

## NAVAREA V System

### Submitted by Brazil

#### SUMMARY

Executive Summary: This paper describe the main functions of NAVAREA V system to control MSI warnings.

Action to be taken: None

Related documents: None

#### Introduction

WWNWS5 placed an action item on the list of Action to produce a paper on the new system being developed to control the MSI warnings.

#### Background

In recent years, the volume of events that affect the safety of navigation has increased considerably, because of the National Dredging Program, initiated in 2012 by the Federal Government, which is a joint investment action and new regulatory rules for ports, which aims to improve infrastructure and stimulate the growth of the country. Within this context, the implementation of a computerized system to manage the elaboration of the navigational warning, the period of broadcasting, archiving, controlling and visualization of geographic database and SAR has become necessary to increase the quality and reliability of the transmitted information to mariners in NAVAREA V.

Last year three NAVAREA coordinators were consulted, by email, to may have an idea of how they work, what they use to control the flow of information for the control and Navigational Warnings broadcasting. NAVAREA I created their own system, NAVAREA X controls their information through an excel table and NAVAREA VI has no system.

#### Overview

Nowadays, the NAVERA V control the flow of information since the submission of information by the source (maritime authority, mariners) until their effective processing through an excel table. The are about 35 warnings per month promulgated by SafetyNet, since we do not have the NAVTEX stations. The most common subjects are towing and shifting platforms.

The development of the system began in late July because of delays due to regulation problems and will be built in Java language and MSQl database.

The system will have three phases and in the first phase will be possible to perform the following tasks:

- Automatically creation of SafetyNet warning number and automatic generation of in english text;
- Automatically creation of the In-force bulletins;
- Automatically creation of weekly list of platforms,
- Production of alert message of the warning longer than 6 weeks;
- Production alert message to notice no valid warning;
- Creation of HTML list with all in force warning, to be available on the Internet; and
- Control and storage of Navigational Warning, turn the research easier.

The second phase is create a WEB form with specific fields to be filled by the source, exactly with the important information, as it is describe in the Joint IMO/IHO/WMO Manual on Maritime Safety Information.

The third phase is to turn the warning available to the mariners represented in a GIS (geographic Information System), with nautical charts, maps, and other geographical databases.

The end of October is the deadline date for deliver the system.