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COMMUNICATIONS AND SEARCH AND
RESCUE
1st session
Agenda item 8

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CONSIDERATION OF LRIT-RELATED MATTERS

Outcome of the second session of IMSO LRIT Operators Meeting

Submitted by the International Mobile Satellite Organization (IMSO)

SUMMARY

Executive summary: This document provides information on the outcome of the Second session of the IMSO LRIT Operators Meeting held from 3 to 5 March 2014

Strategic direction: 5.2

High-level action: 5.2.4

Planned output: 5.2.4.2

Action to be taken: Paragraph 17

Related documents: Resolution MSC.263(84), as amended; MSC.1/Circ.1259/Rev.5, MSC.1/Circ.1294/Rev.3, MSC.1/Circ.1376/Rev.1, MSC.1/Circ.1412, MSC.1/Circ.1338 and COMSAR.1/Circ.54/Rev.1

Introduction

1 This document contains information on the outcome of the second session of the IMSO LRIT Operators Meeting which was held from 3 to 5 March 2014 at IMO Headquarters. The first session was held in March 2011. The meeting successfully provided LRIT operators the opportunity to get together and discuss technical issues of mutual interest.

2 The MSC Ad Hoc LRIT Group, which held ten sessions between 2008 and 2011, provided a useful platform to the LRIT community to discuss and agree on various technical issues concerning LRIT. During the period between the last session of the group in September 2011 and 2014, IMSO compiled a list of LRIT-related issues that would normally require technical expertise for their resolution. These issues derived mainly from audits conducted, deliberations of the COMSAR Sub-Committee and information received from individual LRIT operators.

3 IMSO took the initiative to convene a meeting at which those responsible for the day-to-day operation of the LRIT system could exchange information, work together and share their experiences. Invitations for the meeting were sent only to those in charge of the operation of the International LRIT Data Exchange (IDE), the LRIT Data Distribution Plan (DDP) server and LRIT Data Centres (DCs), as listed in the DDP. LRIT operators were also encouraged to disseminate this invitation further to their colleagues and contacts within their organizations, as appropriate. The meeting was attended by representatives of the DDP server, the IDE and 54 DCs.

Outcomes of the meeting

4 LRIT operators held lengthy discussions on a number of technical issues and made relevant recommendations to improve the overall functioning of the LRIT system. A summary of recommendations is provided in the annex, including proposed amendments to MSC.1/Circ.1259/Rev.5 and MSC.1/Circ.1294/Rev.3 on *LRIT Technical documentation*, parts I and II, respectively, MSC.1/Circ.1376/Rev.1 on *Continuity of service plan for the LRIT system* and MSC.1/Circ.1412 on *Principles and guidelines relating to the review and audit of the performance of LRIT data centres and of the international LRIT data exchange*, as provided in the following paragraphs.

Notification, reporting and recording of temporary suspensions of operations or reduction of the service provided

5 The group considered technical issues related to the notification, reporting and recording of temporary suspensions of operations or reduction of the service provided by LRIT components, and prepared, for consideration, draft amendments to MSC.1/Circ.1294/Rev.3 and MSC.1/Circ.1376/Rev.1, as set out in annex 3 to the annex, related to:

- .1 the requirement to communicate information to the other LRIT components through the IDE Administrative web interface only;
- .2 the elimination of the requirement for reporting and monthly recording of temporary suspensions of operations or reduction of the service provided (requirement for notification remains unchanged);
- .3 the elimination of the requirement to send notifications to the designated national points of contact for LRIT-related matters, but keeping the requirement for informing the persons in charge of the DDP server, the IDE, all DCs and the LRIT Coordinator; and
- .4 allowing DC operators to post notifications on behalf of a group of DCs operated by the same DC operator.

Provision of LRIT information to/from non-metropolitan territories and special administrative regions

6 The group exchanged views about adding a new section within MSC.1/Circ.1259/Rev.5 to deal with provision of LRIT information to/from non-metropolitan territories and special administrative regions as suggested by COMSAR 17. However, due to the complexity of the issue and the involvement of policy related issues, the group limited its considerations on the issue to an editorial mistake related to the provision of LRIT information to/from non-metropolitan territories and special administrative regions and prepared, for consideration, draft amendments to MSC.1/Circ.1259/Rev.5, as set out in annex 4 to the annex.

Overlapping of Custom coastal area polygons

7 In order to unify interpretations related to the processing of Custom coastal area polygons, the group prepared, for consideration, draft amendments to MSC.1/Circ.1259/Rev.5, as set out in annex 5 to the annex, allowing the overlapping of Custom coastal area polygons within each set of polygons.

Provision of LRIT information in response to a SAR SURPIC request

8 The group prepared, for consideration, draft amendments to MSC.1/Circ.1259/Rev.5, as set out in annex 6 to the annex, clarifying the provision of LRIT information in response to a SAR SURPIC request, in line with the guidance provided in MSC.1/Circ.1338 on Guidance to search and rescue services in relation to requesting and receiving LRIT information.

9 The proposed amendments to MSC.1/Circ.1259/Rev.5, MSC.1/Circ.1294/Rev.3 and MSC.1/Circ.1376/Rev.1, as described in paragraphs 5 to 8 above, are technical recommendations to clarify processing issues and improve the overall functioning of the LRIT system. If accepted, none of the above proposed amendments will require additional testing for DCs, the IDE or the DDP server.

Submission of summary audit reports

10 In order to simplify the way summary audit reports are currently being made available to the Organization, the group prepared, for consideration, a draft amendment to MSC.1/Circ.1412, as set out in annex 7 to the annex.

11 The aim of the above proposed amendment is to update references to the NCSR Sub-Committee and to allow the LRIT Coordinator and the Secretariat to establish the most appropriate mechanisms for making available the summary audit reports and the list of DCs audited through the web interface of the DDP.

Proposals to promote wider and more efficient use of the coastal State standing orders

12 Recalling that COMSAR 16 had recognized the lack of active coastal State standing orders in the DDP at that time and invited proposals from member States to promote wider and more efficient use of the coastal State standing orders, the group recommended giving consideration to the following two proposals:

- .1 allowing coastal States to set the reporting rate for the provision of LRIT information in the context of coastal State standing orders in the DDP and to perform filtering based on the flag and type of ships it does not (or does) wish to track; and
- .2 expanding the use of the existing SAR SURPIC request message also to coastal States in order to allow coastal States to send a one-time request message for the provision of LRIT information about ships navigating within a pre-defined circular or rectangular area and to perform filtering based on the flag and type of ships it does not (or does) wish to track.

13 The above proposals aim to give SOLAS Contracting Governments more control and flexibility over the amount of LRIT information they may wish to receive from other LRIT Data Centres. These proposals would help SOLAS Contracting Governments to reduce their exposure to the heavy financial consequences especially after activating their coastal State

standing orders and thus, are expected to lead to a more frequent and wider use of coastal State standing orders in the system.

14 In this respect, preliminary draft amendments to resolution MSC.263(84) on *Revised performance standards and functional requirements for the long range identification and tracking of ships* and MSC.1/Circ.1259/Rev.5 are contained in annex 8 to the annex, for consideration.

15 If agreed, the above proposed amendments will require further detailed consideration, including development of consequential amendments for the LRIT XML schemas and development of additional test cases for DCs, the IDE and the DDP server.

Other relevant recommendations

16 Other relevant recommendations from the outcome of the meeting include:

- .1 to encourage SOLAS Contracting Governments to keep the contact information of the persons in charge of the operation of their DCs up-to-date in the DDP;
- .2 to complement Receipt Messages (with Receipt Code 5 – ship not responding), which are sent in response to a poll or frequency change request, with standard text to provide information to the requesting SOLAS Contracting Government on the date/time of the last LRIT information received from the ship concerned;
- .3 to encourage Administrations to consider the use of dedicated shipborne terminals for LRIT reporting in order to avoid certain technical issues that are known to be affecting the performance of LRIT shipborne terminals;
- .4 to invite the Secretariat to consider the need for circulating revised versions of COMSAR.1/Circ.54/Rev.1 in the light of the proposal to make available the list of audits completed through the web interface of the DDP; and
- .5 to note the technical capability and real potential of the existing LRIT shore-based infrastructure which could be expanded in the future to facilitate the exchange of additional ship-related information between Administrations to enhance maritime security, safety and the protection of the marine environment.

Action requested of the Sub-Committee

17 The Sub-Committee is invited to note the information contained in this document and in particular to:

- .1 agree to the proposed amendments to MSC.1/Circ.1259/Rev.5, MSC.1/Circ.1294/Rev.3 and MSC.1/Circ.1376/Rev.1 concerning to notification, reporting and recording of temporary suspensions of operations or reduction of the level of service provided, the provision of LRIT information to/from non-metropolitan territories and special administrative regions, the overlapping of Custom coastal area polygons and the provision of LRIT information in response to a SAR SURPIC request, and forward them to the Committee for approval (paragraphs 5 to 9, and annexes 3 to 6 to the annex);

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- .2 agree to the proposed amendments to MSC.1/Circ.1412 concerning to the arrangements for making available summary audit reports of DCs and the IDE, and forward them to the Committee for approval (paragraphs 10 and 11, and annex 7 to the annex); and
 - .3 consider the following proposals aiming at promoting a wider use of the LRIT system by coastal States:
 - .1 allowing coastal States to set the reporting rate for the provision of LRIT information in the context of coastal State standing orders in the DDP and perform filtering based on the flag and type of ships it does not (or does) wish to track;
 - .2 expanding the use of the existing SAR SURPIC request message also to coastal States in order to allow coastal States to send a one-time request message for the provision of LRIT information about ships navigating within a pre-defined circular or rectangular area and to perform filtering based on the flag and type of ships it does not (or does) wish to track,

and decide as appropriate (paragraphs 12 to 15, and annex 8 to the annex);
 - .4 encourage SOLAS Contracting Governments to keep the contact information of the persons in charge of the operation of their DCs up-to-date in the DDP (paragraph 16.1);
 - .5 agree to complement Receipt Messages (with Receipt Code 5 – ship not responding), which are sent in response to a poll or frequency change request, with standard text to provide information to the requesting SOLAS Contracting Government on the date/time of the last LRIT information received from the ship concerned (paragraph 16.2);
 - .6 encourage Administrations to consider the use of dedicated shipborne terminals for LRIT reporting in order to avoid certain technical issues that are known to be affecting the performance of LRIT shipborne terminals (paragraph 16.3);
 - .7 invite the Secretariat to consider the need for circulating revised versions of COMSAR.1/Circ.54/Rev.1 in the light of the proposal to make available the list of audits completed through the web interface of the DDP (paragraph 16.4); and
 - .8 note the technical capability and real potential of the existing LRIT shore-based infrastructure, which could be expanded in the future to facilitate the exchange of additional ship-related information between Administrations to enhance maritime security, safety and the protection of the marine environment (paragraph 16.5).

ANNEX

SECOND SESSION OF THE IMSO LRIT OPERATORS MEETING 3 to 5 March 2014

1. The second meeting of LRIT Operators was held, at IMO Headquarters, from 3 to 5 March 2014. The IMSO Deputy Director General, Mr Andy Fuller, chaired the meeting.
2. The Agenda and list of participants are attached at annexes 1 and 2, respectively, to this Report.
3. The IMSO Director General, Captain Esteban Pacha, welcomed all participants. He thanked all those who had made contributions. He also thanked IMO for providing conference facilities for the meeting free of charge.
4. The meeting provided an opportunity for LRIT operators to exchange views and discuss their experiences of implementing and operating the LRIT system. Wide-ranging technical issues concerning the operation, maintenance and improvement of the LRIT system were discussed at the meeting.
5. The outcome of this meeting will be presented to IMO Member States at the forthcoming session of NCSR with a request for taking actions as appropriate.
6. The meeting received presentations from:
 - Mr John Erik Hagen, Coordinator of the IMO Correspondence Group on e-navigation, on use of LRIT shore infrastructure for dissemination of enhanced search and rescue information within e-navigation;
 - the operator of the European Union Cooperative LRIT Data Centre (EU CDC) on a proposal to establish a web service between data centres and the data distribution plan server for the uploading and validation of polygons in the DDP server;
 - the operator of the International LRIT Data Exchange (IDE) on the status of the IDE in the production environment during 2013; and
 - IMSO as the LRIT Coordinator on processing the sample audit data.
7. Recognizing that the meeting did not have authority to take any decisions relating to items under the purview of IMO, LRIT operators discussed and agreed that the following items should be brought to the attention of IMO Member States for their further consideration or actions as appropriate:
 - a. LRIT operators are encouraged to contact each other directly to resolve any technical issues they may experience through the normal course of operation. For this purpose, all operators are requested to keep the contact information for their Data Centres in the DDP up to date at all times. Operators are also encouraged to keep the LRIT Coordinator informed of these exchanges as appropriate.

- b. Receipt Messages with Receipt Code 5 (ship not responding) that are sent in response to a poll or frequency change request should be complemented with standard texts that would provide the requesting Contracting Government information on the date/time of the last received LRIT information from the ship concerned.
- c. In relation to the performance of shipborne terminals being used for LRIT reporting, LRIT operators recommended the use of Inmarsat terminals that only support MORP (Multiple Ocean Region Polling) functionality and advised against the use of the older generation Inmarsat-C terminals which may fail to perform some LRIT functions. The use of dedicated shipborne terminals for LRIT reporting is strongly recommended in order to avoid certain technical issues that are known to be affecting the performance of terminals (annexes 1 and 2 of document 4 are available on IMSO website).
- d. MSC.1/Circ.1294 annex 2 (Procedures for the notification, reporting and recording of temporary suspension of operations, or reduction of the service provided) should be amended to simplify the implementation of the procedures and to ease the administrative work on the LRIT operators. A list of proposed amendments to the procedures, including allowing Data Centre operators to post notifications on behalf of more than one Data Centre, is provided in annex 3.
- e. Paragraphs 2.3.4.1 and 2.3.4.2 in annex 3 of MSC.1/Circ.1295/Rev.5 contained some typographical errors that make both paragraphs inconsistent with the provisions of Regulation 19-1. They concern the provision of LRIT information to/from non-metropolitan territories and special administrative regions associated with a Contracting Government. The proposed amendments are provided in annex 4.
- f. Paragraph 5.3 in annex 4 of MSC.1/Circ.1295/Rev.5 should be amended to allow overlapping Custom Coastal Area polygons (within each set of polygons) in the DDP. It is noted that this change would neither create a difference in the implementation of LRIT Data Centres nor require additional testing. The proposed amendments are provided in annex 5.
- g. Paragraph 2.2.4.9 in annex 3 of MSC.1/Circ.1259/Rev.5 should be amended to improve the text and to clarify the processing of SAR SURPIC request message. The existing text in the paragraph is reported to have caused different interpretations of the requirements at some Data Centres. The proposed amendments are provided in annex 6.
- h. MSC.1/Circ.1412 (Principles and guidelines) should be amended to make summary audit reports and the list of completed audits (COMSAR.1/Circ.54/Rev.1) available on the DDP website. The IMO Secretariat confirmed that the DDP web interface can facilitate this proposal without incurring additional cost and burden on the Member States and the Secretariat respectively. The proposed amendments are provided in annex 7.
- i. A better and wider use of the LRIT system could be achieved through expansion of the existing functionality in the LRIT system. For this purpose, a series of changes including addition of a new parameter (ship type) to the standard LRIT position report message format, reconfiguring the functionality of coastal State standing orders and expanding the use of

SAR SURPIC request message for Coastal purposes were considered and accepted in principle by LRIT operators. It is noted that these proposed changes will require additional testing therefore would need to be included in the next modification testing. The proposed amendments to resolution MSC.263(84) (*Revised performance standards*) and MSC.1/Circ.1259/Rev.5 are provided in annex 8.

- j. The existing LRIT shore-based infrastructure could be expanded to facilitate the exchange of additional ship-related information between Administrations to enhance maritime security, safety and the protection of the marine environment. A recent test proved that the shore-based LRIT infrastructure has the technical capability and real potential to exchange this kind of information between different users. In the test, additional ship information, including a picture of the ship, was successfully added to the LRIT position reports sent from Norway to Chile.

8. The meeting noted that the IMSO Directorate will submit these recommendations to the first session of NCSR for action as appropriate.

ANNEX 1

Agenda

1 **Financial matters**

1. DC operators are invited to provide information on the status of their Contractual arrangements with other DCs; and
2. DC operators are encouraged to share their experience on billing and payment, and on any financial disputes they may have.

2 **Technical and Operational issues**

1. Performance of shipborne terminals and ways of improving it;
2. Implementation of the provisions of MSC.1/Circ.1294 annex 2 (Procedures for the notification, reporting and recording of temporary suspension of operations, or reduction of the service provided);
 - i. Preparing incident reports and monthly recording of incidents;
 - ii. Allowing recognised ASPs to publish advisory notifications;
 - iii. Need for publishing notifications in case of a DC rejecting all polygons of a Contracting Government due to their technical non-compliance; and
 - iv. Need for the IDE to publish notification when it cannot send messages to a particular DC due to communication problems at the receiving end.
3. Recalling issues left for the next modification testing;
4. Need for testing Disaster Recovery sites of DCs in the production environment; and
5. Proper use of System status message and the "*SystemStatus*" parameter in particular.

3 **LRIT-related Documentation**

1. MSC.1/Circ.1295/Rev.5 – Technical Specifications
 - i. Preparation of a new section for Special Administrative Regions and non-metropolitan territories.
 - ii. Overlapping polygons within the same set of polygons (i.e: Custom Coastal Areas).
2. Revised performance standards
 - i. Reviewing section 13 (LRIT system performance).

3. Preparation of guidance for Coastal and Port States on the use of the LRIT system.

4 Audit issues

1. Recalling most common audit findings;
2. GIS issues and tolerance settings for audit purposes;
3. handling and processing of Position request messages;
4. publishing "List of audited DCs" on the DDP web interface;
5. making copies of Summary audit reports available on the DDP web interface;
6. actions to be taken with respect to DCs not being audited or with major non-conformities: assessing the risks for the overall functioning of the LRIT system;
7. calculation method of *availability*; and
8. invoicing and payment related issues.

5 Presentations

6 Any other Business

1. Promoting better and wider use of the LRIT system through expansion of the existing functionality:
 - i) adding new parameters (i.e. ship type) to the existing LRIT position report message format;
 - ii) reconfiguring the coastal-State-standing-order functionality to allow filtering between different ship types and flags; and
 - iii) adding new message types (i.e. SAR SURPIC-like coastal State request) message to the existing list of LRIT messages.
2. Development of new auditing methods

ANNEX 2

List of Participants

The meeting was attended by representatives from the following LRIT components:

DDP Server (IMO)

IDE (EMSA)

LRIT Data Centres of:

ALGERIA
ARGENTINA
BRAZIL
CAMBODIA
CHILE
CHINA
INDONESIA
LIBERIA
EUROPEAN UNION

MALAYSIA
MARSHALL ISLANDS
MOROCCO
NIGERIA
PHILIPPINES
RUSSIAN FEDERATION
TURKEY
VENEZUELA
VIETNAM

Application Service Providers of:

Collecte Localisation Satellite (providing services to 6 DCs)

Fulcrum Maritime Systems Ltd (providing services to 12 DCs)

Kemilinks International Pte Ltd (providing services to 2 DCs)

Pole Star Applications Limited (providing services to 27 DCs)

ANNEX 3

Proposed amendments

Concerning elimination the requirement for reporting and recording of temporary suspensions of operations or reduction of the service provided, and allowing Data Centre operators to post notifications on behalf of more than one Data Centre

Amendments to the

**Procedures for the notification, reporting and recording of temporary suspensions of operations or reduction of the service provided
(MSC.1/Circ.1294/Rev.3, annex, annex 2)**

and

**The Continuity of service plan for the LRIT system
(MSC.1/Circ.1376/Rev.1)**

MSC.1/Circ.1294/Rev.3, annex, annex 2

1 *Paragraph 1.3 should be replaced by the following text:*

~~"The communication of information should be done by e-mail using the designated points of contact provided in the LRIT Data Distribution Plan (DDP)"~~

"The information should be communicated to the other components by email through the IDE Administrative web interface."

2 *The following new paragraph should be added after paragraph 1.3:*

"1.4 The information should be communicated to the persons in charge of the operation of the IDE, the DDP Server, all DCs, and the LRIT Coordinator, as listed in the DDP."

3 *Paragraph 2.2 should be amended as follows:*

"2.2 The DC concerned, the IDE and the DDP server should publish an advisory notice to be posted ~~in the case of:~~ on the IDE Administrative web interface

~~.1 the IDE and the DDP server on the IDE Administrative web interface and the DDP, respectively;~~

~~.2 a DC on its web interfaces, if such an interface exists and is accessible by the other components of the LRIT system and the LRIT Coordinator or if the DC concerned does not have such interface it should consult with the IDE and or the DDP server with a view to posting the report on the IDE Administrative web interface and/or the DDP,~~

providing the information specified in paragraphs 2.1 and 2.1.1, and should update the notice as and when changes occur."

4 *Paragraph 3.3 should be amended as follows:*

"3.3 If the circumstances allow so and subject to the duration of the period during which the DC concerned, the IDE or the DDP server would need to continue any temporary suspension of operations or reduction of the level of service or to temporarily suspend its operations or reduce the level of service in order to address the situation which has been, or is being, encountered, the DC concerned, the IDE and the DDP server should publish an advisory notice to be posted ~~in the case of:~~ on the IDE Administrative web interface

~~.1 the IDE and the DDP server on the IDE Administrative web interface and the DDP, respectively; and~~

~~.2 the DC concerned on its web interfaces, if such an interface existing and is accessible by the other components of the LRIT system and the LRIT Coordinator or if the DC concerned does not have such interface it should consult with the IDE and or the DDP server with a view to posting such advisory notice on the IDE Administrative web interface and/or the DDP,~~

providing the relevant information, and should update such notices as and when developments occur."

5 *Section 5 (Monthly recording of temporary suspension of operations and reduction of level of service) should be deleted.*

6 *Appendix 1 (Report on temporary suspension of operations or reduction of level of service) should be deleted.*

7 *Appendix 2 (Monthly records of temporary suspension of operations or reduction of the level of service) should be deleted.*

MSC.1/Circ.1376/Rev.1

8 *Paragraph 3.3 and 3.4 should be amended as follows:*

"3.3 Access to the IDE administrative interface should be provided to the persons in charge of the operation of ~~the designated points of contact for LRIT-related matters~~ the IDE, the DDP Server, all DCs, and the LRIT Coordinator, as listed in the DDP."

"3.4 Whenever a new advisory notice is published, updated or removed, the IDE should automatically advise ~~all designated points of contact for LRIT-related matters~~ the persons in charge of the operation of the IDE, the DDP Server, all DCs, and the LRIT Coordinator, as listed in the DDP."

9 *The existing subparagraph .4 listed under paragraph 3.5 should be deleted.*

~~".4 complete a report on temporary suspension of operations or reduction of level of service available on the IDE Administrative interface no later than thirty (30) days after the occurrence."~~

10 *Figure 1 should be amended as follows:*

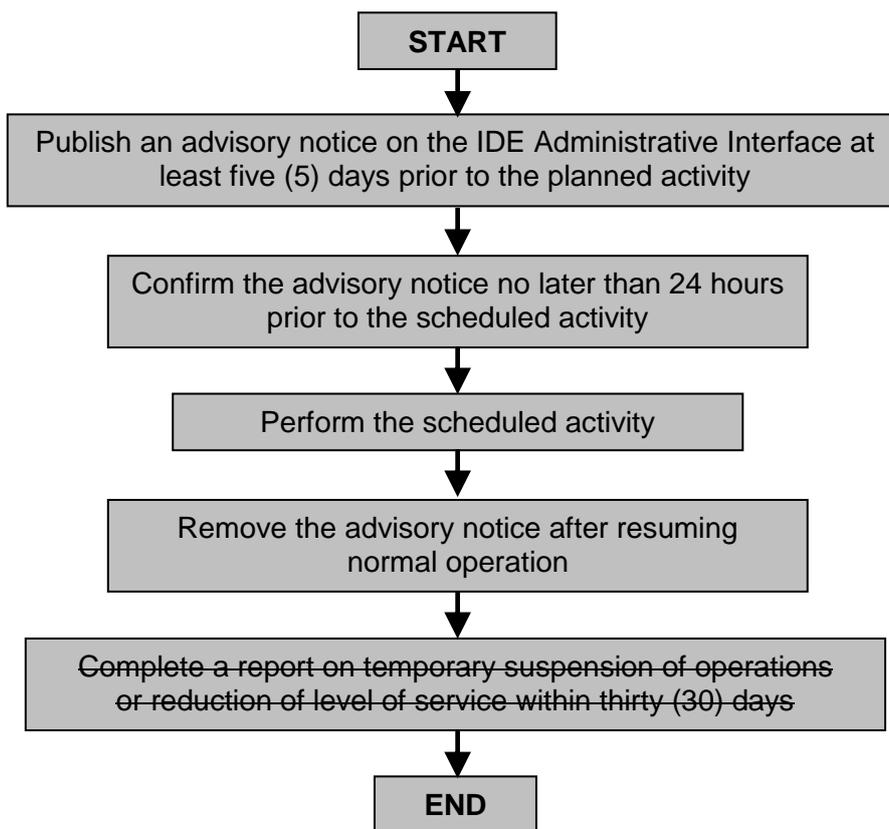


Figure 1 – Planned downtime notification flow chart

11 *The following text is added after paragraph 3.6:*

"If the circumstances warrant, an advisory notice can be published for a group of DCs provided the person submitting the notification is authorized to do so, as provided in the DDP."

12 *The existing subparagraph .4 listed under paragraph 3.9 should be deleted.*

~~".4 — complete a report on temporary suspension of operations or reduction of level of service available on the IDE Administrative interface no later than thirty (30) days after the occurrence."~~

13 *Figure 2 should be amended as follows:*

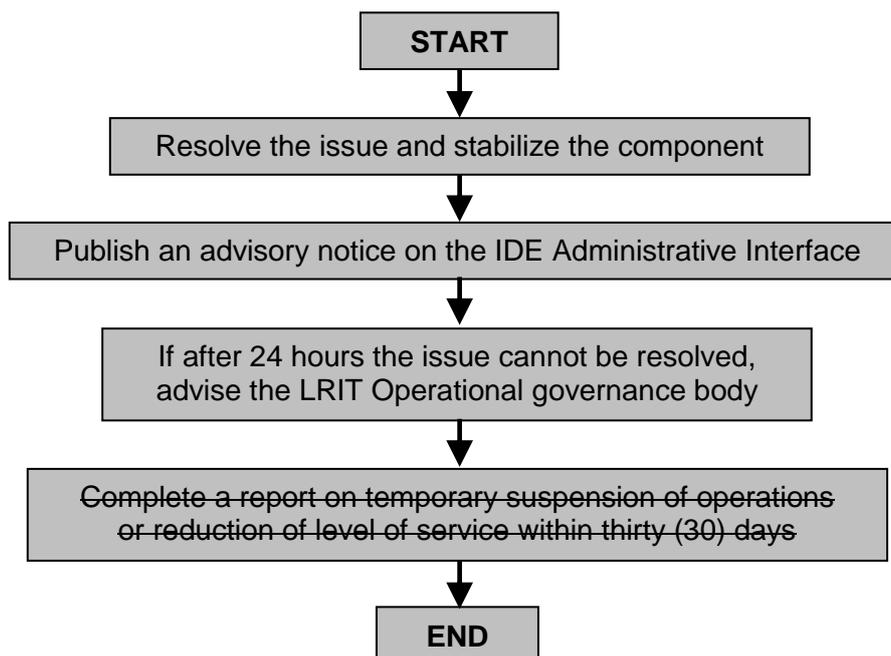


Figure 2 – Unforeseen events notification flow chart

14 *Paragraph 3.14 should be amended as follows:*

"If the IDE does not receive eight (8) consecutive *System status* messages from a specific DC or the DDP server, or if the IDE cannot successfully send eight (8) consecutive *System status* messages to a specific DC or the DDP server due to problem at the receiving end, and there has been no scheduled or unscheduled notification or advisory notice posted onto the IDE Administrative interface by the DC concerned or the DDP server, then the IDE operator should post an advisory notice to the IDE Administrative interface and follow the procedures specified in paragraph 3.12 above. Upon notification, the DC concerned or the DDP server should follow the procedures specified in paragraph 3.9 above."

ANNEX 4

**Proposed amendments
Concerning provision of LRIT information to/from
non-metropolitan territories and special administrative regions**

**Amendments to the
Technical specifications for communications within the LRIT system
(MSC.1/Circ.1259/Rev.5, annex, annex 3)**

1 *The existing subparagraph .3 listed under paragraph 2.3.4.1 should be amended as follows:*

".3 verify that the ship is not located in the territorial sea of the Contracting Government (including non-metropolitan territories or special administrative regions listed in the DDP under the ~~requesting~~ providing Contracting Government) whose flag the ship is entitled to fly by checking the territorial seas polygon in the DDP."

2 *The existing subparagraph .4 listed under paragraph 2.3.4.2 should be amended as follows:*

".4 verify that the ship is not located in the territorial sea of the Contracting Government (including non-metropolitan territories or special administrative regions listed in the DDP under the ~~requesting~~ providing Contracting Government) whose flag the ship is entitled to fly by checking the territorial seas polygon in the DDP."

ANNEX 5

**Proposed amendments
Concerning the constraints on Custom Coastal Area polygons**

**Amendments to the
Technical specifications for the LRIT Data Distribution Plan
(MSC.1/Circ.1259/Rev.5, annex, annex 4)**

1 *Paragraph 5.3 should be amended as follows:*

"All polygons within each set of *InternalWaters*, *TerritorialSeas*, and SeawardAreaOf1000NM and ~~*CustomCoastalAreas*~~ should be *disjoint* (i.e. no overlap between polygons within each set). The *CustomCoastalArea* polygons defined by any single Contracting Government may overlap within each set."

ANNEX 6

**Proposed amendments
Concerning provision of LRIT information in the context of
SAR SURPIC request message**

**Amendments to the
Technical specifications for communications within the LRIT system
(MSC.1/Circ.1259/Rev.5, annex, annex 3)**

- 1 *Paragraph 2.2.4.9 should be amended as follows:*

"The *NumberOfPositions* parameter defines how many of the most recent position reports received by a DC during the past 24 h from ships within the requested geographical area are being requested by the SAR service. The number of positions must be from 1 to 4. Once a DC has received a SAR SURPIC request message, it should check ~~the last~~ all position reports it has on every ship registered to that DC. If the timestamps associated with ~~that~~ these position reports ~~is~~ are within the past 24 h and the position reports ~~is~~ are within the geographical area established by the SAR SURPIC message, then the DC should send the last N position reports associated with the ship that are within the past 24-h window and in the geographical area. Thus all the position reports that are sent to the requesting DC should have timestamps that are within the past 24-h window as well as location coordinates that are within the geographical area."

ANNEX 7

**Proposed amendments
Concerning submission of summary audit reports to the Committee through the
NCSR Sub-Committee
and making available the list of completed audits on the DDP website**

**Amendments to the
Principles and guidelines relating to the review and audit of the performance of LRIT
data centres and of the international LRIT data exchange
(MSC.1/Circ.1412)**

1 *The existing subparagraph .8 listed under paragraph 9.2 should be amended as follows:*

".8 ~~submit a summary report of the audit~~ make available copies of the completed summary audit reports to the ~~COMSAR~~ NCSR Sub-Committee for consideration."

2 *Paragraph 15.1, including subparagraphs .1 and .2, should be amended as follows:*

"15.1 For each of DCs and for the IDE, the LRIT Coordinator should ~~submit~~:

.1 submit to the Secretary-General a detailed audit report which should provide a complete, accurate, concise and clear record of the audit and should include or refer to the following: the audit objectives, the audit scope, particularly identification of the unit or processes audited and the time period covered; a list of the auditee representative(s); the dates when the audit activities were conducted; the audit criteria; the audit findings; the audit conclusions; and any statement of a confidential nature; and

.2 make available to the Committee, through the ~~COMSAR~~ NCSR Sub-Committee, a summary audit report which should include or refer to the following: the audit findings, including information on non-conformities and their status; the audit conclusions; any uncertainties and/or obstacles encountered that could decrease the reliability of the audit conclusions; any areas not covered although within the scope of the audit; any unresolved diverging opinions between the LRIT Coordinator and the auditee; recommendations for improvement, if any; and agreed follow-up action plans, if any."

3 *Paragraph 15.2 should be amended as follows:*

"The LRIT Coordinator should, prior to submitting the detailed audit reports to the Secretary-General and making the summary audit reports available to the ~~COMSAR~~ NCSR Sub-Committee, forward these, no later than one month after the completion of the audit, to the auditee for its perusal and comments, if any."

4 *Paragraphs 15.6 and 15.7 should be amended as follows:*

"15.6 The LRIT Coordinator should ~~submit~~ make the summary audit reports available to the ~~COMSAR~~ NCSR Sub-Committee in accordance with ~~the Guidelines~~

on the organization and method of work of the MSC and MEPC and their subsidiary bodies (MSC-MEPC.1/Circ.4) arrangements to be agreed between the Organization and the LRIT Coordinator. The LRIT Coordinator should also provide information at each session of the Sub-Committee taking into account, in accordance with the Guidelines on the organization and method of work of the MSC and MEPC and their subsidiary bodies (MSC-MEPC.1/Circ.4) in particular, the normal deadline for submissions of bulky documents on the audits that have been completed since the previous session of the Sub-Committee.

15.7 The summary audit reports should not be translated in the three working languages of the Organization and should be made available ~~circulated~~ as documents containing information in the English language only."

5 *Paragraph 15.9 should be amended as follows:*

"The Secretary-General should make available to the Committee or the ~~COMSAR~~ NCSR Sub-Committee the detailed audit reports, if requested. In such cases, the detailed audit reports should not be translated in the three working languages of the Organization and should be made available as documents containing information in the English language only."

6 *Paragraph 16.1 should be amended as follows:*

"The LRIT Coordinator should report to each session of the ~~COMSAR~~ NCSR Sub-Committee on the review and audit of the performance of DCs and/or of the IDE which had been conducted and completed since the previous session of the Sub-Committee."

7 *Paragraph 16.6 and 16.7 should be amended as follows:*

"16.6 A DC may request the LRIT Coordinator to review and audit its performance on any date within three months before or after the anniversary date referred to in paragraph 16.3 or 16.4, provided the first audit is not held more than 15 months after the date referred to in paragraph 16.3. If the audit, upon request of the DC and subject to acceptance of the LRIT Coordinator, is carried out more than three months before the anniversary date, the new audit date should be considered thereafter as being the new anniversary date. The LRIT Coordinator should provide to the ~~COMSAR~~ NCSR Sub-Committee information to this end as appropriate.

16.7 If the first audit of a DC cannot be carried out within 15 months after the date referred to in paragraph 16.3 or 16.4, or if the period between two consecutive audits exceeds 15 months, the DC concerned should remain liable to complete that audit at the earliest opportunity. This liability should accumulate until all outstanding annual audits have been completed. The LRIT Coordinator should provide to the ~~COMSAR~~ NCSR Sub-Committee information to this end, as appropriate. The audit will additionally report on the reason(s) that led the DC to be audited after the maximum 15-month period, and will recommend that the DC concerned takes all necessary measures to avoid the need to conduct further audits in the future which exceed the maximum 15-month period."

ANNEX 8

Proposed amendments

Concerning improvement of the existing LRIT functionalities by adding ship-type parameter to the standard LRIT position report message format, reconfiguring the functionality of coastal State standing orders and expanding the use of SAR SURPIC request message for Coastal purposes

**Amendments to the
Revised performance standards and functional requirements for the long-range identification and tracking of ships
Resolution MSC.263(84)**

and

**Technical documentation (Part I)
(MSC.1/Circ.1259/Rev.5, annex 1, annex 3 and annex 4)**

(The proposed amendments listed below are preliminary and will require further detailed consideration, including development of consequential amendment for the LRIT XML Schemas and for the additional test cases for LRIT Data Centres)

Resolution MSC.263(84)

1 *In table 2 (Data to be added by an Application Service Provider and at the LRIT Data Centre), a new row should be added after the third row from the top as follows:*

Parameters	Comments
Ship Identity ⁽¹⁾	The IMO ship identification number ⁽¹⁾ and MMSI for the ship.
Name of ship	Name of the ship which has transmitted the LRIT information in the English language using latin-1 alphabet and UTF-8 encoding.
<u>"Type of ship"</u>	<u>"Type of the ship which has transmitted the LRIT information in the English language using latin-1 alphabet and UTF-8 encoding".</u>
Time Stamp 2	The date and time ⁽²⁾ the transmission of LRIT information is received by the ASP (if used).
Time Stamp 3	The date and time ⁽²⁾ the received LRIT information is forwarded from the ASP (if used) to the appropriate LRIT Data Centre.
LRIT Data Centre Identifier	The identity of the LRIT Data Centre to be clearly indicated by a Unique Identifier.
Time Stamp 4	The date and time ⁽²⁾ the LRIT information is received by the LRIT Data Centre.
Time Stamp 5	The date and time ⁽²⁾ the transmission of LRIT information is forwarded from the LRIT Data Centre to an LRIT Data User.

MSC.1/Circ.1259/Rev.5, annex

2 *The following new subparagraph should be added under paragraph 1.2.4.1 after subparagraph 21:*

".22 Coastal SURPIC Coastal State Surface Picture"

3 *Under paragraph 1.2.4.1, the existing subparagraphs .22 to .28 should be renumbered as subparagraphs .23 to .29, respectively.*

MSC.1/Circ.1259/Rev.5, annex, annex 1

4 *In table 1 (Summary of LRIT messages), the row for "SAR SURPIC request" should be amended as follows:*

6	SAR SURPIC request	<u>Coastal</u> / SAR request for position of ships in a specific area, broadcast via the IDE to all DCs	DC1	IDE	Yes
			IDE	DCx	

5 *Paragraph 3.3.2.3 should be amended as follows:*

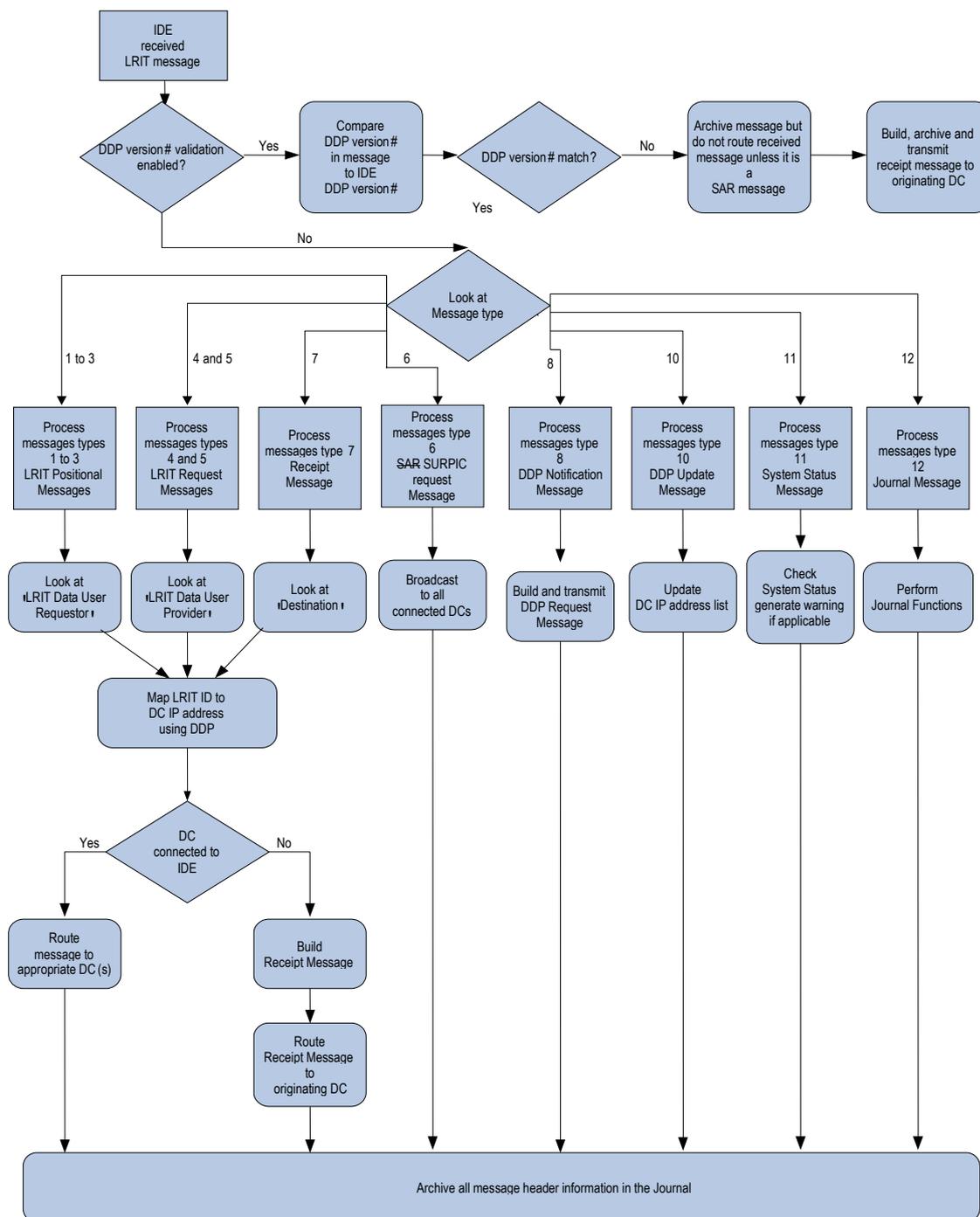
"SAR messages (Message types 3, 5, 6 (access type 6 only), and 7 where *ReceiptCode* = 1 (no ship in SAR SURPIC area)) regardless of the DDP version used, should always be routed."

6 *The existing subparagraph .3 listed under paragraph 3.3.4.1 should be amended as follows:*

".3 routing the LRIT message to the appropriate DC or to all DCs in the case of broadcast messages (i.e. ~~SAR~~ SURPIC request message);"

7 Figure 2 should be amended as follows:

IDE message handling and processing for received LRIT messages



MSC.1/Circ.1259/Rev.5 Annex 3

8 In table 1 (Summary of LRIT messages), the last row should be amended as follows:

6	SAR SURPIC request	Request by a <u>Contracting Government</u> or a SAR service for the provision of the most recent position reports already in a DC's database, within a specific geographical area.
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9 The following new paragraph should be added after paragraph 2.2.2.19:

"2.2.2.20 The *ShipType* parameter is the type of the ship transmitting the LRIT information. Generic ship types are defined in chapter I of the SOLAS Convention."

(ship types defined in Chapter I of the SOLAS Convention are "*passenger ship*", "*cargo ship*", "*tanker*", "*fishing vessel*" and "*nuclear ship*") (NAV Circ.227 on guidelines for the installation of AIS also has a list of ship types defined in annex 2)

10 The existing paragraphs 2.2.2.20 to 2.2.2.23 should be renumbered as paragraphs 2.2.2.21 to 2.2.2.24, respectively.

11 In table 2 (Summary of LRIT position report messages (Messages 1, 2 and 3)), a new row should be added after the "ShipName" row in the second column from the left as follows:

	<u>ShipType</u>	<u>Ship type</u>	<u>type of the ship transmitting the LRIT information</u>	<u>D, C</u>	<u>Text</u>
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12 The chapeau of section 2.2.4 should be amended as follows:

"2.2.4 SAR SURPIC request message (Message 6)"

13 Paragraph 2.2.4.1 to 2.2.4.4 should be amended as follows:

2.2.4.1 Table 4 outlines the parameters associated with the SAR SURPIC request message.

2.2.4.2 NDCs and R/CDCs should format the SAR SURPIC message as specified in table 4 before transmitting it to the IDE. The LRIT Data User to NDC or R/CDC communication path may transmit SAR SURPIC messages amongst themselves in any format that they choose.

2.2.4.3 The LRIT Data User to IDC to IDE communication path should transmit SAR SURPIC messages in a processed format as specified in table 4.

2.2.4.4 This message requests the most recent LRIT information from the databases within the DCs. It is intended to provide Contracting Governments or SAR services with the ability to obtain a picture of the ships in a given geographical area where search and rescue operations are to be conducted. The requesting LRIT Data User may also customise its request by identifying the names of specific Contracting Governments and ship types it does not (or does) wish to track."

- 14 *The following new paragraphs should be added after paragraph 2.2.4.6:*

"2.2.4.7 The *AccessType* parameter indicates the requesting LRIT Data User's entitlement to receive the LRIT information. The LRIT Data User might be requesting the LRIT information as a flag State or SAR service."

2.2.4.8 The *DataUserProvider* parameter is the LRIT IDs of the LRIT Data Users (i.e. the Administration) associated with the ships to be tracked. If the Data User provider is not populated, it will default to LRIT IDs of all Contracting Governments."

- 15 *The existing paragraphs 2.2.4.7 and 2.2.4.8 should be renumbered as paragraphs 2.2.4.9 to 2.2.4.10, respectively, and should be amended as follows:*

~~2.2.4.7~~9The *SARCircularArea* parameter defines the circular geographical area within which the LRIT Data User ~~SAR service~~ wishes to check for ships. The position of the centre of the circular area should be indicated by the latitude and longitude on the basis of the WGS 84 datum in degrees and minutes with North/South (latitude) and East/West (longitude). The radius of the circular area should be indicated in nautical miles. This parameter is only valid if the parameter is populated and indicates that the LRIT Data User ~~SAR service~~ wishes to perform a search based on a circular area. The radius of the circular search area should not exceed 999 nautical miles. If a processing DC encounters a radius of a circular search that is greater than 999 nautical miles then the processing DC should send a receipt message with receipt code 7 to the requestor.

~~2.2.4.8~~10 The *SARRectangularArea* parameter defines the rectangular geographical area within which the LRIT Data User ~~SAR service~~ wishes to check for ships. The rectangular area should be indicated by the latitude and longitude on the basis of the WGS 84 datum of the southwest corner of the rectangular area in degrees and minutes with North/South (latitude) and East/West (longitude), and the north and east offsets are expressed as: degrees.minutes.North and East from the Southwest corner. This parameter is only valid if the parameter is populated and indicates that the LRIT Data User ~~SAR service~~ wishes to perform a search based on a rectangular area. No side of the rectangular search area should exceed 2000 nautical miles. If a processing DC encounters a side of the rectangular area that is greater than 2000 nautical miles then the processing DC should send a receipt message with receipt code 7 to the requestor."

- 16 *The existing paragraph 2.2.4.8.2 should be renumbered as paragraph 2.2.4.10.2, and should be amended as follows:*

~~2.2.4.8.2~~10.2 If adding the North offset to the latitude of the Southwest corner of the rectangular area results in a latitude of greater than 90 degrees North, then the processing DC should send a Receipt message with a receipt code of 7 to the requestor. In other words, the rectangular search area should not cross the North Pole. In situations where a LRIT Data User ~~SAR service~~ needs to submit a SURPIC that crosses either the North Pole or the South Pole, a circular area should be used."

- 17 *The following new paragraph should be added after the existing paragraph 2.2.4.8.2 (to be renumbered as 2.2.4.10.2):*

"2.2.4.11 The *ShipType* parameter is the type of the ship to be tracked. Generic ship types are defined in chapter I of the SOLAS Convention. If the Ship type is not populated, it will default to all known ship types."

(ship types defined in Chapter I of the SOLAS Convention are "*passenger ship*", "*cargo ship*", "*tanker*", "*fishing vessel*" and "*nuclear ship*")

- 18 *The existing paragraph 2.2.4.9 should be renumbered as paragraph 2.2.4.12, and should be amended as follows:*

"2.2.4.12 The *NumberOfPositions* parameter defines how many of the most recent position reports received by a DC during the past 24 h from ships within the requested geographical area are being requested by the LRIT Data User SAR service. The number of positions must be from 1 to 4. Once a DC has received a SAR SURPIC request message, it should check the last position report it has on every ship registered to that DC. If the timestamp associated with that position report is within the past 24 h and the position report is within the geographical area established by the SAR SURPIC message, then the DC should send the last N position reports associated with the ship that are within the past 24-h window and in the geographical area. Thus all the position reports that are sent to the requesting DC should have timestamps that are within the past 24-h window as well as location co-ordinates that are within the geographical area."

- 19 *The existing paragraph 2.2.4.10 to 2.2.4.14 should be renumbered as paragraphs 2.2.4.13 to 2.2.4.17, respectively.*

- 20 *Table 4 (Summary of SAR SURPIC request (Messages 6)) should be amended as follows:*

Table 4
Summary of SAR SURPIC request
(Message 6)

Parameter provided by	Parameter	Value	Description	LRIT system communication segments (see figure 1)	Processed format (see paragraph 2.2.1.3)
LRIT Data User ¹	MessageType	6	Message type number: 6 – SAR SURPIC request.	C, D	nn
	MessageId	Unique number	Unique message number generated by using: LRIT ID of the LRIT Data User, date and time and unique sequence number.	C, D	nnnnYYYYMMDDHHmmssnn nn
	<u>AccessType</u>	<u>1, 6</u>	<u>This parameter should be set based upon the Data User Requestor's entitlement to receive LRIT information:</u> <u>1 –Coastal</u> <u>6 –SAR.</u>	<u>B, C, D</u>	<u>n</u>
	<u>DataUserProvider</u>	<u>LRIT ID</u>	<u>LRIT ID of the Contracting Government the LRIT information is requested from. If not specified, it defaults to LRIT IDs of all Contracting Government. Parameter is only valid for AccessType "1".</u>	<u>B, C, D</u>	<u>nnnn</u>

Parameter provided by	Parameter	Value	Description	LRIT system communication segments (see figure 1)	Processed format (see paragraph 2.2.1.3)
	SAR CircularArea	Centre:Radius	Centre of the circular area should be indicated by the latitude and longitude on the basis of the WGS 84 datum in degrees and minutes with North/South (latitude) and East/West (longitude). Radius is the radius of the circle in nautical miles.	C, D	nn.nn.c:nnn.nn.c:nnn
	SAR RectangularArea	SouthWest:Offset	The rectangular area should be indicated by the latitude and longitude on the basis of the WGS 84 datum of the southwest corner of the rectangular area in degrees and minutes with North/South (latitude) and East/West (longitude) and the north and east offsets are expressed as: degrees.minutes.North and East from the Southwest corner.	C, D	nn.nn.c:nnn.nn.c:nnn.nn.N:nnn.nn.E
	<u>ShipType</u>	<u>Ship type</u>	<u>Type of the ship to be tracked. If not specified, it defaults to all ship types. Parameter is only valid for <u>AccessType "1"</u>.</u>	<u>D, C</u>	<u>Text</u>
	NumberOfPositions	1, 2 ,3, 4	The number of position reports received from ships within the area during the past 24 h that the <u>LRIT Data User SAR service</u> wishes to receive.	C, D	n
	DataUserRequestor	LRIT ID	LRIT ID of the LRIT Data User originating the request.	C, D	nnnn

Parameter provided by	Parameter	Value	Description	LRIT system communication segments (see figure 1)	Processed format (see paragraph 2.2.1.3)
	TimeStamp	Date and time	Date and time when the LRIT Data User transmits the message to the DC.	C, D	xs:dateTime
DC	DDPVersionNum	Unique number	DDP version number of the DDP used by the DC.	C, D	n ₁ ..n _n :n ₁ ..n _n
	test	0, 1	Setting indicates if the message is a test message or a regular message: 0 – Regular message 1 – Test message.	C, D	n
	schemaVersion	Decimal number	The release number of the XML schema associated with all the LRIT messages.	C, D	n ₁ ...n _n .n ₁ ...n _n

21 *The existing subparagraph .2 listed under paragraph 2.2.5.6 should be amended as follows:*

"2 *ReceiptCode 1 – No ship in SAR SURPIC area should be generated in response to a SAR SURPIC request message (with Access type 6 only) if a DC that is processing a SAR SURPIC request message determines that there are no ships within the geographical area specified in the SAR SURPIC request message;*"

22 *In the table following paragraph 2.2.5.7 (table without title), the third row should be amended as follows:*

6	SAR SURPIC request	LRIT Data User requestor
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23 *Paragraph 2.3.4.1 should be amended and a new subparagraph should be added after subparagraph .3 listed under paragraph 2.3.4.1 as follows:*

"2.3.4.1 All DCs should use the coastal State standing order information contained within the DDP to determine when to start and stop tracking of a ship in the absence of any specific LRIT request message. The standing order includes geographical information of the area the Contracting Government wishes to track. The Contracting Government may also specify additional criteria based on which the LRIT Data Centres will (or not) provide the LRIT information of ships reporting to their Data Centres. The Contracting Government should be able to set the reporting rate for the provision of LRIT information in the context of coastal State standing orders in the DDP, and perform filtering based on the flag and type of ships it does not (or does) wish to track. The providing DC establishes entitlement of an LRIT Data User to receive position reports by performing the following tasks:

- .1 check all coastal State standing orders polygons contained in the DDP to determine if the ship is located within the geographical areas established by the polygon;
- .2 verify that the ship is not located within the internal waters of another Contracting Government (including non-metropolitan territories or special administrative regions listed in the DDP under the requesting Contracting Government) by checking all of the internal waters polygons contained within the DDP; ~~and~~
- .3 verify that the ship is not located in the territorial sea of the Contracting Government (including non-metropolitan territories or special administrative regions listed in the DDP under the requesting Contracting Government) whose flag the ship is entitled to fly by checking the territorial seas polygon in the DDP; and-
- .4 check the DDP to see if the Contracting Government has specified any criteria such as reporting rate, flag or ship type for provision of LRIT information to the Contracting Government."

24 The chapeau of section 2.3.5 should be amended as follows:

"2.3.5 General processing of position request (Message type 4), SAR position request (Message type 5) and SAR SURPIC message (Message type 6)"

25 Paragraph 2.3.5.1 should be amended as follows:

"2.3.5.1 DCs should respond to position request messages (Message type 4), SAR position request messages (Message type 5) and SAR SURPIC messages (Message type 6) with valid LRIT position report messages (Message types 1, 2 and 3) as listed in table 12."

26 Table 11 (Operational scenarios that terminate, suspend or modify a request message) should be amended as follows:

			Position Request Message MT 4			SAR Position Request Message MT 5			SAR SURPIC MT 6		Coastal State Standing Order	
			Access Type			Access Type			Access Type			
			1 <i>Coastal</i>	3-5 <i>Port</i>	6 <i>SAR</i>	1 <i>Coastal</i>	3-5 <i>Port</i>	6 <i>SAR</i>	1 <i>Coastal</i>	6 <i>SAR</i>		
LRIT Position Report Message	MT 1	Response Type	1 Coastal	VALID¹	Not valid	Not valid	Not valid	Not valid	Not valid	VALID	Not valid	
			3 Port	Not valid	VALID²	Not valid	Not valid	Not valid	Not valid	<u>Not valid</u>	<u>Not valid</u>	Not valid
			4 SAR	Not valid	Not valid	Not valid	Not valid	Not valid	Not valid	<u>Not valid</u>	<u>Not valid</u>	Not valid
	MT 2	Response Type	1 Coastal	VALID³	Not valid	Not valid	Not valid	Not valid	Not valid	<u>Not valid</u>	<u>Not valid</u>	Not valid
			3 Port	Not valid	VALID⁴	Not valid	Not valid	Not valid	Not valid	<u>Not valid</u>	<u>Not valid</u>	Not valid
			4 SAR	Not valid	Not valid	Not valid	Not valid	Not valid	Not valid	<u>Not valid</u>	<u>Not valid</u>	Not valid
	MT 3	Response Type	1 Coastal	Not valid	Not valid	Not valid	Not valid	Not valid	Not valid	<u>Not valid</u>	<u>Not valid</u>	Not valid
			3 Port	Not valid	Not valid	Not valid	Not valid	Not valid	Not valid	<u>Not valid</u>	<u>Not valid</u>	Not valid
			4 SAR	Not valid	Not valid	Not valid	Not valid	Not valid	VALID⁵	<u>Not valid</u>	VALID	Not valid

27 Paragraphs 2.3.5.4 and 2.3.5.5 should be amended as follows:

2.3.5.4 The ~~SAR~~CircularArea and ~~SAR~~RectangularArea parameters should not be populated in the same SAR SURPIC request message. If both parameters are populated, then the providing DC should ignore the contents of the ~~SAR~~RectangularArea parameter and use the contents of the ~~SAR~~CircularArea parameter in responding to the SAR SURPIC request message.

2.3.5.5 DCs have the option of processing the DataUserRequestor parameter of the SAR SURPIC message with an AccessType of 6 in order to determine if the requestor is a SAR service entitled to receive the information requested. If a DC chooses to check the validity of a requestor then it should check the LRIT ID contained in the DataUserRequestor parameter against the SAR service LRIT IDs in the DDP. If a DC chooses to reject a SAR SURPIC message with an AccessType

of 6 based upon the LRIT ID in the *DataUserRequestor* parameter than the DC should send a receipt message with receipt code 0 (not entitled to data) to the requestor.

28 *The text (LritMessageLog.xsd) after subparagraph .2 of paragraph 2.3.10.2 should be amended in accordance with the other proposed changes in this document.*

29 *The title of figure 8 should be amended as follows:*

**"Message flow example
SAR SURPIC request (Message 6 with Access Type 6),
Receipt (Message 7) and SAR position report (Message 3)"**

MSC.1/Circ.1259/Rev.5, annex, annex 4

30 *The existing subparagraph .3 listed under paragraph 2.4 should be amended as follows:*

".3 Coastal State standing orders, including changing the reporting interval and filtering by flag and ship type, where the geographical areas to be monitored have already been implemented by DCs. (Note that geographical areas, including custom coastal State areas, are *regular* DDP information, and generally take 24 h after publishing to be implemented by recipient components.);"

MSC.1/Circ.1259/Rev.5, annex, annex 6

31 *Relevant parts and sections of the annex (XML schemas) should be amended in accordance with the other proposed changes in this document.*
