

Seminar on National Obligations for the Provision of Safety of Navigation services

Importance of MSI
Basic steps for implementing MSI

Strategic aspects of MSI

Why is MSI so important?

Maritime Safety Information is the fundamental piece of information that needs to be made available to the mariner to ensure safety of navigation!

Through the WWNWS the mariner will receive the elements to update the nautical charts and others.

Strategic aspects of MSI

Why is MSI so important?

SOLAS V/4 – Navigational Warnings

Each Contracting Government shall take all steps necessary to ensure that, when intelligence of any dangers is received from whatever reliable source, it shall be promptly brought to the knowledge of those concerned and communicated to other interested Governments.

Without MSI, hydrographic services (SOLAS V/9) can't be provided

What is MSI

Reference:

IHO Publication S-53 *Joint IMO/IHO/WMO
Manual on Maritime Safety Information*
(January 2016)

What is MSI

Maritime Safety Information (MSI) means navigation and meteorological warnings, meteorological forecasts and other urgent safety-related messages broadcast to ships.

What is MSI

Maritime safety information service means the internationally and nationally coordinated network of broadcasts containing information which is necessary for safe navigation.

What is MSI

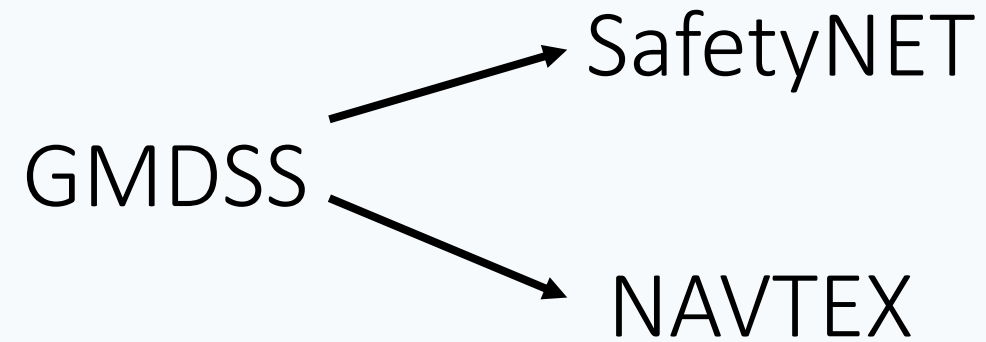
Maritime safety information is grouped in:

- Local warnings (ports)
- Coastal warnings (national coordinator)
- Sub-area warnings (Sub-area coordinator)
- NAVAREA warnings (NAVAREA coordinator)

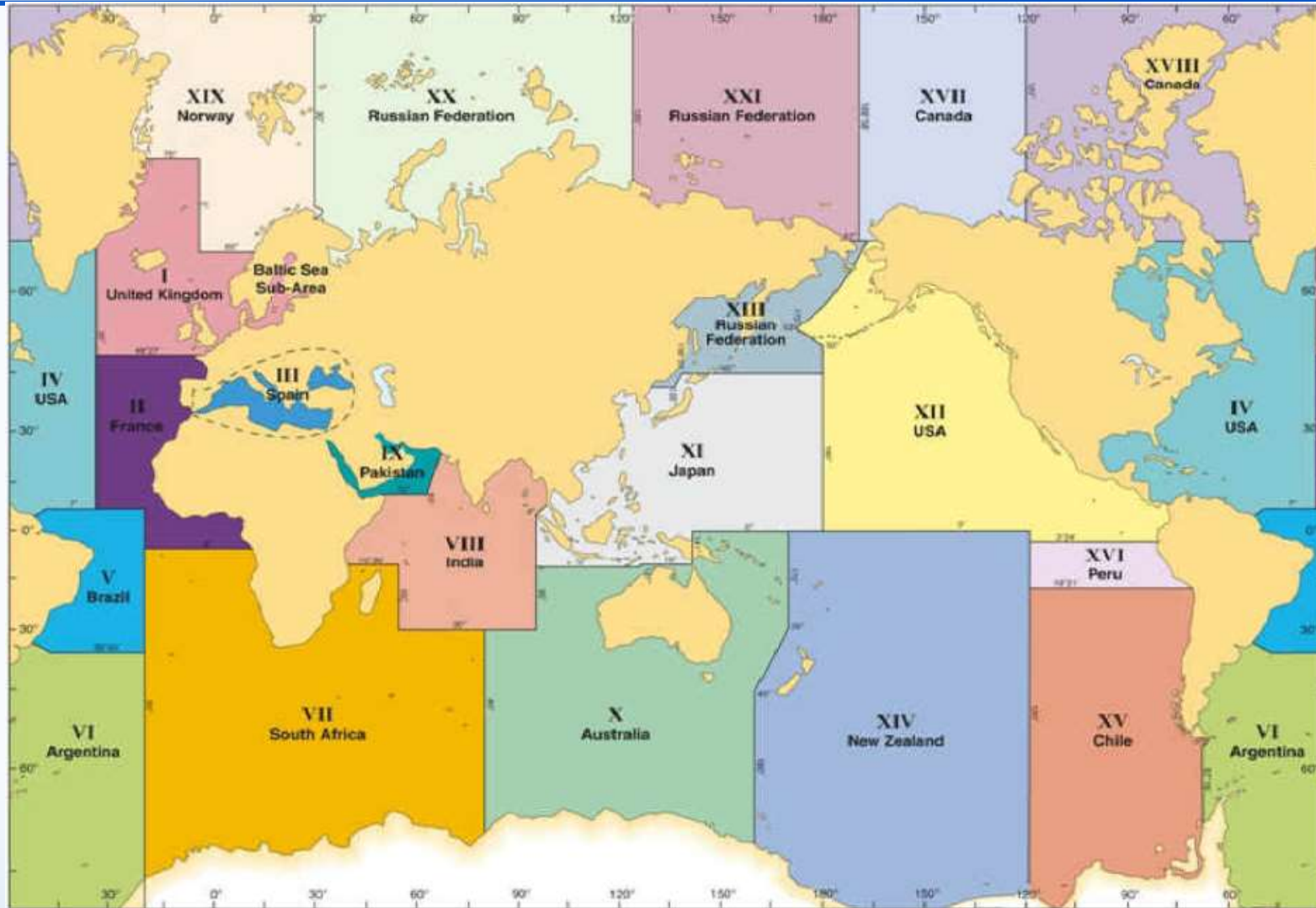
What is MSI

Maritime safety information is promulgated by the Global Maritime Distress and Safety System (GMDSS) means the global communications service based upon automated systems, both satellite and terrestrial, to provide distress alerting and promulgation of maritime safety information for mariners.

What is MSI



NAVAREAS



Basic steps to implement MSI

1. Designate a National Coordinator
2. Train the National Coordinator
3. Establish a communication plan to access relevant information
4. Collect the relevant information
5. Draft the MSI messages
6. Send MSI messages to the NAVAREA Coordinator

Basic steps to implement MSI

Examples of MSI message (1):

NAVAREA XIII 145/14

SEA OF OKHOTSK.

WESTERN PART.

CHART _____ (INT _____).

ISOLATED DANGER BUOY 54-49.9N 142-
04.1E MISSING

Basic steps to implement MSI

Examples of MSI message (2):

NAVAREA X 346/14

AUSTRALIA NORTH EAST COAST.

ARCHER POINT.

CHART _____ (INT _____).

LIGHT 15-35.6S 145-19.7E UNRELIABLE.

Basic steps to implement MSI

Examples of MSI message (3):

NAVAREA VII 345/14

MOZAMBIQUE CHANNEL.

PORT OF MAPUTO.

CHART _____ (INT _____).

BAIXO RIBEIRO LIGHT 25-54.6S 032-48.1E

UNLIT

Basic steps to implement MSI

Examples of MSI message (4):

NAVAREA III 45/14

TUNISIA, EAST COAST.

RADE DE SFAX.

CHART _____ (INT _____).

WRECK REPORTED IN VICINITY 34-41.5N
010-54.0E.

Basic steps to implement MSI

Examples of MSI message (5):

NAVAREA VI 16/14

ARGENTINA, EAST COAST.

VALDES PENINSULA.

CHART _____ (INT _____).

WRECK OF FISHING VESSEL REPORTED 42-
05.75S 063-22.00W.

Basic steps to implement MSI

Examples of MSI message (6):

NAVAREA IV 210/14

JAMAICA, SOUTHWARDS.

PEDRO BANK.

CHART 26050

SOUTHWEST ROCK LIGHT, FL (3) 10

SECONDS 7 METRES 5M ESTABLISHED 16-
47.55N 078-11.48W.

Basic steps to implement MSI

Examples of MSI message (7):

NAVAREA VII 58/14

SOUTH ATLANTIC OCEAN.

CHART _____ (INT _____).

TUG RIG DELIVERER WILL TOW VESSEL AGATE ISLAND FROM RECIFE, BRAZIL TO CAPE TOWN, COMMENCING 09 JUN 14, ETA CAPE TOWN 09 JUL 14. LENGTH OF TOW 550 METRES WIDE BERTH REQUESTED.

Basic steps to implement MSI

Examples of MSI message (8):

NAVAREA II 78/14

PAZENN.

CHART _____ (INT _____).

1. SIX CONTAINERS ADRIFT IN VICINITY

47-37N 006-26W AT 262200 UTC JUL 14.

2. CANCEL THIS MSG 292200 UTC JUL 14

Basic steps to implement MSI

Examples of MSI message (9):

NAVAREA I 112/14

CELTIC SEA.

CELTIC DEEP.

CHART _____ (INT _____).

1. DERELICT FISHING VESSEL REPORTED
ADRIFT 51-25.5N 006-21.9W AT 132210 UTC
NOV 14.

2. CANCEL THIS MSG 162210 UTC NOV 14.

Basic steps to implement MSI

Examples of MSI message (10):

NAVAREA XIV 67/14

NEW ZEALAND.

COOK STRAIT.

CHART _____ (INT _____).

SAR OPERATION IN PROGRESS CENTRED ON
40-24.5S 173-57.6E. ALL VESSELS NOT UNDER
INSTRUCTION OF THE SAR MISSION
CONTROLLER RCCNZ ARE REQUESTED TO
KEEP A WIDE BERTH.

Basic steps to implement MSI

Examples of MSI message (11):

NAVAREA I 25/14

ENGLAND SOUTH COAST.

LYME BAY, BEER HEAD WESTWARDS.

CHART _____ (INT _____).

ANTIPOLLUTION OPERATIONS IN PROGRESS 50-40.0N 003-10.0W. A TEMPORARY EXCLUSION ZONE RADIUS TWO MILES HAS BEEN ESTABLISHED CENTRED ON THIS POSITION. SHIPS ARE PROHIBITED FROM ENTERING OR REMAINING WITHIN THIS ZONE.

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Examples of MSI message (12):

NAVAREA XII 222/14

COSTA RICA.

SOUTHWEST COAST.

CHART _____ (INT _____).

SHOALS LOCATED:

A. 28 METRES 08-17.1N 083-53.1W.

B. 13.5 METRES 08-19.2N 083-54.2W.

C. 27 METRES 08-21.8N 083-56.1W.

Basic steps to implement MSI

Examples of MSI message (13):

NAVAREA IV 231/14

NORTH PACIFIC OCEAN.

JASPER SEAMOUNT.

CHART _____ (INT _____).

DISCOLOURED WATER WITH SUBMARINE
VOLCANIC ACTIVITY REPORTED VICINITY
30-27N 122-40W AT 190110 UTC FEB 14

Basic steps to implement MSI

Examples of MSI message (14):

NAVAREA VII 256/14

ATLANTIC OCEAN.

ANGOLA.

CHART _____ (INT _____).

M/V GECO EMERALD IS CONDUCTING SEISMIC SURVEY OPERATIONS AND TOWING SIX STREAMERS AT 8000 METRE LENGTH WITH ENDS MARKED WITH YELLOW BUOYS AND BLUE FLASHING LIGHTS IN AREA BOUNDED ...

Basic steps to implement MSI

Examples of MSI message (15):

NAVAREA XIII 55/14

TATARSKIY PROLIV.

PROLIV LAPERUZA.

CHART _____ (INT _____).

1. CABLE LAYING OPERATIONS IN PROGRESS BY SHIP SUBARU UNTIL 30 JUN 14 ALONG LINE JOINING 45–56.8N 140–00.7E, 46–36.5N 140–53.6E, 46-36.6N 141–29.0E, 46–38.9N 141–47.3E, 46–36.5N 141-49.8E. WIDE BERTH REQUESTED.

Basic steps to implement MSI

Examples of MSI message (16):

NAVAREA VII 321/14

MADAGASCAR.

PORT OF MAJUNGA.

CHART _____ (INT _____).

TWO TIDE GAUGES AND A CURRENT METER
MOORED IN AREA BOUNDED BY: 15-32.70S,
15-33.03S, 046-11.77E AND 046-11.53E.

Basic steps to implement MSI

Examples of MSI message (17):

NAVAREA XI 95/14

HOKKAIDO, EAST COAST AND OKHOTSK
COAST.

TSUNAMI WARNING.

TSUNAMI WARNING AT 130436 UTC JAN 14.
DANGEROUS DRIFTING OBJECTS, CHANGE OF
DEPTH AND DAMAGE OF HARBOUR
FACILITIES OR NAVIGATIONAL AIDS MAY
OCCUR.

Basic steps to implement MSI

Examples of MSI message (18):

SUBAREA I 233/14

SOUTHERN BALTIC, THE BELTS, THE
SOUND.

THE WATER LEVEL IS EXPECTED TO DROP
80 CM BELOW MSL AFTERNOON 20 AUG
14, RISING TO ABOUT MSL MORNING 21
AUG 14.

Conclusion

It is much more inexpensive to send MSI than to remediate the damages caused by the lack of proper information and outdated charts.

IHO Secretariat, here to help you!

www.iho.int

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