



Technical Specification

**Electromagnetic compatibility  
and Radio spectrum Matters (ERM);  
Interoperability Testing for Maritime  
Digital Selective Calling (DSC) Radios;  
Part 4: Class E Test Descriptions**

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Reference

DTS/ERM-TG26-088-4

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Keywords

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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 4 of a multi-part deliverable. Full details of the entire series can be found in part 1 [i.1].

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# 1 Scope

The present document contains the Test Descriptions (TD) for interoperability testing of the class E DSC radio equipment.

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## 2 References

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

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

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

### 2.1 Normative references

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

- [1] ETSI EN300 338-4: "Electromagnetic compatibility and Radio spectrum Matters (ERM); Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service; Part 4: Class E DSC".

### 2.2 Informative references

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

- [i.1] ETSI TS 101 570-1: "Electromagnetic compatibility and Radio spectrum Matters (ERM); Interoperability Testing for Maritime Digital Selective Calling (DSC) Radios; Part 1: Requirements catalogue".
- [i.2] ETSI EN 300 338-1: "Electromagnetic compatibility and Radio spectrum Matters (ERM); Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service; Part 1: Common requirements".

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## 3 Abbreviations

For the purposes of the present document, the abbreviations given in EN 300 338-1 [i.2] and the following apply:

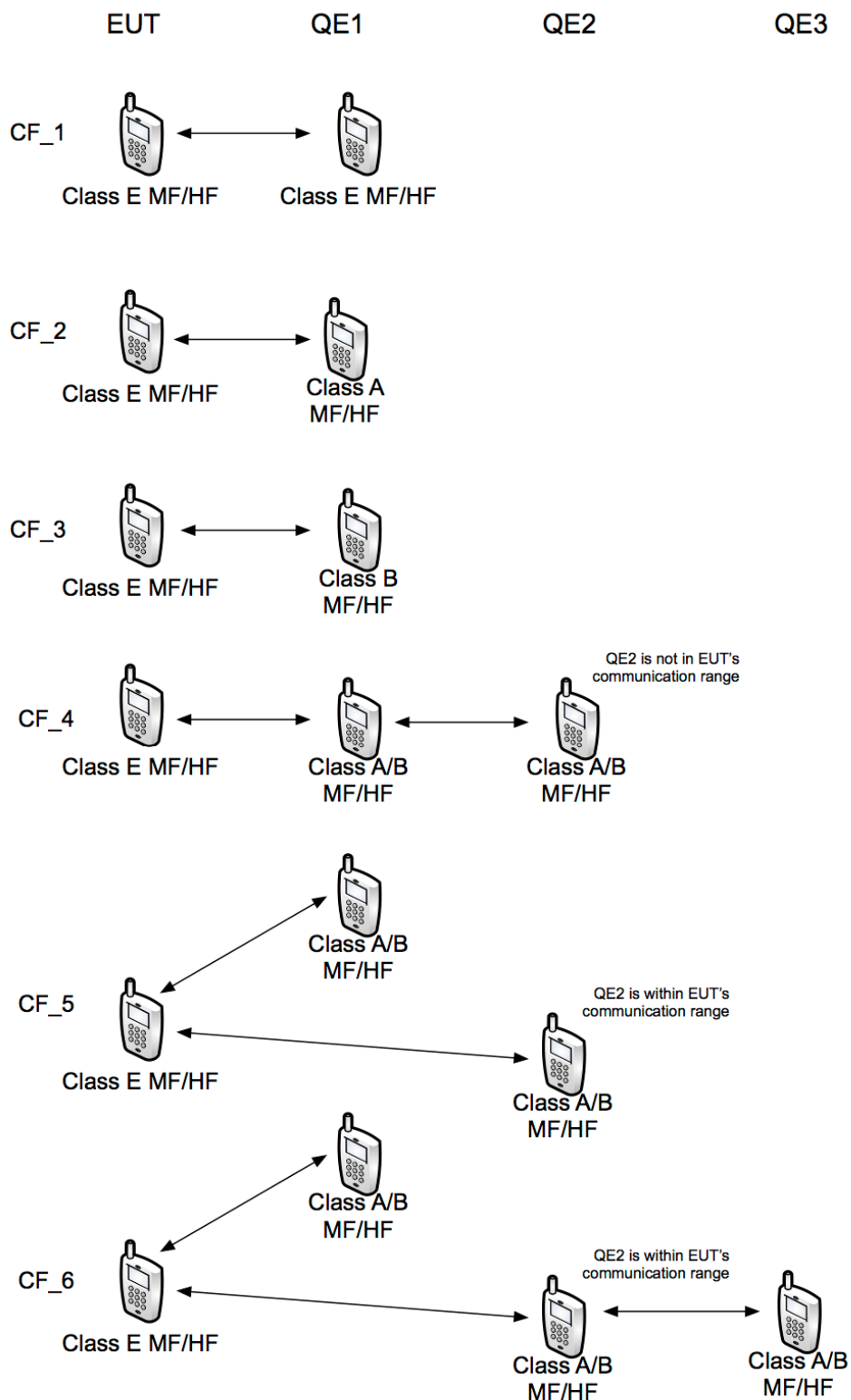
CF	(Test) ConFiguration
EUT	Equipment Under Test
TD	Test Description
TP	Test Purpose
TSS	Test Suite Structure

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## 4 Test Configurations

This clause defines all test configurations used. Each test description refers to one or multiple test configurations. It is assumed that the initial state of all the equipment involved in the test configuration is 'standby', i.e. unless stated otherwise the pre-test conditions of each test description assume standby mode for the equipment.

An arrow connection between devices indicates that these devices are in communication range, i.e. in CFG\_6 EUT, QE1 and QE2 are all in the same communication range. However, QE3 is only in communication range with QE2.



*Note: HF equipment within range receives DSC messages on every frequency band during interoperability testing, which is not always the case in real-life scenarios*

**Figure 1: Configurations for class E EUT**

## 5 Test Suite Structure (TSS)

The following table shows the Test Suite Structure contained in the present document.

Test Group	Test Sub-Group (sub-group ID)
MF/HF radio functions (MFHF)	
	Individual Calls (IC)
	Group Calls (GC)
	Geographic Area Calls (GAC)
	Sending Distress Alerts (SDA)
	Receiving Distress Alerts (RDA)
	Sending Distress Relays and Acknowledgements (SDRA)
	Non-Distress Automated Procedures (NDAP)
	Other Calls (OC)
Interface and other functions (IF)	
	General test (GEN)
	Alarms in standby mode (ASM)
	Alarms when busy (AWB)
	Standby mode interface functions (SMIF)

Each test description is described through a tabular format conforming to the following convention:

Interoperability Test Description			
<b>Identifier:</b>	A unique identifier. The test description identifiers are conforming to the TD_DSC_<GR>_<SGR>_<SN> naming convention, where: <GR> is the Test Group ID (VHF / MFHF) <SGR> is the Test Sub-Group ID <SN> is the sequential number within the test sub-group		
<b>Summary:</b>	Short description of the test objective		
<b>Configuration:</b>	The relevant test configuration, referencing the test set configurations listed in the Annex		
<b>References:</b>	The reference indicates the clauses of the base standard specifications in which the related interoperability requirement is expressed.		
<b>Pre-test conditions:</b>	Defines in which initial state the test equipment has to be to apply the actual test description		
<b>Step</b>	<b>Test Sequence</b>	<b>Verdict</b>	
		<b>Pass</b>	<b>Fail</b>
1	The description of the individual condition to verify or action to perform	Yes/No criteria of the outcome of this verification step (if applicable)	Yes/No criteria of the outcome of this verification step (if applicable)
2	...		
<b>Final verdict:</b>			



## 6 Test Descriptions (TD)

### 6.1 Individual Calls

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_IC_0001		
<b>Summary:</b>	'Sending Individual call - Routine'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clauses 5.2.2 and 6.6.1		
<b>Pre-test conditions:</b>	QE1 and EUT in standby on 2 182 kHz QE1 programmed with an individual MMSI		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT select 'Call' then select 'Individual - Routine'		
2	Enter/select MMSI of QE1		
3	Verify that menu proposes an Intership Channel	Yes	No
4	Verify if the proposed channel can be changed	Yes	No
5	Cause EUT to send the individual call to QE1		
6	Verify that QE1 receives the call	Yes	No
7	Verify that EUT is still on 2 182 kHz	Yes	No
8	Cause QE1 to send ACK to EUT		
9	Verify that EUT switches to the selected channel in step 4	Yes	No
10	Verify voice communication on this channel	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_IC_0002		
<b>Summary:</b>	'Sending Individual call with NACK - Routine'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clauses 5.2.2 and 6.6.1		
<b>Pre-test conditions:</b>	QE1 and EUT in standby on 2 182 kHz QE1 programmed with an individual MMSI		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT select 'Call' then select 'Individual - Routine'		
2	Enter/select MMSI of QE1		
3	Verify that menu proposes an Intership Channel	Yes	No
4	Verify if the proposed channel can be changed	Yes	No
5	Cause EUT to send the individual call to QE1		
6	Verify that QE1 receives the call	Yes	No
7	Verify that EUT is still on 2 182 kHz	Yes	No
8	Cause QE1 to send NACK to EUT		
9	Verify that EUT does not switch to the selected channel in step 4	Yes	No
10	Verify that EUT indicates unable to comply	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_IC_0003		
<b>Summary:</b>	'Sending Individual call to a coast station - Routine'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 5.2.2 and 6.6.1		
<b>Pre-test conditions:</b>	QE1 and EUT in standby on 2 182 kHz QE1 programmed with a Coast Station MMSI		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT select 'Call' then select 'Individual - Routine'		
2	Enter/select MMSI of QE1		
3	Verify that menu does not propose a working channel	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_IC_0004		
<b>Summary:</b>	'Receiving Individual call - Routine'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 5.2.2 and 6.7.1		
<b>Pre-test conditions:</b>	QE1 and EUT in standby on 2 182 kHz EUT programmed with an individual MMSI		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 select 'Call' then select 'Individual - Routine'		
2	Enter/select MMSI of EUT		
3	Set the proposed channel to 2 214 kHz		
4	Cause QE1 to send the individual call to EUT		
5	Verify that EUT receives the call and displays the proposed channel	Yes	No
6	Verify that EUT displays the MMSI of QE1	Yes	No
7	Verify that EUT is still on 2 182 kHz	Yes	No
8	Cause EUT to send ACK to QE1		
9	Verify that EUT switches to 2 214 kHz	Yes	No
10	Verify voice communication on this channel	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_IC_0005		
<b>Summary:</b>	'Receiving Individual call with NACK - Routine'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 5.2.2 and 6.7.1		
<b>Pre-test conditions:</b>	QE1 and EUT in standby on 2 182 kHz EUT programmed with an individual MMSI		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 select 'Call' then select 'Individual - Routine'		
2	Enter/select MMSI of EUT		
3	Set the proposed channel to 2 214 kHz		
4	Cause QE1 to send the individual call to EUT		
5	Verify that EUT receives the call and displays the proposed channel	Yes	No
6	Verify that EUT displays the MMSI of QE1	Yes	No
7	Verify that EUT is still on 2 182 kHz	Yes	No
8	Cause EUT to send NACK to QE1		
9	Verify that EUT is still on 2 182 kHz	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_IC_0006		
<b>Summary:</b>	'Receiving Individual call when busy - Routine'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 5.2.2 and 6.7.1		
<b>Pre-test conditions:</b>	QE1 and EUT in individual call on 2 214 kHz QE2 programmed with an individual MMSI of EUT		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE2 select 'Call' then select 'Individual - Routine'		
2	Enter/select MMSI of EUT		
3	Cause QE2 to send the individual call to EUT		
4	Verify that EUT sounds a self-terminating alarm	Yes	No
5	Verify that EUT is still on 2 214 kHz	Yes	No
6	Cause EUT to terminate the individual call		
7	Verify that EUT displays that calls are on hold'	Yes	No
8	On EUT enter the received call log and verify that the call from QE2 is logged	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_IC_0007		
<b>Summary:</b>	'Receiving Individual call - Urgency'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 5.2.2 and 6.7.1		
<b>Pre-test conditions:</b>	QE1 and EUT in standby on 2 182 kHz EUT programmed with an individual MMSI		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 select 'Call' then select 'Individual - Urgency'		
2	Enter/select MMSI of EUT		
3	Set the proposed channel to 2 214 kHz		
4	Cause QE1 to send the individual call to EUT		
5	Verify that EUT receives the call and displays the proposed channel	Yes	No
6	Verify that EUT sounds the Urgency alarm	Yes	No
7	Verify that EUT displays the MMSI of QE1	Yes	No
8	Verify that EUT is still on 2 182 kHz	Yes	No
9	Cause EUT to send ACK to QE1		
10	Verify that EUT switches to 2 214 kHz	Yes	No
11	Verify voice communication on this channel	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_IC_0008		
<b>Summary:</b>	'Receiving Individual call with NACK - Urgency'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 5.2.2 and 6.7.1		
<b>Pre-test conditions:</b>	QE1 and EUT in standby on 2 182 kHz EUT programmed with an individual MMSI		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 select 'Call' then select 'Individual - Urgency'		
2	Enter/select MMSI of EUT		
3	Set the proposed channel to 2 214 kHz		
4	Cause QE1 to send the individual call to EUT		
5	Verify that EUT receives the call and displays the proposed channel	Yes	No
6	Verify that EUT sounds the Urgency alarm	Yes	No
7	Verify that EUT displays the MMSI of QE1	Yes	No
8	Verify that EUT is still on 2 182 kHz	Yes	No
9	Cause EUT to send NACK to QE1		
10	Verify that EUT returns to standby on 2 182 kHz	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_IC_0009		
<b>Summary:</b>	'Receiving Individual call - Safety'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 5.2.2 and 6.7.1		
<b>Pre-test conditions:</b>	QE1 and EUT in standby on 2 182 kHz EUT programmed with an individual MMSI		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 select 'Call' then select 'Individual - Safety'		
2	Enter/select MMSI of EUT		
3	Set the proposed channel to 2 214 kHz		
4	Cause QE1 to send the individual call to EUT		
5	Verify that EUT receives the call and displays the proposed channel	Yes	No
6	Verify that EUT sounds the Safety alarm	Yes	No
7	Verify that EUT displays the MMSI of QE1	Yes	No
8	Verify that EUT is still on 2 182 kHz	Yes	No
9	Cause EUT to send ACK to QE1		
10	Verify that EUT switches to 2 214 kHz	Yes	No
11	Verify voice communication on this channel	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_IC_0010		
<b>Summary:</b>	'Receiving Individual call with NACK - Safety'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 5.2.2 and 6.7.1		
<b>Pre-test conditions:</b>	QE1 and EUT in standby on 2 182 kHz EUT programmed with an individual MMSI		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 select 'Call' then select 'Individual - Safety'		
2	Enter/select MMSI of EUT		
3	Set the proposed channel to 2 214 kHz		
4	Cause QE1 to send the individual call to EUT		
5	Verify that EUT receives the call and displays the proposed channel	Yes	No
6	Verify that EUT sounds the Safety alarm	Yes	No
7	Verify that EUT displays the MMSI of QE1	Yes	No
8	Verify that EUT is still on 2 182 kHz	Yes	No
9	Cause EUT to send NACK to QE1		
10	Verify that EUT returns to standby on 2 182 kHz	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_IC_0011		
<b>Summary:</b>	'Sending Individual call on a Distress channel'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 5.2.2 and 6.6.1		
<b>Pre-test conditions:</b>	QE1 and EUT in standby on 2 182 kHz QE1 programmed with an individual MMSI		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT select 'Call' then select 'Individual - Routine'		
2	Enter/select MMSI of QE1		
3	Verify that menu proposes an Intership Channel	Yes	No
4	Enter a distress channel as working channel		
5	Cause EUT to send the individual call to QE1		
6	Verify that EUT does not send the call and indicates a channel selection error	Yes	No
<b>Final verdict:</b>			

## 6.2 Group Calls

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_GC_0001		
<b>Summary:</b>	'Sending group call - Routine'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clause 6.6.1		
<b>Pre-test conditions:</b>	QE1 and EUT in standby on 2 182 kHz QE1 programmed with a group MMSI		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT select 'Call' then select 'Group'		
2	Enter/select group MMSI of QE1		
3	Verify that menu proposes an Intership Channel	Yes	No
4	Verify if the proposed channel can be changed	Yes	No
5	Cause EUT to send the group call to QE1		
6	Verify that QE1 receives the call	Yes	No
7	Verify that EUT switches to the selected channel in step 4	Yes	No
8	Verify voice communication on this channel	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_GC_0002		
<b>Summary:</b>	'Receiving group call - Routine'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clause 6.7.1		
<b>Pre-test conditions:</b>	QE1 and EUT in standby on 2 182 kHz EUT programmed with an group MMSI		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 select 'Call' then select 'Group'		
2	Enter/select group MMSI of EUT		
3	Set the proposed channel to 2 214 kHz		
4	Cause QE1 to send the group call to EUT		
5	Verify that EUT receives the call and displays the proposed channel	Yes	No
6	Verify that EUT displays the MMSI of QE1	Yes	No
7	Verify that EUT switches to 2 214 kHz	Yes	No
8	Verify voice communication on this channel	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_GC_0003		
<b>Summary:</b>	'Receiving Group call when busy - Routine'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clause 6.7.1		
<b>Pre-test conditions:</b>	QE1 and EUT in group call on 2 214 kHz QE2 programmed with an individual MMSI of EUT		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE2 select 'Call' then select 'Individual - Routine'		
2	Enter/select group MMSI of EUT		
3	Cause QE2 to send the individual call to EUT		
4	Verify that EUT sounds a self-terminating alarm	Yes	No
5	Verify that EUT is still on 2 214 kHz	Yes	No
6	Cause EUT to terminate the individual call		
7	Verify that EUT displays that calls are on hold'	Yes	No
8	On EUT enter the received call log and verify that the call from QE2 is logged	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_GC_0004		
<b>Summary:</b>	'Sending Group call on a Distress channel'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clause 6.6.1		
<b>Pre-test conditions:</b>	QE1 and EUT in standby on 2 182 kHz QE1 programmed with a group MMSI		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT select 'Call' then select 'Group - Routine'		
2	Enter/select MMSI of QE1		
3	Verify that menu proposes an Intership Channel	Yes	No
4	Enter a distress channel as working channel		
5	Cause EUT to send the group call to QE1		
6	Verify that EUT does not send the call and indicates a channel selection error	Yes	No
<b>Final verdict:</b>			

### 6.3 Geographic Area Calls

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_GAC_0001		
<b>Summary:</b>	'Sending Geographic Area call - MF- Safety'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 5.2.3 and 6.6.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT select 'Call' then select 'Geographic Area - Safety'		
2	Verify that the proposed channel is 2 182 kHz	Yes	No
3	Change the proposed channel to 2 214 kHz		
4	Cause EUT to send the call		
5	Verify that QE1 receives the call and sounds the Safety alarm	Yes	No
6	Verify that QE1 displays the MMSI of the EUT	Yes	No
7	Verify the voice communication on 2 214 kHz	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_GAC_0002		
<b>Summary:</b>	'Sending Geographic Area call - HF- Safety'		
<b>Configuration:</b>	CF_8		
<b>References:</b>	[1], clauses 5.2.3 and 6.6.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT select 'Call' then select 'Geographic Area - Safety'		
2	Verify that the proposed channel is 8 291 kHz	Yes	No
3	Change the proposed channel to 8 176 kHz		
4	Cause EUT to send the call		
5	Verify that QE1 receives the call and sounds the Safety alarm	Yes	No
6	Verify that QE1 displays the MMSI of the EUT	Yes	No
7	Verify the voice communication on 8 176 kHz	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_GAC_0003		
<b>Summary:</b>	'Sending Geographic Area call - MF- Urgency'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 5.2.3 and 6.6.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT select 'Call' then select 'Geographic Area - Safety'		
2	Verify that the proposed channel is 2 182 kHz	Yes	No
3	Change the proposed channel to 2 214 kHz		
4	Cause EUT to send the call		
5	Verify that QE1 receives the call and sounds the Urgency alarm	Yes	No
6	Verify that QE1 displays the MMSI of the EUT	Yes	No
7	Verify the voice communication on 2 214 kHz	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_GAC_0004		
<b>Summary:</b>	'Sending Geographic Area call - HF- Urgency'		
<b>Configuration:</b>	CF_8		
<b>References:</b>	[1], clauses 5.2.3 and 6.6.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT select 'Call' then select 'Geographic Area - Safety'		
2	Verify that the proposed channel is 8 291 kHz	Yes	No
3	Change the proposed channel to 8 176 kHz		
4	Cause EUT to send the call		
5	Verify that QE1 receives the call and sounds the Urgency alarm	Yes	No
6	Verify that QE1 displays the MMSI of the EUT	Yes	No
7	Verify the voice communication on 8 176 kHz	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_GAC_0005		
<b>Summary:</b>	'Receiving Geographic Area call - MF- Safety'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 5.2.3 and 6.7.1		
<b>Pre-test conditions:</b>	EUT configured with a position < 100 nm from QE1		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send a 'Geographic Area - Safety' to EUT		
2	Verify that EUT receives the call and sounds the Safety alarm	Yes	No
3	Verify that QE1 displays the MMSI of the EUT	Yes	No
4	Verify the voice communication on 2 182 kHz	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_GAC_0006		
<b>Summary:</b>	'Receiving Geographic Area call - HF- Safety'		
<b>Configuration:</b>	CF_8		
<b>References:</b>	[1], clauses 5.2.3 and 6.7.1		
<b>Pre-test conditions:</b>	EUT configured with a position < 100 nm from QE1		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send a 'Geographic Area - Safety' to EUT		
2	Verify that EUT receives the call and sounds the Safety alarm	Yes	No
3	Verify that QE1 displays the MMSI of the EUT	Yes	No
4	Verify the voice communication on 8 291 kHz	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_GAC_0007		
<b>Summary:</b>	'Receiving Geographic Area call - MF- Urgency'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 5.2.3 and 6.7.1		
<b>Pre-test conditions:</b>	EUT configured with a position < 100 nm from QE1		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send a 'Geographic Area - Urgency' to EUT		
2	Verify that EUT receives the call and sounds the Urgency alarm	Yes	No
3	Verify that QE1 displays the MMSI of the EUT	Yes	No
4	Verify the voice communication on 2 182 kHz	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_GAC_0008		
<b>Summary:</b>	'Receiving Geographic Area call - HF- Urgency'		
<b>Configuration:</b>	CF_8		
<b>References:</b>	[1], clauses 5.2.3 and 6.7.1		
<b>Pre-test conditions:</b>	EUT configured with a position < 100 nm from QE1		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send a 'Geographic Area - Urgency' to EUT		
2	Verify that EUT receives the call and sounds the Urgency alarm	Yes	No
3	Verify that QE1 displays the MMSI of the EUT	Yes	No
4	Verify the voice communication on 8 291 kHz	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_GAC_0009		
<b>Summary:</b>	'Receiving Geographic Area call - MF- Safety - Out of range'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 5.2.3 and 6.7.1		
<b>Pre-test conditions:</b>	EUT configured with a position > 600 nm from QE1		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send a 'Geographic Area - Safety' to EUT		
2	Verify that EUT does not receive the call	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_GAC_0010		
<b>Summary:</b>	'Receiving Geographic Area call - HF- Safety - Out of range'		
<b>Configuration:</b>	CF_8		
<b>References:</b>	[1], clauses 5.2.3 and 6.7.1		
<b>Pre-test conditions:</b>	EUT configured with a position > 600 nm from QE1		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send a 'Geographic Area - Safety' to EUT		
2	Verify that EUT does not receive the call	Yes	No
<b>Final verdict:</b>			



Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_GAC_0011		
<b>Summary:</b>	'Receiving Geographic Area call - MF- Urgency - Out of range'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 5.2.3 and 6.7.1		
<b>Pre-test conditions:</b>	EUT configured with a position > 600 nm from QE1		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send a 'Geographic Area - Urgency' to EUT		
2	Verify that EUT does not receive the call	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_GAC_0012		
<b>Summary:</b>	'Receiving Geographic Area call - HF- Urgency - Out of range'		
<b>Configuration:</b>	CF_8		
<b>References:</b>	[1], clauses 5.2.3 and 6.7.1		
<b>Pre-test conditions:</b>	EUT configured with a position > 600 nm from QE1		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send a 'Geographic Area - Urgency' to EUT		
2	Verify that EUT does not receive the call	Yes	No
<b>Final verdict:</b>			

## 6.4 Sending Distress Alerts

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0001		
<b>Summary:</b>	'Sending distress alert - stop before countdown'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.4.4		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT perform action 1 for sending distress alerts		
2	On EUT perform action 2 for sending distress alerts		
3	Verify that action 1 and action 2 are different	Yes	No
4	Verify that EUT displays a countdown to sending	Yes	No
5	Verify that EUT sounds a countdown alarm	Yes	No
6	Verify the EUT gives a visible alarm	Yes	No
7	Stop action 2 (step2) before countdown expires		
8	Verify that QE1 does not receive a distress alert	Yes	No
9	Verify that EUT returns to standby	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0002		
<b>Summary:</b>	'Sending distress alert - undesignated alert content - MF'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.4.4		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT perform action 1 for sending distress alerts		
2	On EUT perform action 2 for sending distress alerts		
3	Verify that action 1 and action 2 are different	Yes	No
4	Verify that EUT displays a countdown to sending	Yes	No
5	Verify that EUT sounds a countdown alarm	Yes	No
6	Verify the EUT gives a visible alarm	Yes	No
7	Continue action 2 (step 2) until countdown expires		
8	Verify that QE1 receives the distress alert on 2 187,5 kHz	Yes	No
9	Verify that QE1 displays the MMSI of EUT	Yes	No
10	Verify that QE1 displays nature of distress = undesignated	Yes	No
11	Verify that QE1 displays the position and time from EUT	Yes	No
12	Verify the voice communication between EUT and QE1 on 2 182 kHz	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0003		
<b>Summary:</b>	'Sending distress alert - undesignated alert content - HF'		
<b>Configuration:</b>	CF_7		
<b>References:</b>	[1], clause 6.4.4		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT perform action 1 for sending distress alerts		
2	On EUT perform action 2 for sending distress alerts		
3	Verify that action 1 and action 2 are different	Yes	No
4	Verify that EUT displays a countdown to sending	Yes	No
5	Verify that EUT sounds a countdown alarm	Yes	No
6	Verify the EUT gives a visible alarm	Yes	No
7	Continue action 2 (step 2) until countdown expires		
8	Verify that QE1 receives the distress alert on 2 187,5 kHz	Yes	No
9	Verify that QE1 receives the distress alert on 4 207,5 kHz	Yes	No
10	Verify that QE1 receives the distress alert on 6 312 kHz	Yes	No
11	Verify that QE1 receives the distress alert on 8 414,5 kHz	Yes	No
12	Verify that QE1 receives the distress alert on 12 577 kHz	Yes	No
13	Verify that QE1 receives the distress alert on 16 804,5 kHz	Yes	No
14	Verify that QE1 displays the MMSI of EUT	Yes	No
15	Verify that QE1 displays nature of distress = undesignated	Yes	No
16	Verify that QE1 displays the position and time from EUT	Yes	No
17	Verify the voice communication between EUT and QE1 on 8 291 kHz	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0004		
<b>Summary:</b>	'Sending distress alert - user selectable frequencies - HF'		
<b>Configuration:</b>	CF_7		
<b>References:</b>	[1], clause 6.4.4		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT, send a distress call but only on 8 MHz		
2	Cause EUT to send distress alert		
3	Verify that QE1 receives the distress alert on 8 414,5 kHz	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0005		
<b>Summary:</b>	'Validation of displaying the correct alert attempt sub-stage information'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 6.4.4, 6.4.10 and 6.5.3		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT push the Distress Button		
2	Release the distress button after the countdown is complete	Yes	No
3	Verify that EUT displays 'transmitting' sub-stage when the countdown has completed	Yes	No
4	Verify that EUT displays 'waiting for acknowledgement' sub-stage and displays the elapsed time since this sub-stage started	Yes	No
5	On QE1 acknowledge the EUT's alarm		
6	Verify that EUT displays 'acknowledged' sub-stage and displays the elapsed time since this sub-stage started	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0006		
<b>Summary:</b>	'Validation that the required items of the automated procedure are being properly displayed'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clauses 6.4.2 and 6.4.3		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT push the Distress Button		
2	Release the distress button after the countdown is complete		
3	Verify that the EUT indicates that it is in transmitting state during distress alert transmission	Yes	No
4	Verify that the remaining time to the next automated sending of the distress alert attempt is displayed on the EUT screen	Yes	No
5	Verify that the EUT sets the time to the next automated alert sending to between 3,5 minutes and 4,5 minutes, and check that this interval is different each time.	Yes	No
6	Verify that the EUT still indicates that it is waiting for an acknowledgement	Yes	No
7	Verify that the option to pause the countdown to the next distress alert attempt is available on the EUT	Yes	No
8	Verify that the option to cancel the distress alert attempt is available on the EUT	Yes	No
9	Verify that the option to resend the distress alert attempt is available on the EUT	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0007		
<b>Summary:</b>	'Validation that a paused automated procedure can be resumed'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clauses 6.4.2 and 6.4.3		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT push the Distress Button		
2	Release the distress button after the countdown is complete		
3	Wait until the EUT is in a countdown to the next distress alert attempt and pause the countdown		
4	Verify that the option to resume the countdown to the next distress alert attempt is available on the EUT	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0008		
<b>Summary:</b>	'Validation of the alert cancel procedure - warning'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clauses 6.4.2 and 6.4.3		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT push the Distress Button		
2	Release the distress button after the countdown is complete		
3	Wait until the EUT is in a countdown to the next distress alert transmission attempt and cancel the distress alert		
4	Verify that the EUT displays a warning about the initiated cancel procedure, and offers the possibility of exiting the cancel procedure	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0009		
<b>Summary:</b>	'Validation of the alert cancel procedure'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clauses 6.4.2 and 6.4.3		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT push the Distress Button		
2	Release the distress button after the countdown is complete		
3	Wait until the EUT is in a countdown to the next distress alert transmission attempt and cancel the distress alert		
4	When the EUT displays a warning about the initiated cancel procedure confirm the cancellation		
5	Verify that QE1 receives the distress cancel on all frequencies that had received the distress alert	Yes	No
6	Verify that EUT requests voice cancellation on all frequency bands used by the alert and displays suitable text to be read	Yes	No
7	Verify that it is not possible to exit the procedure until every frequency band used by the alert has been manually processed	Yes	No
8	Verify that when all these voice calls have been processed that the procedure goes to 'acknowledged' state and can be exited	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0010		
<b>Summary:</b>	'Validation that the required items of the alert acknowledgement are being properly displayed'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 6.4.2, 6.4.3 and 6.4.12		
<b>Pre-test conditions:</b>	The EUT having sent a distress alert		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 acknowledge the EUT's distress alert		
2	Verify that the EUT displays the means to silence the alarm	Yes	No
3	Verify that the EUT indicates the MMSI of QE1	Yes	No
4	Verify that the operator can speak to QE1 from the EUT	Yes	No
5	Verify that the operator can speak to the EUT from QE1	Yes	No
6	Verify that the EUT no longer offers the option to resend the distress alert attempt	Yes	No
7	Verify that the EUT no longer offers the option to cancel the distress alert attempt	Yes	No
8	Verify that the EUT offers the option to terminate the sending distress automated procedure	Yes	No
9	Verify that the EUT offers the option to put the sending distress automated procedure on hold	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0011		
<b>Summary:</b>	'Validation that the automated alert resending procedure stops after acknowledgement'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 6.4.2 and 6.4.3		
<b>Pre-test conditions:</b>	The EUT having transmitted a first distress alert attempt		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 acknowledge the EUT's distress alert		
2	Verify that QE1 does not receive from the EUT any further distress alert transmission attempts	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0012		
<b>Summary:</b>	'Validation that repeated distress alert acknowledgements only sound the discrete alarm'		
<b>Configuration:</b>	CF_6		
<b>References:</b>	[1], clauses 6.4.7 and 6.4.8		
<b>Pre-test conditions:</b>	The EUT having transmitted a first distress alert attempt		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 acknowledge the EUT's distress alert		
2	Verify that the EUT sounds the manually terminated acknowledgement alarm	Yes	No
3	On QE2 acknowledge the EUT's distress alert		
4	Verify that the EUT sounds only the self-terminating alarm	Yes	No
<b>Final verdict:</b>			

## 6.4.1 Distress alert sending priority

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0016		
<b>Summary:</b>	'Distress alert during DSC call preparation'		
<b>Configuration:</b>	CF_5		
<b>References:</b>	[1], clauses 6.4.4 and 6.9.2.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On the EUT select the option to send an individual DSC message of priority routine and enter/select the MMSI of QE2		
2	Before the DSC message is actually sent, start the distress alert attempt by using the dedicated distress button		
3	Release the distress button after the countdown is complete	Yes	No
4	Verify that QE1 receives the EUT's distress alert	Yes	No
5	Verify that QE1 receives distress information with default values and the indicated alert sender is the EUT	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0017		
<b>Summary:</b>	'Distress alert after DSC call initiation'		
<b>Configuration:</b>	CF_5		
<b>References:</b>	[1], clauses 6.4.4 and 6.9.2.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On the EUT select the option to send an individual DSC message of priority routine and enter/select the MMSI of QE2		
2	After the non-distress DSC automated sending procedure has started on EUT, start the distress alert attempt by using the dedicated distress button		
3	Release the distress button after the countdown is complete	Yes	No
4	Verify that QE1 receives the EUT's distress alert	Yes	No
5	Verify that QE1 receives distress information with default values and the indicated alert sender is the EUT	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0018		
<b>Summary:</b>	'Validation that repeated pressing of distress button is appropriately handled'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.4.4		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT push the Distress Button		
2	Release the distress button of the EUT after the countdown is complete, and then push again the Distress Button		
3	Verify that on the EUT this action of repeated pushing of the distress button is ignored or activates the resend procedure	Yes	No
4	Verify that the ongoing sending distress alert automated procedure on the EUT is uninterrupted.	Yes	No
<b>Final verdict:</b>			

<b>Interoperability Test Description</b>			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0019		
<b>Summary:</b>	'Distress alert after reception of a preceding distress alert'		
<b>Configuration:</b>	CF_5		
<b>References:</b>	[1], clauses 6.4.4 and 6.9.2.1		
<b>Pre-test conditions:</b>			
<b>Step</b>	<b>Test Sequence</b>	<b>Verdict</b>	
		<b>Pass</b>	<b>Fail</b>
1	On QE2 push the Distress Button		
2	Release the distress button after the countdown is complete	Yes	No
3	After the DSC alert has been received on EUT, start the distress alert attempt by using the dedicated distress button		
4	Release the distress button after the countdown is complete	Yes	No
5	Verify that QE1 receives the EUT's distress alert	Yes	No
6	Verify that QE1 receives distress information with default values and the indicated alert sender is the EUT	Yes	No
<b>Final verdict:</b>			

<b>Interoperability Test Description</b>			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0020		
<b>Summary:</b>	'Distress alert after DSC call reception'		
<b>Configuration:</b>	CF_5		
<b>References:</b>	[1], clauses 6.4.4 and 6.9.2.1		
<b>Pre-test conditions:</b>			
<b>Step</b>	<b>Test Sequence</b>	<b>Verdict</b>	
		<b>Pass</b>	<b>Fail</b>
1	On the QE2 select the option to send an individual DSC message of priority routine and enter/select the MMSI of the EUT		
2	After the non-distress DSC automated reception procedure has started on EUT, start the distress alert attempt by using the dedicated distress button		
3	Release the distress button after the countdown is complete	Yes	No
4	Verify that QE1 receives the EUT's distress alert	Yes	No
5	Verify that QE1 receives distress information with default values and the indicated alert sender is the EUT	Yes	No
<b>Final verdict:</b>			

## 6.4.2 Ongoing distress alert priority

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0021		
<b>Summary:</b>	'Validation of ongoing distress alert priority for distress alert relay reception'		
<b>Configuration:</b>	CF_4		
<b>References:</b>	[1], clause 6.4.7		
<b>Pre-test conditions:</b>	EUT having sent a distress alert and being in 'waiting for acknowledgement' sub-stage		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE2 press the distress alert button, and have QE1 relay the received distress alert to the EUT		
2	Verify that the EUT remains in 'waiting for acknowledgement' sub-stage	Yes	No
3	Verify that reception of the above DSC event does not trigger an alarm in the EUT	Yes	No
4	Verify that reception of the above DSC event does raise the 'Unread call in the memory' flag in the EUT	Yes	No
5	Verify that the EUT stores the above DSC event record in its log	Yes	No
6	On QE1 acknowledge the EUT's distress alert		
7	On QE2 resend the distress alert, and have QE1 relay the received distress alert to the EUT		
8	Verify that the EUT remains in 'alert acknowledged' sub-stage	Yes	No
9	Verify that reception of the above DSC event triggers an alarm in the EUT	Yes	No
10	Verify that reception of the above DSC event initiates a new procedure on hold	Yes	No
11	Verify that the EUT stores the above DSC event record in its log	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0022		
<b>Summary:</b>	'Validation of ongoing distress alert priority for Geographical Area RT call Safety'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clause 6.4.7		
<b>Pre-test conditions:</b>	EUT having sent a distress alert and being in 'waiting for acknowledgement' sub-stage		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 initiate an 'Geographical Area RT call Safety' procedure		
2	Verify that the EUT remains in 'waiting for acknowledgement' sub-stage	Yes	No
3	Verify that reception of the above DSC event does not trigger an alarm in the EUT	Yes	No
4	Verify that reception of the above DSC event does raise the 'Unread call in the memory' flag in the EUT	Yes	No
5	Verify that the EUT stores the above DSC event record in its log	Yes	No
6	On QE1 acknowledge the EUT's distress alert		
7	On QE1 initiate a new 'Geographical Area RT call Safety' procedure		
8	Verify that the EUT remains in 'alert acknowledged' sub-stage	Yes	No
9	Verify that reception of the above DSC event triggers an alarm in the EUT	Yes	No
10	Verify that reception of the above DSC event initiates a new procedure on hold	Yes	No
11	Verify that the EUT stores the above DSC event record in its log	Yes	No
<b>Final verdict:</b>			



Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0023		
<b>Summary:</b>	'Validation of ongoing distress alert priority for Geographical Area RT call Urgency'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clause 6.4.7		
<b>Pre-test conditions:</b>	EUT having sent a distress alert and being in 'waiting for acknowledgement' sub-stage		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 initiate an 'Geographical Area RT call Urgency' procedure		
2	Verify that the EUT remains in 'waiting for acknowledgement' sub-stage	Yes	No
3	Verify that reception of the above DSC event does not trigger an alarm in the EUT	Yes	No
4	Verify that reception of the above DSC event does raise the 'Unread call in the memory' flag in the EUT	Yes	No
5	Verify that the EUT stores the above DSC event record in its log	Yes	No
6	On QE1 acknowledge the EUT's distress alert		
7	On QE1 initiate a new 'Geographical Area RT call Urgency' procedure		
8	Verify that the EUT remains in 'alert acknowledged' sub-stage	Yes	No
9	Verify that reception of the above DSC event triggers an alarm in the EUT	Yes	No
10	Verify that reception of the above DSC event initiates a new procedure on hold	Yes	No
11	Verify that the EUT stores the above DSC event record in its log	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0024		
<b>Summary:</b>	'Validation of ongoing distress alert priority for Individual RT call Safety'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clause 6.4.7		
<b>Pre-test conditions:</b>	EUT having sent a distress alert and being in 'waiting for acknowledgement' sub-stage		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 initiate an 'Individual RT call Safety' procedure addressed to the EUT		
2	Verify that the EUT remains in 'waiting for acknowledgement' sub-stage	Yes	No
3	Verify that reception of the above DSC event does not trigger an alarm in the EUT	Yes	No
4	Verify that reception of the above DSC event does raise the 'Unread call in the memory' flag in the EUT	Yes	No
5	Verify that the EUT stores the above DSC event record in its log	Yes	No
6	On QE1 acknowledge the EUT's distress alert		
7	On QE1 initiate a new 'Individual RT call Safety' procedure addressed to the EUT		
8	Verify that the EUT remains in 'alert acknowledged' sub-stage	Yes	No
9	Verify that reception of the above DSC event triggers an alarm in the EUT	Yes	No
10	Verify that reception of the above DSC event initiates a new procedure on hold	Yes	No
11	Verify that the EUT stores the above DSC event record in its log	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0025		
<b>Summary:</b>	'Validation of ongoing distress alert priority for Individual RT call Urgency'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clause 6.4.7		
<b>Pre-test conditions:</b>	EUT having sent a distress alert and being in 'waiting for acknowledgement' sub-stage		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 initiate an 'Individual RT call Urgency' procedure addressed to the EUT		
2	Verify that the EUT remains in 'waiting for acknowledgement' sub-stage	Yes	No
3	Verify that reception of the above DSC event does not trigger an alarm in the EUT	Yes	No
4	Verify that reception of the above DSC event does raise the 'Unread call in the memory' flag in the EUT	Yes	No
5	Verify that the EUT stores the above DSC event record in its log	Yes	No
6	On QE1 acknowledge the EUT's distress alert		
7	On QE1 initiate a new 'Individual RT call Urgency' procedure addressed to the EUT		
8	Verify that the EUT remains in 'alert acknowledged' sub-stage	Yes	No
9	Verify that reception of the above DSC event triggers an alarm in the EUT	Yes	No
10	Verify that reception of the above DSC event initiates a new procedure on hold	Yes	No
11	Verify that the EUT stores the above DSC event record in its log	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0026		
<b>Summary:</b>	'Validation of ongoing distress alert priority for Routine Individual RT call'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clause 6.4.7		
<b>Pre-test conditions:</b>	EUT having sent a distress alert and being in 'waiting for acknowledgement' sub-stage		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 initiate a 'Routine RT call' procedure addressed to the EUT		
2	Verify that the EUT remains in 'waiting for acknowledgement' sub-stage	Yes	No
3	Verify that reception of the above DSC event does not trigger an alarm in the EUT	Yes	No
4	Verify that reception of the above DSC event does raise the 'Unread call in the memory' flag in the EUT	Yes	No
5	Verify that the EUT stores the above DSC event record in its log	Yes	No
6	On QE1 acknowledge the EUT's distress alert		
7	On QE1 initiate a new 'Routine RT call' procedure addressed to the EUT		
8	Verify that the EUT remains in 'alert acknowledged' sub-stage	Yes	No
9	Verify that reception of the above DSC event triggers an alarm in the EUT	Yes	No
10	Verify that reception of the above DSC event initiates a new procedure on hold	Yes	No
11	Verify that the EUT stores the above DSC event record in its log	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0027		
<b>Summary:</b>	'Validation of ongoing distress alert priority for a received other distress alert'		
<b>Configuration:</b>	CF_5		
<b>References:</b>	[1], clause 6.4.7		
<b>Pre-test conditions:</b>	EUT having sent a distress alert and being in 'waiting for acknowledgement' sub-stage		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE2 press the distress alert button		
2	Verify that the EUT remains in 'waiting for acknowledgement' sub-stage	Yes	No
3	Verify that reception of the above DSC event does not trigger an alarm in the EUT	Yes	No
4	Verify that reception of the above DSC event does raise the 'Unread call in the memory' flag in the EUT	Yes	No
5	Verify that the EUT stores the above DSC event record in its log	Yes	No
6	On QE1 acknowledge the EUT's distress alert		
7	On QE2 press the distress alert button again		
8	Verify that the EUT remains in 'alert acknowledged' sub-stage	Yes	No
9	Verify that reception of the above DSC event triggers an alarm in the EUT	Yes	No
10	Verify that reception of the above DSC event initiates a new procedure on hold	Yes	No
11	Verify that the EUT stores the above DSC event record in its log	Yes	No
<b>Final verdict:</b>			

### 6.4.3 Manual termination after distress alert acknowledgement

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0028		
<b>Summary:</b>	'Validation of distress alert termination'		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clause 6.4.13		
<b>Pre-test conditions:</b>	EUT having sent a distress alert and being in 'waiting for acknowledgement' sub-stage		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Verify that the EUT does not offer the option to terminate the current distress alert procedure	Yes	No
2	On QE1 acknowledge the EUT's distress alert		
3	Verify that the EUT offers the option to terminate the current distress alert procedure	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0029		
<b>Summary:</b>	'Validation of not automatically displaying logged DSC alert messages after current alert termination'		
<b>Configuration:</b>	CF_5		
<b>References:</b>	[1], clause 6.4.13		
<b>Pre-test conditions:</b>	EUT having sent a distress alert and being in 'waiting for acknowledgement' sub-stage		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE2 push the Distress alert button		
2	On QE1 acknowledge the EUT's distress alert		
3	On EUT terminate the current distress alert		
4	Verify that the EUT does not automatically start displaying the new DSC alert message from memory	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0030		
<b>Summary:</b>	'Validation of selecting and sending Fire/Explosion nature of distress'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clauses 6.4.4 and 6.3 d)		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	Enter distress alert set up menu on EUT		
2	Verify that the dedicated button for sending distress alerts is not used for accessing this menu	Yes	No
3	Select 'Fire/Explosion' nature of distress, and cause EUT to send the alert		
4	Verify that QE1 receives the nature of distress alert 'Fire/Explosion'	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0031		
<b>Summary:</b>	'Validation of selecting and sending Flooding nature of distress'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clauses 6.4.4 and 6.3 d)		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	Enter distress alert set up menu on EUT		
2	Verify that the dedicated button for sending distress alerts is not used for accessing this menu	Yes	No
3	Select 'Flooding' nature of distress, and cause EUT to send the alert		
4	Verify that QE1 receives the nature of distress alert 'Flooding'	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0032		
<b>Summary:</b>	'Validation of selecting and sending Collision nature of distress'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clauses 6.4.4 and 6.3 d)		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	Enter distress alert set up menu on EUT		
2	Verify that the dedicated button for sending distress alerts is not used for accessing this menu	Yes	No
3	Select 'Collision' nature of distress, and cause EUT to send the alert		
4	Verify that QE1 receives the nature of distress alert 'Collision'	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0033		
<b>Summary:</b>	'Validation of selecting and sending Grounding nature of distress'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clauses 6.4.4 and 6.3 d)		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	Enter distress alert set up menu on EUT		
2	Verify that the dedicated button for sending distress alerts is not used for accessing this menu	Yes	No
3	Select 'Grounding' nature of distress, and cause EUT to send the alert		
4	Verify that QE1 receives the nature of distress alert 'Grounding'	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0034		
<b>Summary:</b>	'Validation of selecting and sending Listing / Capsizing nature of distress'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clauses 6.4.4 and 6.3 d)		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	Enter distress alert set up menu on EUT		
2	Verify that the dedicated button for sending distress alerts is not used for accessing this menu	Yes	No
3	Select 'Listing / Capsizing' nature of distress, and cause EUT to send the alert		
4	Verify that QE1 receives the nature of distress alert 'Listing / Capsizing'	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0035		
<b>Summary:</b>	'Validation of selecting and sending Sinking nature of distress'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clauses 6.4.4 and 6.3 d)		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	Enter distress alert set up menu on EUT		
2	Verify that the dedicated button for sending distress alerts is not used for accessing this menu	Yes	No
3	Select 'Sinking' nature of distress, and cause EUT to send the alert		
4	Verify that QE1 receives the nature of distress alert 'Sinking'	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0036		
<b>Summary:</b>	'Validation of selecting and sending Disabled and Adrift nature of distress'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clauses 6.4.4 and 6.3 d)		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	Enter distress alert set up menu on EUT		
2	Verify that the dedicated button for sending distress alerts is not used for accessing this menu	Yes	No
3	Select 'Disabled and Adrift' nature of distress, and cause EUT to send the alert		
4	Verify that QE1 receives the nature of distress alert 'Disabled and Adrift'	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0037		
<b>Summary:</b>	'Validation of selecting and sending Abandoning ship nature of distress'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clauses 6.4.4 and 6.3 d)		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	Enter distress alert set up menu on EUT		
2	Verify that the dedicated button for sending distress alerts is not used for accessing this menu	Yes	No
3	Select 'Abandoning ship' nature of distress, and cause EUT to send the alert		
4	Verify that QE1 receives the nature of distress alert 'Abandoning ship'	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0038		
<b>Summary:</b>	'Validation of selecting and sending Piracy/Armed attack nature of distress'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clauses 6.4.4 and 6.3 d)		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	Enter distress alert set up menu on EUT		
2	Verify that the dedicated button for sending distress alerts is not used for accessing this menu	Yes	No
3	Select 'Piracy/Armed attack' nature of distress, and cause EUT to send the alert		
4	Verify that QE1 receives the nature of distress alert 'Piracy/Armed attack'	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0039		
<b>Summary:</b>	'Validation of selecting and sending Man overboard nature of distress'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clauses 6.4.4 and 6.3 d)		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	Enter distress alert set up menu on EUT		
2	Verify that the dedicated button for sending distress alerts is not used for accessing this menu	Yes	No
3	Select 'Man overboard' nature of distress, and cause EUT to send the alert		
4	Verify that QE1 receives the nature of distress alert 'Man overboard'	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0040		
<b>Summary:</b>	'Validation of unavailability of EPIRB nature of distress'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clauses 6.4.4 and 6.3 d)		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	Enter distress alert set up menu on EUT		
2	Verify that 'EPIRB' nature of distress cannot be selected on the EUT	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_SDA_0041		
<b>Summary:</b>	Updating of position and time during distress alert resending		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clauses 6.4.4 and 6.4.6		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On the EUT push the Distress Button		
2	Release the distress button after the countdown is complete	Yes	No
1	Wait that the distress alert attempt is being resent several times, and change the position of the EUT between retransmissions		
2	Verify that QE1 receives subsequent distress alert messages with the updated UTC time information	Yes	No
3	Verify that QE1 receives subsequent distress alert messages with the updated geographic position information	Yes	No
<b>Final verdict:</b>			

## 6.5 Receiving Distress Alerts

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_RDA_0001		
<b>Summary:</b>	Basic test of receiving distress automated procedure - voice		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.5		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 push the Distress Button		
2	Release the distress button after the countdown is complete	Yes	No
3	Verify that EUT correctly displays the UTC time information of the above distress alert message	Yes	No
4	Verify that the EUT correctly displays the geographic position information of QE1 at the time of above distress alert message, including fractional minutes or seconds of latitude and longitude	Yes	No
5	Verify that the EUT correctly displays the sender MMSI, intended recipients, and indicates that the DSC message type is 'distress alert'	Yes	No
6	Verify that the EUT displays the frequency on which the alert was received and selects the default distress frequency from the same band for subsequent communication	Yes	No
7	Verify that the EUT displays at top level the elapsed time since receiving the first alert	Yes	No
8	Verify that the option to send a distress relay is NOT available on the EUT	Yes	No
9	Verify that the option to send a distress alert acknowledgement is NOT available on the EUT	Yes	No
10	Verify that the option to send a distress relay acknowledgement is NOT available on the EUT	Yes	No
11	Verify that the option to terminate the procedure is available on the EUT	Yes	No
12	Verify that the EUT correctly displays at top level the current stage of the distress alert procedure - i.e. waiting for acknowledgement	Yes	No
13	Verify that the EUT offers the option to display information about the history of received DSC messages pertinent to the current distress alert procedure	Yes	No
14	Verify that the operator can speak to QE1 from the EUT	Yes	No
15	Verify that the operator can speak to the EUT from QE1	Yes	No
16	Verify that the EUT offers the option to terminate the current distress alert procedure	Yes	No
17	On the EUT select the option to terminate the current distress alert procedure		
18	Verify that the EUT gives a warning that the current distress alert procedure is being terminated	Yes	No
<b>Final verdict:</b>			



<b>Interoperability Test Description</b>			
<b>Identifier:</b>	TD_DSC_MFHF_RDA_0002		
<b>Summary:</b>	Basic test of receiving distress automated procedure - telex		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.5		
<b>Pre-test conditions:</b>			
<b>Step</b>	<b>Test Sequence</b>	<b>Verdict</b>	
		<b>Pass</b>	<b>Fail</b>
1	Cause QE1 to send a FEC Distress alert		
2	Verify that EUT correctly displays the UTC time information of the above distress alert message	Yes	No
3	Verify that the EUT correctly displays the geographic position information of QE1 at the time of above distress alert message, including fractional minutes or seconds of latitude and longitude	Yes	No
4	Verify that the EUT correctly displays the sender MMSI, intended recipients, and indicates that the DSC message type is 'distress alert'	Yes	No
5	Verify that the EUT displays the frequency on which the alert was received and selects the default distress frequency from the same band for subsequent communication	Yes	No
6	Verify that the EUT displays at top level the elapsed time since receiving the first alert	Yes	No
7	Verify that the option to send a distress relay is NOT available on the EUT	Yes	No
8	Verify that the option to send a distress alert acknowledgement is NOT available on the EUT	Yes	No
9	Verify that the option to send a distress relay acknowledgement is NOT available on the EUT	Yes	No
10	Verify that the option to terminate the procedure is available on the EUT	Yes	No
11	Verify that the EUT correctly displays at top level the current stage of the distress alert procedure - i.e. waiting for acknowledgement	Yes	No
12	Verify that the EUT offers the option to display information about the history of received DSC messages pertinent to the current distress alert procedure	Yes	No
13	IF EUT has FEC function verify the communication with QE1	Yes	No
14	Verify that the EUT offers the option to terminate the current distress alert procedure	Yes	No
15	On the EUT select the option to terminate the current distress alert procedure		
16	Verify that the EUT gives a warning that the current distress alert procedure is being terminated	Yes	No
<b>Final verdict:</b>			

<b>Interoperability Test Description</b>			
<b>Identifier:</b>	TD_DSC_MFHF_RDA_0003		
<b>Summary:</b>	Test of Geographical Area relay triggered receiving distress automated procedure - voice		
<b>Configuration:</b>	CF_4		
<b>References:</b>	[1], clause 6.5		
<b>Pre-test conditions:</b>	QE2 having sent a RT distress alert message		
<b>Step</b>	<b>Test Sequence</b>	<b>Verdict</b>	
		<b>Pass</b>	<b>Fail</b>
1	Make QE1 relay the received distress alert addressed to Geographical Area		
2	Verify that EUT correctly displays the UTC time information of the relayed distress alert message	Yes	No
3	Verify that the EUT correctly displays the geographic position information of QE2 at the time of above distress alert message, including fractional minutes or seconds of latitude and longitude	Yes	No
4	Verify that the EUT correctly displays the QE2's MMSI, intended recipients, and indicates that the DSC message type is 'distress alert'	Yes	No
5	Verify that the EUT displays the frequency on which the alert was received and selects the default distress frequency from the same band for subsequent communication	Yes	No
6	Verify that the EUT displays at top level the elapsed time since receiving the first alert	Yes	No
7	Verify that the option to send a distress relay is NOT available on the EUT	Yes	No
8	Verify that the option to send a distress alert acknowledgement is NOT available on the EUT	Yes	No
9	Verify that the option to send a distress relay acknowledgement is NOT available on the EUT	Yes	No
10	Verify that the option to terminate the procedure is available on the EUT	Yes	No
11	Verify that the EUT correctly displays at top level the current stage of the distress alert procedure - i.e. waiting for acknowledgement	Yes	No
12	Verify that the EUT offers the option to display information about the history of received DSC messages pertinent to the current distress alert procedure	Yes	No
13	Verify that the EUT offers the option to terminate the current distress alert procedure	Yes	No
14	On the EUT select the option to terminate the current distress alert procedure		
15	Verify that the EUT gives a warning that the current distress alert procedure is being terminated	Yes	No
<b>Final verdict:</b>			

<b>Interoperability Test Description</b>			
<b>Identifier:</b>	TD_DSC_MFHF_RDA_0004		
<b>Summary:</b>	Test of individually addressed relay triggered receiving distress automated procedure - voice		
<b>Configuration:</b>	CF_4		
<b>References:</b>	[1], clause 6.5		
<b>Pre-test conditions:</b>	QE2 having sent a RT distress alert message		
<b>Step</b>	<b>Test Sequence</b>	<b>Verdict</b>	
		<b>Pass</b>	<b>Fail</b>
1	Make QE1 relay the received distress alert addressed to the EUT's MMSI		
2	Verify that EUT correctly displays the UTC time information of the relayed distress alert message	Yes	No
3	Verify that the EUT correctly displays the geographic position information of QE2 at the time of above distress alert message, including fractional minutes or seconds of latitude and longitude	Yes	No
4	Verify that the EUT correctly displays the QE2's MMSI, intended recipients, and indicates that the DSC message type is 'distress alert'	Yes	No
5	Verify that the EUT displays the frequency on which the alert was received and selects the default distress frequency from the same band for subsequent communication	Yes	No
6	Verify that the EUT displays at top level the elapsed time since receiving the first alert	Yes	No
7	Verify that the option to send a distress relay is NOT available on the EUT	Yes	No
8	Verify that the option to send a distress alert acknowledgement is NOT available on the EUT	Yes	No
9	Verify that the option to send a distress relay acknowledgement is available on the EUT	Yes	No
10	Verify that the option to terminate the procedure is available on the EUT	Yes	No
11	Verify that the EUT correctly displays at top level the current stage of the distress alert procedure - i.e. waiting for acknowledgement	Yes	No
12	Verify that the EUT offers the option to display information about the history of received DSC messages pertinent to the current distress alert procedure	Yes	No
13	Verify that the EUT offers the option to terminate the current distress alert procedure	Yes	No
14	On the EUT select the option to terminate the current distress alert procedure		
15	Verify that the EUT gives a warning that the current distress alert procedure is being terminated	Yes	No
<b>Final verdict:</b>			

<b>Interoperability Test Description</b>			
<b>Identifier:</b>	TD_DSC_MFHF_RDA_0005		
<b>Summary:</b>	Test of geographical area relay triggered receiving distress automated procedure - telex		
<b>Configuration:</b>	CF_4		
<b>References:</b>	[1], clause 6.5		
<b>Pre-test conditions:</b>	QE2 having sent a FEC distress alert message		
<b>Step</b>	<b>Test Sequence</b>	<b>Verdict</b>	
		<b>Pass</b>	<b>Fail</b>
1	Make QE1 relay the received distress alert addressed to the EUT's geographical area		
2	Verify that EUT correctly displays the UTC time information of the relayed distress alert message	Yes	No
3	Verify that the EUT correctly displays the geographic position information of QE2 at the time of above distress alert message, including fractional minutes or seconds of latitude and longitude	Yes	No
4	Verify that the EUT correctly displays the QE2's MMSI, intended recipients, and indicates that the DSC message type is 'distress alert'	Yes	No
5	Verify that the EUT displays the frequency on which the alert was received and selects the default distress frequency from the same band for subsequent communication	Yes	No
6	Verify that the EUT displays at top level the elapsed time since receiving the first alert	Yes	No
7	Verify that the option to send a distress relay is NOT available on the EUT	Yes	No
8	Verify that the option to send a distress alert acknowledgement is NOT available on the EUT	Yes	No
9	Verify that the option to send a distress relay acknowledgement is available on the EUT	Yes	No
10	Verify that the option to terminate the procedure is available on the EUT	Yes	No
11	Verify that the EUT correctly displays at top level the current stage of the distress alert procedure - i.e. waiting for acknowledgement	Yes	No
12	Verify that the EUT offers the option to display information about the history of received DSC messages pertinent to the current distress alert procedure	Yes	No
13	Verify that the EUT offers the option to terminate the current distress alert procedure	Yes	No
14	On the EUT select the option to terminate the current distress alert procedure		
15	Verify that the EUT gives a warning that the current distress alert procedure is being terminated	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_RDA_0006		
<b>Summary:</b>	Test of individually addressed relay triggered receiving distress automated procedure - telex		
<b>Configuration:</b>	CF_4		
<b>References:</b>	[1], clause 6.5		
<b>Pre-test conditions:</b>	QE2 having sent a FEC distress alert message		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Make QE1 relay the received distress alert addressed to the EUT's MMSI		
2	Verify that EUT correctly displays the UTC time information of the relayed distress alert message	Yes	No
3	Verify that the EUT correctly displays the geographic position information of QE2 at the time of above distress alert message, including fractional minutes or seconds of latitude and longitude	Yes	No
4	Verify that the EUT correctly displays the QE2's MMSI, intended recipients, and indicates that the DSC message type is 'distress alert'	Yes	No
5	Verify that the EUT displays the frequency on which the alert was received and selects the default distress frequency from the same band for subsequent communication	Yes	No
6	Verify that the EUT displays at top level the elapsed time since receiving the first alert	Yes	No
7	Verify that the option to send a distress relay is NOT available on the EUT	Yes	No
8	Verify that the option to send a distress alert acknowledgement is NOT available on the EUT	Yes	No
9	Verify that the option to send a distress relay acknowledgement is available on the EUT	Yes	No
10	Verify that the option to terminate the procedure is available on the EUT	Yes	No
11	Verify that the EUT correctly displays at top level the current stage of the distress alert procedure - i.e. waiting for acknowledgement	Yes	No
12	Verify that the EUT offers the option to display information about the history of received DSC messages pertinent to the current distress alert procedure	Yes	No
13	Verify that the EUT offers the option to terminate the current distress alert procedure	Yes	No
14	On the EUT select the option to terminate the current distress alert procedure		
15	Verify that the EUT gives a warning that the current distress alert procedure is being terminated	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_RDA_0007		
<b>Summary:</b>	Testing the reception of self-acknowledged alarm		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clause 6.5.2 c)		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	Send a distress alert message from QE1, and then self-acknowledge this alarm on QE1		
2	Verify that EUT is displaying the elapsed time since having received the acknowledgement, and at top level the procedure stage is displayed as 'Cancelled'	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_RDA_0008		
<b>Summary:</b>	Test of the display of updated distress call information		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clauses 6.5.5 and 6.5.3 c)		
<b>Pre-test conditions:</b>	QE1 having sent a distress alert message		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Change the position of QE1 and resend the distress alert message		
2	Verify that EUT sounds a self-terminating alarm upon the reception of resent distress alert message	Yes	No
3	Verify that EUT displays the changed position in the distress information	Yes	No
4	Verify that the elapsed time since the distress receiving procedure started is not changed on the EUT	Yes	No
5	Verify that EUT displays the type of the latest received DSC message	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_RDA_0009		
<b>Summary:</b>	'Received distress alert procedure when busy'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.5		
<b>Pre-test conditions:</b>	EUT engaged in communication on 8 291 kHz		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send a distress alert to EUT on 2 187,5 kHz		
2	Verify that EUT sounds the distress alarm	Yes	No
3	Verify that EUT displays that a distress alert has been received	Yes	No
4	Verify that EUT displays the MMSI of QE1	Yes	No
5	Verify that EUT displays that 2 182 kHz will be selected in 10 seconds	Yes	No
6	Select the option to remain on 8 291 kHz	Yes	No
7	Verify that EUT does not change to 2 182 kHz	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_RDA_0010		
<b>Summary:</b>	Timeout testing of distress automated procedure		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clauses 6.5.3 and 6.5.9		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	Set the no activity timeout of received distress DSC automated procedures to some value in the range [10 seconds to 10 minutes]		
2	Cause the TE to send a Distress alert		
3	Wait until the no activity timer defined in step 1 almost expires		
4	Verify that at least 10 seconds prior to automated termination a visual and aural warning is given by the EUT, indicating the nearing no activity timeout	Yes	No
5	Verify that the EUT provides the means to silence the above alarm	Yes	No
6	Verify that the EUT provides the means to stop the upcoming 'no activity termination' of the automated procedure	Yes	No
<b>Final verdict:</b>			

## 6.6 Non Distress automated procedures

### 6.6.1 Higher priority calls

#### 6.6.1.1 Non-DSC calls

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0001		
<b>Summary:</b>	'Priority higher than non-DSC call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with a non-DSC voice call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Individual Routine call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT displays what type of call is received	Yes	No
4	Verify that EUT displays the MMSI of QE1	Yes	No
5	Verify that EUT gives the option to accept or log the call	Yes	No
6	Cause EUT to accept the call		
7	Verify the voice communication between EUT and QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0002		
<b>Summary:</b>	'Priority higher than non-DSC call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with a non-DSC voice call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Individual Safety call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT displays what type of call is received	Yes	No
4	Verify that EUT displays the MMSI of QE1	Yes	No
5	Verify that EUT gives the option to accept or log the call	Yes	No
6	Cause EUT to accept the call		
7	Verify the voice communication between EUT and QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0003		
<b>Summary:</b>	'Priority higher than non-DSC call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with a non-DSC voice call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Geographical Area Safety call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT displays what type of call is received	Yes	No
4	Verify that EUT displays the MMSI of QE1	Yes	No
5	Verify that EUT gives the option to accept or log the call	Yes	No
6	Cause EUT to accept the call		
7	Verify the voice communication between EUT and QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0004		
<b>Summary:</b>	'Priority higher than non-DSC call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with a non-DSC voice call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Individual Urgency call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT displays what type of call is received	Yes	No
4	Verify that EUT displays the MMSI of QE1	Yes	No
5	Verify that EUT gives the option to accept or log the call	Yes	No
6	Cause EUT to accept the call		
7	Verify the voice communication between EUT and QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0005		
<b>Summary:</b>	'Priority higher than non-DSC call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with a non-DSC voice call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Geographical Area Urgency call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT displays what type of call is received	Yes	No
4	Verify that EUT displays the MMSI of QE1	Yes	No
5	Verify that EUT gives the option to accept or log the call	Yes	No
6	Cause EUT to accept the call		
7	Verify the voice communication between EUT and QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0006		
<b>Summary:</b>	'Priority higher than non-DSC call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with a non-DSC voice call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Individual Routine call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT displays what type of call is received	Yes	No
4	Verify that EUT displays the MMSI of QE1	Yes	No
5	Verify that EUT gives the option to accept or log the call	Yes	No
6	Cause EUT to accept the call		
7	Verify the voice communication between EUT and QE1	Yes	No
<b>Final verdict:</b>			



Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0007		
<b>Summary:</b>	'Priority higher than non-DSC call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with a non-DSC voice call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send a Distress category call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT displays what type of call is received	Yes	No
4	Verify that EUT displays the MMSI of QE1	Yes	No
5	Verify that EUT gives the option to accept or log the call	Yes	No
6	Cause EUT to accept the call		
7	Verify the voice communication between EUT and QE1	Yes	No
<b>Final verdict:</b>			

### 6.6.1.2 Individual routine calls

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0008		
<b>Summary:</b>	'Priority lower than Individual call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Individual routine call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Individual Routine call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT does not display that a call was received	Yes	No
4	Verify that EUT has logged the call from QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0009		
<b>Summary:</b>	'Priority higher than Individual call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Individual routine call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Individual Safety call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT displays what type of call is received	Yes	No
4	Verify that EUT displays the MMSI of QE1	Yes	No
5	Verify that EUT gives the option to accept or log the call	Yes	No
6	Cause EUT to accept the call		
7	Verify the voice communication between EUT and QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0010		
<b>Summary:</b>	'Priority higher than Individual call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Individual routine call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Geographical Area Safety call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT displays what type of call is received	Yes	No
4	Verify that EUT displays the MMSI of QE1	Yes	No
5	Verify that EUT gives the option to accept or log the call	Yes	No
6	Cause EUT to accept the call		
7	Verify the voice communication between EUT and QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0011		
<b>Summary:</b>	'Priority higher than Individual call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Individual routine call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Individual Urgency call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT displays what type of call is received	Yes	No
4	Verify that EUT displays the MMSI of QE1	Yes	No
5	Verify that EUT gives the option to accept or log the call	Yes	No
6	Cause EUT to accept the call		
7	Verify the voice communication between EUT and QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0012		
<b>Summary:</b>	'Priority higher than Individual call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Individual routine call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Geographical Area Urgency call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT displays what type of call is received	Yes	No
4	Verify that EUT displays the MMSI of QE1	Yes	No
5	Verify that EUT gives the option to accept or log the call	Yes	No
6	Cause EUT to accept the call		
7	Verify the voice communication between EUT and QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0013		
<b>Summary:</b>	'Priority higher than Individual call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Individual routine call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send a Distress category call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT displays what type of call is received	Yes	No
4	Verify that EUT displays the MMSI of QE1	Yes	No
5	Verify that EUT gives the option to accept or log the call	Yes	No
6	Cause EUT to accept the call		
7	Verify the voice communication between EUT and QE1	Yes	No
<b>Final verdict:</b>			

### 6.6.1.3 Individual Safety calls

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0014		
<b>Summary:</b>	'Priority lower than Individual call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Individual safety call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Individual Routine call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT does not display that a call was received	Yes	No
4	Verify that EUT has logged the call from QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0015		
<b>Summary:</b>	'Priority lower than Individual call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Individual Safety call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Individual Safety call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT does not display that a call was received	Yes	No
4	Verify that EUT has logged the call from QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0016		
<b>Summary:</b>	'Priority higher than Individual call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Individual Safety call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Geographical Area Safety call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT displays what type of call is received	Yes	No
4	Verify that EUT displays the MMSI of QE1	Yes	No
5	Verify that EUT gives the option to accept or log the call	Yes	No
6	Cause EUT to accept the call		
7	Verify the voice communication between EUT and QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0017		
<b>Summary:</b>	'Priority higher than Individual call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Individual Safety call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Individual Urgency call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT displays what type of call is received	Yes	No
4	Verify that EUT displays the MMSI of QE1	Yes	No
5	Verify that EUT gives the option to accept or log the call	Yes	No
6	Cause EUT to accept the call		
7	Verify the voice communication between EUT and QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0018		
<b>Summary:</b>	'Priority higher than Individual call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Individual Safety call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Geographical Area Urgency call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT displays what type of call is received	Yes	No
4	Verify that EUT displays the MMSI of QE1	Yes	No
5	Verify that EUT gives the option to accept or log the call	Yes	No
6	Cause EUT to accept the call		
7	Verify the voice communication between EUT and QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0019		
<b>Summary:</b>	'Priority higher than Individual call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Individual Safety call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send a Distress category call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT displays what type of call is received	Yes	No
4	Verify that EUT displays the MMSI of QE1	Yes	No
5	Verify that EUT gives the option to accept or log the call	Yes	No
6	Cause EUT to accept the call		
7	Verify the voice communication between EUT and QE1	Yes	No
<b>Final verdict:</b>			

#### 6.6.1.4 Geographical Area Safety calls

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0020		
<b>Summary:</b>	'Priority lower than Geographical Area Safety call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Geographical Area safety call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Individual Routine call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT does not display that a call was received	Yes	No
4	Verify that EUT has logged the call from QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0021		
<b>Summary:</b>	'Priority lower than Geographical Area Safety call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Geographical Area safety call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Individual Safety call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT does not display that a call was received	Yes	No
4	Verify that EUT has logged the call from QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0022		
<b>Summary:</b>	'Priority lower than Geographical Area Safety call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Geographical Area safety call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an All Ships Safety call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT does not display that a call was received	Yes	No
4	Verify that EUT has logged the call from QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0023		
<b>Summary:</b>	'Priority higher than Geographical Area Safety call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Geographical Area Safety call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Individual Urgency call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT displays what type of call is received	Yes	No
4	Verify that EUT displays the MMSI of QE1	Yes	No
5	Verify that EUT gives the option to accept or log the call	Yes	No
6	Cause EUT to accept the call		
7	Verify the voice communication between EUT and QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0024		
<b>Summary:</b>	'Priority higher than Geographical Area Safety call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Geographical Area Safety call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Geographical Area Urgency call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT displays what type of call is received	Yes	No
4	Verify that EUT displays the MMSI of QE1	Yes	No
5	Verify that EUT gives the option to accept or log the call	Yes	No
6	Cause EUT to accept the call		
7	Verify the voice communication between EUT and QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0025		
<b>Summary:</b>	'Priority higher than Geographical Area Safety call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Geographical Area Safety call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send a Distress category call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT displays what type of call is received	Yes	No
4	Verify that EUT displays the MMSI of QE1	Yes	No
5	Verify that EUT gives the option to accept or log the call	Yes	No
6	Cause EUT to accept the call		
7	Verify the voice communication between EUT and QE1	Yes	No
<b>Final verdict:</b>			

## 6.6.1.5 Individual Urgency calls

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0026		
<b>Summary:</b>	'Priority lower than Individual Urgency call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Individual Urgency call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Individual Routine call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT does not display that a call was received	Yes	No
4	Verify that EUT has logged the call from QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0027		
<b>Summary:</b>	'Priority lower than Individual Urgency call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Individual Urgency call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Individual Safety call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT does not display that a call was received	Yes	No
4	Verify that EUT has logged the call from QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0028		
<b>Summary:</b>	'Priority lower than Individual Urgency call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Individual Urgency call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Geographical Area Safety call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT does not display that a call was received	Yes	No
4	Verify that EUT has logged the call from QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0029		
<b>Summary:</b>	'Priority lower than Individual Urgency call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Individual Urgency call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Individual Urgency call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT does not display that a call was received	Yes	No
4	Verify that EUT has logged the call from QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0030		
<b>Summary:</b>	'Priority higher than Individual Urgency call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Individual Urgency call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Geographical Area Urgency call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT displays what type of call is received	Yes	No
4	Verify that EUT displays the MMSI of QE1	Yes	No
5	Verify that EUT gives the option to accept or log the call	Yes	No
6	Cause EUT to accept the call		
7	Verify the voice communication between EUT and QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0031		
<b>Summary:</b>	'Priority higher than Individual Urgency call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Individual Urgency call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send a Distress category call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT displays what type of call is received	Yes	No
4	Verify that EUT displays the MMSI of QE1	Yes	No
5	Verify that EUT gives the option to accept or log the call	Yes	No
6	Cause EUT to accept the call		
7	Verify the voice communication between EUT and QE1	Yes	No
<b>Final verdict:</b>			

#### 6.6.1.6 Geographical Area Urgency calls

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0032		
<b>Summary:</b>	'Priority lower than Geographical Area Urgency call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Geographical Area Urgency call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Individual Routine call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT does not display that a call was received	Yes	No
4	Verify that EUT has logged the call from QE1	Yes	No
<b>Final verdict:</b>			



Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0033		
<b>Summary:</b>	'Priority lower than Geographical Area Urgency call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Geographical Area Urgency call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Individual Safety call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT does not display that a call was received	Yes	No
4	Verify that EUT has logged the call from QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0034		
<b>Summary:</b>	'Priority lower than Geographical Area Urgency call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Geographical Area Urgency call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Geographical Area Safety call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT does not display that a call was received	Yes	No
4	Verify that EUT has logged the call from QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0035		
<b>Summary:</b>	'Priority lower than Geographical Area Urgency call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Geographical Area Urgency call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Individual Urgency call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT does not display that a call was received	Yes	No
4	Verify that EUT has logged the call from QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0036		
<b>Summary:</b>	'Priority lower than Geographical Area Urgency call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Geographical Area Urgency call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Geographical Area Urgency call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT does not display that a call was received	Yes	No
4	Verify that EUT has logged the call from QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0037		
<b>Summary:</b>	'Priority higher than Geographical Area Urgency call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Geographical Area Urgency call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send a Distress category call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT displays what type of call is received	Yes	No
4	Verify that EUT displays the MMSI of QE1	Yes	No
5	Verify that EUT gives the option to accept or log the call	Yes	No
6	Cause EUT to accept the call		
7	Verify the voice communication between EUT and QE1	Yes	No
<b>Final verdict:</b>			

### 6.6.1.7 Geographical Area distress calls

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0046		
<b>Summary:</b>	'Priority lower than Geographical Area distress call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Geographical Area distress call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Individual Routine call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT does not display that a call was received	Yes	No
4	Verify that EUT has logged the call from QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0047		
<b>Summary:</b>	'Priority lower than Geographical Area distress call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Geographical Area distress call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Individual Safety call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT does not display that a call was received	Yes	No
4	Verify that EUT has logged the call from QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0048		
<b>Summary:</b>	'Priority lower than Geographical Area distress call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Geographical Area distress call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Geographical Area Safety call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT does not display that a call was received	Yes	No
4	Verify that EUT has logged the call from QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0049		
<b>Summary:</b>	'Priority lower than Geographical Area distress call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Geographical Area distress call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Individual Urgency call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT does not display that a call was received	Yes	No
4	Verify that EUT has logged the call from QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0050		
<b>Summary:</b>	'Priority lower than Geographical Area distress call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Geographical Area distress call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Geographical Area Urgency call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT does not display that a call was received	Yes	No
4	Verify that EUT has logged the call from QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0051		
<b>Summary:</b>	'Priority lower than Geographical Area distress call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Geographical Area distress call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Individual distress call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT does not display that a call was received	Yes	No
4	Verify that EUT has logged the call from QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0052		
<b>Summary:</b>	'Priority lower than Geographical Area distress call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Geographical Area distress call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an Geographical Area distress call to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT does not display that a call was received	Yes	No
4	Verify that EUT has logged the call from QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_NDAP_0053		
<b>Summary:</b>	'Priority higher than Geographical Area distress call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	EUT is busy with an Geographical Area distress call		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to send an All Ships distress alert to EUT		
2	Verify that EUT give a discrete audible alarm	Yes	No
3	Verify that EUT displays what type of call is received	Yes	No
4	Verify that EUT displays the MMSI of QE1	Yes	No
5	Verify that EUT gives the option to accept or log the call	Yes	No
6	Cause EUT to accept the call		
7	Verify the voice communication between EUT and QE1	Yes	No
<b>Final verdict:</b>			

## 6.6.2 Timeout tests

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_VHF_NDAP_0054		
<b>Summary:</b>	Timeout testing of Individual call automated procedure		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clauses 6.5.3 and 6.5.9		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	Set the no activity timeout of non distress DSC automated procedure to some value in the range [10 seconds to 10 minutes]		
2	Cause the TE to send an Individual routine call to the EUT		
3	Wait until the no activity timer defined in step 1 almost expires		
4	Verify that at least 10 seconds prior to automated termination a visual and aural warning is given by the EUT, indicating the nearing no activity timeout	Yes	No
5	Verify that the EUT provides the means to silence the above alarm	Yes	No
6	Verify that the EUT provides the means to stop the upcoming 'no activity termination' of the automated procedure	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_VHF_NDAP_0055		
<b>Summary:</b>	Timeout testing of Individual safety call automated procedure		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clauses 6.5.3 and 6.5.9		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	Set the no activity timeout of non distress DSC automated procedure to some value in the range [10 seconds to 10 minutes]		
2	Cause the TE to send an Individual safety call to the EUT		
3	Wait until the no activity timer defined in step 1 almost expires		
4	Verify that at least 10 seconds prior to automated termination a visual and aural warning is given by the EUT, indicating the nearing no activity timeout	Yes	No
5	Verify that the EUT provides the means to silence the above alarm	Yes	No
6	Verify that the EUT provides the means to stop the upcoming 'no activity termination' of the automated procedure	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_VHF_NDAP_0056		
<b>Summary:</b>	Timeout testing of All ships safety call automated procedure		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clauses 6.5.3 and 6.5.9		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	Set the no activity timeout of non distress DSC automated procedure to some value in the range [10 seconds to 10 minutes]		
2	Cause the TE to send an All ships safety call		
3	Wait until the no activity timer defined in step 1 almost expires		
4	Verify that at least 10 seconds prior to automated termination a visual and aural warning is given by the EUT, indicating the nearing no activity timeout	Yes	No
5	Verify that the EUT provides the means to silence the above alarm	Yes	No
6	Verify that the EUT provides the means to stop the upcoming 'no activity termination' of the automated procedure	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_VHF_NDAP_0057		
<b>Summary:</b>	Timeout testing of Individual Urgency call automated procedure		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clauses 6.5.3 and 6.5.9		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	Set the no activity timeout of non distress DSC automated procedure to some value in the range [10 seconds to 10 minutes]		
2	Cause the TE to send an Individual Urgency call to the EUT		
3	Wait until the no activity timer defined in step 1 almost expires		
4	Verify that at least 10 seconds prior to automated termination a visual and aural warning is given by the EUT, indicating the nearing no activity timeout	Yes	No
5	Verify that the EUT provides the means to silence the above alarm	Yes	No
6	Verify that the EUT provides the means to stop the upcoming 'no activity termination' of the automated procedure	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_VHF_NDAP_0058		
<b>Summary:</b>	Timeout testing of All Ships Urgency call automated procedure		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clauses 6.5.3 and 6.5.9		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	Set the no activity timeout of non distress DSC automated procedure to some value in the range [10 seconds to 10 minutes]		
2	Cause the TE to send an All Ships Urgency call		
3	Wait until the no activity timer defined in step 1 almost expires		
4	Verify that at least 10 seconds prior to automated termination a visual and aural warning is given by the EUT, indicating the nearing no activity timeout	Yes	No
5	Verify that the EUT provides the means to silence the above alarm	Yes	No
6	Verify that the EUT provides the means to stop the upcoming 'no activity termination' of the automated procedure	Yes	No
<b>Final verdict:</b>			

## 6.7 Other calls

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_OC_0001		
<b>Summary:</b>	'Sending Individual test call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	QE1 and EUT in standby on 2 182 kHz		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT select 'Call' then select 'Test Call'		
2	Enter/select MMSI of QE1		
3	Cause EUT to send the call		
4	Verify that ACK is received from QE1	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_MFHF_OC_0002		
<b>Summary:</b>	'Receiving Individual test call'		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.9		
<b>Pre-test conditions:</b>	QE1 and EUT in standby on 2 182 kHz		
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 select 'Call' then select 'Test Call'		
2	Enter/select MMSI of EUT		
3	Cause QE1 to send the call		
4	Verify that ACK is received from EUT	Yes	No
<b>Final verdict:</b>			

## 6.8 Interface and other functions

### 6.8.1 General Tests

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_GEN_0001		
<b>Summary:</b>	Primary DSC alphanumeric display test		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 4.1.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	Verify that EUT displays at a minimum a total number of 32 characters	Yes	No
2	Verify that EUT displays the number of lines	Yes	No
3	Verify that on the EUT's display the minimum number of characters per line is 12	Yes	No
4	Verify that on the EUT that any displayed information is static	Yes	
5	Verify that on the EUT horizontal scrolling techniques are not permitted	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_GEN_0002		
<b>Summary:</b>	Displaying all the user programmable information content of a DSC call		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.3		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	Verify that EUT is capable of displaying its station MMSI	Yes	No
2	Verify that EUT is capable of displaying its latest position of the vessel	Yes	No
3	Verify that EUT is capable of displaying the UTC time of its latest position	Yes	No
<b>Final verdict:</b>			

## 6.8.2 Alarms in standby mode

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_ASM_0001		
<b>Summary:</b>	Visual and aural alarm for Distress count		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 6.2.3 and C.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT push Distress Button		
2	Verify that EUT sounds the countdown alarm	Yes	No
3	Verify that EUT stops the alarm when QE1 receives the alert	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_ASM_0002		
<b>Summary:</b>	Visual and aural alarm for Distress alert - Timeout cancellation		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 6.2.3 and C.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 push Distress Button		
2	Release the distress button after the countdown is complete	Yes	No
3	Verify that EUT receives the alert	Yes	No
4	Verify that EUT provides both a visual and aural alarm component	Yes	No
5	Verify that EUT provides the reason for the alarm	Yes	No
6	Verify that EUT initially is of a loudness that is clearly distinguishable for first 10 seconds	Yes	No
7	Verify that EUT's alarm starts softly to rise within next 10 seconds	Yes	No
8	Do not cancel the alarm manually		
9	Verify that EUT cancels the alarm automatically after 2 minutes	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_ASM_0003		
<b>Summary:</b>	Visual and aural alarm for Distress alert - Manual cancellation		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 6.2.3 and C.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 push Distress Button		
2	Release the distress button after the countdown is complete	Yes	No
3	Verify that EUT receives the alert	Yes	No
4	Verify that EUT provides both a visual and aural alarm component	Yes	No
5	Verify that EUT provides the reason for the alarm	Yes	No
6	Verify that EUT initially is of a loudness that is clearly distinguishable for first 10 seconds	Yes	No
7	Verify that EUT's alarm starts softly to rise within next 10 seconds	Yes	No
8	Cancel the alarm manually		
9	Verify that EUT stops visual and aural alarm component	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_ASM_0004		
<b>Summary:</b>	Visual and aural alarm for Distress acknowledgement - Timeout cancellation		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 6.2.3 and C.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT push Distress Button		
2	Release the distress button after the countdown is complete	Yes	No
3	Verify that QE1 receives the alert	Yes	No
4	Cause QE1 to acknowledge the alert		
5	Verify that EUT sounds and displays the distress ack alarm	Yes	No
6	Do not cancel the alarm manually		
7	Verify that EUT cancels the alarm automatically after 2 minutes	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_ASM_0005		
<b>Summary:</b>	Visual and aural alarm for Distress acknowledgement - Manual cancellation		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 6.2.3 and C.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT push Distress Button		
2	Release the distress button after the countdown is complete	Yes	No
3	Verify that QE1 receives the alert	Yes	No
4	Cause QE1 to acknowledge the alert		
5	Verify that EUT sounds and displays the distress ack alarm	Yes	No
6	Cancel the alarm manually		
7	Verify that EUT stops visual and aural alarm component	Yes	No
<b>Final verdict:</b>			



Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_ASM_0006		
<b>Summary:</b>	Visual and aural alarm for Distress relay RT Individual - Manual cancellation		
<b>Configuration:</b>	CF_4		
<b>References:</b>	[1], clauses 6.2.3 and C.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE2 push Distress Button		
2	Release the distress button after the countdown is complete	Yes	No
3	Verify that QE1 receives the alert and cause it to relay the alert to EUT	Yes	No
4	Verify that EUT receives the alert	Yes	No
5	Verify that EUT provides both a visual and aural alarm component	Yes	No
6	Verify that EUT provides the reason for the alarm	Yes	No
7	Verify that EUT initially is of a loudness that is clearly distinguishable for first 10 seconds	Yes	No
8	Verify that EUT's alarm starts softly to rise within next 10 seconds	Yes	No
9	Cancel the alarm manually		
10	Verify that EUT stops visual and aural alarm component	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_ASM_0007		
<b>Summary:</b>	Visual and aural alarm for Distress relay RT Geographical Area - Manual cancellation		
<b>Configuration:</b>	CF_4		
<b>References:</b>	[1], clauses 6.2.3 and C.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE2 push Distress Button		
2	Release the distress button after the countdown is complete	Yes	No
3	Verify that QE1 receives the alert and cause it to relay the alert to 'Geographical Area' address	Yes	No
4	Verify that EUT receives the alert	Yes	No
5	Verify that EUT provides both a visual and aural alarm component	Yes	No
6	Verify that EUT provides the reason for the alarm	Yes	No
7	Verify that EUT initially is of a loudness that is clearly distinguishable for first 10 seconds	Yes	No
8	Verify that EUT's alarm starts softly to rise within next 10 seconds	Yes	No
9	Cancel the alarm manually		
10	Verify that EUT stops visual and aural alarm component	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_ASM_0008		
<b>Summary:</b>	Visual and aural alarm for Distress relay ACK Individual - Manual cancellation		
<b>Configuration:</b>	CF_6		
<b>References:</b>	[1], clauses 6.2.3 and C.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE3 push Distress Button		
2	Release the distress button after the countdown is complete	Yes	No
3	Verify that QE2 receives the alert and cause it to relay the alert to 'Geographical Area' address		
4	Verify that QE1 receives the alert relay		
5	Cause QE1 to acknowledge the alert relay		
6	Verify that EUT sounds and displays the distress ack alarm	Yes	No
7	Cancel the alarm manually		
8	Verify that EUT stops visual and aural alarm component	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_ASM_0009		
<b>Summary:</b>	Visual and aural alarm for 'Geographical Area RT call- Urgency' - Timeout cancellation		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 6.2.3 and C.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 select 'Call' then select 'Geographical Area - Urgency'		
2	Accept the proposed channel		
3	Cause QE1 to send the call		
4	Verify that EUT receives the call	Yes	No
5	Verify that EUT provides both a visual and aural alarm component	Yes	No
6	Verify that EUT's alarm starts softly to rise within next 10 seconds	Yes	No
7	Verify that EUT provides the reason for the alarm	Yes	No
8	Verify that EUT cancels the alarm automatically after 2 minutes	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_ASM_0010		
<b>Summary:</b>	Visual and aural alarm for 'Geographical Area RT call- Urgency' - Manual cancellation		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 6.2.3 and C.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 select 'Call' then select 'Geographical Area - Urgency'		
2	Accept the proposed channel		
3	Cause QE1 to send the call		
4	Verify that EUT receives the call	Yes	No
5	Verify that EUT provides both a visual and aural alarm component	Yes	No
6	Verify that EUT provides the reason for the alarm	Yes	No
7	Verify that EUT's alarm starts softly to rise within next 10 seconds	Yes	No
8	Cancel the alarm manually		
9	Verify that EUT stops visual and aural alarm component	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_ASM_0011		
<b>Summary:</b>	Visual and aural alarm for 'Geographical Area RT call - Safety' - Automatic cancellation		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 6.2.3 and C.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 select 'Call' then select 'Geographical Area - Safety'		
2	Accept the proposed channel		
3	Cause QE1 to send the call		
4	Verify that EUT receives the call	Yes	No
5	Verify that EUT provides both a visual and aural alarm component	Yes	No
6	Verify that EUT's alarm starts softly to rise within next 10 seconds	Yes	No
7	Verify that EUT provides the reason for the alarm	Yes	No
8	Verify that EUT cancels the alarm automatically	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_ASM_0012		
<b>Summary:</b>	Visual and aural alarm for 'Individual RT call- Urgency' - Timeout cancellation		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 6.2.3 and C.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 select 'Call' then select 'Individual - Urgency'		
2	Accept the proposed channel		
3	Enter/select MMSI of EUT		
4	Accept the proposed channel		
5	Cause QE1 to send the call to EUT		
6	Verify that EUT receives the call	Yes	No
7	Verify that EUT provides both a visual and aural alarm component	Yes	No
8	Verify that EUT's alarm starts softly to rise within next 10 seconds	Yes	No
9	Verify that EUT provides the reason for the alarm	Yes	No
10	Verify that EUT cancels the alarm automatically after 2 minutes	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_ASM_0013		
<b>Summary:</b>	Visual and aural alarm for 'Individual RT call- Urgency' - Manual cancellation		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clause 6.2.3 and C.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 select 'Call' then select 'Individual - Urgency'		
2	Accept the proposed channel		
3	Enter/select MMSI of EUT		
4	Accept the proposed channel		
5	Cause QE1 to send the call to EUT		
6	Verify that EUT receives the call	Yes	No
7	Verify that EUT provides both a visual and aural alarm component	Yes	No
8	Verify that EUT provides the reason for the alarm	Yes	No
9	Verify that EUT's alarm starts softly to rise within next 10 seconds	Yes	No
10	Cancel the alarm manually		
11	Verify that EUT stops visual and aural alarm component	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_ASM_0014		
<b>Summary:</b>	Visual and aural alarm for 'Individual RT call - Safety' - Automatic cancellation		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 6.2.3 and C.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 select 'Call' then select 'Individual - Safety'		
2	Accept the proposed channel		
3	Enter/select MMSI of EUT		
4	Accept the proposed channel		
5	Cause QE1 to send the call to EUT		
6	Verify that EUT receives the call	Yes	No
7	Verify that EUT provides both a visual and aural alarm component	Yes	No
8	Verify that EUT's alarm starts softly to rise within next 10 seconds	Yes	No
9	Verify that EUT provides the reason for the alarm	Yes	No
10	Verify that EUT cancels the alarm automatically	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_ASM_0015		
<b>Summary:</b>	Visual and aural alarm for Individual test call - Safety		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 6.2.3 and C.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 select 'Call' then select 'Test - Safety'		
2	Enter/select MMSI of EUT		
3	Accept the proposed channel		
4	Cause QE1 to send the individual call to EUT		
5	Verify that EUT receives the call	Yes	No
6	Verify that EUT provides both a visual and aural alarm component	Yes	No
7	Verify that EUT provides the reason for the alarm	Yes	No
8	Verify that EUT cancels the alarm automatically	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_ASM_0016		
<b>Summary:</b>	Visual and aural alarm for Individual test call ACK -Safety		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 6.2.3 and C.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT select 'Call' then select 'Test - Safety'		
2	Enter/select MMSI of QE1		
3	Accept the proposed channel		
4	Cause EUT to send the individual call to QE1		
5	Verify that QE1 receives the call	Yes	No
6	Cause QE1 to acknowledge the call		
7	Verify that EUT sounds and displays the ack alarm	Yes	No
8	Verify that EUT cancels the alarm automatically	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_ASM_0017		
<b>Summary:</b>	Visual and aural alarm for Group call - Routine		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 6.2.3 and C.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 select 'Call' then select 'Group Call'		
2	Enter/select Group MMSI to which EUT belongs		
3	Accept the proposed channel		
4	Cause QE1 to send the individual call to EUT		
5	Verify that EUT receives the call	Yes	No
6	Verify that EUT provides both a visual and aural alarm component	Yes	No
7	Verify that EUT provides the reason for the alarm	Yes	No
8	Verify that EUT cancels the alarm automatically	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_ASM_0018		
<b>Summary:</b>	Visual and aural alarm for Individual call - Routine		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 6.2.3 and C.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 select 'Call' then select 'Individual - Routine'		
2	Enter/select MMSI of EUT		
3	Accept the proposed channel		
4	Cause QE1 to send the individual call to EUT		
5	Verify that EUT receives the call	Yes	No
6	Verify that EUT provides both a visual and aural alarm component	Yes	No
7	Verify that EUT provides the reason for the alarm	Yes	No
8	Verify that EUT cancels the alarm automatically	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_ASM_0019		
<b>Summary:</b>	Visual and aural alarm for Individual call ACK -Safety		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 6.2.3 and C.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT select 'Call' then select 'Individual - Routine'		
2	Enter/select MMSI of QE1		
3	Accept the proposed channel		
4	Cause EUT to send the individual call to QE1		
5	Verify that QE1 receives the call	Yes	No
6	Cause QE1 to acknowledge the call		
7	Verify that EUT sounds and displays the ack alarm	Yes	No
8	Verify that EUT cancels the alarm automatically	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_ASM_0020		
<b>Summary:</b>	Visual and aural alarm for Distress Alert Cancel - Timeout cancellation		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clauses 6.2.3 and C.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 push Distress Button		
2	Release the distress button after the countdown is complete	Yes	No
3	Verify that EUT receives the alert	Yes	No
4	Cause QE1 to cancel the alert		
5	Verify that EUT provides both a visual and aural alarm cancellation component	Yes	No
6	Verify that EUT cancels the alarm automatically after 2 minutes	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_ASM_0021		
<b>Summary:</b>	Visual and aural alarm for Distress Alert Cancel - Manual cancellation		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clause 6.2.3 and C.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 push Distress Button		
2	Release the distress button after the countdown is complete	Yes	No
3	Verify that EUT receives the alert	Yes	No
4	Cause QE1 to cancel the alert		
5	Verify that EUT provides both a visual and aural alarm cancellation component	Yes	No
6	Cancel the alarm manually		
7	Verify that EUT stops visual and aural alarm component	Yes	No
<b>Final verdict:</b>			

### 6.8.3 Alarms when busy

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_AWB_0001		
<b>Summary:</b>	Visual and aural alarm for Distress alert when EUT busy - initiator		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clause 6.9.2.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT select 'Call' then select 'Individual - Routine'		
2	Enter/select MMSI of QE1		
3	Accept the proposed channel		
4	Cause EUT to send the individual call to QE1		
5	Verify that QE1 receives the call	Yes	No
6	On QE1 push Distress Button		
7	Release the distress button after the countdown is complete	Yes	No
8	Verify that EUT sounds the two-tone alarm	Yes	No
9	Do not accept the distress call		
10	Verify that EUT logs the distress call	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_AWB_0002		
<b>Summary:</b>	Visual and aural alarm for Distress alert when EUT busy - receiver		
<b>Configuration:</b>	CF_2		
<b>References:</b>	[1], clause 6.9.2.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 select 'Call' then select 'Individual - Routine'		
2	Enter/select MMSI of EUT		
3	Accept the proposed channel		
4	Cause QE1 to send the individual call to EUT		
5	Verify that EUT receives the call	Yes	No
6	On QE1 push Distress Button		
7	Release the distress button after the countdown is complete	Yes	No
8	Verify that EUT sounds the discrete audible alarm and displays distress information	Yes	No
9	Do not accept the distress call		
10	Verify that EUT logs the distress call	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_AWB_0003		
<b>Summary:</b>	Logging and Aural alarm for lower priority call when EUT busy - initiator		
<b>Configuration:</b>	CF_5		
<b>References:</b>	[1], clause 6.9.2.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On EUT push Distress Button		
2	Release the distress button after the countdown is complete	Yes	No
3	Verify that QE1 receives the alert	Yes	No
4	Do not cause QE1 to acknowledge the alert		
5	On QE2 select 'Call' then select 'Individual - Routine'		
6	Enter/select MMSI of EUT		
7	Accept the proposed channel		
8	Cause QE2 to send the individual call to EUT		
9	Verify that EUT sounds the discrete audible alarm	Yes	No
10	Verify that EUT logs the call amongst unread calls	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_AWB_0004		
<b>Summary:</b>	Logging and Aural alarm for lower priority call when EUT busy - receiver		
<b>Configuration:</b>	CF_5		
<b>References:</b>	[1], clause 6.9.2.1		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 push Distress Button		
2	Release the distress button after the countdown is complete	Yes	No
3	Verify that EUT receives the alert	Yes	No
4	On QE2 select 'Call' then select 'Individual - Routine'		
5	Enter/select MMSI of EUT		
6	Accept the proposed channel		
7	Cause QE2 to send the individual call to EUT		
8	Verify that EUT sounds the discrete audible alarm	Yes	No
9	Verify that EUT logs the call amongst unread calls	Yes	No
<b>Final verdict:</b>			

#### 6.8.4 Standby mode interface functions

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_SMIF_0001		
<b>Summary:</b>	Availability of Distress button during standby mode		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.3		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	Verify that EUT has a dedicated distress button available either as a dedicated and labelled 'Distress' button or as a top-level soft-button on a touch screen	Yes	No
<b>Final verdict:</b>			

<b>Interoperability Test Description</b>			
<b>Identifier:</b>	TD_DSC_IF_SMIF_0002		
<b>Summary:</b>	Availability of means to compose a non-distress DSC message during standby mode		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.3		
<b>Pre-test conditions:</b>			
<b>Step</b>	<b>Test Sequence</b>	<b>Verdict</b>	
		<b>Pass</b>	<b>Fail</b>
1	Verify that EUT has clearly labelled means to compose/send a non-distress DSC message	Yes	No
<b>Final verdict:</b>			

<b>Interoperability Test Description</b>			
<b>Identifier:</b>	TD_DSC_IF_SMIF_0003		
<b>Summary:</b>	Availability of required functions via a maximum of two menu layers during standby mode		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.3		
<b>Pre-test conditions:</b>			
<b>Step</b>	<b>Test Sequence</b>	<b>Verdict</b>	
		<b>Pass</b>	<b>Fail</b>
1	Verify that EUT's MMSI information can be accessed via a maximum of two menu layers from the top-level	Yes	No
2	Verify that EUT's latest position can be viewed via a maximum of two menu layers from the top-level	Yes	No
3	Verify that the UTC acquisition time of the EUT's latest position can be viewed via a maximum of two menu layers from the top-level	Yes	No
4	Verify that a clearly labelled means to compose a distress alert can be accessed in the EUT via a maximum of two menu layers from the top-level	Yes	No
<b>Final verdict:</b>			



Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_SMIF_0004		
<b>Summary:</b>	Availability of required configuration options and timers		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.3		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	Verify that EUT provides the option to auto acknowledge test DSC messages, being set to 'on' by default	Yes	No
2	Verify that the above option is being set to 'on' by default	Yes	No
3	Verify that EUT provides the option to auto acknowledge individually addressed, non-distress DSC messages	Yes	No
4	Verify that the above option is being set to 'off' by default	Yes	No
5	Verify that EUT provides the option to set the no activity timeout to exit any non automated procedure activity to some value that includes no timeout	Yes	No
6	Verify that the above option is being set to '10 minutes' by default	Yes	No
7	Verify that EUT provides the option to set the no activity timeout of non distress DSC automated procedures to some value that includes no timeout	Yes	No
8	Verify that the above option is being set to '15 minutes' by default	Yes	No
9	Verify that EUT provides the option to set the no activity timeout of received distress DSC automated procedures to some value that includes no timeout	Yes	No
10	Verify that the above option is being set to 'no timeout' by default	Yes	No
11	Verify that EUT does not provide any option to set any timeout of the unacknowledged sending distress automated procedure	Yes	No
12	Verify that EUT provides the option to set the no activity timeout of communications automated procedures to some value in the range [10 seconds to 10 minutes]	Yes	No
13	Verify that the above option is being set to '30 seconds' by default	Yes	No
<b>Final verdict:</b>			

Interoperability Test Description			
<b>Identifier:</b>	TD_DSC_IF_SMIF_0005		
<b>Summary:</b>	Availability of required DSC distress activity recording		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.3		
<b>Pre-test conditions:</b>			
Step	Test Sequence	Verdict	
		Pass	Fail
1	On QE1 push Distress Button		
2	Release the distress button after the countdown is complete	Yes	No
1	Execute this distress sending procedure twenty times, waiting at least 5 seconds between subsequent repetitions.		
2	Verify that EUT provides the record of all twenty DSC distress messages, where each distress alert attempt is recorded as a single message	Yes	No
3	Verify that EUT provides the UTC time of reception date for each of the above message records	Yes	No
4	Verify that EUT provides the information content of the DSC message for each of the above message records	Yes	No
<b>Final verdict:</b>			

<b>Interoperability Test Description</b>			
<b>Identifier:</b>	TD_DSC_IF_SMIF_0006		
<b>Summary:</b>	Availability of required DSC non distress activity recording		
<b>Configuration:</b>	CF_1		
<b>References:</b>	[1], clause 6.3		
<b>Pre-test conditions:</b>			
<b>Step</b>	<b>Test Sequence</b>	<b>Verdict</b>	
		<b>Pass</b>	<b>Fail</b>
1	On QE1 select 'Call' then select 'Individual - Routine'		
2	Enter/select MMSI of EUT		
3	Accept the proposed channel		
4	Cause QE1 to send the individual call to EUT		
5	Repeat the above steps 1 to 4 nineteen times, so that twenty calls have been made in total		
6	Verify that EUT provides the record of all twenty DSC non distress messages, where each call data is recorded as a single message	Yes	No
7	Verify that EUT provides the UTC time of reception date for each of the above message records	Yes	No
8	Verify that EUT provides the information content of the DSC message for each of the above message records	Yes	No
<b>Final verdict:</b>			

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## Annex A (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".
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## History

<b>Document history</b>		
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