists; PT initiated "normal" link release
	TC_FT_LC_BV_LR_02	Link exists; MM entity ceases to use the link; no other entity uses the link; IUT maintains the link <LCE.02> time
	TC_FT_LC_BV_LR_03	Link exists; CC call is terminated; FT initiated link release
	TC_FT_LC_BV_LR_04	Link exists; CC entity ceases to use the link partial release agreed; no other entity uses the link; IUT maintains the link <LCE.02> time
FT/LC/BI/	TC_FT_LC_BI_01	Protocol discriminator value error -unsupported service; IUT ignores
	TC_FT_LC_BI_04	{AUTH-REQUEST} with illegal transaction id.; ignore
	TC_FT_LC_BI_05	Identity request procedure; {IDENTITY-REPLY} with transaction id. flag='0'; ignore
	TC_FT_LC_BI_07	F-10; link fails; IUT clears the call
FT/LC/TV/	TC_FT_LC_TV_01	Link exists; normal link release is requested; timer <LCE.01> expiry. (There is no test case defined in ETS 300 497-9 [26] due to difficulties of predicting the IUT behaviour)
FT/LC/TV/	TC_FT_LC_TV_02	MM ceases to use the link; no other entity uses the link; timer <LCE.02> expiry (allowed period: (TSPX Ice_02-1000) ms to 10500 ms)(± 5 % margin)
	TC_FT_LC_TV_03	Indirect IUT(FT) initiated link establishment; no answer; timer <LCE.03> expiry (± 5 % margin)
Detailed Comments:		
1. The FT is the IUT.		

Subclause 4.2

Modify subclause 4.2 as follows:

This subclause includes list of the test groups and the abstract test cases relevant for GAP PTS - DLC layer FT derived from ETS 300 497-5 [22].

The page number referenced is the relative page number in the corresponding ETS where the particular item can be found.

Subclause 4.2.2

Replace table 4 with the following table 4:

Table 4

Test Case Index			
Test Group Reference	Test Case Id	Description	
DLC/C_Plane/ClassA/CA/	TC_A_CA_005	I-Frame acknowledgement within timer <DL-04>	
	TC_A_CA_006	re-transmission of an I-Frame N250 times	
	TC_A_CA_007	refusal of a Class B link establishment RR response frame with the reserved LLN value "Class A operation" and NLF bit set to "1"; Class A established state	
	TC_A_CA_008	Class A establishment request; responding and entering into Class A established state	
DLC/C_Plane/ClassA/BV/	TC_A_BV_002	I-Frame acknowledgement; sending RR response frame with correct N(R)	
	TC_A_BV_003	I-Frame acknowledgement; accepting an I-Frame command with correct N(S) and N(R) values as an acknowledgement.	
	TC_A_BV_004	re-establishment request acceptance; Class A established state	
	TC_A_BV_005	timer re transmission phase; acceptance of a RR response frame with correct N(R) value as an acknowledgement	
	TC_A_BV_006	timer re transmission phase; acceptance of an I-Frame command with correct N(S) and N(R) values as an acknowledgement	
	TC_A_BV_007	connection handover; PT initiated intracell	
	TC_A_BV_008	connection handover; PT initiated intercell	
	DLC/C_Plane/ClassA/BI/	TC_A_BI_004	information transfer phase; discarding RR response frame, LLN indicates B-class, invalid N(R); re-transmission the unacknowledged I-Frame
		TC_A_BI_005	information transfer phase; discarding RR response frame, NLF='0', invalid N(R); re-transmission the unacknowledged I-Frame
TC_A_BI_006		received I-Frame with invalid N(R); <DL-04> expiry; re-transmission the unacknowledged I-Frame with updated N(R)	
TC_A_BI_007		receipt of an I-Frame with invalid N(S); sending RR response frame or I-Frame with the expected N(S); stops, if necessary, DL_04 according to the received N(R)	
TC_A_BI_008		receipt of an I-Frame with invalid N(S) and invalid N(R); RR response frame transmission; unacknowledged I-Frame re-transmission	
	TC_A_BI_009	timer re transmission phase; discarding RR response frame, LLN indicates Class-B, NLF='0', invalid N(R); re-transmission the unacknowledged I-Frame	
	TC_A_BI_011	timer re transmission phase; accepting I-Frame with invalid N(R); <DL-04> expiry; re-transmits the unacknowledged I-Frame with updated N(R)	
		(continued)	