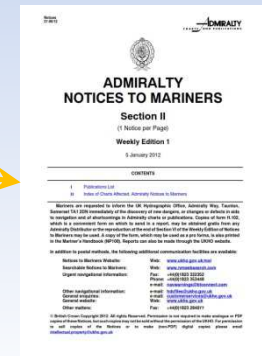
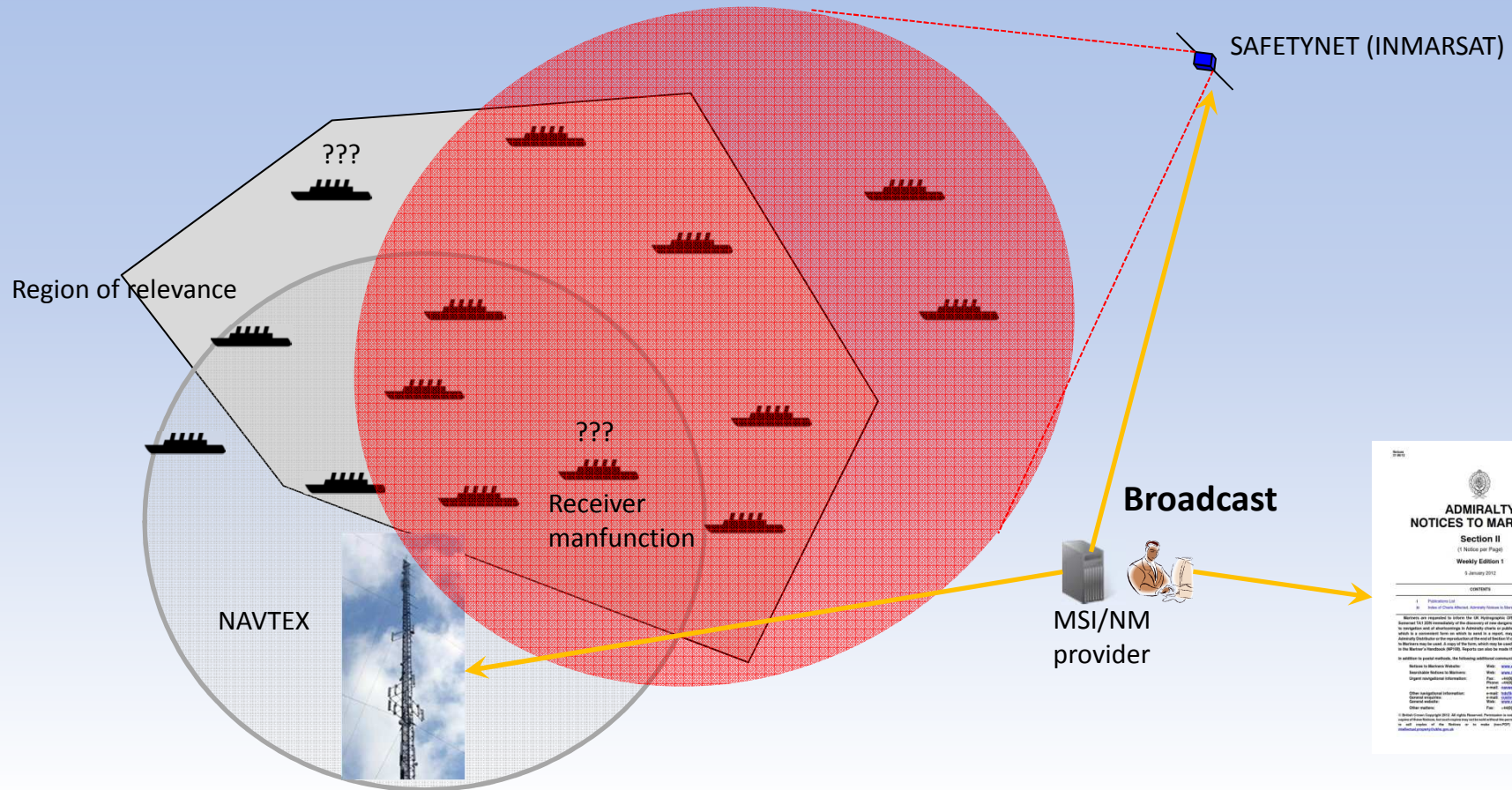




# Potential solution Maritime Safety Information and Notices to Mariners (T&P)

Mads Bentzen Billesø  
Danish Maritime Authority,  
ACCSEAS Project


# MSI/NM promulgation: Current solution



# MSI/NM promulgation: Current result

Notices  
27-90/12

**ADMIRALTY**  
CHARTS AND PUBLICATIONS



## ADMIRALTY NOTICES TO MARINERS

### Section II

(1 Notice per Page)

### Weekly Edition 1

5 January 2012

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**CONTENTS**

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I Publications List  
II Index of Charts Affected. Admiralty Notices to Mariners

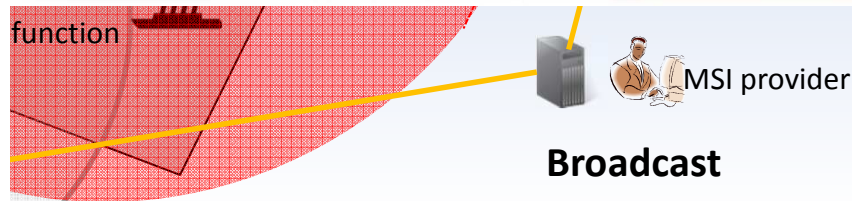
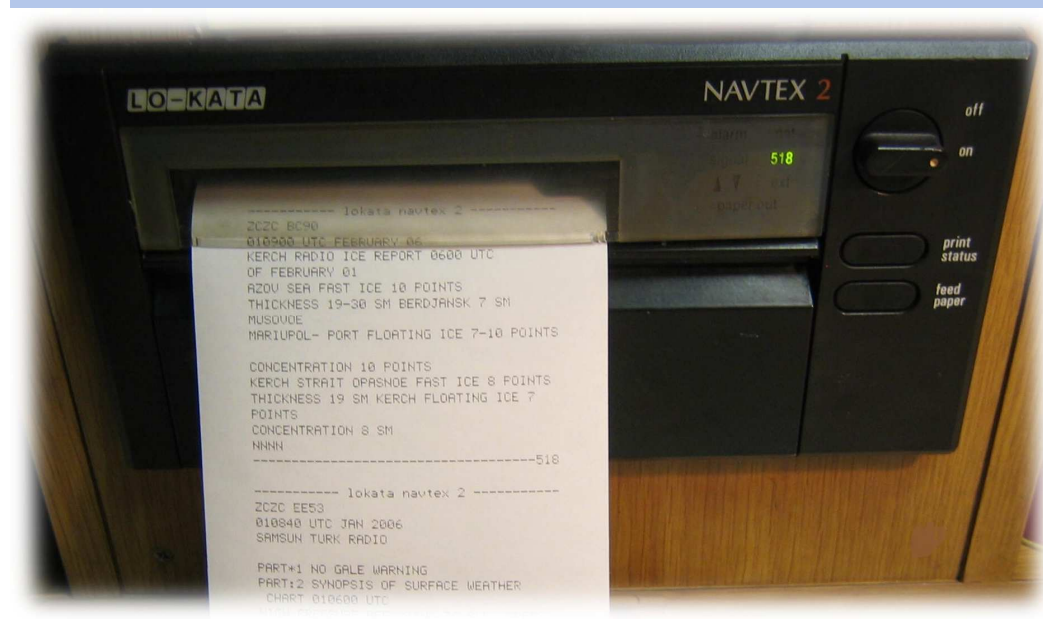
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Mariners are requested to inform the UK Hydrographic Office, Admiralty Way, Taunton, Somerset TA1 2DN immediately of the discovery of new dangers, or changes or defects in aids to navigation and of shortcomings in Admiralty charts or publications. Copies of form H.102, which is a convenient form on which to send in a report, may be obtained gratis from any Admiralty Distributor or the reproduction at the end of Section VI of the Weekly Edition of Notices to Mariners may be used. A copy of the form, which may be used as a pro forma, is also printed in the Mariner's Handbook (NP100). Reports can also be made through the UKHO website.

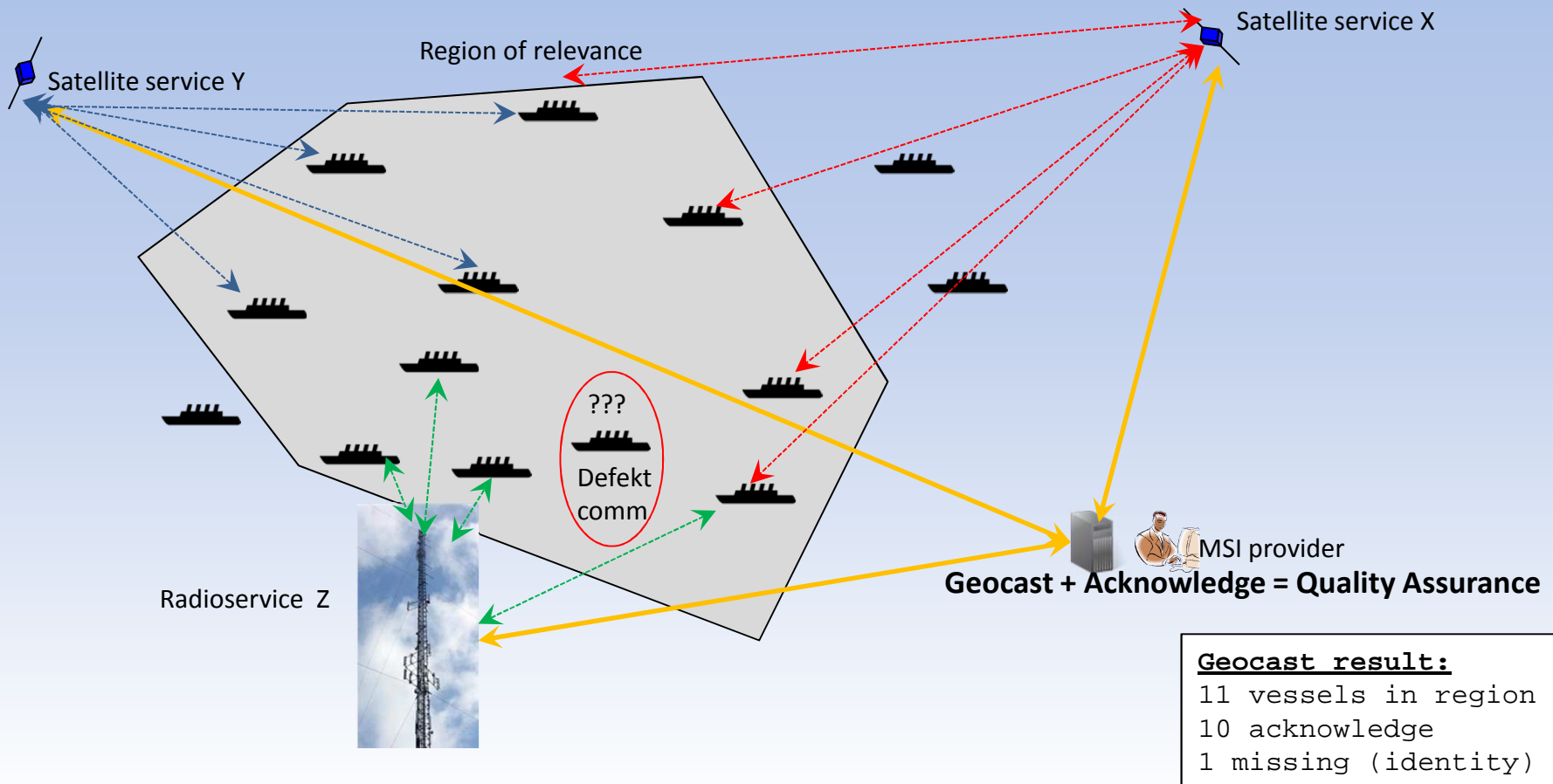
In addition to postal methods, the following additional communication facilities are available:

Notices to Mariners Website:	Web: <a href="http://www.ukho.gov.uk/msi">www.ukho.gov.uk/msi</a>
Searchable Notices to Mariners:	Web: <a href="http://www.nmwebsearch.com">www.nmwebsearch.com</a>
Urgent navigational information:	Fax: +44(0)1823 322352 Phone: +44(0)1823 353448 e-mail: <a href="mailto:navwarnings@btconnect.com">navwarnings@btconnect.com</a>
Other navigational information:	e-mail: <a href="mailto:hdcfiles@ukho.gov.uk">hdcfiles@ukho.gov.uk</a>
General enquiries:	e-mail: <a href="mailto:customerservices@ukho.gov.uk">customerservices@ukho.gov.uk</a>
General website:	Web: <a href="http://www.ukho.gov.uk">www.ukho.gov.uk</a>
Other matters:	Fax: +44(0)1823 284077

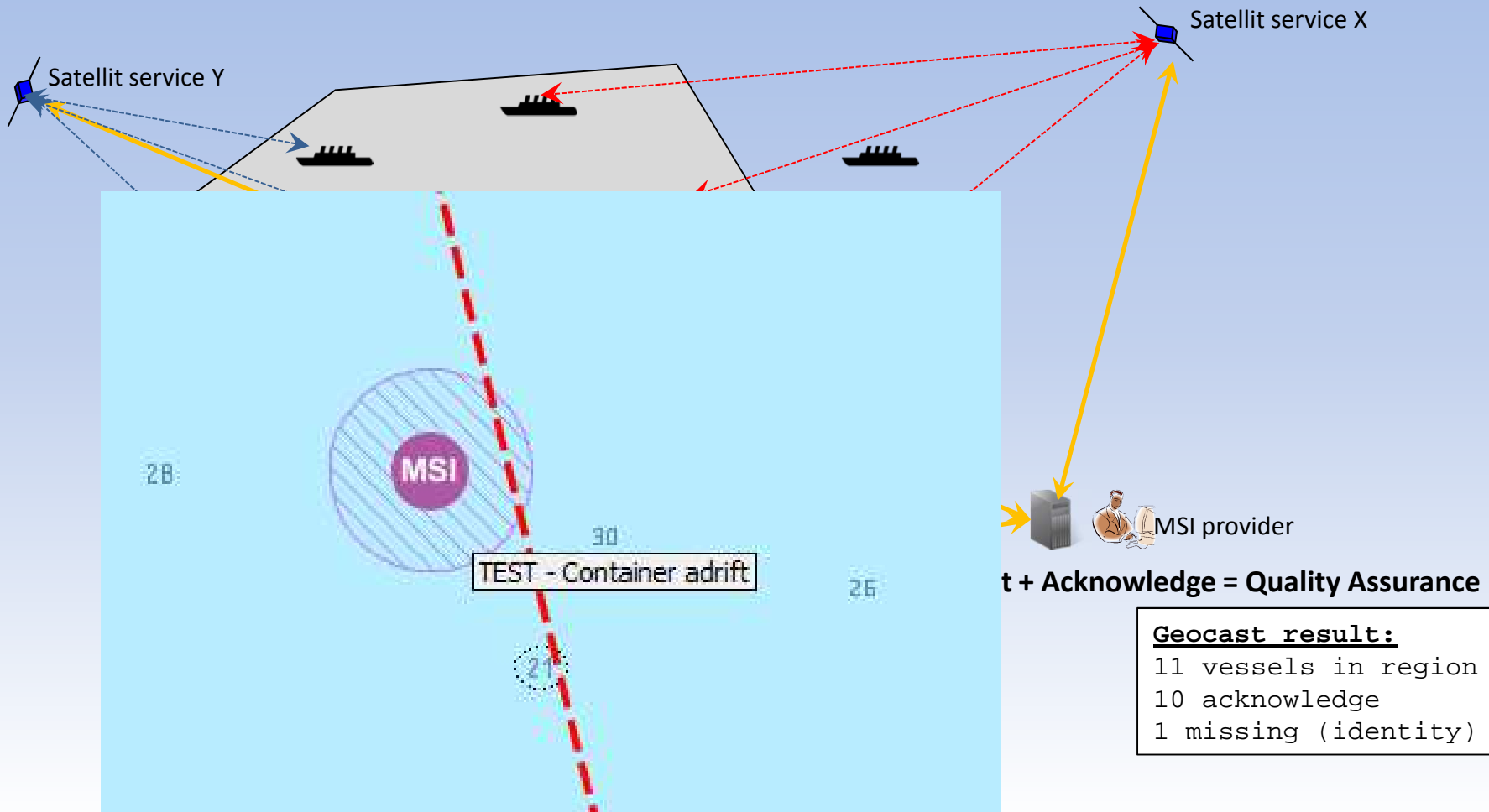
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# S4: Maritime Cloud – MSI/NM promulgation

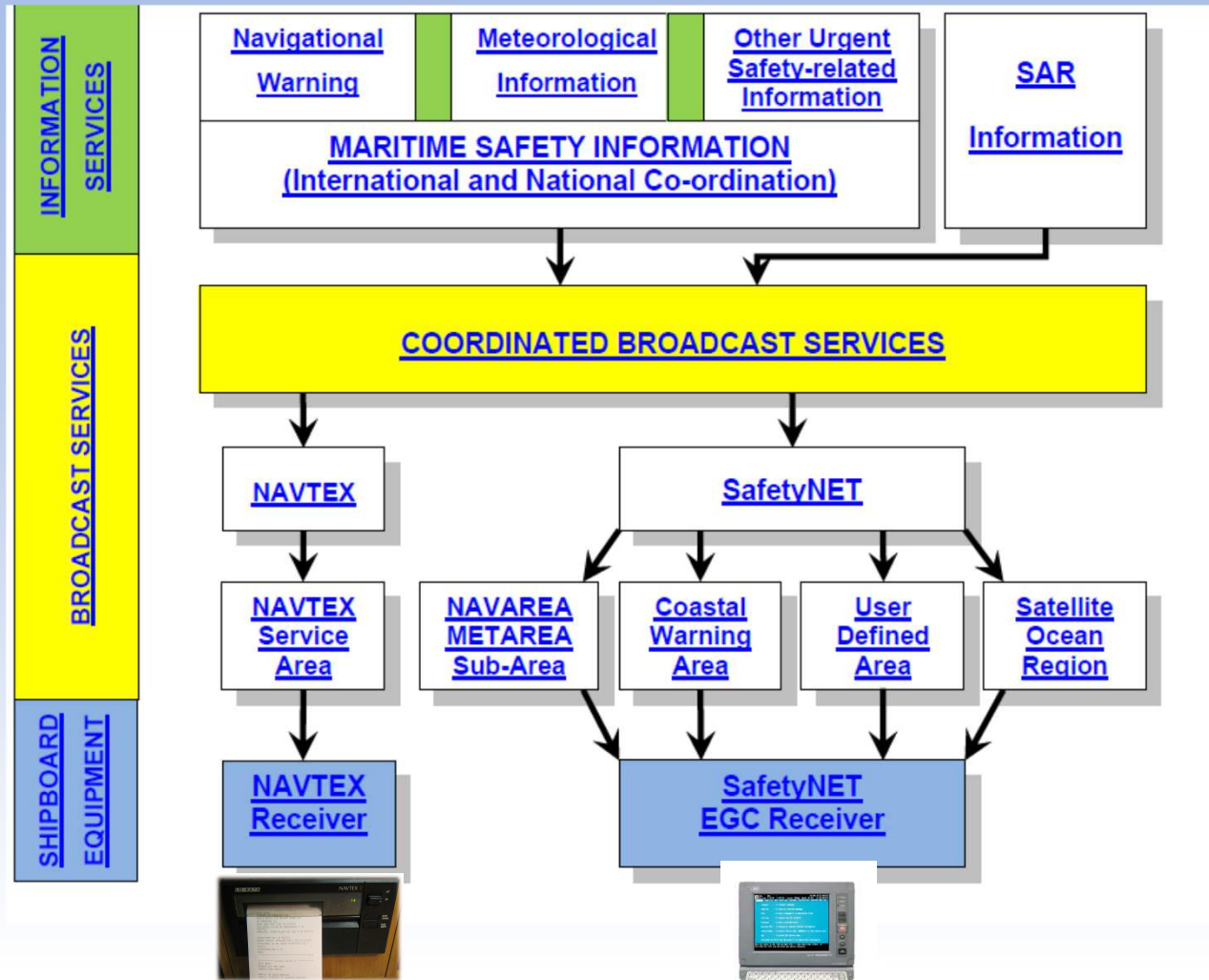


# Maritime Cloud – MSI/NM promulgation

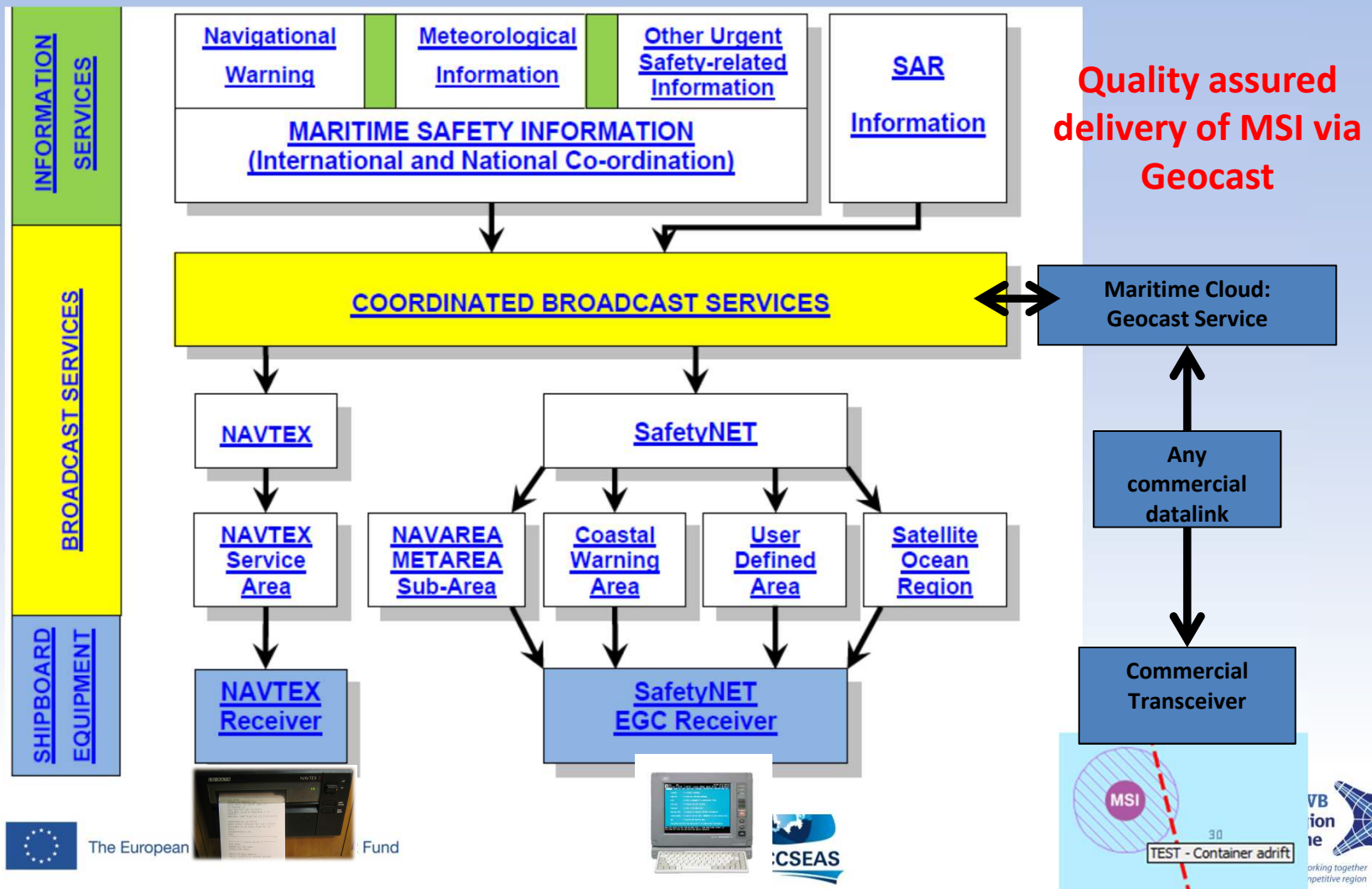


**Geocast result:**  
11 vessels in region  
10 acknowledge  
1 missing (identity)

# Current MSI regime



# S4: MSI regime with Maritime Cloud



# Data – MSI vs. NM

Multiple representations of the same “event”. Different messages, numbers, positions etc...

**(T). Sweden. The Baltic Sea. Bornholm NW. Bornholmsgat. Cable works.**

*Time.* Until beginning February 2013.

*Position.* 1) 55 19,043 N 14 25,816 E.

2) 55 18,772 N 14 25,405 E.

3) 55 18,489 N 14 24,979 E.

*Details.* In the time period stated cable works are carried out in an area one nm around »Cable One« (OVZC), »Thor« (OZPS2), »Vina« (OVJJ2) and »Onkel Sam« (OWEF). The works are carried out at positions 1) - 3). The vessels can be contacted on VHF channel 16. Warp anchors will be marked with yellow globes. Divers are used. Mariners are requested to show consideration and follow the directions from the vessels.

*Chart(s).* 189 (INT 1346), 188.

(JD-Contractor A/S 27 December 2012)

060700 UTC JAN

**SWEDISH NAV WARN 010**

SOUTHERN BALTIC. TSS IN BORNHOLMSGAT.

UNDERWATER OPERATIONS IN THE FAIRWAY.

APPROX PSN 55-19N 014-26E

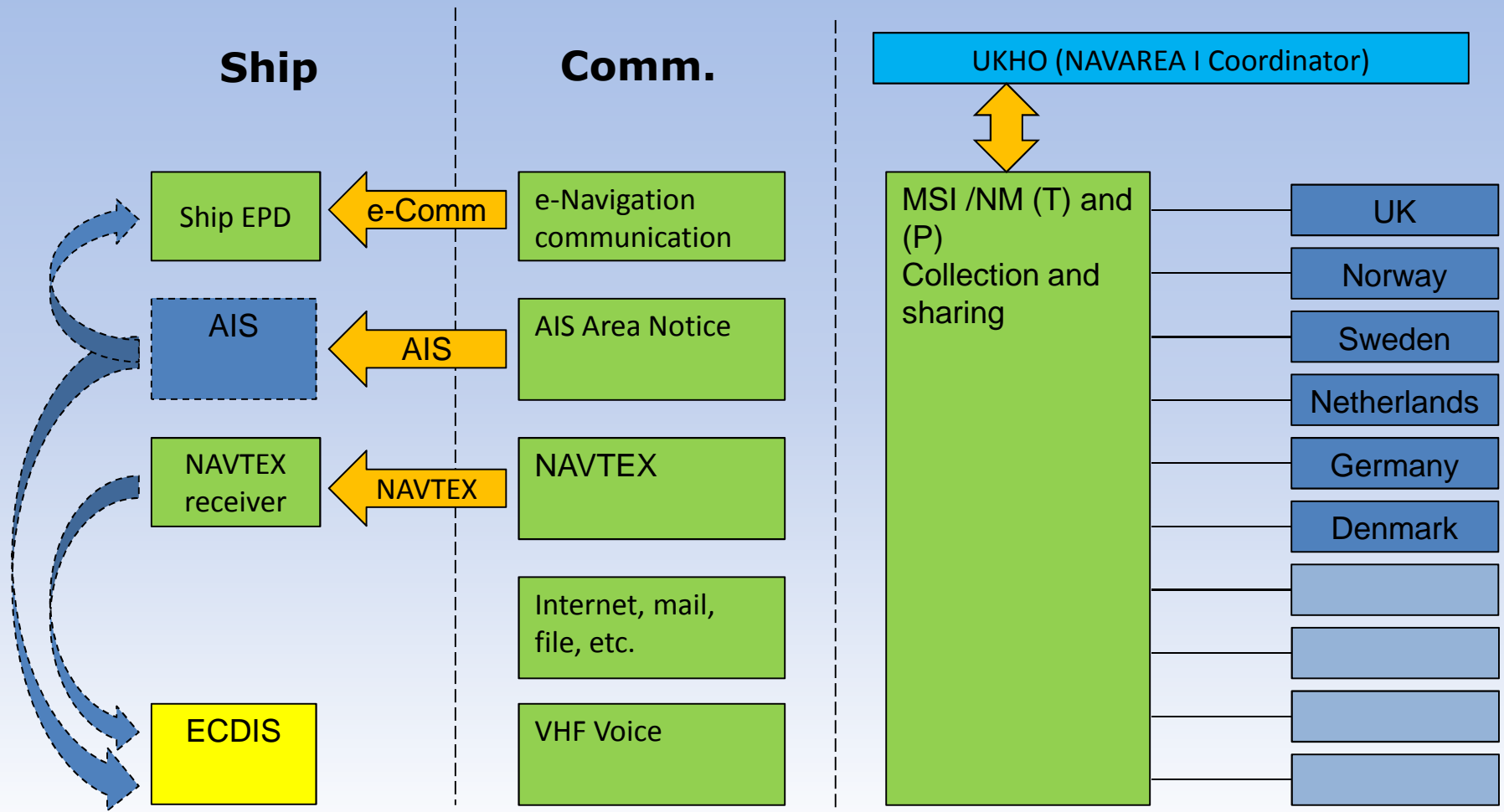
OPERATIONS CONDUCTED BY THE 4 VESSELS 'CABLE ONE/OVZC2', 'VINA/OVJJ2 AND 'THOR/OZPS2' AND

GUARD VESSEL ONKEL SAM. 1.0 NM BERTH REQUESTED.

CANCEL SWEDISH NAV WARN 008.







# MSI/NM (T&P) editor prototype – front page

Maritime Message Inform x

localhost:8080/index.html#/

MSI-NM UK Home Search Report Admin Mr User Logout

## Welcome to MSI-NM UK

MSI-NM is an effort by the UK Hydrographic Office to combine MSI and MN P&T.

### Active Warnings

For a detailed list of the active MSI-NM warnings, please go to the Search section.

**SCOTLAND – Firth of Forth – Methil – Works.**  
28/05/12

1. A temporary offshore meteorological mast is being constructed in the Firth of Forth.

**CHINA – Bo Hai – Qinhuangdao Gang – Shiwandunji Hang...**  
28/05/12

1. The following light-buoys have been temporarily removed:  
*Designation Position (WGS84 Datum)*  
No 435 39° 54' 95N 119° 40' 95E  
No 436 39° 55' 10N 119° 40' 82E

**CHINA – South Coast – Hainan Dao, North West Coast – Ya...**  
28/05/12

1. Pier construction works are taking place within an area bounded by:  
19° 47' 15N 109° 08' 93E  
19° 47' 00N 109° 09' 49E  
19° 46' 52N 109° 09' 58E  
19° 46' 47N 109° 09' 01E
2. Vessels should monitor VHF Channels 06 and 08.

### Integration

MSI and NM warnings can be accessed via a public JSON-API, as exemplified below:

```
$getJSON('http://theserver/rest/message/search?status=PUBLISHED', function(data) { $('#msiList').html('<h2>Behold my ' + data.total + ' messages</h2>' + '<pre>' + JSON.stringify(data.messages) + '</pre>'); });
```

Furthermore, the API contains functionality that may be used by registered users.

### Open Source

The MSI-NM project is Open Source. You can download the entire project and customize it for your own needs.

- MsiNm at Github

### Report Observations

If you observe an incident relevant to the maritime community, please file a report in the Report section

### Other sources

Please find the official MSI and NM's for the UK Area at:

- MSI - UK
- Searchable NM's

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# MSI/NM (T&P) editor prototype – admin/setup page

The screenshot shows a web browser window with the URL `localhost:8080/admin.html#/admin/areas`. The browser's address bar and tabs are visible. The page title is "Maritime Message Inform". The browser's bookmark bar shows "Andre bogmærker". The application's navigation bar includes "MSI-NM", "Home", "Search", "Report", "Admin", "Mr User", and "Logout".

The main content area is titled "Areas" and features a "Reload" button, an "Add" button, and a "Delete..." button. Below these is a "Filter Areas" input field. A tree view of areas is displayed, with "The Baltic Sea" selected. The tree structure is as follows:

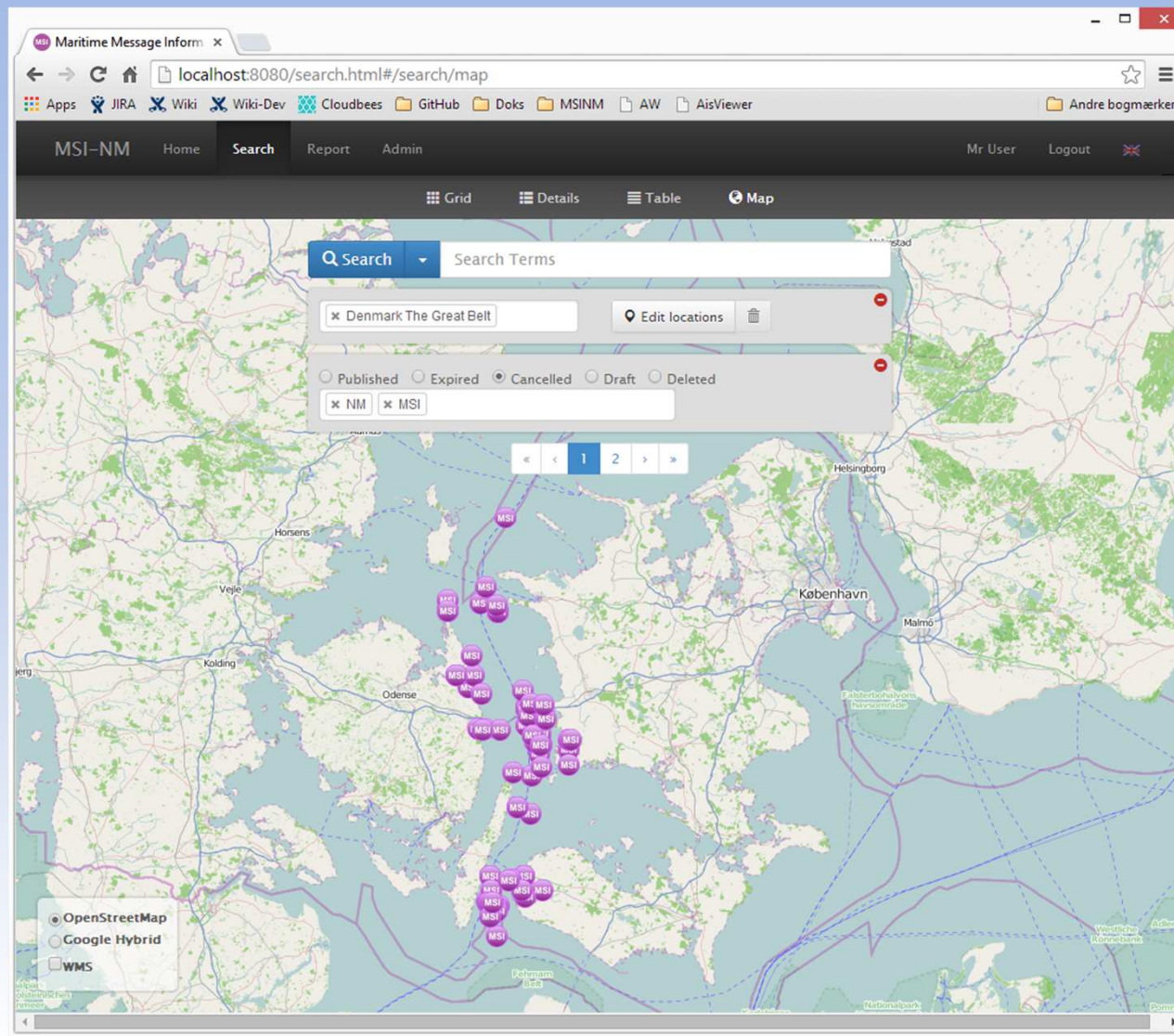
- Denmark
  - Denmark The Great Belt
  - Kattegat
  - Skagerak
  - The Baltic Sea**
  - The Liim Fiord
  - The Little Belt
  - The North Sea
  - The Sound
  - Waters south of Funen
  - Waters south of Sealand
- England
- Estonia
  - Gulf of Finland
- Greenland
  - W-coast
  - West coast
- South Korea
  - East
- Sweden

To the right of the tree view is a "Name" form with two input fields: "The Baltic Sea" (with a flag icon) and "Østersøen" (with a flag icon). Below the input fields are "Edit locations..." and "Save" buttons.

The footer of the page contains "© 2014 Danish Maritime Authority", the "DANISH MARITIME AUTHORITY" logo, and "Disclaimer · Cookies".



# MSI/NM (T&P) editor prototype – search/chart



# MSI/NM (T&P) editor prototype – details

The screenshot shows a web browser window titled "Maritime Message Inform" with the URL "localhost:8080/search.html#/search/map". The browser's address bar and tabs are visible. The main content area displays a map of the South West Coast of Spain, specifically the area around Cadiz. A popup window is overlaid on the map, providing details for a maritime notice (NM 5831-12(T)).

**OpenStreetMap contributors**

Map controls:  OpenStreetMap,  Google Hybrid

**NM 5831-12(T). SPAIN - South West Coast - Cadiz - Canal del Norte - Restricted area.**

*Time* 28/05/12

*Location* 36 34.760N 006 17.220W

*Details*

1. A circular restricted area, anchoring and fishing prohibited, radius 250m, has been established centred on position 36° 34' · 76N 6' 17" · 22W (WGS84 Datum).
2. Explosives are reported to exist within the area.

*Charts* 86 , 88 (INT 1903)

(Spanish Notice 47/336(T)/12)

[Close](#)



# MSI/NM (T&P) editor prototype – search in grid



# MSI/NM (T&P) editor prototype – search list/pdf

The screenshot shows a web browser window with the URL `localhost:8080/search.html#/search/details`. The page title is "Maritime Message Inform". The browser's address bar shows the URL and the user's name "Andre bogmærker". The page has a navigation menu with "Home", "Search", "Report", and "Admin". The "Search" tab is active. Below the navigation menu, there are icons for "Grid", "Details", "Table", and "Map". A search bar contains the text "INDIA" and a button labeled "Edit locations".

The main content area displays search results for "INDIA - East Coast - Bay of Bengal - Obstructions". The results include a map of the Bay of Bengal, a list of former EFS (East Coast Fisheries Station) locations, and a table of moorings. The table lists mooring names, positions, depths, and chart references.

Mooring	Position	Depth of ADCP (m)	Largest scale Chart(s)
BOPS-3	12° 01' - 83N 80° 08' - 07E	90	2069
BOPD-3	12° 00' - 96N 80° 12' - 28E	348	2069
BOKD-3	16° 27' - 10N 82° 36' - 52E	362	318
BSVS-2	17° 08' - 17N 82° 59' - 59E	91	319
BOVS-3	17° 49' - 04N 83° 58' - 88E	102	319
BOVD-2	17° 44' - 60N 84° 00' - 99E	182	319
NR8	18° 23' - 84N 84° 45' - 69E	395	320
BSGS-2	18° 38' - 76N 84° 47' - 29E	92	320
BOCS-4	19° 24' - 73N 85° 41' - 62E	175	320, 321
BOGD-4	19° 22' - 86N 85° 47' - 23E	213	320, 321
BNBD-4	19° 03' - 80N 88° 55' - 95E	332	829

Additional information includes "Former EFS" (3237 2012 (cancelled)), "Time" (28/05/12), and "Location" coordinates. A note states: "Underwater Acoustic Doppler Current Profiler (ADCP) moorings have been deployed in the following positions:". A note also indicates: "All positions are referred to WGS84 Datum".

Charts: 318 (INT 7405), 319 (INT 7408), 320 (INT 7413), 321 (INT 7416), 827, 828, 829, 2069. (Indian Notice 22/259(T)/12)

The bottom section shows results for "INDIA - West Coast - Diu Head to Gulf of Mannar - Obstructions", including a map and "Former EFS" (3238 2012 (cancelled)) and "Time" (28/05/12).





Thank you for your time

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Danish Maritime Authority  
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European Union



The European Regional Development Fund



The Interreg IVB  
North Sea Region  
Programme



*Investing in the future by working together  
for a sustainable and competitive region*