

ANNEX 1
(English only)

**GUIDANCE NOTES FOR THE FIRST MODIFICATION TESTING PHASE
OF THE LRIT SYSTEM**

1 General

1.1 This note provides guidance to LRIT Data Centres (DCs) and the International LRIT Data Exchange (IDE) for the first modification testing phase of the LRIT system and should be read together with the Protocols and arrangements for the prototype, developmental and integration and modification testing phases of the LRIT system (Version 4) (the Protocols), in particular section 3.5, which are set out in the annex to MSC.1/Circ.1294/Rev.2 (to be issued after MSC 88).

1.2 The first modification testing phase of the LRIT system would be conducted during January and February 2011 and consist of:

- .1 the implementation of a new version of the XML schemas amending the data elements "percentageValueType" and "priceValueType" of the Types.xsd file and the entitlement of Search and Rescue (SAR) services of SOLAS Contracting Governments to request and receive Archived LRIT information (MSC 86/6/1, annexes 5 and 6 refer); and
- .2 the process of Receipt messages with Receipt Code = 1 (no ships in SAR SURPIC area) with invalid DDP version number parameter and the entitlement of SOLAS Contracting Governments to request LRIT information about ships which had indicated their intention to enter a port listed in the DDP under any of their non-metropolitan territories or special administrative regions (MSC 88/6/1, annex 2 refers).

1.3 The above-mentioned amendments will be implemented and tested, in first instance, by the IDE, the LRIT Data Distribution Plan (DDP) server and two voluntary DCs.

1.4 The Report of test results and the related Summary report required to be completed by DCs and the IDE are set out in annexes 1 and 2, respectively.

1.5 DCs are advised that, due to the transfer of operations of the IDE from the United States to EMSA, the IDE operating in the testing environment would not be available during part of March 2011. Therefore, modification testing should be completed before March 2011.

2 Pre-modification testing process

2.1 The Secretariat, after receiving a satisfactory confirmation from the IDE and the two voluntary DCs that had undergone testing in first instance, should notify all LRIT system components (IDE, DDP server and DCs) operating in the production environment of the LRIT system and the LRIT Coordinator, that modification testing can commence.

2.1.1 The Secretariat should provide all DCs operating in the production environment with a bespoke version of the Summary report and the Report of test results, including the test procedures and cases required to be conducted in the testing environment of the LRIT system, together with any particular instructions to be observed.

2.1.2 At this time, the new version of the XML schemas should be available for download in the testing environment of the DDP.

3 Modification testing process

Implementation and testing in the Testing environment

3.1 DCs to be tested should proceed in accordance with the procedures set out in section 3.5.3 of the Protocols.

3.1.1 DCs to be tested based on the same design and the same software and hardware solutions, and which are hosted and operated by the same entity which had been contracted to establish and operate the DC, are not required to be tested in the testing environment provided that at least two of these DCs have satisfactorily completed modification testing.

3.1.2 The above-mentioned exception only applies to the tests required to be conducted in the testing environment.

3.1.3 DCs which qualify for the above exception should notify the Organization by submitting the statement set out in annex 3 and should request to start testing in the production environment.

3.2 Subject to the provisions of paragraphs 3.1.1 to 3.1.3, DCs concerned should undergo and satisfactorily complete the communications and functional tests specified in the Secretariat's notification for the testing environment.

3.2.1 DCs are advised that there is no need to submit a new request for the issuance of PKI certificates for the testing environment.

3.3 On satisfactory completion of the test procedures and test cases, the DC that has undergone testing in the testing environment should complete the Summary report and the Report of test results and forward these to the Organization.

3.4 The Secretariat should provide the IDE with copies of the Report of test results and of the related Summary report as soon as it receives them.

3.5 The IDE should, no later than two² working days after receiving the testing documentation, advise the Organization whether it is satisfied with the results of the testing as documented by the DC which has undergone testing and confirm that these are certified as true and correct by completing the relevant part of the related Summary report and returning it to the Organization.

3.6 Having received the relevant part of the Summary report from the IDE, the Secretariat will forward the complete Summary report and Report of test results to the LRIT Coordinator for information.

3.7 In case a DC fails to satisfactorily complete all required tests, it should be treated as a system component which has not undergone any testing and should commence testing anew through the modification testing phase route.

² The IDE would make every effort to submit the related external certification within two working days. However, this period could be extended if several DCs submit their testing results at the same time.

Implementation and testing in the Production environment

3.8 DCs that have satisfactorily completed all required tests in the testing environment or those which were not required to be tested in the testing environment and have submitted to the Organization the statement mentioned in paragraph 3.1.3 should proceed in accordance with the procedures set out in section 3.5.4 of the Protocols.

3.9 The Secretariat should provide the DC concerned with a bespoke version of the Summary report and the Report of test results, including the test procedures and cases required to be conducted in the production environment of the LRIT system, together with any particular instructions to be observed.

3.10 DCs concerned should undergo and satisfactorily complete the communications and functional tests specified in the Secretariat's notification for the production environment.

3.10.1 All tests in the production environment of the LRIT system should be carried out and satisfactorily completed, no later than five working days after having received the above communication from the Secretariat.

3.10.2 DCs are advised that there is no need to submit a new request for the issuance of PKI certificates for the production environment.

3.11 On satisfactory completion of the test procedures and test cases, the DC that has undergone testing in the production environment should complete the Summary report and the Report of test results and forward these to the Organization.

3.11.1 Testing results of DCs based on the same design and the same software and hardware solutions, and which are hosted and operated by the same entity which had been contracted to establish and operate the DC, can be submitted under a single Summary report and Report of test results.

3.12 The Secretariat should provide the IDE with copies of the Report of test results and of the related Summary report as soon as it receives them.

3.13 The IDE should, no later than two³ working days after receiving the testing documentation, advise the Organization whether it is satisfied with the results of the testing as documented by the DC(s) which has/have undergone testing and confirm that these are certified as true and correct by completing the relevant part of the related Summary report and returning it to the Organization.

3.14 Having received the relevant part of the Summary report from the IDE, the Secretariat will forward the complete Summary report and Report of test results to the LRIT Coordinator for information.

3.15 If the DC in question fails to satisfactorily complete all required tests or does not provide the completed Report of test results and the related Summary report after the fifth working day as indicated in paragraph 4.10.1 above, that DC should be treated as a DC which has not undergone any testing and should commence testing anew through the modification testing phase route. In this case, the Secretariat should inform accordingly those operating in the production environment and the LRIT Coordinator.

³ The IDE would make every effort to submit the related external certification within two working days. However, this period could be extended if several DCs submit their testing results at the same time.