

12th Mediterranean AIS Expert Working Group
Rome, 22nd October 2014

MAREΣ 12/6/1
19 September 2014

MAREΣ progress report
Submitted by Italy

<i>Executive summary</i>	The paper described the migration from MAREΣ to MAREΣ 2.0, as agreed during the last EWG meeting.
<i>Action to be taken</i>	As per paragraph 5.
<i>Related documents</i>	MAREΣ 11/7/1 "Towards MAREΣ 2.0"

1. Introduction

During the last EWG meeting Italy offered to modernize the MAREΣ platform by re-using the software modules already developed by the ITCG for its integrated national AIS network called *Pelagus*. The proposal was approved by the EWG.

This paper provides information about the migration from MAREΣ to MAREΣ 2.0, completed by mid-September 2014.

2. Migration to MAREΣ 2.0

The first architecture of MAREΣ was designed in 2007, implemented in 2008 and entered in operation since January 1st 2009.

During the 10th EWG the ITCG offered to replace the old version of MAREΣ with a new Service-Oriented Architecture (SOA) platform (MAREΣ 2.0).

At the 11th EWG meeting Italy illustrated the details of the new architecture of the MAREΣ server and the steps to be taken for the migration.

On June 2014 Italy started the migration, according to the following steps:

- acquisition of hardware to host MAREΣ 2.0;
- software installation and configuration;
- cooperation with MSs in order to change the IP address in their own NAISP settings;
- delivery of new credentials in order to allow participating Countries MSs to access to MAREΣ 2.0 web user interface.

The last two steps were completed within two weeks thanks to the prompt cooperation of the MSs that changed the IP address in their own NAISP software. The new web application is now available at the following URL: <http://mares.guardiacostiera.gov.it> or <http://195.45.128.47>.

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The MAREΣ 2.0 platform is already configured to operate with the duplicated server installed at the Coast Guard premises outside Rome.

3. Proxy configuration: new IP address/TCP port

In order to connect the proxy to the new regional system architecture, each MSs changed some settings in its own proxy (IP address and TCP port). The table below presents the change configuration dates:

Member State	New Configuration date
SPAIN	15.09.2014
SLOVENIA	11.09.2014
BULGARIA	16.09.2014
CROATIA	05.09.2014
ITALY	04.09.2014
FRANCE	12.09.2014
ROMANIA	08.09.2014
MALTA	10.09.2014
GREECE	15.09.2014
PORTUGAL	12.09.2014
CYPRUS	09.09.2014
MONTENEGRO	15.09.2014

During the migration the ITCG and the participating Countries faced no particular problems or difficulties.

4. MAREΣ versus MAREΣ 2.0 – missing functionalities

It should be noted that only two functionalities are not yet available:

- **Data Quality Reports:** for overcome this problem Italy will maintain both MAREΣ and MAREΣ 2.0, in this way it will be possible to continue to generate Data Quality Reports for EMSA. Anyway this solution will have no impact to the participating Countries. The old MAREΣ platform receives the AIS data by a dedicated proxy.
- **Management Policy Password:** the set of rules designed to enhance computer security by encouraging users to employ strong passwords and use them properly. This functionality will be provided by the next year.

The Data Quality tool will be implemented in MAREΣ 2.0 after being agreed between EMSA and ITCG.

5. Action Required

Participating states are invited to take note of the information.