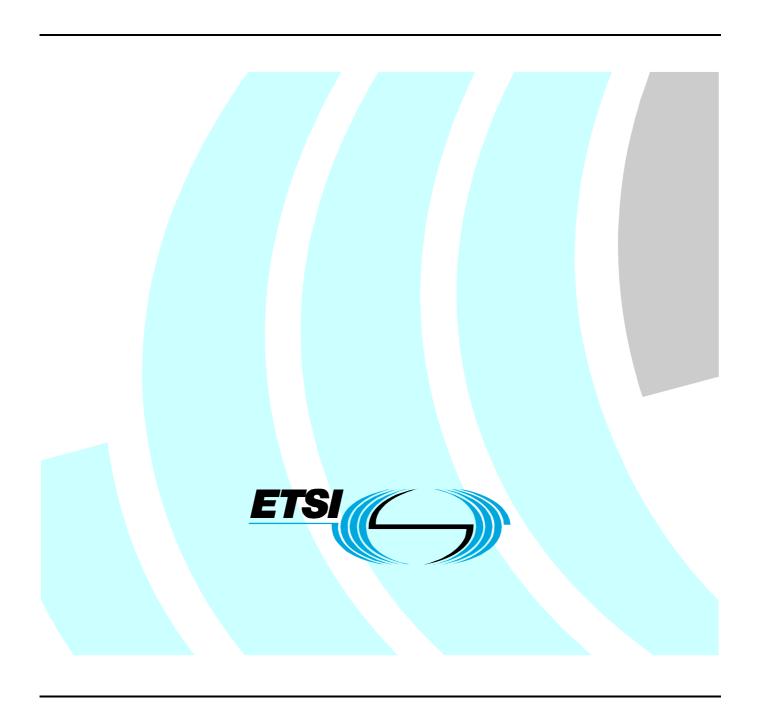
ETSITS 102 587-6 V1.1.1 (2008-07)

Technical Specification

Electromagnetic compatibility and Radio spectrum Matters (ERM); Interoperability testing for the Peer-to-Peer Digital Private Mobile Radio; Part 6: Test Descriptions (TD)



Reference

DTS/ERM-TGDMR-269-6

Keywords

digital, interoperability, mobile, radio, testing, TSS&TP

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Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Electromagnetic compatibility and Radio spectrum Matters (ERM).

The present document is part 6 of a multi-part deliverable covering the Electromagnetic compatibility and Radio spectrum Matters (ERM); Conformance testing for the Peer-to-Peer Digital Private Mobile Radio, as identified below:

- Part 1: "Protocol Implementation Conformance Statement (PICS) proforma";
- Part 2: "Test Suite Structure and Test Purposes (TSS&TP) specification";
- Part 3: "Requirements catalogue";
- Part 4: "Abstract Test Suite (ATS)";
- Part 5: "Interoperability Test Suite Structure and Test Purposes (TSS&TP) specification";
- Part 6: "Test descriptions (TD)".

1 Scope

The present document contains the Test Descriptions (TD) for interoperability testing of the ERM; Peer-to-Peer Digital Private Mobile Radio using FDMA with a channel spacing of 6,25 kHz with e.r.p of up to 500 mW as defined in TS 102 490 [1]. The objective of this test specification is to provide a basis for interoperability tests for ERM Peer-to-Peer Digital Private Mobile Radio equipment giving a high probability of inter-operability between different manufacturer's ERM DMR equipment.

2 References

References are either specific (identified by date of publication and/or edition number or version number) or non-specific.

- For a specific reference, subsequent revisions do not apply.
- Non-specific reference may be made only to a complete document or a part thereof and only in the following cases:
 - if it is accepted that it will be possible to use all future changes of the referenced document for the purposes of the referring document;
 - for informative references.

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

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2.1 Normative references

The following referenced documents are indispensable for the application of the present document. For dated references, only the edition cited applies. For non-specific references, the latest edition of the referenced document (including any amendments) applies.

- [1] ETSI TS 102 490 (V1.3.1): "Electromagnetic compatibility and Radio spectrum Matters (ERM); Peer-to-Peer Digital Private Mobile Radio using FDMA with a channel spacing of 6,25 kHz with e.r.p. of up to 500 mW".
- [2] Void.
- [3] Void.
- [4] ETSI TS 102 587-3: "Electromagnetic compatibility and Radio spectrum Matters (ERM); Peer-to-Peer Digital Private Mobile Radio; Part 3: Requirements catalogue".

2.2 Informative references

The following referenced documents are not essential to the use of the present document but they assist the user with regard to a particular subject area. For non-specific references, the latest version of the referenced document (including any amendments) applies.

Not applicable.

3 Abbreviations

For the purposes of the present document, the following abbreviations apply:

CF (Test) ConFiguration **CSF** Configured Services and Facilities dPMR digital Private Mobile Radio **ISDM** Individual Short Data Message **ISF** Initial Services and Facilities **OACSU** Off Air Call Set-Up PTT Push To Talk Requirements Catalogue RC ReQuirement RQ **Test Description** TD TP Test Purpose **TSS** Test Suite Structure

4 Test Suite Structure (TSS)

The Test Suite Structure is based on the dPMR Requirements Catalogue [4]. It is defined by the groups within the following specification of test descriptions. The numbering is not contiguous so that new TDs can be added at a later date without the need to completely renumber the TSS groups.

The test descriptions have been divided into three groups:

Group 1: Common requirements.

Group 2: CSF requirements.

Group 3: ISF requirements.

The sub-grouping of these three group follows the structure of the RC. Some of the sub-groups of the RC contained no testable requirement. Headings for those sub-groups are in this test purpose document in the node group to give a full view on the relation between RQ and TD.

```
Group 1 "ISF CSF Common"
Group 1.1 "All Call"
Group 1.2 "Channel Access"
Group 1.3 "Framing"
Group 1.3.1 "End frame"
Group 1.3.2 "Header frames"
Group 1.3.2.1 "Call information field"
Group 1.3.3 "Packet data frame"
Group 1.3.4 "Superframe"
Group 1.3.4.1 "Type 1 data"
Group 1.3.4.2 "Type 2 data"
Group 1.3.4.3 "Voice"
Group 1.4 "Late Entry"
Group 1.5 "Powersave"
Group 1.6 "Talking Party ID"
Group 2 "CSF"
Group 2.1 "Broadcast Call"
Group 2.2 "Dialling Plan"
Group 2.3 "Individual Short Data Message"
Group 2.3.1 "ISDM Free Text Message"
Group 2.3.2 "ISDM Precoded Message"
```

```
Group 2.3.3 "ISDM Short File Transfer"
Group 2.3.4 "ISDM Status Message"
Group 2.4 "OACSU"
Group 2.5 "Short Appended Data"
Group 2.6 "Slow User Data"
Group 2.7 "Type 3 data"
Group 3 "ISF"
```

5 Test Descriptions (TD)

Configurations that are referenced by test descriptions are shown in annex A.

5.1 ISF CSF Common

Group 1 'ISF CSF Common'

5.1.1 All Call

Group 1.1 'All Call'

	Test Des	cription			
Identifier:	TD_PMR_0824_01	Test Purpose:	TP_PMF	R_0824_01	
Summary:	'Support of all call with any specific	callee ID'			
Roles:	ISF	Configuration:	CF_IDPI	MRISF_01	
References:	RQ_001_0824, RQ_001_0824				
ISF QE1 and EUT					
with { QE1 and EUT					
,	using_compatible_vocoders				
}					
ensure that { when { OE1 uses Co	ommon ID 255 and				
	nother Common ID and				
	kes a Call to EUT }				
then { EUT User re					
]}	,				
xxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxx			
Pre-test conditions:	Select same RF channel for both Q	E1 and EUT			
	Select 255 as Common ID on QE1				
	Select a different Common ID on El	JT			
Step	Test Se	quence		Verd	lict
				Pass	Fail
1	Cause QE1 to make a call				
2	Check that EUT receives the call			yes	no
Observations:					

```
Test Description
                     TD_PMR_0824_02
Identifier:
                                                    Test Purpose:
                                                                          TP_PMR_0824_02
                     'All call with all call callee ID'
Summary:
Roles:
                                                    Configuration:
                                                                          CF_IDPMRISF_01
                     ISF
References:
                    RQ_001_0824, RQ_001_0824
-- ISF QE1 and EUT
       QE1 and EUT in standby and
with {
                    using_compatible_vocoders
ensure that {
 when { QE1 and EUT using Common_ID 255 and QE1_User makes a Call to EUT }
 then { EUT User receives the Call }
 Pre-test conditions:
                     Select same RF channel for both QE1 and EUT
                     Select 255 as Common ID on both QE1 and EUT
                                                                                   Verdict
       Step
                                         Test Sequence
                                                                               Pass
                                                                                          Fail
                     Cause QE1 to make a call
         2
                     Check that EUT receives the call
                                                                                Yes
                                                                                          No
Observations:
```

	Test Descri	ption		
Identifier:	TD_PMR_0824_03	Test Purpose:	TP_PMR_0824	I_03
Summary:	'All call with all call callee ID'			
Roles:	ISF	Configuration:	CF_IDPMRISF	_01
References:	RQ_001_0824, RQ_001_0824			
ensure that { when { EUT uses Co QE1 uses ar QE1_User ma	using_compatible_vocoders			
xxxxxxxxxxxxxxx	·xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx		
Pre-test conditions:	Select same RF channel for both QE Select 255 as Common ID on EUT Select a different value of Common			
Step	Test Sequei	псе	Verd	dict
-			Pass	Fail
1	Cause QE1 to make a call			
2	Check if EUT receives the call		No	Yes
Observations:				

```
Test Description
Identifier:
                     TD_PMR_0858_01
                                                     Test Purpose:
                                                                           TP_PMR_0858_01
Summary:
                     All call with all call callee ID
Roles:
                                                     Configuration:
                     ISF
                                                                           CF_IDPMRISF_01
References:
                     RQ_001_0858, RQ_001_0858
-- ISF QE1 and EUT
with { \sim QE1 and EUT in standby and
                     using_compatible_vocoders
    }
ensure that {
   when { EUT uses Common_ID 255 and
          QE1 uses another Common ID and
  QE1_User makes a Call }
then { EUT_User does not receive the Call }
  Pre-test conditions:
                     Select same RF channel for both QE1 and EUT
                     Select 255 as Common ID on EUT and QE1
        Step
                                           Test Sequence
                                                                                       Verdict
                                                                                  Pass
                                                                                               Fail
                     Cause QE1 to make a call
                     Check if EUT receives the call
         2
                                                                                   Yes
                                                                                               No
Observations:
```

	Tes	st Description		
Identifier:	TD_PMR_0858_02	Test Purpose:	TP_PMR_0858_0	2
Summary:	All call with all call callee ID			
Roles:	ISF	Configuration:	CF_IDPMRISF_0	1
References:	RQ_001_0858, RQ_001_085	8		
ISF QE1 and EUT with { QE1 and EU	T in standby and using compatible vocoders	5		
QE1 uses QE1_User then { EUT_User }	Common_ID 255 and Common_ID 255 and makes a Call } does receive the Call }	000000000000000000000000000000000000000		
Pre-test conditions:	Select same RF channel for b	ooth QE1 and EUT		
	Select 255 as Common ID on	-		
	Select a different value of Con			
Step	Tes	t Sequence		dict
			Pass	Fail
1	Cause QE1 to make a call			
2	Check if EUT receives the ca	ll	No	Yes
Observations:				

End group 1.1

5.1.2 channel access

Group 1.2 'Channel Access'

	Test Desc	ription		
Identifier:	TD_PMR_1006_01	Test Purpose:	TP_PMR_1006_	01
Summary:	'Automatic call termination within 18	0 seconds '		
Roles:	ISF	Configuration:	CF_IDPMRISF_	01
References:	RQ_001_1006			
QE1 and E } ensure that { when { EUT_User m PTT_Key is then { QE1_User r	El using same Common_ID and powersave_disabled and using_compatible_vocoders) a UT in standby akes a PTT_Call and not released } eceives PTT_Call and ates the PTT_Call after 180 sec			
	<u> </u>	xxxxxxxxxxx		
Pre-test conditions:	Select same RF channel for both Q			
	Select same Common ID for both C		1	
Step	Test Sequ	ience		rdict
			Pass	Fail
1	Cause EUT to make a voice call to			
2	Keep EUT transmitting until QE1 st			
3	Stop timer when QE1 stops receiving	•		
4	Check that timer value is 180 secon	ds or less	Yes	No
Observations:				

	Tes	st Description		
Identifier:	TD_PMR_1006_02	Test Purpose:	TP_PMR_1006_	_02
Summary:	'Automatic call termination v	within 180 seconds '		
Roles:	CSF	Configuration:	CF_IDPMRCSF	_01
References:	RQ_001_1006			
CSF QE1 and EUT				
with $\{$ (EUT and	QE1 powersave_disabled and			
071	using_compatible_voco	ders)		
QE1 in st	andby			
ensure that {				
	makes a Voice Transmission	n addressed to QE1 and		
	s not release $\overline{\mathtt{d}}$ $\}$			
	receives Voice_Transmissi	on and		
FITT + assmit				
FOI CELMI	nates the Voice_Transmiss	ion after 180 seconds }		
}	nates the Voice_Transmiss			
}	nates the Voice_Transmiss	ion after 180 seconds }		
} xxxxxxxxxxxx	_	ion after 180 seconds }		
} xxxxxxxxxxx	_ <u>xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx</u>	ion after 180 seconds } xxxxxxxxxxxxxxxxxxx both QE1 and EUT		
} xxxxxxxxxxxx	Select same RF channel for Select or enter a talkgroup a	ion after 180 seconds } xxxxxxxxxxxxxxxxxxx both QE1 and EUT	Ver	dict
} xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Select same RF channel for Select or enter a talkgroup a	ion after 180 seconds } xxxxxxxxxxxxxxxxx both QE1 and EUT address for QE1 on EUT	Ver Pass	dict Fail
} xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Select same RF channel for Select or enter a talkgroup a	ion after 180 seconds } xxxxxxxxxxxxxxxxx both QE1 and EUT address for QE1 on EUT		
} xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Select same RF channel for Select or enter a talkgroup a	ion after 180 seconds } xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Pass	
} xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Select same RF channel for Select or enter a talkgroup a	ion after 180 seconds } xxxxxxxxxxxxxxxxxx r both QE1 and EUT address for QE1 on EUT est Sequence e call to QE1 and start timer QE1 stops receiving the voice call	Pass	
} xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Select same RF channel for Select or enter a talkgroup a Te	ion after 180 seconds } xxxxxxxxxxxxxxxxxxxxx r both QE1 and EUT address for QE1 on EUT est Sequence e call to QE1 and start timer QE1 stops receiving the voice call receiving	Pass	

```
Test Description
Identifier:
                     TD_PMR_1006_03
                                                    Test Purpose:
                                                                         TP_PMR_1006_03
Summary:
                     'Automatic call termination within 180 seconds and call resume'
Roles:
                                                    Configuration:
                                                                         CF_IDPMRISF_01
                     ISF
References:
                     RQ_001_1006
-- ISF QE1 and EUT
with {
          (EUT and QE1 using same Common_ID and
                      powersave_disabled and
                      using compatible vocoders) and
          EUT in call_timeout_terminated
ensure that {
 when { EUT User releases and presses PTT Key again }
 then { QE1_User receives PTT_Call }
 Pre-test conditions:
                     Select same RF channel for both QE1 and EUT
                     Select same Common ID for both QE1 and EUT
        Step
                                          Test Sequence
                                                                                    Verdict
                                                                                Pass
                                                                                          Fail
                     Cause EUT to transmit until QE1 stops receiving the call
                     De-key the transmitter of the EUT
                     Re-key the transmitter of the EUT
         3
                     Check if QE1 starts to receive the call from EUT
         4
                                                                                Yes
                                                                                           No
Observations:
```

	Test Descri	ption				
Identifier:	TD_PMR_1006_04	Test Purpose:	TP_	PMR_100	06_0	4
Summary:	'Automatic call termination within 180	seconds and call resume	'			
Roles:	CSF	Configuration:	CF_	IDPMRCS	SF_C)1
References:	RQ_001_1006					
EUT in call } ensure that { when { EUT_User re	1 powersave_disabled) and _timeout_terminated leases and presses the PTT_Key a ceives Voice_Transmission }	again }				
xxxxxxxxxxxxxxxx	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
Pre-test conditions:	Select same RF channel for both QE1					
Step	Select or enter a talkgroup address for Test Seque			1	/erd	ict
Step	rest seque	lice		Pass	veru	Fail
1	Cause EUT to transmit until QE1 stop	s receiving the call		1 033		ı alı
2	De-key the transmitter of the EUT	3 receiving the call				
3	Re-key the transmitter of the EUT					
4	Check if QE1 starts to receive the call	from FLIT		Yes		No
Observations:	Chock in Q2 i claric to receive the can	110111 201		100		

```
Test Description
Identifier:
                      TD_PMR_1008_01
                                                      Test Purpose:
                                                                            TP_PMR_1008_01
Summary:
                      'Channel access in own call '
                                                      Configuration:
Roles:
                     ISF
                                                                            CF_IDPMRISF_02
                     RQ_001_1008, RQ_001_1008
References:
-- ISF QE1, QE2 and EUT
with {    ((EUT and QE1 and QE2) using the same Common_ID and
with {
                                 using_compatible_vocoders) and
           QE1 is transmitting
      }
ensure that {
  when { EUT_User makes PTT_Call }
 then { QE2 User receives the PTT Call from EUT}
 Pre-test conditions:
                     Select same RF channel for QE1, QE2 and EUT
                      Select same Common ID for QE1, QE2 and EUT
        Step
                                                                                        Verdict
                                             Test Sequence
                                                                                    Pass
                                                                                              Fail
                      Cause QE1 to make a voice call to QE2
                      Cause EUT to make a voice call to QE2 while QE1 is still transmitting
         2
         3
                      Check if QE2 receives the voice call from EUT
                                                                                     Yes
                                                                                               No
Observations:
```

	Test Description				
Identifier:	TD_PMR_1008_02	Purpose:	TP_PM	R_1008_0	2
Summary:	'Channel access in own call '				
Roles:	CSF Con	figuration:	CF_IDF	PMRCSF_0)2
References:	RQ_001_1008				
QE1 is the part of	QE1 and QE2) using the same call_ground using_compatible_vocoder ansmitting Voice_Transmission to EUT akes a Voice_Transmission to QE2} eceives the Voice_Transmission from F	s) and UT}			
rie-lest conditions.	Select same Talkgroup address for QE1, Q				
Step	Test Sequence			Ver	dict
•	-			Pass	Fail
1	Cause QE1 to make a voice call to QE2				
2	Cause EUT to make a voice call to QE2 when the control of the call to QE2 when the call the call to QE2 when the call th	nile QE1 is still tra	ansmitting		
3	Check if QE2 receives the voice call from E	UT	·	Yes	No
Observations:					

```
Test Description
Identifier:
                      TD_PMR_1009_01
                                                       Test Purpose:
                                                                              TP_PMR_1009_01
Summary:
                      'Channel access when ISF polite to own colour code'
                                                       Configuration:
Roles:
                      ISF
                                                                              CF_IDPMRISF_02
                      RQ_001_1009, RQ_001_1009
References:
-- ISF QE1, QE2 and EUT
with {    ((EUT and QE1 and QE2) using same Common_ID and
with {
                                  using_compatible_vocoders) and
                                  and using same colour code ) and
            EUT is polite to own CC and
            QE1 is transmitting to QE2
ensure that {
 when { EUT_User makes PTT_Call }
then { QE2_User does not receive PTT_Call from EUT }
  Pre-test conditions:
                      Select same RF channel for QE1, QE2 and EUT
                      Select same Common ID for QE1, QE2 and EUT
                      EUT configured to be polite to own colour code
        Step
                                                                                           Verdict
                                              Test Sequence
                                                                                                 Fail
                                                                                       Pass
                      Cause QE1 to make a voice call to QE2
                      Cause EUT to make a voice call to QE2 while QE1 is still transmitting
          2
                      Check if QE2 receives the voice call from EUT
                                                                                                 Yes
          3
                                                                                        No
Observations:
```

	Test De	scription		
Identifier:	TD_PMR_1010_01	Test Purpose:	TP_PMR_1010_	01
Summary:	'Channel access when ISF impo	lite'		
Roles:	ISF	Configuration:	CF_IDPMRISF_0)2
References:	RQ_001_1010, RQ_001_1010			
ISF QE1, QE2 and	EUT			
	QE1 and QE2) using_compatibl			
	QE2 using the same Common_ID			
	QE1 not using the same Commo	n_ID) and		
	impolite and			
QE1 is	transmitting			
}				
ensure that {				
	makes PTT_Call }			
then { QE2_User	receives PTT_Call from EUT }			
,				
xxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxx		
Pre-test conditions:	Select same RF channel for QE	1. QE2 and EUT		
	Select same Common ID for QE	•		
	EUT configured to be impolite	.,		
Step		Sequence	Ve	rdict
		- Coque	Pass	Fail
1	Cause QE1 to make a voice call	to QE2	1 400	T GII
2	Cause EUT to make a voice call		ransmitting	
3	Check if QE2 receives the voice		Yes	No

```
Test Description
Identifier:
                      TD_PMR_1011_01
                                                        Test Purpose:
                                                                               TP_PMR_1011_01
Summary:
                      'Channel access when polite to own group and channel occupied by members of own
                      group'
                      CSF
                                                        Configuration:
                                                                               CF_IDPMRCSF_02
Roles:
                      RQ_001_1011, RQ_001_1011
References:
-- CSF QE1, QE2 and EUT
with { ((EUT and QE1 and QE2) using same colour_code ) and
with {
           ((EUT and QE1 and QE2) are 'member of same talkgroup') and
            EUT is polite_to_own_group and
            QE1 is transmitting to QE2
ensure that {
 when { EUT_User makes a Voice_Transmission to QE2} then { QE2_User receives Voice_Transmission from QE1}
                                                             -- Indicating EUT does NOT transmit
   Pre-test conditions:
                      Select same RF channel for QE1, QE2 and EUT
                      QE1, QE2 and EUT are all members of the same talkgroup
                      EUT is configured to be polite to own talkgroup
        Step
                                              Test Sequence
                                                                                            Verdict
                                                                                        Pass
                                                                                                  Fail
                      Cause QE1 to make a voice call to QE2
                       Cause EUT to make a voice call to QE2 while QE1 is still transmitting
          2
          3
                      Check if QE2 receives the voice call from EUT
                                                                                         No
                                                                                                  Yes
Observations:
```

	Tes	st Description		
ldentifier:	TD_PMR_1012_01	Test Purpose: TF	rpose: TP_PMR_1012_01	
Summary:	'Repeated acknowledgemen	nts when RF channel is busy'		
Roles:	CSF	Configuration: CF	_IDPMRCSF_	01
References:	RQ_001_1012, RQ_001_10)12		
((EUT and QE1 is the QE1 is the QE2_User that { when { QE2_User then { QE2_User then } }	QE1 and QE2) using same QE2) are 'member of same transmitting	talkgroup') and o EUT} ur' acknowledgement from EUT}		
Pre-test conditions:	Select same RF channel for	· QE1, QE2 and EUT		
		grammed with the same talkgroup add		
Step	Т	est Sequence	Ver	dict
			Pass	Fail
1	Cause QE1 to make a voice	e call to QE2		
2	Cause QE2 to make a conr	nection request to EUT		
3	QE2 user receives no more	than four acknowledgement from EUT	Yes	No
	OF0			
4	QE2 receives all acknowled	gements within 3 seconds	Yes	No

	Test Des	cription		
Identifier:	TD_PMR_1013_01	Test Purpose:	TP_PMR_101:	3_01
Summary:	'Channel access when CSF polite	to own colour code'		
Roles:	CSF	Configuration:	CF_IDPMRCS	F_02
References:	RQ_001_1013			
CSF QE1, QE2 and	EUT			
with $\{$ ((EUT and	QE1 and QE2) using the same co	olour_code and		
	using_compatible_			
	transmitting Voice_Transmission	n to QE2		
EUT is 1	polite_to_own_CC			
ensure that {				
	makes Voice_Transmission addres	ged to OF21		
	does not receive Voice Transmis			
}	aced need receive verse_rrand.mr.	552511 215 201 ,		
,				
xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxx		
Pre-test conditions:	Select same RF channel for QE1,	QE2 and EUT		
	EUT is programmed with polite to	own CC channel access		
	Start a voice call between QE1 an	d QE2		
Step	Test Seq	uence	Ve	rdict
			Pass	Fail
1	Cause EUT to make a voice call t	o QE2		
2	QE2 does not receive the voice ca	all from EUT	Yes	No
Observations:				

	Te	st Description	·	
ldentifier:	TD_PMR_1014_01	Test Purpose:	TP_PMR_101	14_01
Summary:	'Channel access when CSF	impolite'		
Roles:	CSF	Configuration:	CF_IDPMRC	SF_02
References:	RQ_001_1014			
QE1 is EUT is } ensure that { when { EUT_Uses	nd EUT nd QE1 and QE2) using_compa s transmitting Voice_Transm s impolite r makes Voice_Transmission r receives Voice_Transmissi	nission to QE2 and addressed to QE2}		
	×××××××××××××××××××××××××××××××××××××××			
Pre-test conditions:	Select same RF channel fo EUT is programmed with in Select or enter a talkgroup Start a voice call between 0	npolite channel access address of QE2 on EUT		
Step	Test	Sequence	Ver	dict
			Pass	Fail
1	Cause EUT to make a void	ce call to QE2		
2	QE2 receives the voice ca	II from EUT	Yes	No
Observations:				•

End group 1.2

5.1.3 framing

Group 1.3 'Framing'

5.1.3.1 end frame

```
Group 1.3.1 'End frame'
-- No TP specified
End group 1.3.1
```

5.1.3.2 header frames

Group 1.3.2 'Header frames'

5.1.3.2.1 call information field

```
Group 1.3.2.1 'Call information field'
-- No TP specified
End group 1.3.2.1
End group 1.3.2
```

5.1.3.3 packet data frame

```
Group 1.3.3 'Packet data frame'
  -- No TP specified
End group 1.3.3
```

5.1.3.4 superframe

Group 1.3.4 'Superframe'

5.1.3.4.1 type 1 data

Group 1.3.4.1 'Type 1 data'

	Test Desc	ription		
ldentifier:	TD_PMR_0807_01	Test Purpose:	TP_PMR_080	7_01
Summary:	'Support receiving of type 1 ISF gr	oup short data messages	s'	
Roles:	ISF	Configuration:	CF_IDPMRISI	F_01
References:	RQ_001_0807, RQ_001_0807			
EUT in s } ensure that { when { QE1_User then { EUT_User }	QE1 using same Common_ID and powersave_disabled) and standby sends a T1_Transmission to EUT receives the T1_Transmission }	·		
Pre-test conditions:	Select same RF channel for both			
	Select same Common ID on both	QE1 and EUT		
Step	Test Sequ	ience	Verd	dict
			Pass	Fail
1	Cause QE1 to send a Type 1 data	message to EUT		
2	Check that EUT receives the data	message	Yes	No
Observations:				

```
Test Description
Identifier:
                     TD_PMR_0807_02
                                                   Test Purpose:
                                                                        TP_PMR_0807_02
Summary:
                    'Support sending of type 1 ISF group short data messages'
Roles:
                                                   Configuration:
                    ISF
                                                                        CF_IDPMRISF_01
References:
                    RQ_001_0807
-- ISF QE1 and EUT
with {
         (EUT and QE1 using same Common_ID and
                      powersave_disabled) and
          QE1 in standby
    }
ensure that {
  when { EUT_User sends a T1_Transmission to QE1 }
 then { QE1 User receives the T1 Transmission }
 Pre-test conditions:
                    Select same RF channel for both QE1 and EUT
                     Select same Common ID on both QE1 and EUT
       Step
                                         Test Sequence
                                                                                   Verdict
                                                                              Pass
                                                                                         Fail
                     Cause EUT to send a Type 1 data message to QE1
                     Check that QE1 receives the data message
         2
                                                                               Yes
                                                                                         No
Observations:
```

	Test Do	escription		
Identifier:	TD PMR 0807 03	Test Purpose:	TP PMR (0807 03
Summary:	'Support receiving of type 1 (SF group short data message	es'	·
Roles:	CSF	Configuration:	CF_IDPMR	RCSF_01
References:	RQ_001_0807	<u>.</u>		
CSF QE1 and EUT				
with { (EUT and QI	El using same Group_ID an powersave disabled) an			
EUT in sta				
}				
ensure that {				
when { QE1_User se	ends a T1_Transmission to	EUT }		
then { EUT_User re	eceives the T1_Transmissi	on }		
}				
xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxx		
Pre-test conditions:	Select same RF channel for	ooth QE1 and EUT		
	Select or enter EUT address	on QE1		
Step	Test S	Sequence	Ver	dict
		1	Pass	Fail
1	Cause QE1 to send a Type 1	data message to EUT		
2	Check that EUT receives the	· · · · · · · · · · · · · · · · · · ·	Yes	No
Observations:			•	

```
Test Description
Identifier:
                     TD_PMR_0807_04
                                                   Test Purpose:
                                                                        TP_PMR_0807_04
Summary:
                     'Support sending of type 1 CSF group short data messages'
Roles:
                    CSF
                                                   Configuration:
                                                                        CF_IDPMRCSF_01
References:
                    RQ_001_0807
-- CSF QE1 and EUT
with {
         (EUT and QE1 using same Group_ID and
                      powersave_disabled) and
          QE1 in standby
    }
ensure that {
  when { EUT_User sends a T1_Transmission to QE1 }
 then { QE1 User receives the T1 Transmission }
  Pre-test conditions:
                     Select same RF channel for both QE1 and EUT
                     Select or enter QE1 address on EUT
       Step
                                          Test Sequence
                                                                                      Verdict
                                                                                 Pass
                                                                                             Fail
         1
                     Cause EUT to send a Type 1 data message to QE1
                     Check that QE1 receives the data message
                                                                                 Yes
         2
                                                                                             No
Observations:
```

	Tes	t Description		
Identifier:	TD_PMR_0810_01	Test Purpose:	TP_PMR_0810_	_01
Summary:	'Support of type 1 individual	short data messages'		
Roles:	CSF	Configuration:	CF_IDPMRCSF	_01
References:	RQ_001_0810			
CSF QE1 and EUT with { (EUT and (EUT in s	QE1 powersave_disabled) an	d		
then { EUT_User : }	sends a T1_Transmission ad receives the T1_Transmissi	on }		
Pre-test conditions:	Select same RF channel for Select or enter EUT address			
Step	Te	st Sequence	Ver	dict
-			Pass	Fail
1	Cause QE1 to send a Type	1 data message to EUT		
2	Check that EUT receives the	data message	Yes	No
Observations:			·	•

```
Test Description
Identifier:
                     TD_PMR_0810_02
                                                      Test Purpose:
                                                                            TP_PMR_0810_02
Summary:
                     'Support sending of type 1 CSF individual short data messages'
Roles:
                                                      Configuration:
                                                                            CF_IDPMRCSF_01
                     CSF
References:
                     RQ_001_0810
-- CSF QE1 and EUT
with {
          (EUT and QE1 with powersave_disabled) and
           QE1 in standby
ensure that {
        { EUT_User sends a T1_Transmission addressed to QE1 } { QE1_User receives the T1_Transmission }
 when
  then
  Pre-test conditions:
                     Select same RF channel for both QE1 and EUT
                     Select or enter QE1 address on EUT
                                                                                          Verdict
        Step
                                             Test Sequence
                                                                                      Pass
                                                                                                 Fail
                     Cause EUT to send a Type 1 data message to QE1
         1
         2
                     Check that QE1 receives the data message
                                                                                       Yes
                                                                                                  No
Observations:
```

	Test Descri	ption			
Identifier:	TD_PMR_0831_01	Test Purpose:	TP_P	MR_0831_0	1
Summary:	'Support receiving of type 1 ISF group	data status messages'			
Roles:	ISF	Configuration:	CF_II	DPMRISF_0	1
References:	RQ_001_0831, RQ_001_0831				
ISF QE1 and EUT					
with { (EUT and QE	1 using same Common_ID and				
	powersave_disabled) and				
EUT in sta	ndby				
}					
ensure that {					
	nds a T1_Status_Message to EUT	}			
then { EUT_User re	ceives the T1_Status_Message }				
}					
	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				
Pre-test conditions:	Select same RF channel for both QE				
	Select same Common ID for both QE				
Step	Test Sequ	ence		Ver	dict
				Pass	Fail
1	Cause QE1 to send a Type 1 data sta	atus message to EUT			
2	Check that EUT receives the data sta	tus message		Yes	No
Observations:					

```
Test Description
Identifier:
                      TD_PMR_0831_02
                                                        Test Purpose:
                                                                              TP_PMR_0831_02
Summary:
                      'Support sending of type 1 ISF group data status messages'
                                                       Configuration:
Roles:
                      ISF
                                                                              CF_IDPMRISF_01
References:
                      RQ_001_0831, RQ_001_0831
-- ISF QE1 and EUT with { (EUT and
          (EUT and QE1 using same Common_ID and
                        powersave_disabled) and
           QE1 in standby
    }
ensure that {
 when { EUT_User sends a T1_Status_Message to QE1 }
then { QE1_User receives the T1_Status_Message }
 Pre-test conditions:
                      Select same RF channel for both QE1 and EUT
                      Select same Common ID for both QE1 and EUT
        Step
                                                                                           Verdict
                                             Test Sequence
                                                                                      Pass
                                                                                                  Fail
                      Cause EUT to send a Type 1 data status message to QE1
                      Check that QE1 receives the data status message
                                                                                       Yes
          2
                                                                                                  No
Observations:
```

	Test Des	cription		
ldentifier:	TD_PMR_0831_03	Test Purpose:	TP_PMR_0831_	03
Summary:	'Support receiving of type 1 CSF gro	oup data status message	es'	
Roles:	CSF	Configuration:	CF_IDPMRCSF	_01
References:	RQ_001_0831			
EUT in st } ensure that { when { QE1_User :	DE1 using same Group_ID and powersave_disabled) and candby sends a T1_Status_Message to EUT receives the T1_Status_Message }			
·- xxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Soloat game DE abangal for both O			
-re-test conditions:	Select same RF channel for both Q Select or enter a talkgroup address			
Step	Test Sequ		Vei	dict
Отор	1 cst ocqu		Pass	Fail
1	Cause QE1 to send a Type 1 data s	tatus message to EUT		- 411
2	Check that EUT receives the data s	•	Yes	No
Observations:		<u> </u>	•	

```
Test Description
Identifier:
                      TD_PMR_0831_04
                                                        Test Purpose:
                                                                              TP_PMR_0831_04
Summary:
                      'Support sending of type 1 CSF group data status messages'
Roles:
                                                        Configuration:
                      CSF
                                                                              CF_IDPMRCSF_01
References:
                      RQ_001_0831
-- CSF QE1 and EUT
with {
          (EUT and QE1 using same Group_ID and
                        powersave_disabled) and
           QE1 in standby
    }
ensure that {
  when { EUT_User sends a T1_Status_Message to QE1 }
  then { QE1_User receives the T1_Status_Message }
  Pre-test conditions:
                      Select same RF channel for both QE1 and EUT
                      Select or enter a talkgroup address of QE1 on EUT
        Step
                                              Test Sequence
                                                                                            Verdict
                                                                                       Pass
                                                                                                   Fail
          1
                      Cause EUT to make a Type 1 data status message to QE1
                      Check that QE1 receives the data status message
          2
                                                                                       Yes
                                                                                                   No
Observations:
```

Test Description							
Identifier:	TD_PMR_0832_01	Test Purpose:	P_PMR_0832_0	1			
Summary:	'Support receiving of type 1 ISF group	upport receiving of type 1 ISF group data precoded messages'					
Roles:	ISF	Configuration:	F_IDPMRISF_01				
References:	RQ_001_0832, RQ_001_0832						
ISF QE1 and EUT with { (EUT and QE1 using same Common_ID and							
	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx						
Pre-test conditions:	Select same RF channel for both QE Select same Common ID on both QE Select a precoded message on QE1						
Step	Test Seque	nce	Verd	dict			
			Pass	Fail			
1	Cause QE1 to send a Type 1 data pro	ecoded message to EUT					
2	Check that EUT receives the precode	d data message	Yes	No			
Observations:		·					

```
Test Description
Identifier:
                    TD_PMR_0832_02
                                                   Test Purpose:
                                                                        TP_PMR_0832_02
Summary:
                    'Support sending of type 1 ISF group data precoded messages'
                                                   Configuration:
                                                                       CF_IDPMRISF_01
Roles:
                    ISF
References:
                    RQ_001_0832, RQ_001_0832
-- ISF QE1 and EUT
with {
         (EUT and QE1 using same Common_ID and
                      powersave_disabled) and
          QE1 in standby
    }
ensure that {
 when { EUT_User sends a T1_Precoded_Data_Message to QE1 }
       { QE1 User receives the T1 Precoded Data Message }
  Pre-test conditions:
                    Select same RF channel for both QE1 and EUT
                    Select same Common ID on both QE1 and EUT
                    Select a precoded message on EUT
                                                                                      Verdict
       Step
                                          Test Sequence
                                                                                 Pass
                                                                                            Fail
         1
                    Cause EUT to send a Type 1 data precoded message to EUT
         2
                    Check that QE1 receives the precoded data message
                                                                                 Yes
                                                                                            No
Observations:
```

	Te	est Description			
Identifier:	TD_PMR_0832_03	Test Purpose:	TP_PN	1R_0832_03	
Summary:	'Support receiving of type 1	CSF group data precoded mess	ages'		
Roles:	CSF	Configuration:	CF_IDI	PMRCSF_01	
References:	RQ_001_0832				
CSF QE1 and EUT					
with $\{$ (EUT and Q	E1 using same Group_ID am				
	powersave_disabled) an	ıd			
EUT in st	andby				
}					
ensure that {)			
	ends a T1_Precoded_Data_N				
then { EUT_User r	eceives the T1_Precoded_I	Data_Message }			
}					
	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	11 11 11 11 11 11 11 11 11 11 11 11 11			
Pre-test conditions:	Select same RF channel for				
	Select or enter a talkgroup a	ddress of EUT on QE1			
	Select a precoded message	on QE1			
Step		Test Sequence		Ver	dict
•		•		Pass	Fail
1	Cause QE1 to send a Type	1 data precoded message to EU	T		
2	Check that EUT receives the			Yes	No
Observations:				•	•

```
Test Description
Identifier:
                       TD_PMR_0832_04
                                                        Test Purpose:
                                                                               TP_PMR_0832_04
Summary:
                      'Support sending of type 1 CSF group data precoded messages'
                      CSF
                                                        Configuration:
                                                                               CF_IDPMRCSF_01
Roles:
References:
                      RQ_001_0832
-- CSF QE1 and EUT
with {
          (EUT and QE1 using same Group_ID and
                        powersave_disabled) and
     }
ensure that {
  when { EUT_User sends a T1_Precoded_Data_Message to QE1 }
  then { QE1_User receives the T1_Precoded_Data_Message }
 Select same RF channel for both QE1 and EUT
Pre-test conditions:
                       Select or enter a talkgroup address of QE1 on EUT
                       Select a precoded message on EUT
                                                                                            Verdict
        Step
                                               Test Sequence
                                                                                                   Fail
                                                                                        Pass
                       Cause EUT to send a Type 1 data precoded message to QE1
          1
          2
                       Check that QE1 receives the precoded data message
                                                                                         Yes
                                                                                                   No
Observations:
```

	7	est Description			
Identifier:	TD_PMR_0833_01	Test Purpose:	TP_PM	IR_0833_01	
Summary:	'Support receiving of type 1	ISF group data free text message	es'		
Roles:	ISF	Configuration:	CF_IDF	PMRISF_01	
References:	RQ_001_0833, RQ_001_0	833			
ISF QE1 and EUT					
with $\{$ (EUT and $($	QE1 using same Common_ID				
	powersave_disabled) a	and			
EUT in st	andby				
}					
ensure that {		,			
	sends a T1_Freetext_Data_				
then { EUT_User i	receives the T1_Freetext_	_Data_Message }			
}					
Dra toot conditions	Colort come DE channel fo	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx			
Pre-test conditions:	Select same RF channel for				
	Select same Common ID for				
	Enter a free text message	on QE1			
Step		Test Sequence		Ver	dict
				Pass	Fail
1	Cause QE1 to send a Type	1 data free text message to EUT			
2	Check that EUT receives the			Yes	No
Observations:		<u>_</u>		1	

```
Test Description
Identifier:
                     TD_PMR_0833_02
                                                    Test Purpose:
                                                                         TP_PMR_0833_02
Summary:
                     'Support sending of type 1 ISF group data free text messages'
                                                    Configuration:
                                                                         CF_IDPMRISF_01
Roles:
                     ISF
References:
                     RQ_001_0833, RQ_001_0833
-- ISF QE1 and EUT with { (EUT and
         (EUT and QE1 using same Common_ID and
                      powersave_disabled) and
    }
ensure that {
  when { EUT_User sends a T1_Freetext_Data_Message to QE1 }
  then { QE1 User receives the T1 Freetext Data Message }
  Pre-test conditions:
                     Select same RF channel for both QE1 and EUT
                     Select same Common ID for both QE1 and EUT
                     Enter a free text message on EUT
                                                                                     Verdict
       Step
                                           Test Sequence
                                                                                 Pass
                                                                                            Fail
                     Cause EUT to send a Type 1 data free text message to QE1
         1
         2
                     Check that QE1 receives the free text message
                                                                                  Yes
                                                                                             No
Observations:
```

	Tes	t Description			
Identifier:	TD_PMR_0833_03	Test Purpose:	TP_F	PMR_0833_0	3
Summary:	'Support receiving of type 1 (CSF group data free text messa	ages'		
Roles:	CSF	Configuration:	CF_I	DPMRCSF_0	1
References:	RQ_001_0833				
CSF QE1 and EUT with { (EUT and QI EUT in sta	E1 using same Group_ID an powersave_disabled) an				
	ends a T1_Freetext_Data_M eceives the T1_Freetext_D				
xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxx			
Pre-test conditions:	Select same RF channel for Select or select a talkgroup a Enter a free text message or	address of EUT on QE1			
Step		est Sequence		Verd	dict
_				Pass	Fail
1	Cause QE1 to send a Type 1	data free text message to EU	Τ		
2	Check that EUT receives the	free text message		Yes	No
Observations:		·			

```
Test Description
Identifier:
                     TD_PMR_0833_04
                                                    Test Purpose:
                                                                         TP_PMR_0833_04
Summary:
                     'Support sending of type 1 CSF group data free text messages'
                    CSF
                                                    Configuration:
                                                                        CF_IDPMRCSF_01
Roles:
References:
                    RQ_001_0833
-- CSF QE1 and EUT
with {
          (EUT and QE1 using same Group_ID and
                      powersave_disabled) and
          QE1 in standby
    }
ensure that {
 when { EUT_User sends a T1_Freetext_Data_Message to QE1 }
       { QE1 User receives the T1 Freetext Data Message }
  Pre-test conditions:
                     Select same RF channel for both QE1 and EUT
                     Select or enter a talkgroup address of QE1 on EUT
                     Enter a free text message on EUT
                                                                                      Verdict
       Step
                                          Test Sequence
                                                                                 Pass
                                                                                             Fail
                     Cause EUT to send a Type 1 data free text message to QE1
         1
         2
                     Check that QE1 receives the free text message
                                                                                  Yes
                                                                                              No
Observations:
```

	Test Descr	iption		
Identifier:	TD_PMR_0834_01		PMR_0834_01	
Summary:	'Support receiving of type 1 ISF grou			
Roles:	ISF	Configuration: CF_	IDPMRISF_01	
References:	RQ_001_0834, RQ_001_0834			
EUT in s } ensure that { when { QE1_User	QE1 using same Common_ID and powersave_disabled) and tandby makes a T1_Short_File_Transfer to receives the T1_Short_File_Transf			
	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx			
Pre-test conditions:	Select same RF channel for both QE	1 and EUI		
	Calast same Camanan ID far bath OF	'A and FUT		
	Select same Common ID for both QE			
	Interface QE1 to the data file source	equipment		
Stan	Interface QE1 to the data file source Interface EUT to the data file receivir	equipment ng equipment	Ver	dict
Step	Interface QE1 to the data file source	equipment ng equipment		dict Fail
Step 1	Interface QE1 to the data file source Interface EUT to the data file receivin Test Seq	equipment ng equipment uence	Ver Pass	dict Fail
·	Interface QE1 to the data file source Interface EUT to the data file receivir	equipment ng equipment uence hort file transfer to EUT		

```
Test Description
Identifier:
                      TD_PMR_0834_02
                                                      Test Purpose:
                                                                            TP_PMR_0834_02
Summary:
                     'Support sending of type 1 ISF group data short file transfer'
Roles:
                                                      Configuration:
                     ISF
                                                                            CF_IDPMRISF_01
References:
                     RQ_001_0834, RQ_001_0834
-- ISF QE1 and EUT with { (EUT and
          (EUT and QE1 using same Common_ID and
                       powersave_disabled) and
     }
ensure that {
  when { EUT_User makes a T1_Short_File_Transfer to QE1 }
  then { QE1 User receives the T1 Short File Transfer }
  Pre-test conditions:
                      Select same RF channel for both QE1 and EUT
                      Select same Common ID for both QE1 and EUT
                      Interface EUT to the data file source equipment
                      Interface QE1 to the data file receiving equipment
        Step
                                            Test Sequence
                                                                                        Verdict
                                                                                    Pass
                                                                                               Fail
                      Cause EUT to make a Type 1 data short file transfer to QE1
         2
                      Check that QE1 receives and outputs the data file to the receiving
                                                                                     Yes
                                                                                                No
                      equipment
Observations:
```

	Test Des	cription			
Identifier:	TD_PMR_0834_03	Test Purpose:	TP_PMF	R_0834_	_03
Summary:	'Support receiving of type 1 CSF gr	oup data short file transfer'			
Roles:	CSF	Configuration:	CF_IDP	MRCSF	_01
References:	RQ_001_0834				
EUT in sta } ensure that { when { QE1_User ma then { EUT_User re } xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	kes a T1_Short_File_Transfer to the the the talks are the	efer }			
Pre-test conditions:	Select same RF channel for both Q Select or enter a talkgroup address Interface QE1 to the data file source Interface EUT to the data file receiv	of EUT on QE1 e equipment			
Step	Test Sec	uence		V	erdict erdict
				Pass	Fail
1	Cause QE1 to make a Type 1 data				
2	Check that EUT receives and output equipment	ts the data file to the receiving	ng	Yes	No
Observations:					

	Test Description		
Identifier:	TD_PMR_0834_04 Test Purpose:	P_PMR_08	34_04
Summary:	'Support sending of type 1 CSF group data short file transfer'		
Roles:	CSF Configuration:	F_IDPMRC	SF_01
References:	RQ_001_0834		
QE1 in sta } ensure that { when { EUT_User ma then { QE1_User ra }	El using same Group_ID and powersave_disabled) and andby akes a Tl_Short_File_Transfer to QE1 } eceives the Tl_Short_File_Transfer } EXECUTE: The same of the sa		
	Interface EUT to the data file source equipment		
-	Interface QE1 to the data file receiving equipment		
Step	Test Sequence		/erdict
		Pass	Fail
1	Cause EUT to make a Type 1 data short file transfer to QE1		
2	Check that QE1 receives and outputs the data file to the receiving equipment	y Yes	No
Observations:			•

End group 1.3.4.1

5.1.3.4.2 type 2 data

Group 1.3.4.2 'Type 2 data'

	Test Description					
Identifier:	TD_PMR_0806_01	Test Purpose:	TP_PMR_0806_	.01		
Summary:	'Support receiving of type 2 group sl	nort data messages'				
Roles:	ISF	Configuration:	CF_IDPMRISF_	01		
References:	RQ_001_0806, RQ_001_0806					
EUT in sta } ensure that { when { QE1_User se	In using same Common_ID and powersave_disabled) and and and by ends a T2_Transmission to EUT }					
xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx				
Pre-test conditions:	Select same RF channel for both QB Select same Common ID on both Q					
Step	Test Seque	nce	Verd	ict		
			Pass	Fail		
1	Cause QE1 to send a Type 2 data n	nessage to EUT				
2	Check that EUT receives the data m	essage	Yes	No		
Observations:			·			

```
Test Description
Identifier:
                      TD_PMR_0806_02
                                                       Test Purpose:
                                                                             TP_PMR_0806_02
Summary:
                      'Support sending of type 2 group short data messages'
Roles:
                                                       Configuration:
                      ISF
                                                                             CF_IDPMRISF_01
References:
                      RQ_001_0806
-- ISF QE1 and EUT
with {
          (EUT and QE1 using same Common_ID and
                       powersave_disabled) and
           QE1 in standby
     }
ensure that {
  when { EUT_User sends a T2_Transmission to QE1 }
  then { QE1_User receives the T2_Transmission }
  Pre-test conditions:
                      Select same RF channel for both QE1 and EUT
                      Select same Common ID on both QE1 and EUT
        Step
                                           Test Sequence
                                                                                         Verdict
                                                                                  Pass
                                                                                                 Fail
          1
                      Cause EUT to send a Type 2 data message to QE1
                      Check that QE1 receives the data message
                                                                                   Yes
          2
                                                                                                  No
Observations:
```

	Tes	t Description					
Identifier:	TD_PMR_0806_03	Test Purpose:	TP_PMR_0806	_03			
Summary:	'Support receiving of type 2 0	pport receiving of type 2 CSF group short data messages'					
Roles:	CSF	Configuration:	CF_IDPMRCSF	_01			
References:	RQ_001_0806						
CSF QE1 and EUT with { (EUT and (El using same Group ID an	d					
,	powersave_disabled) and						
EUT in st	andby						
	sends a T2_Transmission to receives the T2_Transmissi						
	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx						
Pre-test conditions:	Select same RF channel for l Select or enter EUT address						
Step	Test	Sequence	Verd	dict			
			Pass	Fail			
1	Cause QE1 to send a Type 2	data message to EUT					
2	Check that EUT receives the	data message	Yes	No			
Observations:							

```
Test Description
Identifier:
                      TD_PMR_0806_04
                                                       Test Purpose:
                                                                             TP_PMR_0806_04
Summary:
                      'Support sending of type 2 CSF group short data messages'
Roles:
                                                       Configuration:
                                                                             CF_IDPMRCSF_01
                      CSF
References:
                      RQ_001_0806
-- CSF QE1 and EUT
with {
          (EUT and QE1 using same Group_ID and
                       powersave_disabled) and
           QE1 in standby
     }
ensure that {
  when { EUT_User sends a T2_Transmission to QE1 }
  then { QE1_User receives the T2_Transmission }
 Pre-test conditions:
                      Select same RF channel for both QE1 and EUT
                      Select or enter address for QE1 on EUT
                                                                                            Verdict
        Step
                                              Test Sequence
                                                                                       Pass
                                                                                                  Fail
                      Cause EUT to send a Type 2 data message to QE1
                      Check QE1 receives the data message
                                                                                        Yes
                                                                                                   No
Observations:
```

	Т	est Description			
ldentifier:	TD_PMR_0809_01	Test Purpose:	TP_PM	R_0809_01	
Summary:	'Support receiving of type 2	CSF individual short data mes	sages'		
Roles:	CSF	Configuration:	CF_IDF	MRCSF_01	
References:	RQ_001_0809	·			
EUT in st } ensure that { when { QE1_User s then { EUT_User r }	E1 with powersave_disable andby ends a T2_Transmission ac eceives the T2_Transmiss:	ddressed to EUT } ion }			
Pre-test conditions:	Select same RF channel for Select or enter EUT address	both QE1 and EUT			
Step	1	Test Sequence		Ver	dict
				Pass	Fail
1	Cause QE1 to send a Type	2 data message to EUT			
2	Check that EUT receives the	e data message		Yes	No
Observations:					

```
Test Description
Identifier:
                     TD_PMR_0809_02
                                                      Test Purpose:
                                                                           TP_PMR_0809_02
Summary:
                     'Support sending of type 2 CSF individual short data messages'
Roles:
                                                      Configuration:
                                                                           CF_IDPMRCSF_01
References:
                     RQ_001_0809
-- CSF QE1 and EUT
with {
          (EUT and QE1 with powersave_disabled) and
           QE1 in standby
ensure that {
        { EUT_User sends a T2_Transmission addressed to QE1 } { QE1_User receives the T2_Transmission }
  when
  then
  Pre-test conditions:
                     Select same RF channel for both QE1 and EUT
                     Select or enter QE1 address on EUT
                                                                                         Verdict
        Step
                                             Test Sequence
                                                                                     Pass
                                                                                                Fail
                     Cause EUT to send a Type 2 data message to QE1
         1
         2
                     Check that QE1 receives the data message
                                                                                      Yes
                                                                                                 No
Observations:
```

	Tes	t Description		
Identifier:	TD_PMR_0825_01	Test Purpose:	TP_PMR_0825_0)1
Summary:	'Support receiving of type 2 IS	SF group data status messages'	•	
Roles:	ISF	Configuration:	CF_IDPMRISF_0	1
References:	RQ_001_0825, RQ_001_082	25		
powersa EUT in ; } ensure that { when { QE1_User	QE1 using same Common_ID ar re_disabled) and standby sends a T2_Status_Message t receives the T2_Status_Mess	co EUT }		
xxxxxxxxxxxxx	(XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	«xxxxxxxxxxxxxx		
Pre-test conditions:	Select same RF channel for the Select same Common ID on I			
Step	Te	st Sequence	Ver	dict
			Pass	Fail
1	Cause QE1 to send a Type 2	data status message to EUT		
2	Check that EUT receives the	data status message	Yes	No
Observations:				

```
Test Description
Identifier:
                      TD_PMR_0825_02
                                                        Test Purpose:
                                                                              TP_PMR_0825_02
Summary:
                      'Support sending of type 2 ISF group data status messages'
Roles:
                                                       Configuration:
                                                                              CF_IDPMRISF_01
                      ISF
References:
                      RQ_001_0825, RQ_001_0825
-- ISF QE1 and EUT
with {
          (EUT and QE1 using same Common\_ID and
          powersave_disabled) and
           QE1 in standby
    }
ensure that {
  when { EUT_User sends a T2_Status_Message to QE1 }
  then { QE1_User receives the T2_Status_Message }
  Pre-test conditions:
                      Select same RF channel for both QE1 and EUT
                      Select same Common ID on both QE1 and EUT
        Step
                                              Test Sequence
                                                                                             Verdict
                                                                                        Pass
                                                                                                   Fail
          1
                      Cause EUT to send a Type 2 data status message to QE1
                      Check that QE1 receives the data status message
          2
                                                                                         Yes
                                                                                                    No
Observations:
```

	To	est Description			
Identifier:	TD_PMR_0825_03	Test Purpose:	TP_PM	R_0825_03	
Summary:	'Support receiving of type 2	CSF group data status message	es'		
Roles:	CSF	Configuration:	CF_IDF	MRCSF_01	
References:	RQ_001_0825				
powersave EUT in st } ensure that { when { QE1_User s then { EUT_User r }	E1 using same Group_ID as _disabled) and andby ends a T2_Status_Message eceives the T2_Status_Me	to EUT } ssage }			
Pre-test conditions:	Select same RF channel for Select or enter a talkgroup a	both QE1 and EUT			
Step	ů :	Test Sequence		Ver	dict
-		·		Pass	Fail
1	Cause QE1 to send a Type	2 data status message to EUT			
2	Check that EUT receives th	e data status message		Yes	No
Observations:					

```
Test Description
Identifier:
                     TD_PMR_0825_04
                                                    Test Purpose:
                                                                          TP_PMR_0825_04
Summary:
                     'Support sending of type 2 CSF group data status messages'
Roles:
                     CSF
                                                    Configuration:
                                                                         CF_IDPMRCSF_01
References:
                     RQ_001_0825
-- CSF QE1 and EUT
with {
          (EUT and QE1 using same {\tt Group\_ID} and
          powersave_disabled) and
          QE1 in standby
    }
ensure that {
  when { EUT_User sends a T2_Status_Message to QE1 }
 then { QE1 User receives the T2 Status Message }
  Select same RF channel for both QE1 and EUT
Pre-test conditions:
                     Select or enter a talkgroup address of QE1 on EUT
       Step
                                            Test Sequence
                                                                                        Verdict
                                                                                   Pass
                                                                                               Fail
         1
                     Cause EUT to send a Type 2 data status message to QE1
                     Check that QE1 receives the data status message
                                                                                    Yes
         2
                                                                                               No
Observations:
```

	Test Description					
Identifier:	TD_PMR_0827_01 T	est Purpose:	TP_PM	R_0827_01		
Summary:	'Support receiving of type 2 ISF group d	apport receiving of type 2 ISF group data precoded messages'				
Roles:	ISF C	onfiguration:	CF_IDF	PMRISF_01		
References:	RQ_001_0827, RQ_001_0827					
powersave EUT in st } ensure that { when { QE1_User s	E1 using same Common_ID and _disabled) and andby ends a T2_Precoded_Data_Message to eceives the T2_Precoded_Data_Messa					
	*************	xxxxxxxxx				
Pre-test conditions:	Select same RF channel for both QE1 a Select same Common ID on both QE1 a Select a precoded message on QE1					
Step	Test Seque	nce		Ver	dict	
-				Pass	Fail	
1	Cause QE1 to send a Type 2 precoded	data message to EUT				
2	Check that EUT receives the precoded	data message		Yes	No	
Observations:						

```
Test Description
Identifier:
                      TD_PMR_0827_02
                                                        Test Purpose:
                                                                               TP_PMR_0827_02
Summary:
                      'Support sending of type 2 ISF group data precoded messages'
Roles:
                                                        Configuration:
                                                                               CF_IDPMRISF_01
                      ISF
References:
                      RQ_001_0827, RQ_001_0827
-- ISF QE1 and EUT
with {
          (EUT and QE1 using same Common_ID and
           powersave_disabled) and
           QE1 in standby
    }
ensure that {
  when { EUT_User sends a T2_Precoded_Data_Message to QE1 }
  then { QE1_User receives the T2_Precoded_Data_Message }
  Pre-test conditions:
                      Select same RF channel for both QE1 and EUT
                      Select same Common ID on both QE1 and EUT
                      Select a precoded data message on EUT
                                                                                             Verdict
        Step
                                              Test Sequence
                                                                                         Pass
                                                                                                    Fail
                      Cause EUT to send a Type 2 precoded data message to QE1
          1
          2
                      Check that QE1 receives the precoded data message
                                                                                         Yes
                                                                                                    No
Observations:
```

	Tes	t Description			
Identifier:	TD_PMR_0827_03	Test Purpose:	TP_I	PMR_0827_03	3
Summary:	'Support receiving of type 2 CS	SF group data precoded mess	ages'		
Roles:	CSF	Configuration:	CF_I	IDPMRCSF_0	1
References:	RQ_001_0827				
CSF QE1 and EUT					
with { (EUT and QF	Il using same Group_ID and powersave disabled) and				
EUT in sta	-				
}	2				
ensure that {					
	ends a T2_Precoded_Data_Me				
then { EUT_User re	eceives the T2_Precoded_Da	ta_Message }			
}					
xxxxxxxxxxxxxx		····			
Pre-test conditions:	Select same RF channel for be	oth OF1 and FUT			
i io toot oonamono.	Select or enter a talkgroup add				
	Select a precoded message of				
Step		st Sequence		Vo	rdict
Step	16	si Sequence			Fail
	0 0547 1 7 0		_	Pass	Ган
1	Cause QE1 to send a Type 2	Ŭ	I		
2	Check that EUT receives the p	precoded data message		Yes	No
Observations:					

```
Test Description
Identifier:
                      TD_PMR_0827_04
                                                        Test Purpose:
                                                                               TP_PMR_0827_04
Summary:
                      'Support sending of type 2 CSF group data precoded messages'
Roles:
                                                        Configuration:
                                                                               CF_IDPMRCSF_01
                      CSF
References:
                      RQ_001_0827
-- CSF QE1 and EUT
with {
          (EUT and QE1 using same Group_ID and
                        powersave_disabled) and
           QE1 in standby
     }
ensure that {
  when { EUT_User sends a T2_Precoded_Data_Message to QE1 }
  then { QE1_User receives the T2_Precoded_Data_Message }
  Pre-test conditions:
                      Select same RF channel for both QE1 and EUT
                      Select or enter a talkgroup address for QE1 on EUT
                       Select a precoded message on EUT
                                                                                              Verdict
        Step
                                               Test Sequence
                                                                                                    Fail
                                                                                         Pass
                       Cause EUT to send a Type 2 precoded data message to QE1
          1
          2
                       Check that QE1 receives the precoded data message
                                                                                          Yes
                                                                                                     No
Observations:
```

	Test	Description			
Identifier:	TD_PMR_0829_01	Test Purpose:	TP_	PMR_0829_01	
Summary:	'Support receiving of type 2 ISF	group data free text message	es'		
Roles:	ISF	Configuration:	CF_	IDPMRISF_01	
References:	RQ_001_0829, RQ_001_0829				
ISF QE1 and EUT with { (EUT and QE EUT in sta	I using same Common_ID and powersave_disabled) and ndby				
	nds a T2_Freetext_Data_Mes ceives the T2_Freetext_Dat				
	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx				
Pre-test conditions:	Select same RF channel for bo Select same Common ID for bo Enter a free text message on C	th QE1 and EUT			
Step	Tes	t Sequence		Ver	dict
_				Pass	Fail
1	Cause QE1 to send a Type 2 d	ata free text message to EUT			
2	Check that EUT receives the da	ata text message		Yes	No
Observations:			•		•

```
Test Description
Identifier:
                     TD_PMR_0829_02
                                                    Test Purpose:
                                                                         TP_PMR_0829_02
Summary:
                     'Support sending of type ISF 2 group data free text messages'
                                                    Configuration:
                                                                         CF_IDPMRISF_01
Roles:
                     ISF
References:
                     RQ_001_0829, RQ_001_0829
-- ISF QE1 and EUT with { (EUT and
         (EUT and QE1 using same Common_ID and
                      powersave_disabled) and
    }
ensure that {
  when { EUT_User sends a T2_Freetext_Data_Message to QE1 }
  then { QE1 User receives the T2 Freetext Data Message }
  Pre-test conditions:
                     Select same RF channel for both QE1 and EUT
                     Select same Common ID for both QE1 and EUT
                     Enter a free text message on EUT
                                                                                     Verdict
       Step
                                           Test Sequence
                                                                                 Pass
                                                                                            Fail
         1
                     Cause EUT to send a Type 2 data free text message to QE1
         2
                     Check that QE1 receives the data text message
                                                                                  Yes
                                                                                             No
Observations:
```

	Tes	st Description			
Identifier:	TD_PMR_0829_03	Test Purpose:	TP_F	PMR_0829_0	3
Summary:	'Support receiving of type 2	CSF group data free text messa	ges'		
Roles:	CSF	Configuration:	CF_I	DPMRCSF_C)1
References:	RQ_001_0829				
CSF QE1 and EUT	•				
with $\{$ (EUT and \emptyset	<pre>DE1 using same Group_ID ar powersave_disabled) ar</pre>				
EUT in st					
}	2				
ensure that {					
	sends a T2_Freetext_Data_M				
then { EUT_User r	receives the T2_Freetext_D	Data_Message }			
}					
xxxxxxxxxxxxxx	·×××××××××××××××××××××××××××××××××××××	······································			
Pre-test conditions:	Select same RF channel for	both QE1 and EUT			
	Select or enter a talkgroup a	address for EUT on QE1			
	Enter a free text message or				
Step	Te	est Sequence		Ver	dict
•		·		Pass	Fail
1	Cause QE1 to send a Type 2	2 data free text message to EUT	-		
2	Check that EUT receives the			Yes	No
Observations:				•	

```
Test Description
Identifier:
                       TD_PMR_0829_04
                                                         Test Purpose:
                                                                                TP_PMR_0829_04
Summary:
                       'Support sending of type 2 CSF group data free text messages'
Roles:
                                                         Configuration:
                                                                                CF_IDPMRCSF_01
                      CSF
References:
                      RQ_001_0829
-- CSF QE1 and EUT
with {
          (EUT and QE1 using same Group_ID and
                        powersave_disabled) and
           QE1 in standby
     }
ensure that {
  when { EUT_User sends a T2_Freetext_Data_Message to QE1 }
  then { QE1_User receives the T2_Freetext_Data_Message }
  Pre-test conditions:
                       Select same RF channel for both QE1 and EUT
                       Select or enter a talkgroup address for QE1 on EUT
                       Enter a free text message on EUT
                                                                                             Verdict
        Step
                                              Test Sequence
                                                                                                     Fail
                                                                                         Pass
                       Cause EUT to send a Type 2 data free text message to QE1
          1
          2
                       Check that QE1 receives the data text message
                                                                                          Yes
                                                                                                      No
Observations:
```

	Test Descr	iption		
Identifier:	TD_PMR_0830_01	Test Purpose: TP	_PMR_0830_01	
Summary:	'Support receiving of type 2 ISF group	data short file transfer'		
Roles:	ISF	Configuration: CF	_IDPMRISF_01	
References:	RQ_001_0830, RQ_001_0830			
EUT in st } ensure that { when { QE1_User m	El using same Common_ID and powersave_disabled) and andby akes a T2_Short_File_Transfer to eceives the T2_Short_File_Transfe			
xxxxxxxxxxxxxxx	<u> </u>	xxxxxxxxxx		
Pre-test conditions:	Select same RF channel for both QE Select same Common ID for both QE Interface QE1 to the data file source Interface EUT to the data file receivin	1 and EUT equipment		
Step	Test Sequ	9	Ver	dict
•	·		Pass	Fail
1	Cause QE1 to make a Type 2 data sh	ort file transfer to EUT		
2	Check that EUT receives and outputs equipment		Yes	NO
Observations:				

```
Test Description
Identifier:
                       TD_PMR_0830_02
                                                          Test Purpose:
                                                                                 TP_PMR_0830_02
Summary:
                       'Support sending of type 2 ISF group data short file transfer'
Roles:
                                                          Configuration:
                                                                                 CF_IDPMRISF_01
References:
                       RQ_001_0830, RQ_001_0830
-- ISF QE1 and EUT
with {
           (EUT and QE1 using same Common_ID and
                         powersave_disabled) and
            QE1 in standby
     }
ensure that {
  when { EUT_User makes a T2_Short_File_Transfer to QE1 }
  then { QE1_User receives the T2_Short_File_Transfer }
   Pre-test conditions:
                       Select same RF channel for both QE1 and EUT
                       Select same Common ID for both QE1 and EUT
                       Interface EUT to the data file source equipment
                       Interface QE1 to the data file receiving equipment
        Step
                                                Test Sequence
                                                                                                Verdict
                                                                                           Pass
                                                                                                       Fail
                       Cause EUT to make a Type 2 data short file transfer to QE1
                       Check that QE1 receives and outputs the data file to the receiving
          2
                                                                                            Yes
                                                                                                        No
                       equipment
Observations:
```

	7	Test Description			
ldentifier:	TD_PMR_0830_03	Test Purpose:	TP_PMF	R_0830_03	3
Summary:	'Support receiving of type	2 CSF group data short file transfer	•		
Roles:	CSF	Configuration:	CF_IDP	MRCSF_0	1
References:	RQ_001_0830				
EUT in s } ensure that { when { QE1_User	makes a T2_Short_File_Tr	and cansfer to EUT }			
}	receives the T2_Short_Fi	le_Transfer }			
}	receives the T2_Short_Fi				
} xxxxxxxxxxxxx	Select same RF channel f Select or enter a talkgroup Interface QE1 to the data	or both QE1 and EUT o address for EUT on QE1 file source equipment			
} xxxxxxxxxxxxx	Select same RF channel f Select or enter a talkgroup	or both QE1 and EUT o address for EUT on QE1 file source equipment		Vero	dict
} xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Select same RF channel f Select or enter a talkgroup Interface QE1 to the data	or both QE1 and EUT on QE1 and EUT on QE1 file source equipment file receiving equipment		Vero Pass	dict Fail
} xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Select same RF channel f Select or enter a talkgroup Interface QE1 to the data Interface EUT to the data	or both QE1 and EUT on QE1 and EUT on QE1 file source equipment file receiving equipment			
} xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Select same RF channel f Select or enter a talkgroup Interface QE1 to the data Interface EUT to the data Cause QE1 to make a Typ	or both QE1 and EUT o address for EUT on QE1 file source equipment file receiving equipment Test Sequence	ving		

```
Test Description
Identifier:
                       TD_PMR_0830_04
                                                        Test Purpose:
                                                                               TP_PMR_0830_04
Summary:
                       'Support sending of type 2 CSF group data short file transfer'
Roles:
                                                         Configuration:
                      CSF
                                                                               CF_IDPMRCSF_01
References:
                      RQ_001_0830
-- CSF QE1 and EUT
with {
          (EUT and QE1 using same Group_ID and
                        powersave_disabled) and
           QE1 in standby
     }
ensure that {
        { EUT_User makes a T2_Short_File_Transfer to QE1 } { QE1_User receives the T2_Short_File_Transfer }
  when
   Pre-test conditions:
                       Select same RF channel for both QE1 and EUT
                       Select or enter a talkgroup address of QE1 on EUT
                       Interface EUT to the data file source equipment
                       Interface QE1 to the data file receiving equipment
        Step
                                               Test Sequence
                                                                                              Verdict
                                                                                         Pass
                                                                                                     Fail
                       Cause EUT to make a Type 2 data short file transfer to QE1
          2
                       Check that QE1 receives and outputs the data file to the receiving
                                                                                          Yes
                                                                                                      No
                       equipment
Observations:
```

End group 1.3.4.2

5.1.3.4.3 voice

Group 1.3.4.3 'Voice'

	Te	st Description			
dentifier:	TD_PMR_0801_01	Test Purpose:	TP_PI	MR_0801_01	
Summary:	'A radio can be called by anot	her'			
Roles:	ISF	Configuration:	CF_ID	PMRISF_01	
References:	RQ_001_0801, RQ_001_080	1			
EUT in stance of the stance of	powersave_disabled and using_compatible_vocod andby akes a PTT_Call to EUT } eceives the PTT_Call }	l			
xxxxxxxxxxxxxx	**********	xxxxxxxxxxxxxx			
Pre-test conditions:	Select same RF channel and		d EUT		
Step	Tes	st Sequence		Verd	dict
				Pass	Fail
1	Cause QE1 to make a PTT ca	all to EUT			
2	EUT receives the PTT call			Yes	No
Observations:		·			

```
Test Description
Identifier:
                    TD_PMR_0801_02
                                                   Test Purpose:
                                                                       TP_PMR_0801_02
Summary:
                    'A radio can call another'
                                                   Configuration:
Roles:
                    ISF
                                                                       CF_IDPMRISF_02
References:
                    RQ_001_0801
-- ISF QE1 and EUT with { (EUT and
         (EUT and QE1 using same Common_ID and
                      powersave_disabled and
                      using_compatible_vocoders) and
          EUT in standby
ensure that {
 when { EUT User makes a PTT Call }
 then { QE1_User receives the PTT_Call }
  Pre-test conditions:
                    Select same RF channel and Common ID for both QE1 and EUT
                                                                                     Verdict
       Step
                                          Test Sequence
                                                                                Pass
                                                                                            Fail
         1
                    Cause EUT to make a PTT call to QE1
         2
                    QE1 receives the PTT call
                                                                                 Yes
                                                                                            No
```

```
End group 1.3.4.3
End group 1.3.4
End group 1.3
```

Observations:

5.1.4 late entry

Group 1.4 'Late Entry'

	Tes	t Description			
ldentifier:	TD_PMR_0802_01	Test Purpose:	TP_PMF	R_0802_0	1
Summary:	'Support of Late Entry for ISF	:			
Roles:	ISF	Configuration:	CF_IDPI	MRISF_0	1
References:	RQ_001_0802, RQ_001_080)2			
ISF QE1 and EUT	·				
with { (EUT and	QE1 using the same Common_				
	powersave_disabled and				
	using_compatible_vocod	ers) and			
	ched_off and	3			
QEl is t	ransmitting a PTT_Call add	ressed to the EUT			
then { EUT_User }	<pre>vitched_on } receives the remainder of xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx</pre>	_	rt delay' }		
Pre-test conditions:	Select same RF channel and	Common ID for both QE1 and	d EUT		
Step	Te	st Sequence		Verdict	
-		•		Pass	Fail
1	Switch off EUT				
2	Cause QE1 to make a PTT of	all to EUT			
3	Switch on EUT				
4	Check that EUT starts to rece	eive the PTT call after a short	delay	Yes	No
Observations:			-		

```
Test Description
Identifier:
                     TD_PMR_0802_02
                                                    Test Purpose:
                                                                         TP_PMR_0802_02
Summary:
                     'Support of Late Entry by CSF with individual address'
Roles:
                     CSF
                                                    Configuration:
                                                                         CF_IDPMRCSF_01
References:
                    RQ_001_0802, RQ_001_0802
-- CSF QE1 and EUT
with {
         (EUT and QE1 powersave_disabled and
                      using_compatible_vocoders) and
          EUT switched off and
          QE1 is transmitting an Individual Call addressed to the EUT
ensure that {
  when { EUT is switched on }
  then { EUT_User receives the remainder of the Individual_Call after a 'short delay' }
 Pre-test conditions:
                     Select same RF channel for both QE1 and EUT
                     Select or enter the individual address of EUT on QE1
       Step
                                          Test Sequence
                                                                                     Verdict
                                                                                 Pass
                                                                                           Fail
                     Switch off EUT
         1
                     Cause QE1 to make an individual call to EUT
         2
                     Switch on EUT
         3
         4
                     Check that EUT starts to receive the call after a short delay
                                                                                            No
                                                                                 Yes
Observations:
```

	Te	st Description		
Identifier:	TD_PMR_0802_03	Test Purpose:	TP_PMR_0802_0	3
Summary:	'Support of Late Entry by CS	SF with wildcard address'		
Roles:	CSF	Configuration:	CF_IDPMRCSF_0)1
References:	RQ_001_0802, RQ_001_08	302		
CSF QE1 and EUT				
with $\{$ (EUT and $($	QE1 powersave_disabled and			
	using_compatible_vocod	ders) and		
	ched_off and ransmitting a Group Call a	addragged to the FIFE		
QEI IS C.	ransmiccing a Group_cair a	addressed to the Eur		
when { EUT is switchen { FIIT User				
, –		the Group_Call after a 's	hort delay' }	
} xxxxxxxxxxxxx	××××××××××××××××××××××××××××××××××××××	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	hort delay' }	
} xxxxxxxxxxxxx	Select same RF channel for	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	hort delay' }	
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Select same RF channel for Select or enter a wildcard gr	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx		dict
xxxxxxxxxxxxxxx	Select same RF channel for Select or enter a wildcard gr	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	hort delay' } Vere	dict Fail
- xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Select same RF channel for Select or enter a wildcard gr	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Verd	
Pre-test conditions:	Select same RF channel for Select or enter a wildcard gr	both QE1 and EUT roup address for EUT on QE1 est Sequence	Verd	
Pre-test conditions: Step	Select same RF channel for Select or enter a wildcard gr	both QE1 and EUT roup address for EUT on QE1 est Sequence	Verd	
Pre-test conditions: Step 1 2	Select same RF channel for Select or enter a wildcard grant To Switch off EUT Cause QE1 to make a wildcard grant Switch on EUT	both QE1 and EUT roup address for EUT on QE1 est Sequence	Verd Pass	

	Test Description			
Identifier:	TD_PMR_0802_04 Test Purpose:	TP	P_PMR_0802	_04
Summary:	'Support of Late Entry by CSF with Talk Group address'	•		
Roles:	CSF Configuration:	CF	_IDPMRCSF	_01
References:	RQ_001_0802, RQ_001_0802			
EUT switc QE1 is tr } ensure that { when { EUT is swi	DEI with powersave_disabled and using_compatible_vocoders) and ched_off and cansmitting a TalkGroup_Call addressed to the EUT .tched_on } ceceives the remainder of the TalkGroup Call after a	a 'sho	rt delav! }	
} xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx Pre-test conditions:	Select same RF channel for both QE1 and EUT Select or enter a talkgroup address for EUT on QE1			
Step	Test Sequence		Verdict	
0.0p			Pass	Fail
1	Switch off EUT			
2	Cause QE1 to make a talkgroup call to EUT			
3	Switch on EUT			
4	Check that EUT starts to receive the call after a short delay		Yes	No
Observations:				

End group 1.4

5.1.5 powersave

Group 1.5 'Powersave'
End group 1.5

5.1.6 talking party ID

Group 1.6 'Talking Party ID'

	Test	Description		
Identifier:	TD_PMR_0803_01	Test Purpose:	TP_PMR_0803_0	1
Summary:	'Support of Talking Party ID'	·		
Roles:	CSF	Configuration:	CF_IDPMRCSF_0)1
References:	RQ_001_0803, RQ_001_0803	1		
EUT in s } ensure that { when { QE1_User }	QE1 with powersave_disabled) tandby makes an Individual_Call to ates the address of QE1 }			
xxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx		
Pre-test conditions:	Select same RF channel for bo	oth QE1 and EUT		
	Select or enter the address for	EUT on QE		
Step	Tes	t Sequence	Ver	dict
			Pass	Fail
1	Cause QE1 to make an individ	ual call to EUT		
2	Check that EUT displays the a	ddress (ID) of QE1	Yes	No
Observations:			·	

```
Test Description
Identifier:
                      TD_PMR_0803_02
                                                      Test Purpose:
                                                                            TP_PMR_0803_02
Summary:
                      'Support of Talking Party ID'
                     CSF
                                                      Configuration:
Roles:
                                                                            CF_IDPMRCSF_01
References:
                     RQ_001_0803
-- CSF QE1 and EUT
          (EUT and QE1 with powersave_disabled) and
with {
           EUT in standby
ensure that {
        { QE1_User makes a Group_Call to EUT } { EUT indicates the address of QE1 }
  when
  then
 Pre-test conditions:
                     Select same RF channel for both QE1 and EUT
                      Select or enter a group address for EUT on QE
                                                                                     Verdict
        Step
                                          Test Sequence
                                                                                Pass
                                                                                            Fail
                      Cause QE1 to make a group call to EUT
         1
         2
                      Check that EUT displays the address (ID) of QE1
                                                                                 Yes
                                                                                             No
Observations:
```

End group 1.6 End group 1

5.1.7 Slow User Data

Group 1.7 'Slow User Data'

	Test Description		
Identifier:	TD_PMR_0836_01 Test Purpose:	TP_PMR_0836_0	1
Summary:	'Support receiving of CSF slow user data'	•	
Roles:	CSF Configuration:	CF_IDPMRCSF_0)1
References:	RQ_001_0836, RQ_001_0836	·	
QE1 prese EUT in st } ensure that { when { QE1_User	QE1 using same Group_ID and powersave_disabled and using_compatible_vocoders) and t_with_SLD_test_data and andby makes a Group_SLD_Call to EUT } receives the Group_Call and the SLD_test_data }		
	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx		
Pre-test conditions:	Select same RF channel for both QE1 and EUT Select or enter a talkgroup address of EUT on QE1 Preset QE1 with 4 bytes of Slow User Data		
Step	Test Sequence	Ver	dict
·	·	Pass	Fail
1	Cause QE1 to make a voice call to EUT		
2	Check that EUT receives the voice call	Yes	No
3	Check that EUT receives the 4 bytes of slow user data	Yes	No
Observations:			

```
Test Description
Identifier:
                     TD_PMR_0836_02
                                                    Test Purpose:
                                                                         TP_PMR_0836_02
Summary:
                     'Support sending of CSF slow user data'
                                                    Configuration:
Roles:
                                                                         CF_IDPMRCSF_01
References:
                    RQ_001_0836, RQ_001_0836
-- CSF QE1 and EUT
with {
         (EUT and QE1 using same Group_ID and
                      powersave_disabled and
                      using compatible vocoders) and
          EUT preset_with_SLD_test_data and
          QE1 in standby
ensure that {
  when { EUT_User makes a Group_SLD_Call to QE1 }
        { QE1_User receives the Group_Call and the SLD_test_data }
  then
  Pre-test conditions:
                    Select same RF channel for both QE1 and EUT
                     Select or enter a talkgroup address of QE1 on EUT
                     Preset EUT with 4 bytes of Slow User Data
       Step
                                                                                     Verdict
                                         Test Sequence
                                                                                            Fail
                                                                                Pass
                     Cause EUT to make a voice call to QE1
         2
                     Check that QE1 receives the voice call
                                                                                 Yes
                                                                                             No
         3
                     Check that QE1 receives the 4 bytes of slow user data
                                                                                 Yes
                                                                                            No
Observations:
```

	Test Description		
dentifier:	TD_PMR_0836_03 Test Purpose:	TP_PMR_0836_03	3
Summary:	Support receiving of ISF slow user data	<u>.</u>	
Roles:	ISF Configuration:	CF_IDPMRISF_01	
References:	RQ_001_0836		
QE1 preset EUT in standard } ensure that { when { QE1_User to	QE1 using same Common_ID and powersave_disabled and using_compatible_vocoders) and t_with_SLD_test_data and andby makes a PTT_Call to EUT } receives the PTT_Call and the SLD_test_data }		
·- xxxxxxxxxxxxxxx	***************************************		
Pre-test conditions:	Select same RF channel for both QE1 and EUT Select or enter Common ID of QE1 on EUT Preset QE1 with 4 bytes of Slow User Data		
Step	Test Sequence	Verd	lict
-		Pass	Fail
1	Cause QE1 to make a voice call to EUT		
2	Check that EUT receives the voice call	Yes	No
3	Check that EUT receives the 4 bytes of slow user data	Yes	No
Observations:			

	Test De	scription			
Identifier:	TD_PMR_0836_04	Test Purpose:	TP_F	PMR_0836_04	4
Summary:	Support sending of ISF slow user	data			
Roles:	ISF	Configuration:	CF_I	DPMRISF_01	
References:	RQ_001_0836				
EUT preset QE1 in sta } ensure that { when { EUT_User ma	El using same Common_ID and powersave_disabled and using_compatible_vocoders) c_with_SLD_test_data and andby akes a PTT_Call to QE1 } eceives the PTT_Call and the				
	······································				
Pre-test conditions:	Select same RF channel for both				
	Select or enter Common ID of QE Preset EUT with 4 bytes of Slow				
Step	<u> </u>	equence		Verd	dict
Осер	1031 0	cquente		Pass	Fail
1	Cause EUT to make a voice call	o QE1		1 2300	
2	Check that QE1 receives the voice			Yes	No
3	Check that QE1 receives the 4 by	rtes of slow user data		Yes	No
Observations:					-

5.2 CSF

Group 2 'CSF'

5.2.1 broadcast call

Group 2.1 'Broadcast Call'
End group 2.1

5.2.2 dialling plan

Group 2.2 'Dialling Plan'

	Tes	st Description			
ldentifier:	TD_PMR_1403_01	Test Purpose:	TP_	PMR_1403_0	1
Summary:	'The user should enter or se	lect a string of digits and then	oress a bu	itton to initiate	the call'
Roles:	CSF	Configuration:	CF_	IDPMRCSF_0)1
References:	RQ_001_1403, RQ_001_14	03			
EUT Compli } ensure that { when { EUT_User of then { QE1_User of }	TI in standby and .es_with_Standard_User_Int enters or selects an addre does not receive the Call	ess of QE1 } }			
Pre-test conditions:	Select same RF channel for				
. 10 1001 0011411101101	EUT has Standard User Inte				
	EUT has an individual addre				
	QE1 has an individual addre				
Step	Те	st Sequence		Verd	lict
-				Pass	Fail
1	EUT user enters 1123457				
2	QE1 user does not receive t	he call		Yes	No
Observations:					

```
Test Description
Identifier:
                      TD_PMR_1403_02
                                                        Test Purpose:
                                                                              TP_PMR_1403_02
Summary:
                      'The user should enter a string of digits and then press a button to initiate the call'
Roles:
                                                       Configuration:
                                                                              CF_IDPMRCSF_01
                      CSF
References:
                      RQ_001_1403, RQ_001_1403
with {
         QE1 and EUT in standby and
         EUT Complies_with_Standard_User_Interface
ensure that {
       { EUT_User enters or selects an address of QE1 before EUT_User presses the hash_key or dedicated_send_key }
  when
  then { QE1 User receives the Call }
   Pre-test conditions:
                      Select same RF channel for both QE1 and EUT
                      EUT has Standard User Interface
                      EUT has an individual address of 1123456
                      QE1 has an individual address of 1123457
        Step
                                            Test Sequence
                                                                                        Verdict
                                                                                   Pass
                                                                                               Fail
          1
                      EUT user enters 1123457
                      EUT user presses the dedicated send key
          2
                      QE1 user receives the call
          3
                                                                                               Not
                                                                                    Yes
Observations:
```

	Tes	st Description		
Identifier:	TD_PMR_1412_01	Test Purpose:	TP_PMR_1412_0)1
Summary:	'Some numeric address are r	not permitted'	•	
Roles:	CSF	Configuration:	CF_IDPMRCSF_	01
References:	RQ_001_1412	· .		
QE1 and property of the proper	lies_with_Standard_User_In EUT in standby enters or selects a non_di presses dedicated_send_key ates an error} audible	alable_address and		
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Select same RF channel for			
Pre-test conditions:	Select same RF channel for EUT has Standard User Inte	both QE1 and EUT rface		
111111111111111111111111111111111111111	Select same RF channel for EUT has Standard User Inte	both QE1 and EUT	Vei	rdict
Pre-test conditions:	Select same RF channel for EUT has Standard User Inte	both QE1 and EUT rface	Vel Pass	rdict
Pre-test conditions:	Select same RF channel for EUT has Standard User Inte	both QE1 and EUT rface		1
Pre-test conditions:	Select same RF channel for EUT has Standard User Inte	both QE1 and EUT rface est Sequence		
Pre-test conditions: Step	Select same RF channel for EUT has Standard User Inte Te EUT user enters 0000000	both QE1 and EUT rface est Sequence ated send key		1

```
Test Description
Identifier:
                     TD_PMR_1415_01
                                                   Test Purpose:
                                                                        TP_PMR_1415_01
Summary:
                     'Radio receiving a talkgroup call - using wildcard'
Roles:
                                                   Configuration:
                    CSF
                                                                        CF_IDPMRCSF_01
References:
                    RQ_001_1415
with {
         QE1 and EUT in standby and
         QE1 Complies_with_Standard_User_Interface
ensure that {
 when { QE1\_User enters or selects an EUT address
                       containing an asterisk_symbol 'in one of the last four digits' and
                  presses the hash key or dedicated send key }
 then { EUT_User receives a TalkGroup_Call }
  Pre-test conditions:
                    Select same RF channel for both QE1 and EUT
                    EUT has Standard User Interface
                    EUT is programmed with a 1123456 individual address
                                                                                   Verdict
       Step
                                         Test Sequence
                                                                               Pass
                                                                                         Fail
                     QE1 user enters 112345*
         1
         2
                     QE1 user presses the dedicated send key
                    EUT user receives the Talkgroup call
                                                                               Yes
                                                                                          No
Observations:
```

	Те	st Description			
ldentifier:	TD_PMR_1415_02	Test Purpose:	TP_PM	IR_1415_0	2
Summary:	'Radio receiving a talkgroup	call'	•		
Roles:	CSF	Configuration:	CF_IDF	PMRCSF_0)1
References:	RQ_001_1415				
QE1 Compl QE1 and E } ensure that { when { QE1_User then { EUT_User }	rammed with a talkgroup acies_with_Standard_User_In UT in standby enters or selects the talkgroup_Ca presses the hash_key or dereceives the TalkGroup_Ca xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	kgroup_address of the EUT edicated_send_key } 11 } xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	and		
Step		est Sequence		Verdict	
·		-		Pass	Fail
1	QE1 user enters 1123456				
2	QE1 user presses the dedic	cated send key			
3	EUT user receives the Talk	group call		Yes	No
Observations:				· · · · · · · · · · · · · · · · · · ·	<u> </u>

```
Test Description
Identifier:
                     TD_PMR_1417_01
                                                    Test Purpose:
                                                                         TP_PMR_1417_01
                     'Abbreviated dialled digit to address mapping'
Summary:
Roles:
                     CSF
                                                    Configuration:
                                                                         CF_IDPMRCSF_01
References:
                     RQ_001_1417, RQ_001_1417
with {
         (EUT Complies_with_Standard_User_Interface and
              abbreviated_dialling_available) and
          QE1 in standby
    }
ensure that {
  when { EUT_User enters or selects an abbreviated_dialling_string of QE1 and
                  presses the hash key or dedicated send key }
  then { QE1_User receives the Call }
  Pre-test conditions:
                     Select same RF channel for both QE1 and EUT
                     EUT has Standard User Interface
                     EUTis configured for abbreviated dialling
                                          Test Sequence
                                                                                     Verdict
        Step
                                                                                 Pass
                                                                                            Fail
                     Enter or select an abbreviated dialling string for QE1 on EUT
         1
                     Press the hash key or dedicated send key on EUT
         2
                     Check that QE1 receives the individual call
                                                                                  Yes
                                                                                            No
Observations:
```

	Test Des	cription			
Identifier:	TD_PMR_1417_02	Test Purpose:	TP_PMR_1417_02		
Summary:	'Abbreviated dialling string with wildo	ard and no match'			
Roles:	CSF	Configuration:	CF_IDF	MRCSF_01	
References:	RQ_001_1417, RQ_001_1417				
abbre EUT and QE: EUT and QE: } ensure that { when { EUT_User ended}	des_with_Standard_User_Interface viated_dialling_available) l'addresses are same except for in standby liters or selects the asterisk_s resses the hash_key or dedicate liters not receive the Call }	r last two or more digi	ts'		
xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx			
Pre-test conditions:	Select same RF channel for both QE EUT has Standard User Interface EUTis configured for abbreviated dia EUT and QE1 addresses are same	ılling	digits		
Step	Test Seq	uence		Ver	dict
				Pass	Fail
1	Enter or select * key on EUT				
2	Press the hash key or dedicated ser				
3	Check if QE1 receives the talkgroup	call		No	Yes
Observations:					

```
Test Description
Identifier:
                     TD_PMR_1417_03
                                                    Test Purpose:
                                                                          TP_PMR_1417_03
Summary:
                     'Abbreviated dialling string with wildcard'
Roles:
                                                    Configuration:
                     CSF
                                                                         CF_IDPMRCSF_01
References:
                     RQ_001_1417
with {
         (EUT Complies_with_Standard_User_Interface and abbreviated_dialling_available)
         EUT and QE1 'addresses are same except for the last digit'
          EUT and QE1 in standby
    }
ensure that {
  when { EUT_User enters or selects the asterisk_symbol and
                  presses the dedicated send key
  then { QE1_User receives the Call }
  Pre-test conditions:
                     Select same RF channel for both QE1 and EUT
                     EUT has Standard User Interface
                     EUTis configured for abbreviated dialling
                     EUT and QE1 addresses are same except for last digit
       Step
                                           Test Sequence
                                                                                      Verdict
                                                                                 Pass
                                                                                            Fail
         1
                     Enter or select * key on EUT
                     Press the hash key or dedicated send key on EUT
         2
         3
                     Check if QE1 receives the talkgroup call
                                                                                  Yes
                                                                                             No
Observations:
```

	7	Test Description		
dentifier:	TD_PMR_1418_01	Test Purpose:	TP_PMR_1418_01	
Summary:	'Talkgroup call'	<u> </u>		
Roles:	CSF	Configuration:	CF_IDPMRCSF_01	
References:	RQ_001_1418, RQ_001_1	418		
'an (EUT and) ensure that { when { EUT_User then { QE1_User }	QE1 'addresses having the in standby) enters or selects a maske	ed covering at least one of e same digits outside of the ed_dialling_string of QE1 _symbol 'as the last digit' dedicated_send_key } all }	e mask' and	') and
Pre-test conditions:	Select same RF channel for EUT has Standard User In EUT is configured for mask EUT address digits outside	terface	DE1	
Step		Test Sequence	Verd	dict
•		•	Pass	Fail
1	Enter or select an masked last digit	dialling string for QE1 on EUT v	vith * as the	
2	Press the hash key or dedi	icated send key on EUT		
3	Check that QE1 receives the		Yes	No

```
Test Description
Identifier:
                      TD_PMR_1418_02
                                                        Test Purpose:
                                                                              TP_PMR_1418_02
Summary:
                      'Talkgroup call'
Roles:
                      CSF
                                                       Configuration:
                                                                              CF_IDPMRCSF_01
References:
                      RQ_001_1418, RQ_001_1418
with {
           (EUT Complies_with_Standard_User_Interface and
                abbreviated_dialling_available and
                'an address input mask is enabled covering at least one of the last four digits')
and
            (EUT and QE1 'addresses having the same digits outside of the mask' and
                         in standby)
ensure that {
  when { EUT_User enters or selects an abbreviated_masked_dialling_string of QE1
                    containing an asterisk_symbol 'as the last digit' and
presses the hash_key or dedicated_send_key }
  then { QE1 User receives the TalkGroup Call }
  Pre-test conditions:
                      Select same RF channel for both QE1 and EUT
                      EUT has Standard User Interface
                      EUTis configured for abbreviated dialling
                      EUT is configured for masked dialling
                      EUT address digits outside the dialling mask are same as QE1
                                                                                            Verdict
        Step
                                              Test Sequence
                                                                                       Pass
                                                                                                  Fail
                      Enter or select an abbreviated masked dialling string for QE1 on EUT
          1
                      with * as the last digit
          2
                      Press the hash key or dedicated send key on EUT
          3
                      Check that QE1 receives the talkgroup call
                                                                                        Yes
                                                                                                  No
Observations:
```

	Tes	t Description		
ldentifier:	TD_PMR_1420_01	Test Purpose:	TP_PMR_1420_01	
Summary:	'Broadcast plan'	<u>.</u>		
Roles:	CSF	Configuration:	CF_IDPMRCSF_0)1
References:	RQ_001_1420, RQ_001_142	20		
QE1 'pro QE1 and } ensure that { when { EUT_Usen then { QE1_Usen }	plies_with_Standard_User_Int pgrammed with a talkgroup ad EUT in standby r enters a broadcast_command containing a talkgroup_a presses dedicated_send_key receives the Broadcast_Cal	dress' ddress of QE1 and } 1 }		
	EUT has Standard User Inte	rface		
	EUT has an individual addre			
	QE1 has an individual addre			
Step	Te	est Sequence		dict
			Pass	Fail
1	EUT user enters #1*1123456	•		
2	EUT user presses the dedica	,		
3	QE1 user receives the Broad	lcast call	Yes	No
Observations:				

```
Test Description
Identifier:
                     TD PMR 1420 02
                                                    Test Purpose:
                                                                          TP_PMR_1420_02
Summary:
                     'Broadcast call - abbreviated dialling'
Roles:
                     CSF
                                                    Configuration:
                                                                         CF_IDPMRCSF_01
References:
                     RQ_001_1420, RQ_001_1420
with {
          (EUT Complies_with_Standard_User_Interface and
               abbreviated_dialling_available) and
         EUT and QE1 'addresses differing in one or more of the last digits'
         QE1 and EUT in standby
ensure that {
  when { EUT User enters a broadcast command
                     containing a valid abbreviated_dialling_string of QE1
                       containing 'one or more asterisk symbols' and
                  presses the hash_key or dedicated_send_key }
  then { QE1_User receives the Broadcast_Call }
  Pre-test conditions:
                     Select same RF channel for both QE1 and EUT
                     EUT has Standard User Interface
                     EUT has abbreviated dialling available
                     EUT has an individual address of 1123457
                     QE1 has an individual address of 1123456
                                                                                      Verdict
       Step
                                           Test Sequence
                                                                                 Pass
                                                                                             Fail
                     EUT user enters #1*112345*
         1
         2
                     EUT user presses the dedicated send key
                     QE1 user receives the Broadcast call
         3
                                                                                  Yes
                                                                                             No
Observations:
```

	Test Descri	ption		
Identifier:	TD_PMR_1421_01	Test Purpose:	TP_PMR_1421_0	1
Summary:	'Status call'			
Roles:	CSF	Configuration:	CF_IDPMRCSF_0)1
References:	RQ_001_1421, RQ_001_1421			
QE1 and EUT } ensure that { when { EUT_User en pr then { QE1_User re }	s_with_Standard_User_Interface in standby ters a status_command	n 0 and 31 and f QE1 and _send_key } ng the selected code	e }	
Pre-test conditions:	Select same RF channel for both QE EUT has an individual address of 123 EUT has Standard User Interface QE1 has an individual address of 123	4500		
Step	Test Sequ	ence	Ver	dict
-	-		Pass	Fail
1	EUT user enters #001*1234567			
2	EUT user presses the dedicated send			
3	QE1 user receives the Status call ind	icating 01	Yes	No
Observations:		<u> </u>	·	

```
Test Description
Identifier:
                    TD_PMR_1421_02
                                                   Test Purpose:
                                                                        TP_PMR_1421_02
Summary:
                    'Status call - wrong status code entered'
Roles:
                                                   Configuration:
                    CSF
                                                                       CF_IDPMRCSF_01
References:
                    RQ_001_1421
with {
         EUT Complies_with_Standard_User_Interface
         QE1 and EUT in standby
ensure that {
 when { EUT_User enters a status_command
                           containing a code 'greater than' 31 and
                           containing the address of QE1 and
                  presses the dedicated_send_key }
  then { EUT indicates an error}
  Pre-test conditions:
                    Select same RF channel for both QE1 and EUT
                    EUT has an individual address of 1234500
                    EUT has Standard User Interface
       Step
                                                                                    Verdict
                                         Test Sequence
                                                                                Pass
                                                                                           Fail
                    EUT user enters #032*1234567
                    EUT user presses the dedicated send key
         2
         3
                    EUT indicates an error
                                                                                Yes
                                                                                           No
Observations:
```

	Tes	t Description		
Identifier:	TD_PMR_1423_01	Test Purpose:	TP_PMR_1423_0	1
Summary:	'Force talkgroup service'	·	<u>.</u>	
Roles:	CSF	Configuration:	CF_IDPMRCSF_0	01
References:	RQ_001_1423, RQ_001_142	23		
QE1 and } ensure that { when { EUT_Use	plies_with_Standard_User_Int EUT in standby r enters a talkgroup_command containing the addr presses the dedicated_send r receives the TalkGroup_Cal	ess of QE1 and _key}		
xxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx			
rie-lest conditions	EUT has Standard User Inte			
	EUT has abbreviated dialling			
	EUT has an individual addres			
	QE1 has an individual addres	ss of 1122356		
Step	Te	est Sequence	Ver	dict
•		•	Pass	Fail
1	EUT user enters #6*1122356	6		
2	EUT user presses the dedica	ated send key		
3	QE1 user receives the Talkg		Yes	No
Observations:				

```
Test Description
Identifier:
                     TD PMR 1423 02
                                                    Test Purpose:
                                                                          TP_PMR_1423_02
Summary:
                     'Force talkgroup service - abbreviated dialling'
Roles:
                     CSF
                                                    Configuration:
                                                                         CF_IDPMRCSF_01
References:
                     RQ_001_1423
with {
         (EUT Complies_with_Standard_User_Interface and
              abbreviated_dialling_available) and
          EUT and QE1 'addresses differing in one or more of the last digits'
          QE1 and EUT in standby
ensure that {
  when { EUT User enters a talkgroup command
                         containing a valid abbreviated_dialling_string of QE1 and
                   presses hash_key or dedicated_send_key }
  then { QE1_User receives the TalkGroup_Call }
  Pre-test conditions:
                     Select same RF channel for both QE1 and EUT
                     EUT has Standard User Interface
                     EUT has abbreviated dialling available
                     EUT has an individual address of 1122345
                     QE1 has an individual address of 1122356
                                                                                      Verdict
        Step
                                           Test Sequence
                                                                                 Pass
                                                                                            Fail
                     EUT user enters #6*56
         2
                     EUT user presses dedicated send key
         3
                     QE1 user receives the Talkgroup Call
                                                                                  Yes
                                                                                             No
Observations:
```

	Test Descr	iption				
Identifier:	TD_PMR_1424_01	Test Purpose:	TP_PMR_1424_0	1		
Summary:	'Support of cancel call set-up'					
Roles:	CSF	Configuration:	CF_DPMR_01			
References:	RQ_001_1424, RQ_001_1424					
ISF QE1, QE2 and						
with { (EUT OACSU						
	save_disabled and					
	e_to_own_CC) and ransmitting to OE2					
QEI IS C	Tanamiteting to QE2					
ensure that {						
when { QE1 stops	transmitting after EUT User cand	els an OACSU Call	addressed to QE2 }			
then { QE2_User d	oes not receive the OACSU_Call }	_	,			
}						
Pre-test conditions:	Select same RF channel for both QE1 and EUT					
	EUT has Standard User Interface					
	EUT has OACSU_enabled					
	EUT has powersave disabled					
	EUT is configured to be Polite to owr	Colour Code				
Step	Test Sequ	ience	Ver	dict		
			Pass	Fail		
1	Cause QE1 to make a continuous P	T call to QE2				
2	Cause EUT to set up an OACSU call	to QE2				
3	Does QE2 receive the OACSU call?		No	Yes		
4	Cause EUT to cancel the OACSU ca					
5	Cause QE1 to stop the PTT call to Q	E2				
6	Does QE2 receive the OACSU call		No	Yes		
Observations:						

End group 2.2

5.2.3 individual short data message

Group 2.3 'Individual Short Data Message'

5.2.3.1 ISDM free text message

Group 2.3.1 'ISDM Free Text Message'

	Test De	scription						
Identifier:	TD_PMR_0852_01	Test Purpose:	TP_PMR_0852_0)1				
Summary:	'Support receiving of type 2 CSF	Support receiving of type 2 CSF individual data free text messages'						
Roles:	CSF	Configuration:	CF_IDPMRCSF_	01				
References:	RQ_001_0852, RQ_001_0852							
EUT in st } ensure that { when { QE1_User s	E1 powersave_disabled) and andby ends a T2_Freetext_Data_Messaeceives the T2_Freetext_Data_							
xxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxx						
Pre-test conditions:	Select same RF channel for both QE1 and EUT configured for type Select or enter address of EUT of Select same RF channel for both QE1 and EUT of Select same R	2 data						
Step	Test S	equence	Ver	dict				
			Pass	Fail				
1	Enter a free text message on QE	1						
2	Cause QE1 to send the free text	message to EUT using T2 da	ıta					
3	Check that EUT receives the free	text message	Yes	No				
Observations:				•				

	Te	est Description			
ldentifier:	TD_PMR_0852_02	Test Purpose:	TP	_PMR_0852_0	2
Summary:	'Support sending of type 2	CSF individual data free text me	ssages'		
Roles:	CSF	Configuration:	CF	_IDPMRCSF_0)1
References:	RQ_001_0852				
QE1 in st } ensure that { when { EUT_User s then { QE1_User i } xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	•	_Message addressed to QE1 } _Data_Message } EXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
Step	7	Test Sequence		Ver	dict
				Pass	Fail
1	Enter a free text message of	on EUT			
2	Cause EUT to send the free	e text message to EUT using T2	data :		
3	Check that QE1 receives th	ne free text message		Yes	No

```
Test Description
Identifier:
                      TD_PMR_0853_01
                                                        Test Purpose:
                                                                              TP_PMR_0853_01
Summary:
                      'Support receiving of type 1 CSF individual data free text messages'
                                                       Configuration:
                                                                              CF_IDPMRCSF_01
Roles:
                      CSF
References:
                      RQ_001_0853, RQ_001_0853
-- CSF QE1 and EUT
with {
       (EUT and QE1 powersave_disabled) and
         EUT in standby
ensure that {
        { QE1_User sends a T1_Freetext_Data_Message addressed to EUT } { EUT_User receives the T1_Freetext_Data_Message }
  when
  then
  Pre-test conditions:
                      Select same RF channel for both QE1 and EUT
                      QE1 and EUT configured for type 1 data
                      Select or enter address of EUT on QE1
        Step
                                             Test Sequence
                                                                                           Verdict
                                                                                      Pass
                                                                                                  Fail
          1
                      Enter a free text message on QE1
                      Cause QE1 to send the free text message to EUT using T1 data
          2
                      Check that EUT receives the free text message
          3
                                                                                       Yes
                                                                                                  No
Observations:
```

	Test Desc	ription			
Identifier:	TD_PMR_0853_02	Test Purpose:	TP_PMF	R_0853_0	2
Summary:	'Support sending of type 1 CSF indiv	ridual data free text mess	ages'		
Roles:	CSF	Configuration:	CF_IDPI	MRCSF_C)1
References:	RQ_001_0853				
QE1 in st } ensure that { when { EUT_User s	E1 powersave_disabled) and andby ends a T1_Freetext_Data_Message eceives the T1_Freetext_Data_Me				
xxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxx			
Pre-test conditions:	Select same RF channel for both QE QE1 and EUT configured for type 1 Select or enter address of QE1 on E	data			
Step	Test Seq	uence		Ve	rdict
				Pass	Fail
1	Enter a free text message on EUT				
2	Cause EUT to send the free text me	ssage to QE1 using T1 da	ata		
3	Check that QE1 receives the free te	kt message		Yes	No
Observations:					

End group 2.3.1

5.2.3.2 ISDM precoded message

Group 2.3.2 'ISDM Precoded Message'

	Test D	escription		
Identifier:	TD_PMR_0850_01	Test Purpose:	TP_PMR_085	50_01
Summary:	'Support receiving of type 1 CSF	individual data precoded me	essages'	
Roles:	CSF	Configuration:	CF_IDPMRC	SF_01
References:	RQ_001_0850, RQ_001_0850			
EUT in sta } ensure that { when { QE1_User so then { EUT_User ro }	E1 powersave_disabled) and andby ends a T1_Precoded_Data_Messaccives the T1_Precoded_Data	Message }		
Pre-test conditions:	Select same RF channel for both QE1 and EUT configured for type Select or enter address of EUT	e 1 data		
Step	Test Sequence			Verdict
		•	Pas	s Fail
1	Select a precoded message on 0	QE1		
2	Cause QE1 to send the precoded		data	
3	Check that EUT receives the pre		Ye	s No
Observations:	·	<u>-</u>	•	•

	Te	st Description			
Identifier:	TD_PMR_0850_02	Test Purpose:	TP_PM	IR_0850_0	2
Summary:	'Support sending of type 1 (CSF individual data precoded me	essages'		
Roles:	CSF	Configuration:	CF_IDI	PMRCSF_0)1
References:	RQ_001_0850				
QE1 in st } ensure that { when { EUT_User s	•	Message addressed to QE1 }			
xxxxxxxxxxxxxx		xxxxxxxxxxxxxxxx			
Pre-test conditions:	Select same RF channel for				
	QE1 and EUT configured fo				
	Select or enter address of 0				
Step	Т	est Sequence			dict
				Pass	Fail
1	Select a precoded message	e on EUT			
2	Cause EUT to send the pre-	coded message to QE1 using T1	l data		
3	Check that QE1 receives the	e precoded message		Yes	
				100	No

```
Test Description
Identifier:
                      TD_PMR_0851_01
                                                       Test Purpose:
                                                                             TP_PMR_0851_01
Summary:
                      'Support receiving of type 2 CSF individual data precoded messages'
                                                       Configuration:
                                                                             CF_IDPMRCSF_01
Roles:
                      CSF
References:
                      RQ_001_0851, RQ_001_0851
-- CSF QE1 and EUT
with {
          (EUT and QE1 powersave_disabled) and
           EUT in standby
ensure that {
        { QE1_User sends a T2_Precoded_Data_Message addressed to EUT } { EUT_User receives the T2_Precoded_Data_Message }
  when
  then
  Pre-test conditions:
                      Select same RF channel for both QE1 and EUT
                      QE1 and EUT configured for type 2 data
                      Select or enter address of EUT on QE1
        Step
                                             Test Sequence
                                                                                          Verdict
                                                                                      Pass
                                                                                                 Fail
          1
                      Select a precoded message on QE1
                      Cause QE1 to send the precoded message to EUT using T2 data
          2
                      Check that EUT receives the precoded message
          3
                                                                                       Yes
                                                                                                  No
Observations:
```

	Te	st Description			
dentifier:	TD_PMR_0851_02	Test Purpose:	TP_PMR_0851_02		
Summary:	'Support sending of type 2 (CSF individual data precoded messa	ges'		
Roles:	CSF	Configuration:	CF_IDPMRCSF_0)1	
References:	RQ_001_0851				
QE1 in st } ensure that { when { EUT_User s	•	Message addressed to QE1 $\}$			
- xxxxxxxxxxxxxxx	(XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	xxxxxxxxxxxxxxx			
Pre-test conditions:	Select same RF channel for	both QE1 and EUT			
	QE1 and EUT configured fo	r type 2 data			
	Select or enter address of 0				
Step	Т	est Sequence	Ver	dict	
			Pass	Fail	
1	Select a precoded message	on EUT			
2	Cause EUT to send the pre-	coded message to QE1 using T2 da	ta		
3	Check that QE1 receives the	e precoded message	Yes		
9	Officer that QL 1 receives th	c precoded message	163	No	

End group 2.3.2

5.2.3.3 ISDM short file transfer

Group 2.3.3 'ISDM Short File Transfer'

Test Description						
Identifier:	TD_PMR_0855_01	Test Purpose:	TP_	PMR_0855_	01	
Summary:	'Support receiving of type 3 CSF indiv	Support receiving of type 3 CSF individual data short file transfer'				
Roles:	CSF	Configuration:	CF_	_IDPMRCSF_	_01	
References:	RQ_001_0855, RQ_001_0855					
EUT in sta } ensure that { when { QE1_User ma then { EUT_User re }	the powersave_disabled) and analysis and analysis and the powersave_disabled) and the powersave_disabled) and the powersave_disabled and the powersave and t	oxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx				
Step	Test Seque	nce		Verd		
				Pass	Fail	
1	Input data file for transfer into QE1					
2	Cause QE1 to transfer the data file to					
3	Check that EUT receives and outputs	the data file		Yes	No	
Observations:						

Test Description							
Identifier:	TD_PMR_0855_02	Test Purpose:	TP_PI	MR_0855_02	2		
Summary:	'Support sending of type 3 CSF individ	Support sending of type 3 CSF individual data short file transfer'					
Roles:	CSF	Configuration:	CF_ID	PMRCSF_0	1		
References:	RQ_001_0855						
CSF QE1 and EUT with { (EUT and QE1 powersave_disabled) and							
	Select or enter address of QE1 on EU Interface EUT to the data file source of Interface QE1 to the data file receiving	equipment					
Step	Test Seque	ence		Verd			
				Pass	Fail		
1	Input data file for transfer into EUT						
2	Cause EUT to transfer the data file to	QE1 using T3 data					
3	Check that QE1 receives and outputs	the data file		Yes	No		
Observations:							

```
Test Description
Identifier:
                       TD_PMR_0856_01
                                                         Test Purpose:
                                                                                TP_PMR_0856_01
Summary:
                       'Support receiving of type 2 CSF individual data short file transfer'
                                                         Configuration:
                                                                                CF_IDPMRCSF_01
Roles:
References:
                      RQ_001_0856, RQ_001_0856
-- CSF QE1 and EUT
with {
           (EUT and QE1 powersave_disabled) and
            EUT in standby
ensure that {
        { QE1_User makes a T2_Short_File_Transfer addressed to EUT } { EUT_User receives the T2_Short_File_Transfer }
  when
  then
 Pre-test conditions:
                       Select same RF channel for both QE1 and EUT
                       QE1 and EUT configured for type 2 data
                       Select or enter address of EUT on QE1
                       Interface QE1 to the data file source equipment
                       Interface EUT to the data file receiving equipment
        Step
                                               Test Sequence
                                                                                             Verdict
                                                                                         Pass
                                                                                                     Fail
          1
                       Input data file for transfer into QE1
          2
                       Cause QE1 to transfer the data file to EUT using T2 data
          3
                       Check that EUT receives and outputs the data file
                                                                                         Yes
                                                                                                     No
Observations:
```

	Test Description	1				
Identifier:	TD_PMR_0856_02	t Purpose:	TP_I	PMR_0856_0	12	
Summary:	'Support sending of type 2 CSF individual of	Support sending of type 2 CSF individual data short file transfer				
Roles:	CSF Con	figuration:	CF_	IDPMRCSF_0	01	
References:	RQ_001_0856					
QE1 in st } ensure that { when { EUT_User r	DE1 powersave_disabled) and candby makes a T2_Short_File_Transfer address receives the T2_Short_File_Transfer }	sed to QE1 }				
	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
Pre-test conditions:	Select same RF channel for both QE1 and QE1 and EUT configured for type 2 data Select or enter address of QE1 on EUT Interface EUT to the data file source equipulaterface QE1 to the data file receiving equipulater and period of the source of the data file receiving equipulater and period of the	ment				
Step	Test Sequence			Verd	lict	
				Pass	Fail	
1	Input data file for transfer into EUT					
2	Cause EUT to transfer the data file to QE1	using T2 data				
3	Check that QE1 receives and outputs the o	lata file		Yes	No	
Observations:				•		

```
Test Description
Identifier:
                       TD_PMR_0857_01
                                                         Test Purpose:
                                                                                TP_PMR_0857_01
Summary:
                       'Support receiving of type 1 CSF individual data short file transfer'
                                                         Configuration:
Roles:
                                                                                CF_IDPMRCSF_01
References:
                       RQ_001_0857, RQ_001_0857
-- CSF QE1 and EUT
with {
           (EUT and QE1 powersave_disabled) and
            EUT in standby
ensure that {
        { QE1_User makes a T1_Short_File_Transfer addressed to EUT } { EUT_User receives the T1_Short_File_Transfer }
  when
  then
 Pre-test conditions:
                       Select same RF channel for both QE1 and EUT
                       QE1 and EUT configured for type 1 data
                       Select or enter address of EUT on QE1
                       Interface QE1 to the data file source equipment
                       Interface EUT to the data file receiving equipment
        Step
                                               Test Sequence
                                                                                             Verdict
                                                                                         Pass
                                                                                                    Fail
          1
                       Input data file for transfer into QE1
                       Cause QE1 to transfer the data file to EUT using T1 data
          2
                       Check that EUT receives and outputs the data file
          3
                                                                                         Yes
                                                                                                     No
Observations:
```

	Tes	t Description				
Identifier:	TD_PMR_0857_02	Test Purpose:	TP_PMR_0857_02	2		
Summary:	'Support sending of type 1 CS	Support sending of type 1 CSF individual data short file transfer'				
Roles:	CSF	Configuration:	CF_IDPMRCSF_0	1		
References:	RQ_001_0857					
CSF QE1 and EUT						
	Il powersave_disabled) and	l				
QE1 in sta	indby					
ensure that {						
	akes a T1 Short File Trans	fer addressed to OE1 }				
	eceives the T1 Short File					
}		,				
	requirements from chapter					
Pre-test conditions:	Select same RF channel for b	· · · · · · · · · · · · · · · · · · ·				
	QE1 and EUT configured for t					
	Select or enter address of QE	E1 on EUT				
	Interface EUT to the data file	source equipment				
	Interface QE1 to the data file	receiving equipment				
Step	Te	est Sequence	Ve	rdict		
			Pass	Fail		
1	Input data file for transfer into	EUT				
2	Cause EUT to transfer the da	ta file to QE1 using T1 data				
3	Check that QE1 receives and	outputs the data file	Yes	No		
Observations:		_				

End group 2.3.3

5.2.3.4 ISDM status message

Group 2.3.4 'ISDM Status Message'

Test Description					
Identifier:	TD_PMR_0846_01	Test Purpose:	TP_	PMR_0846_0	1
Summary:	'Support receiving of type 2 CSF in	ndividual data status mess	sages'		
Roles:	CSF	Configuration:	CF_	IDPMRCSF_0)1
References:	RQ_001_0846, RQ_001_0846				
CSF QE1 and EUT with { (EUT and QE1 powersave_disabled) and					
xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxx			
Pre-test conditions:	Pre-test conditions: Select same RF channel for both QE1 and EUT QE1 and EUT configured for type 2 data Select or enter address of EUT on QE1				
Step	Test Sec	quence		Verd	lict
				Pass	Fail
1	Input or select a status message of	n QE1			
2	Cause QE1 to send the status me	ssage to EUT using T2 da	ata		
3	Check that EUT receives the statu	s message		Yes	No
Observations:					

	Tes	st Description		
Identifier:	TD_PMR_0846_02	Test Purpose:	TP_PMR_0846_0	2
Summary:	'Support sending of type 2 C	SF individual data status messag	es'	
Roles:	CSF	Configuration:	CF_IDPMRCSF_0	01
References:	RQ_001_0846			
then { QE1_User : }	sends a T2_Status_Message receives the T2_Status_Mes	ssage }		
Pre-test conditions:	Select same RF channel for QE1 and EUT configured for Select or enter address of C	type 2 data		
Step	Te	est Sequence	Ver	dict
			Pass	Fail
1	Input or select a status mess	<u> </u>		
2	Cause EUT to send the state	us message to QE1 using T2 data	1	
3	Check that QE1 receives the	e status message	Yes	No
Observations:				

Test Description						
Identifier:	TD_PMR_0847_01	Test Purpose:	TP_PMR_0	847_01		
Summary:	'Support receiving of type 1 CSF indiv	upport receiving of type 1 CSF individual data status messages'				
Roles:	CSF	Configuration:	CF_IDPMR	CSF_01		
References:	RQ_001_0847, RQ_001_0847					
CSF QE1 and EUT with { (EUT and QE1 powersave_disabled) and						
Pre-test conditions:	Select same RF channel for both QE1					
re-test conditions.	QE1 and EUT configured for type 1 days Select or enter address of EUT on QI	ata				
Step	Test Sequence	ce	Ver	dict		
•	•		Pass	Fail		
1	Input or select a status message on C	E1				
2	Cause QE1 to send the status messa	ge to EUT using T1 data				
3	Check that EUT receives the status m	essage	Yes	No		
Observations:						

Test Description						
Identifier:	TD_PMR_0847_02	Test Purpose:	TP_PMR_0847_	02		
Summary:	'Support sending of type 1 CSF indiv	pport sending of type 1 CSF individual data status messages'				
Roles:	CSF	Configuration:	CF_IDPMRCSF	_01		
References:	RQ_001_0847					
<pre>with { (EUT and QE QE1 in sta } ensure that { when { EUT_User se</pre>	QE1 in standby } ensure that {					

Pre-test conditions:	Select same RF channel for both QE QE1 and EUT configured for type 1 c Select or enter address of QE1 on E	lata				
Step	Test Seque	ence	Verd	dict		
			Pass	Fail		
1	Input or select a status message on	EUT				
2	Cause EUT to send the status messa	age to QE1 using T1 data				
3	Check that QE1 receives the status r	nessage	Yes	No		
Observations:						

```
End group 2.3.4
End group 2.3
```

5.2.4 OACSU

Group 2.4 'OACSU'

Test Description			
ldentifier:	TD_PMR_0840_01	Test Purpose:	TP_PMR_0840_01
Summary:	'Support receiving of OACSU call'		
Roles:	CSF	Configuration:	CF_IDPMRCSF_01
References:	RQ_001_0840, RQ_001_0840		
CSF QE1 and EUT with { (EUT and	QE1 powersave_disabled and using_compatible_vocoders OACSU_enabled) and	s and	
EUT in } ensure that {	standby		

	makes an OACSU_Call addressed to the EUT } receives the OACSU_Call }			
Pre-test conditions:	Select same RF channel for both QE1 and EUT OACSU is enabled for both QE1 and EUT Select or enter address of EUT on QE1			
Step	Test Sequence	Ver	Verdict	
	·	Pass	Fail	
1	Cause QE1 to set up a voice call with EUT			
2	Check that EUT makes an audible or visual alert of the call set-up request	Yes	No	
3	Cause EUT to acknowledge the call set-up request			
4	Check that QE1 makes an audible or visual alert of the call accepted acknowledgement	Yes	No	
5	Cause QE1 to transmit voice payload			
6	Check that EUT receives the voice call	Yes	No	
Observations:				

Test Description					
Identifier:	TD_PMR_0840_02	Test Purpose: TP	_PMR_0840_0	2	
Summary:	'Support sending of OACSU call'				
Roles:	CSF	Configuration: CF	_IDPMRCSF_0	1	
References:	RQ_001_0840, RQ_001_0840				
QE1 in s } ensure that { when { EUT_User	QE1 powersave_disabled and using_compatible_vocoders and OACSU_enabled) and standby makes an OACSU_Call addressed to receives the OACSU_Call }				
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Select same RF channel for both QE1	and EUT			
	OACSU is enabled for both QE1 and E Select or enter address of QE1 on EU	· · ·			
Step	Test Seg		Ve	rdict	
•			Pass	Fail	
1	Cause EUT to set up a voice call with (QE1			
2	Check that QE1 makes an audible or v		uest Yes	No	
3	Cause QE1 to acknowledge the call se	t-up request			
4	Check that EUT makes an audible or vacknowledgement		Yes	No	
5	Cause EUT to transmit voice payload				
6	Check that QE1 receives the voice cal	I	Yes	No	
Observations:				•	

End group 2.4

5.2.5 short appended data

Group 2.5 'Short Appended Data'

	Test Descri	otion			
Identifier:	TD_PMR_0837_01	Test Purpose:	TP_PI	MR_0837_0	1
Summary:	'Support receiving of CSF appended	data'			
Roles:	CSF	Configuration:	CF_ID	PMRCSF_()1
References:	RQ_001_0837, RQ_001_0837				
CSF QE1 and EUT					
,	El using same Group_ID and powersave_disabled and using_compatible_vocoders) and with_AD_test_data and andby	d			
then { EUT_User re	akes a Group_AD_Call to EUT } eceives the Group_Call and the A				
Pre-test conditions:	Select same RF channel for both QE				
rie-test conditions.	Select or enter a talkgroup address of Preset QE1 with 40 bytes of Data to	f EUT on QE1			
Step	Test Sequ			Verd	lict
•				Pass	Fail
1	Cause QE1 to make a voice call to E	UT			
2	Check that EUT receives voice call			Yes	No
3	Cause QE1 to terminate the voice ca	<u> </u>			
4	Check that EUT receives the 40 byte	of appended data			
Observations:	The test data maybe output from the	EUT to some data red	eiving equi	pment	-

	Test Description			
Identifier:	TD_PMR_0837_02 Test Purpose:	TP_	PMR_0837_	02
Summary:	'Support sending of CSF appended data'			
Roles:	CSF Configuration:	CF_	IDPMRCSF	_01
References:	RQ_001_0837			
EUT preset QE1 in sta } ensure that { when { EUT_User m then { QE1_User r }	akes a Group_AD_Call to QE1 } eceives the Group_Call and the AD_test_data }			
Pre-test conditions:	Select same RF channel for both QE1 and EUT			
	Select or enter a talkgroup address of QE1 on EUT			
	Preset EUT with 40 bytes of Data to be appended			
Step	Test Sequence		Verd	dict
			Pass	Fail
1	Cause EUT to make a voice call to QE1			
2	Check that QE1 receives the voice call		Yes	No
3	Cause EUT to terminate the voice call			
4	Check that QE1 receives the 40 bytes of appended dat	a	Yes	No
Observations:	The test data maybe output from the QE1 to some data	receiving eq	uipment	

Test Description			
Identifier:	TD_PMR_0844_01	Test Purpose:	TP_PMR_0844_01
Summary:	'Support receiving of appended data	.'	
Roles:	CSF	Configuration:	CF_IDPMRCSF_01
References:	RQ_001_0844, RQ_001_0844		
CSF QE1 and EUT			

```
with {
           (EUT and QE1 powersave disabled and
            using_compatible_vocoders) and QE1 preset_with_AD_test_data and
            EUT in standby
ensure that {
        { QE1_User sends a Individual_AD_Call addressed to EUT } 
{ EUT_User receives the Individual_Call and the AD_test_data }
  when
  then
  Pre-test conditions:
                       Select same RF channel for both QE1 and EUT
                       Select or enter address of EUT on QE1
                       Preset QE1 with 40 bytes of appended test data
                                                                                             Verdict
        Step
                                               Test Sequence
                                                                                         Pass
                                                                                                    Fail
                       Cause QE1 to make an individual appended data call to EUT
                       Check that EUT receives the 40 bytes of test data
                                                                                         Yes
                                                                                                     No
Observations:
```

	Tes	st Description			
ldentifier:	TD_PMR_0844_02	Test Purpose:	TP_PMR_0844_	02	
Summary:	'Support sending of appended data'				
Roles:	CSF	Configuration:	CF_IDPMRCSF	_01	
References:	RQ_001_0844				
CSF QE1 and EUT	·				
with $\{$ (EUT and $($	QE1 powersave_disabled and				
	using_compatible_voco	ders) and			
	et_with_AD_test_data and				
QE1 in st	tandby				
}					
when { EUT_User :	sends a Individual_AD_Cal				
when { EUT_User :		l addressed to QE1 } all and the AD_test_data }			
when { EUT_User :					
when { EUT_User :	receives the Individual_Ca				
when { EUT_User : then { QE1_User : } }	receives the Individual_Ca	all and the AD_test_data }			
<pre>when { EUT_User : then { QE1_User : } xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx</pre>	receives the Individual_Co	all and the AD_test_data } xxxxxxxxxxxxxxxxxx both QE1 and EUT			
<pre>when { EUT_User : then { QE1_User : } xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx</pre>	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	all and the AD_test_data } xxxxxxxxxxxxxxxxx both QE1 and EUT QE1 on EUT			
<pre>when { EUT_User : then { QE1_User : } xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx</pre>	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	all and the AD_test_data } xxxxxxxxxxxxxxxxx both QE1 and EUT QE1 on EUT	Verd	dict	
when { EUT_User : then { QE1_User : } } xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	all and the AD_test_data } xxxxxxxxxxxxxxxx both QE1 and EUT QE1 on EUT f appended test data	Verd Pass	dict Fail	
when { EUT_User : then { QE1_User : } } xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	all and the AD_test_data } xxxxxxxxxxxxxxxxxxxx both QE1 and EUT QE1 on EUT f appended test data est Sequence			
then { QE1_User : } xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	all and the AD_test_data } xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx			

End group 2.5

5.2.6 slow user data

Group 2.6 'Slow User Data'

	Test Descrip	tion			
Identifier:	TD_PMR_0843_01				
Summary:	'Support receiving of CSF slow user data'				
Roles:	CSF Configuration: CF_IDPMRCSF_01				
References:	RQ_001_0843, RQ_001_0843				
QE1 preset EUT in sta } ensure that { when { QE1_User se	In powersave_disabled and using_compatible_vocoders) and with_SLD_test_data and undby ends an Individual_SLD_Call addreceives the Individual_Call and	ressed to EUT }			
xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx			
Pre-test conditions:	Select same RF channel for both QE Select or enter address of EUT on Q Preset QE1 with 4 bytes of SLD test)E1			
Step					
_			Pass	Fail	
1	Cause QE1 to make an individual SL	D call to EUT			
2	Check that EUT receives the 4 bytes of SLD test data Yes No				
Observations:					

	Test	Description			
Identifier:	TD_PMR_0843_02 Test Purpose: TP_PMR				
Summary:	Support sending of slow user data'				
Roles:	CSF	Configuration:	CF_IDPMRCSF_01		
References:	RQ_001_0843				
CSF QE1 and EUT					
with { (EUT and	QE1 powersave_disabled and				
	using_compatible_vocod	ders) and			
	et_with_SLD_test_data and				
QE1 in s	tandby				
}					
ensure that {					
		-11 -44 OD1 1			
		all addressed to QE1 }	}		
	receives the Individual_Ca		}		
			}		
		all and the SLD_test_data	}		
then { QE1_User } xxxxxxxxxxxxxxx	receives the Individual_Ca	all and the SLD_test_data	}		
then { QE1_User } xxxxxxxxxxxxxxx	receives the Individual_Ca	all and the SLD_test_data xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	}		
then { QE1_User } xxxxxxxxxxxxxxx	receives the Individual_Ca xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	all and the SLD_test_data coxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	}		
then { QE1_User } xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	all and the SLD_test_data coxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	} Verdict		
then { QE1_User } xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	all and the SLD_test_data EXXXXXXXXXXXXXXXXXXXX both QE1 and EUT QE1 on EUT SLD test data			
then { QE1_User } xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	all and the SLD_test_data EXXXXXXXXXXXXXXXXXXXXX both QE1 and EUT QE1 on EUT SLD test data st Sequence	Verdict		
then { QE1_User } xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	all and the SLD_test_data EXXXXXXXXXXXXXXXXXXXXX both QE1 and EUT QE1 on EUT SLD test data St Sequence vidual SLD call to QE1	Verdict		

End group 2.6

5.2.7 type 3 data

Group 2.7 'Type 3 data'

	Test	Description			
Identifier:	TD_PMR_0808_01			_01	
Summary:	'Support receiving of type 3 CSF short data messages'				
Roles:	CSF Configuration: CF_IDPMRCSF_01			_01	
References:	RQ_001_0808, RQ_001_0808	3			
EUT in sta } ensure that { when { QE1_User sa	E1 with powersave_disabled andby ends a T3_Transmission add eceives the T3_Transmissio	ressed to EUT $\}$			
	· · · · · · · · · · · · · · · · · · ·				
Pre-test conditions:	Select same RF channel for b Select or enter EUT address of				
Step Test Sequence Verdict			rdict		
			Pass	Fail	
1	Cause QE1 to send a Type 3 data message to EUT				
2	Check that EUT receives the data message Yes No			No	
Observations:					

	Tes	st Description			
Identifier:	TD_PMR_0808_02				
Summary:	Support sending of type 3 CSF short data messages'				
Roles:	CSF	Configuration:	CF_IE	DPMRCSF_01	
References:	RQ_001_0808				
QE1 in st } ensure that { when { EUT_User s then { QE1_User r }	E1 with powersave_disabled andby ends a T3_Transmission add eceives the T3_Transmission	dressed to QE1 } on }			
Pre-test conditions:	Select same RF channel for b Select or enter QE1 address	ooth QE1 and EUT			
Step	Step Test Sequence Verdict			lict	
				Pass	Fail
1	Cause EUT to send a Type 3	data message to QE1			
2	Check that QE1 receives the	data message		Yes	No
Observations:		·			

```
End group 2.7
End group 2
```

5.3 ISF

Group 3 'ISF'

	Test Descrip	tion			
Identifier:	TD_PMR_0804_01 Test Purpose : TP_PMR_0804_01			1	
Summary:	Support of 255 Common IDs'				
Roles:	Configuration: CF_IDPMRISF_01			1	
References:	RQ_001_0804, RQ_001_0804				
ISF QE1 and EUT					
with { QE1 and EUT	-				
,	using_compatible_vocoders				
}					
ensure that {	G.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
•	Common_ID between 1 and 254 and				
	ume Common_ID and ukes a Call to EUT }				
then { EUT User re					
}	, , , , , , , , , , , , , , , , , , , ,				
ľ					
xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx			
Pre-test conditions:	Select same RF channel for both QE1	and EUT			
	Select Common ID of 1 to 254 on QE1				
	Select same Common ID on EUT				
Step	Test Sequence Verdict			lict	
				Pass	Fail
1	Cause QE1 to make a call				
2	heck that EUT receives the call Yes No		No		
Observations:				•	•

End group 3

Annex A (normative): dPMR TD test configurations

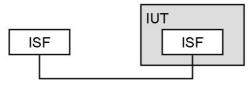


Figure A.1

Annex B (informative): Bibliography

- ETSI ES 202 553: "Methods for testing and Specification (MTS); TPLan: A notation for expressing test Purposes".
- ETSI TS 102 351 (V2.1.1): "Methods for Testing and Specification (MTS); Internet Protocol Testing (IPT); IPv6 Testing: Methodology and Framework".
- ISO/IEC 9646-2: "Information technology Open Systems Interconnection Conformance testing methodology and framework Part 2: Abstract Test Suite specification".

History

Document history			
V1.1.1	July 2008	Publication	