

SUB-COMMITTEE ON
NAVIGATION, COMMUNICATIONS AND SEARCH
AND RESCUE
3rd session
Agenda item N

NCSR 4/.../...
.../2017
Original: ENGLISH

LRIT-RELATED MATTERS

Status of the International LRIT Data Exchange system

Submitted by the European Commission

SUMMARY

Executive summary: This document reports about the status of the International LRIT Data Exchange in the Production environment over 2016.

Strategic direction:

High-level action:

Planned output:

Action to be taken: Paragraph 11

Related documents: MSC.1/Circ.1259/Rev.5 and MSC.1/Circ.1376/Rev.1

Introduction

1. According to resolution MSC.297(87), the European Maritime Safety Agency (EMSA) has been invited to establish the International LRIT Data Exchange (LRIT IDE) of the LRIT system.
2. The MSC 92 adopted resolution MSC.361(92) on Operation of the International LRIT Data Exchange after 2013.
3. This document contains information about the performance, maintenance activities, and security related issues pertaining to the International LRIT Data Exchange in the Production environment over 2016.

REMARK: all statistical data is referred to the period 1 January 2016 / 31 August 2016

Discussion

4. Performance

The LRIT IDE PROD reached an availability of **99.97%**.

The LRIT IDE PROD processed **11,738,856 messages**.

The LRIT IDE PROD processed **9,619,506 position reports messages** of all types. The trend is **increasing** (see Figure 1).

The processing time performance was **100%** (percentage of messages processed below the 30 seconds target set by IMO).

56 Data Centres are connected to the LRIT IDE PROD, serving **121** Contracting Governments and Territories.

Data Centres permanently off-line or with permanent connectivity issues over the period: **Morocco NDC**

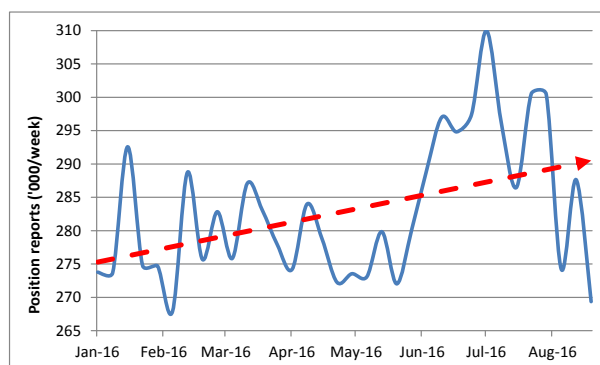


Figure 1- LRIT Position Reports processed monthly by the LRIT IDE PROD and trend line

5. Incidents

Date & Time	Component	Description
12-01-2016 14:08	Firewall	Episode implying 'Reduction of the Level of Service' due to a planned intervention in the firewall, duration 24 minutes.
26-01-2016 14:08	Network and Internet	Three separate episodes implying 'Reduction of the Level of Service' due to glitches of the network and in the Internet, total duration 42 minutes
24-05-2016 16:22	Routers	The service was unavailable due to an unforeseen disruption on EMSA Internet routers, duration 40 minutes
28-06-2016 15:15	Network	Reduction of the level of service due to instability in the network infrastructure, duration 30 minutes

6. Audit

The audit date for the LRIT IDE is to be set by the LRIT Coordinator in due time.

7. Maintenance

The version 3.0 of the LRIT IDE software addresses the improvements in accordance with the requirements of the second modification of the LRIT system.

Its deployment in the PRODUCTION environment at the Primary site (EMSA) will be duly informed by the IMO.

8. Security

NSTR

9. Disaster Recovery (DR) site exercise

As set out in MSC.1/Circ.1376/Rev.2, the DR site exercise to fail over the LRIT IDE PRODUCTION environment to the USCG facilities is planned in November 2016.

Recommendation

NSTR

Conclusions

10. Over 2016 the LRIT IDE PRODUCTION environment satisfied the standards set out in the related documents.

Actions requested of the Committee

11. The Committee is invited to note the information provided in this document.