

ITALIAN COAST GUARD HEADQUARTERS



CASE STUDIES FROM ITALY ON USE OF EU LRIT DATA CENTRE

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9th LRIT NCA Meeting, Lisbon May 6th 2014



MAY 2014

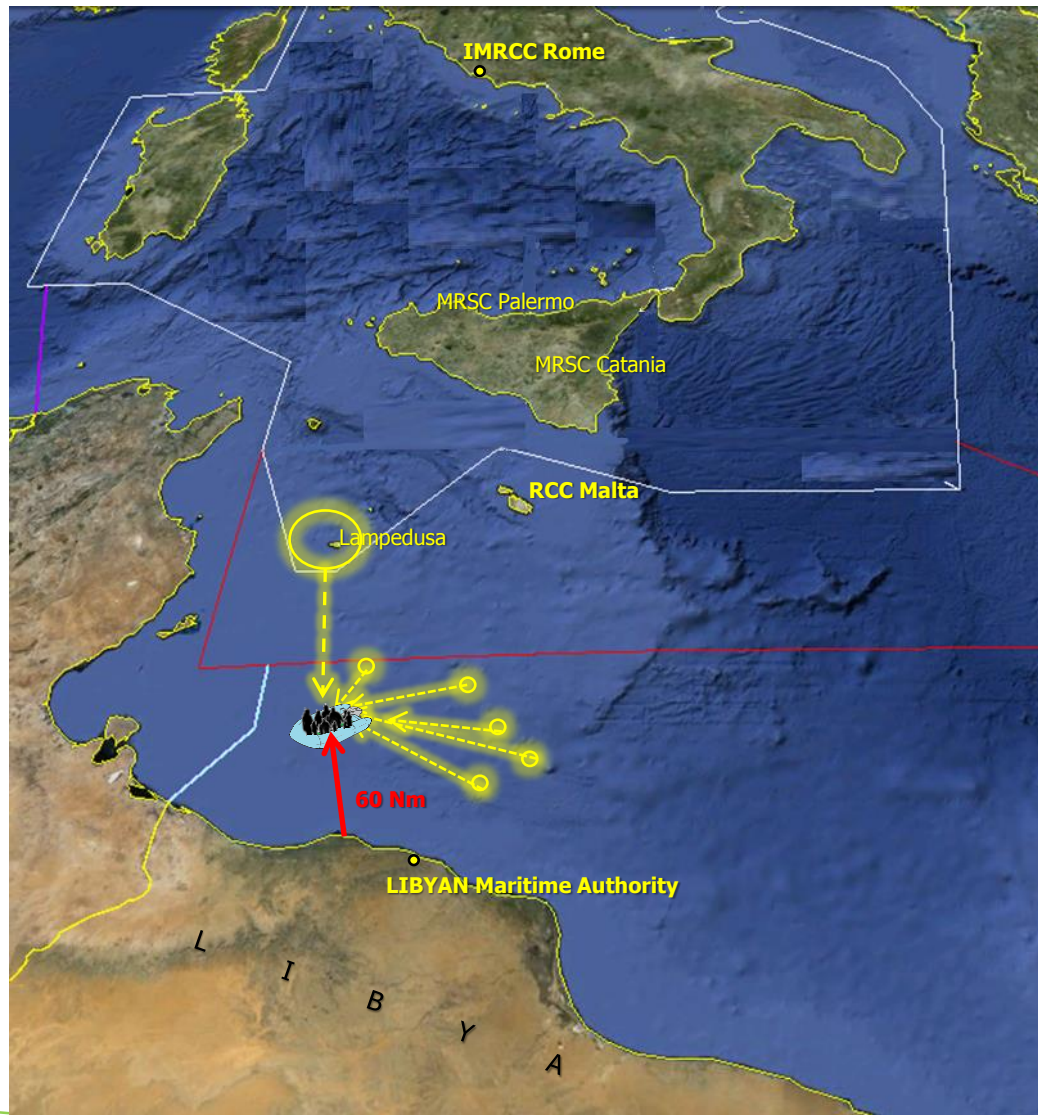
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AGENDA OF CASE STUDIES

- 1. Results of use of EU LRIT DC for SAR connected with migration flows;**
- 2. Implementation EU LRIT DC XML Interface in AIS-LRIT national system (PELAGUS);**
- 3. PRE-CLEARING testing procedure;**



MIGRATION FLOWS



OUTSIDE ITALIAN SRR

SAR operations are coordinated by territorial competent neighbor MRCC.

[MRCC Rome always shares information, about naval assets (ff/vv, merchant ship, etc.) useful to support the rescue operation, obtained by Vessel Traffic Monitoring Information Systems. (eg. VTS, AIS, LRIT, online database, etc.) and, when requested, provides its naval and air assets]



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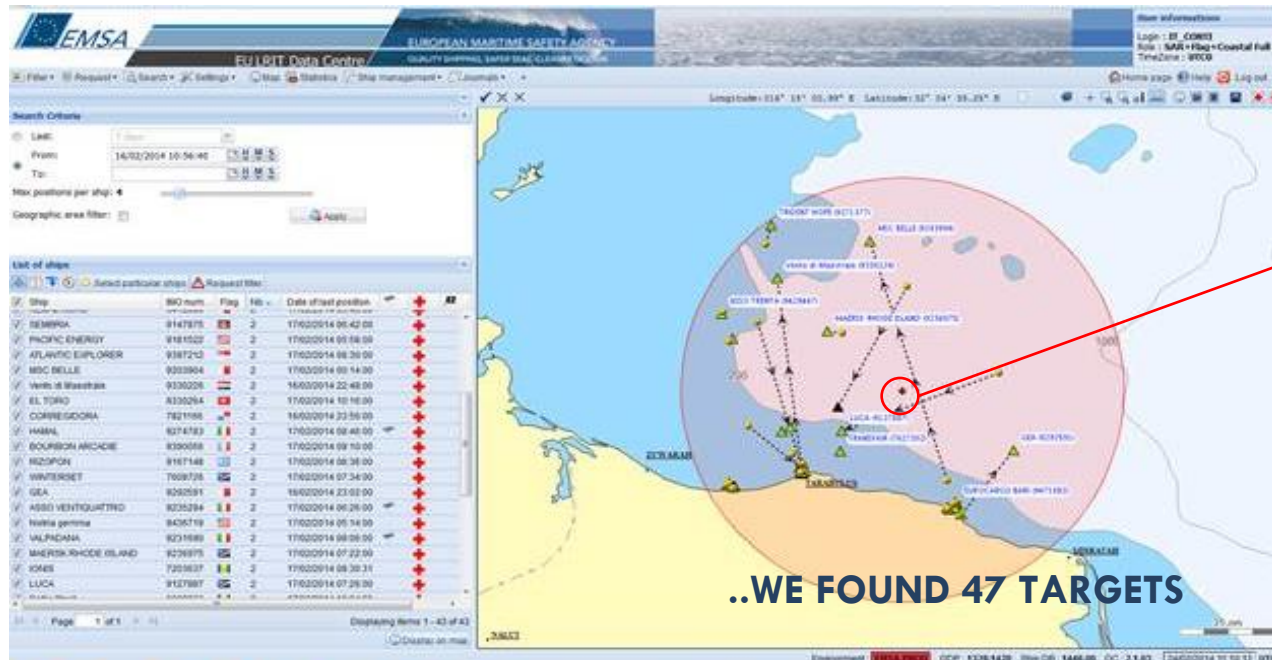
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CASE 1:DESCRIPTION

RESULTS OF USE OF EU LRIT DC FOR SAR CONNECTED WITH MIGRATION FLOWS

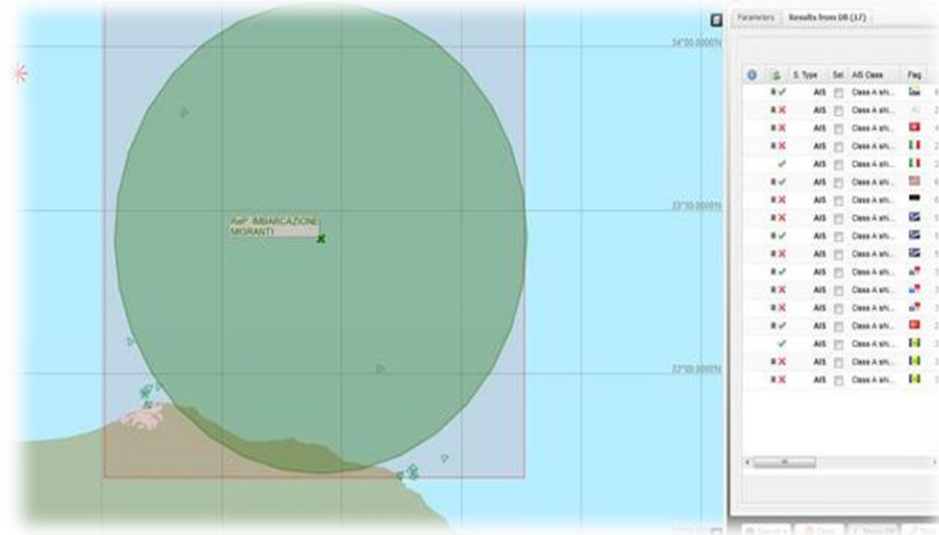
February 17th FEB 2014

AT 1037 UTC PALERMO COAST GUARD RECEIVED A SATELLITE CALL FROM MIGRANTS IN POSITION 40 NM NORTH FROM LIBYA COAST, THE RUBBER BOAT WAS ADRIFT WITH 123 P.O.B.. BY EU LRIT DC IT CG LOOKED FOR VESSELS IN THE AREA IN ORDER TO RESCUE THE RUBBER BOAT WITH MIGRANTS ON BOARD.



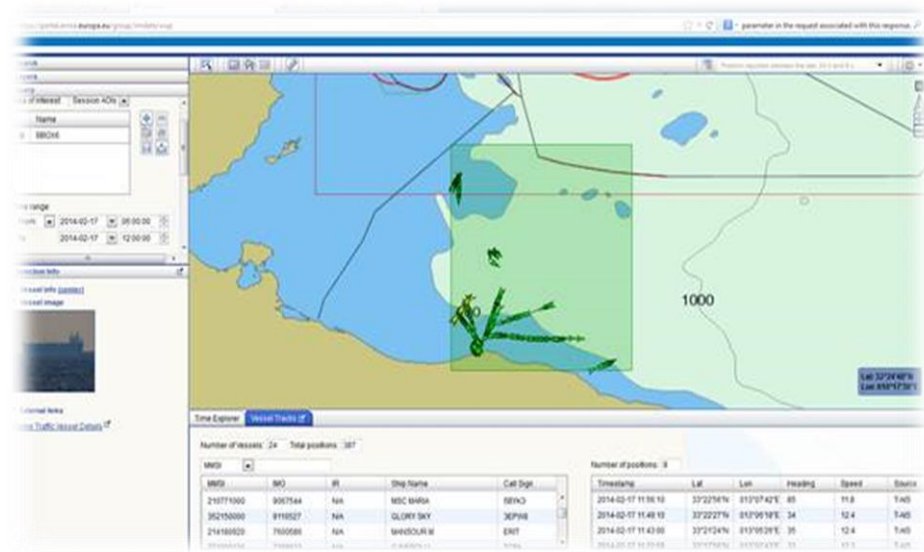
RESULTS COMPARE WITH OTHER SYSTEMS

SAME SEARCH WITH AIS-LRIT NATIONAL SYSTEM - TIME FRAME 8 HOURS



FOUND 17 TARGETS

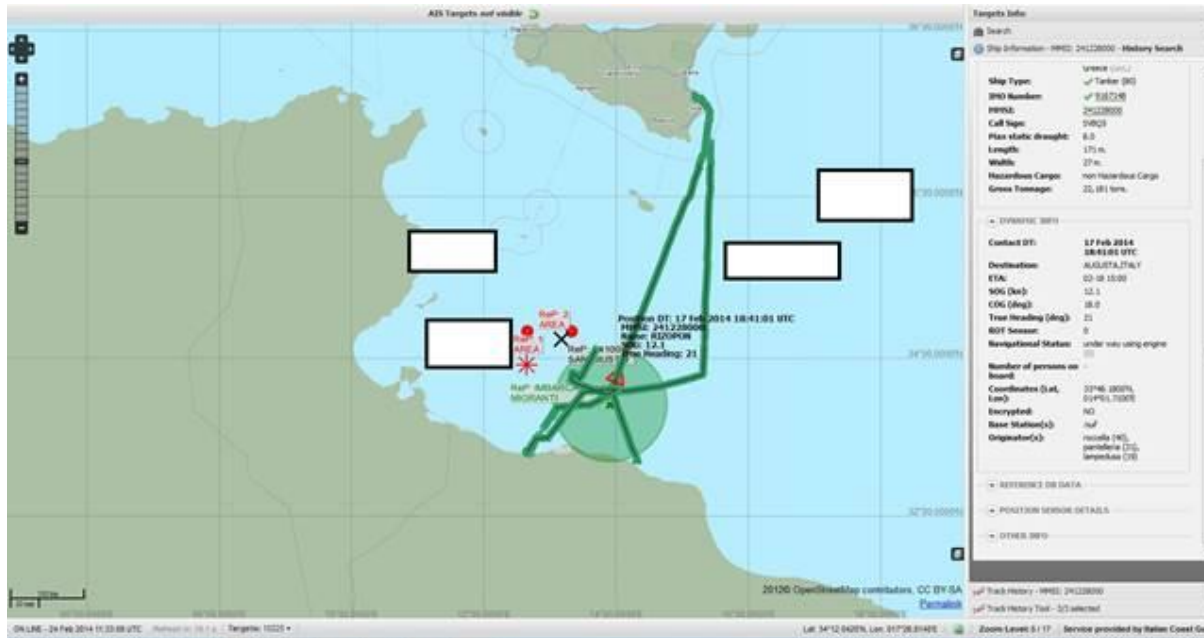
WITH IMDATE SYSTEM



FOUND 24 TARGETS

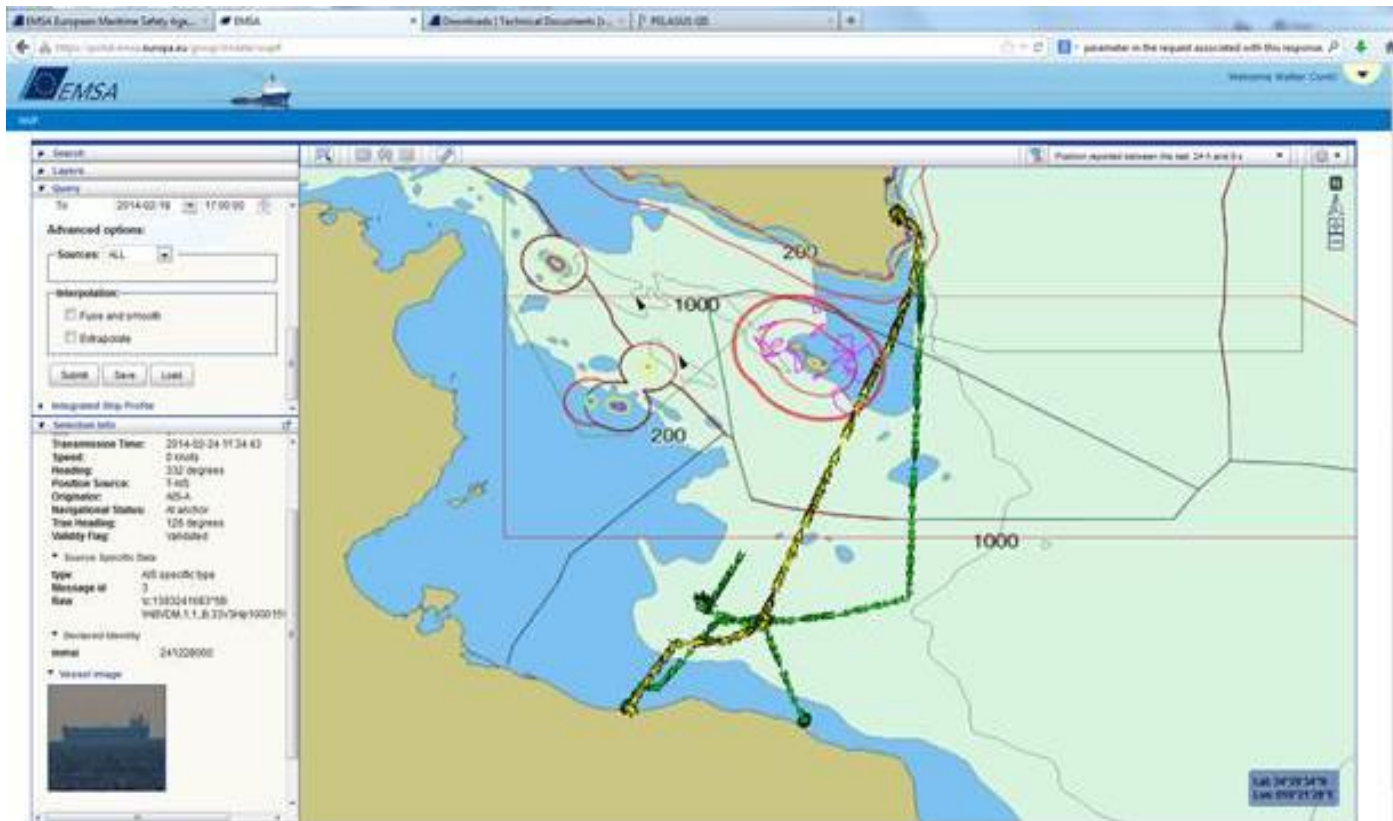
CASE 1:DESCRIPTION

FOLLOWING SEARCH PERFORMED WITH EU LRIT DC, IMRCC ROME DIVERTED TO THE AREA, MV “RIZOPON” , MV MAERSK RHODE ISLAND , SV “MV MSC LEILA” TO GIVE IMMEDIATE ASSISTANCE. IN THIS CASE DUE TO GOOD RADIO PROPAGATION, ALL SAR OPERATIONS WERE FOLLOWED WITH AIS NATIONAL SYSTEM AND IMDATE.



“MV RIZOPON” APPROACHES THE RUBBER BOAT

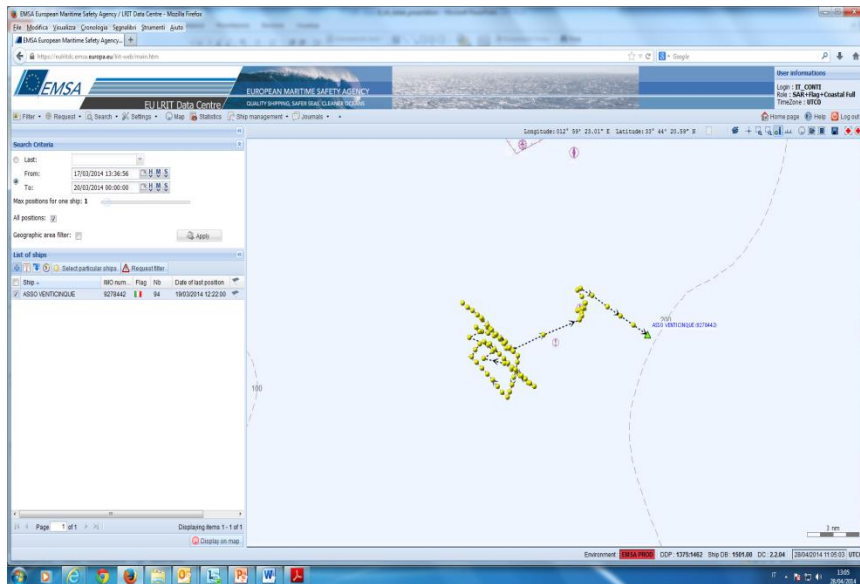
CASE 1:DESCRIPTION



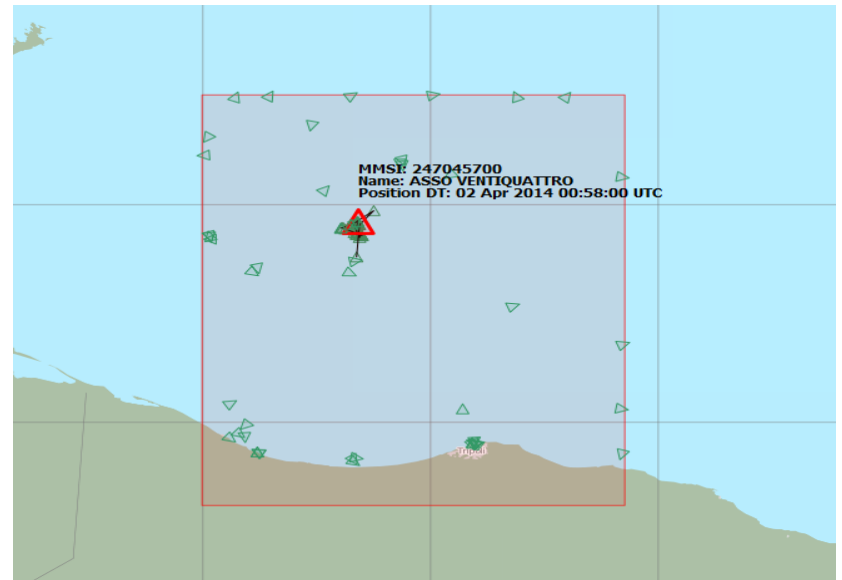
AT 17th 18.20 UTC ALL MIGRANTS (121 PEOPLE + 2 DEAD, 14 OF THEM WERE WOMEN AND 37 CHILDREN) WERE ON BOARD “MV RIZOPON” MALTA FLAG AND AT 18th 16.00 UTC THEY WERE DISEMBARKED SAFELY TO AUGUSTA.

CASE 1:DESCRIPTION

UNTIL 24TH APRIL 2014 THE BOATS DEPART FROM LIBYA AND DIRECT TO ITALIAN COAST WERE 126, FOR A TOTAL OF 21.052 MIGRANTS. IN MANY CASES, DUE TO AREA NON COVERED BY AIS, ITCG USED EU LRIT DC TO FIND VESSELS TO DIVERT FOR SAR OPERATION AND TO FOLLOW THEM, REDUCING THE RANGE OF REPORT TRANSMISSIONS TO 15 MINUTES



POSITION REPORTS EVERY 15 MINUTES

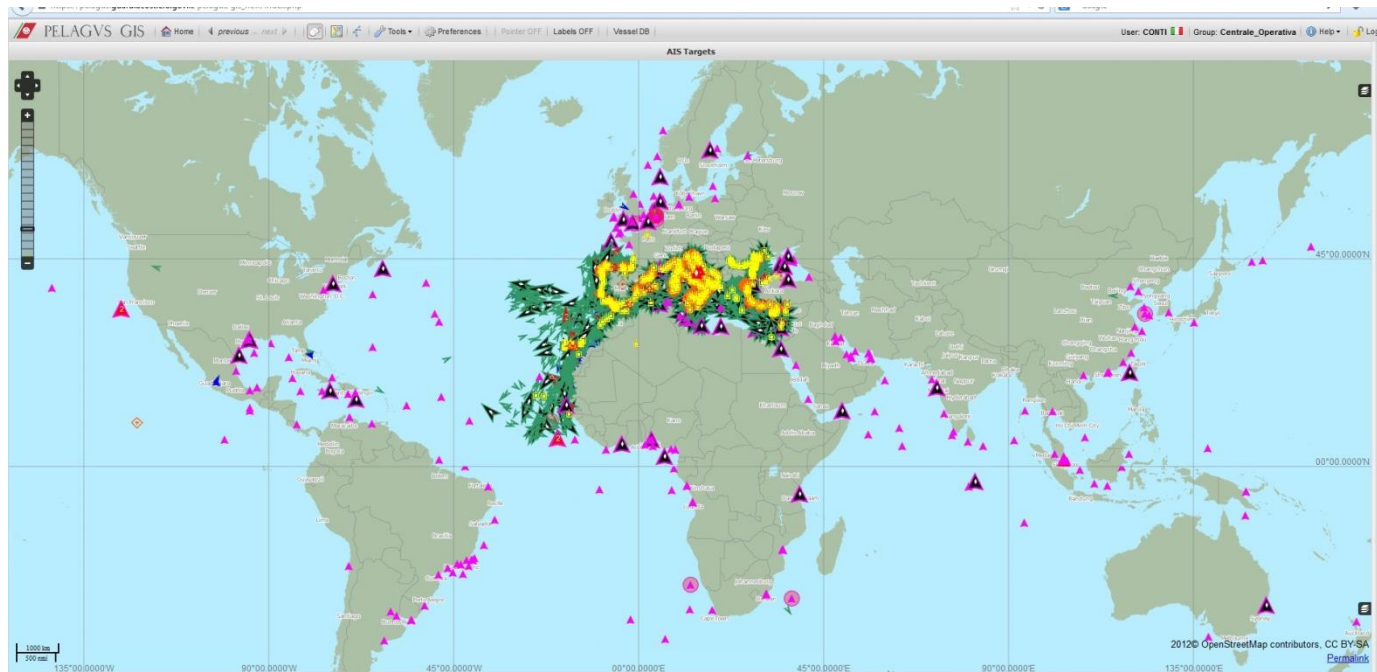


USUALLY NOT COVERAGE AREA BY AIS SYSTEM

CASE 2: DESCRIPTION

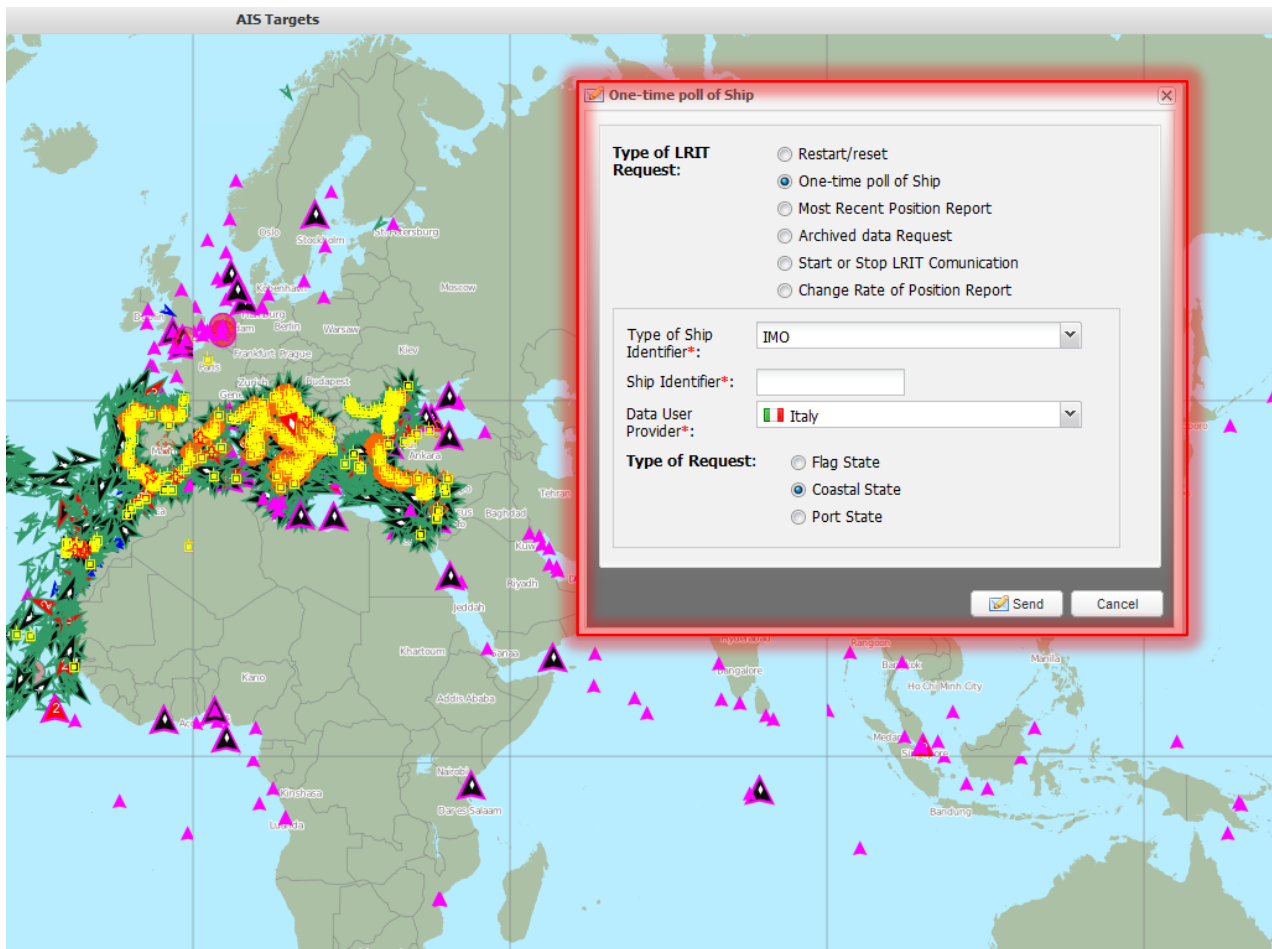
INTEGRATION EU LRIT DATA (DC XML INTERFACE) IN AIS-LRIT NATIONAL SYSTEM (PELAGUS)

ITALY INTEGRATED THE AIS VESSEL TRAFFIC MONITORING AND INFORMATION NATIONAL SYSTEM (PELAGUS) WITH LRIT XML INTERFACE DATA.



▲ LRIT DATA

CASE 2: DESCRIPTION



USING THE LRIT TOOL PELAGUS IS ABLE SEND LRIT REQUESTS USING "USER ROLE"

FLAG STATE;
COASTAL STATE;
PORT STATE.

NEXT DEVELOPMENT PLAN:
MANAGE REQUESTS MASK



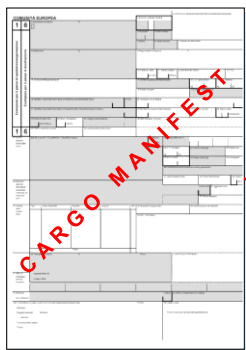
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CASE 3:DESCRIPTION

PRE-CLEARING TESTING PROCEDURE

- ITALY IS TESTING, IN GENOVA AND LA SPEZIA HARBOUR, A NEW PROCEDURE CALLED "PRE-CLEARING" TO IMPROVE THE MARITIME TRAFFIC EFFICIENCY IAW EU DIRECTIVE 2002/59 DIRECTIVE;
- THE CARGO MANIFEST IS CLOSED AT LEAST 24 BEFORE THE TIME OF ARRIVAL, ALLOWING THE CUSTOMS TO BEGIN THE RISK ASSESSMENT IN ADVANCE;
- THE RESULTS OF THE RISK ASSESSMENT ARE AVAILABLE AS SOON AS THE VESSEL IS AT THE BREAKWATERS;
- THE PROCEDURE IS REDUCING THE OVERALL CONTAINERS WAITING TIME.



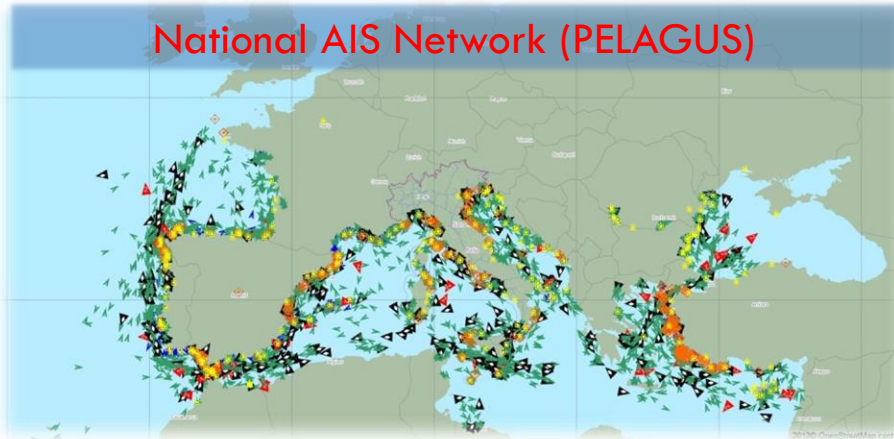
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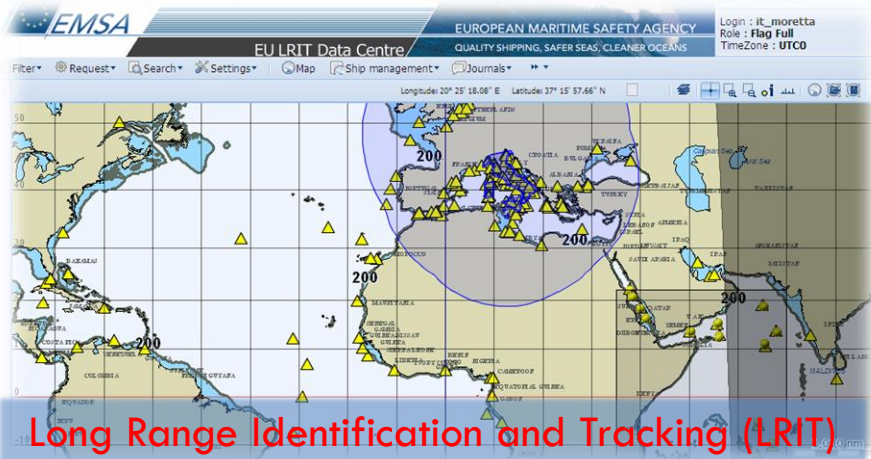
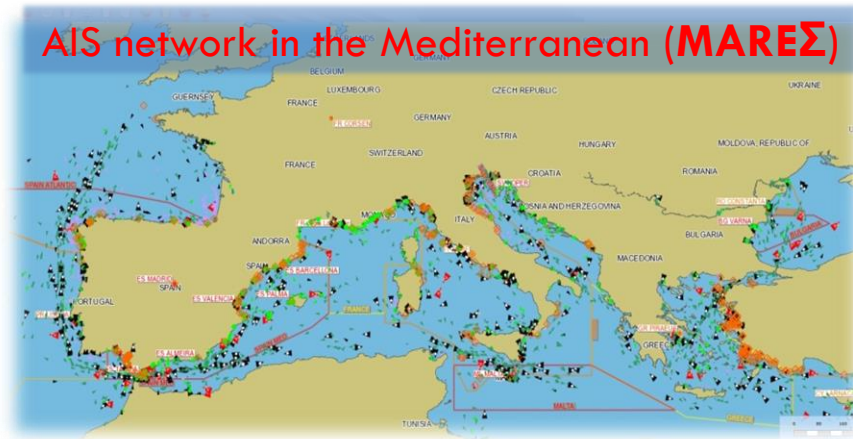
CASE 3: DESCRIPTION

THE SHIP IS MONITORED BY ICG THROUGH “AIS-LRIT NATIONAL SYSTEM” (PELAGUS) WITH DATA COMING FROM:

National AIS Network (PELAGUS)



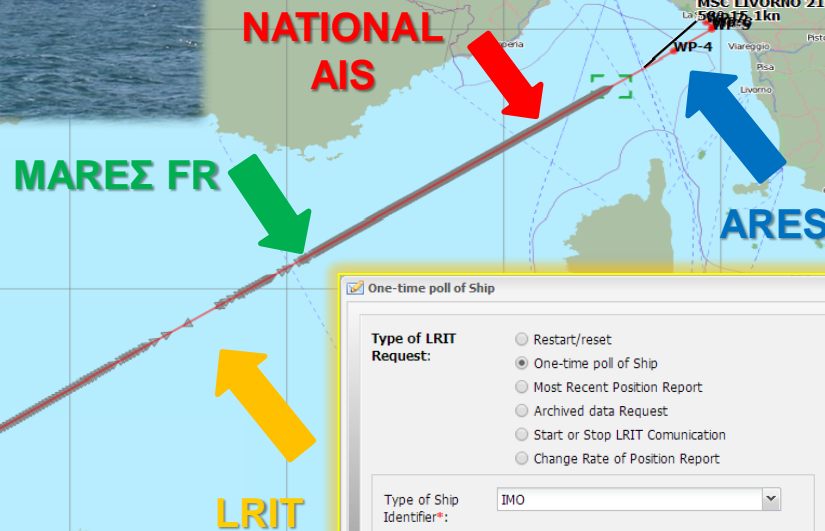
AIS network in the Mediterranean (MAREΣ)



CASE 3: DESCRIPTION

MSC LIVORNO:

Gross Tonnage: 153.000 tons
Loa: 366 mt
Destination: La Spezia
Cargo manifest early closure: 35 h
Container disembarked: 500 (345)



One-time poll of Ship

Type of LRIT Request:

- ☐ Restart/reset
- ☒ One-time poll of Ship
- ☐ Most Recent Position Report
- ☐ Archived data Request
- ☐ Start or Stop LRIT Communication
- ☐ Change Rate of Position Report

Type of Ship Identifier*: IMO

Ship Identifier*:

Data User Provider*:

Type of Request:

- ☐ Flag State
- ☒ Coastal State
- ☐ Port State

Send Cancel

Ship Information - MMSI: 218441000 - Live GIS

Base Station(s): MONTE_CAPANNE, MONTE_BIGNONE, LIVORNO_CP, ISOLA_GORGONA, F_CASTELLACCIO, FR, LA_CASTELLANA

Originator(s): laspezia (6), imperia (18), portoferraio (37), genova (16), livorno (21), MARES (3)

ARES VOYAGE DATA INFO

Voyage Status: ACTIVE

Dep. Country: Spain (ESP)

Dep. Port: VALENCIA

Dep. DT: 12 Mar 2014 12:00:00 UTC

Arr. Country: Italy (ITA)

Arr. Port: LA SPEZIA

Arr. DT: 13 Mar 2014 22:00:00 UTC

Average Speed: 15

Number of persons on board: 24

List of Passengers: -

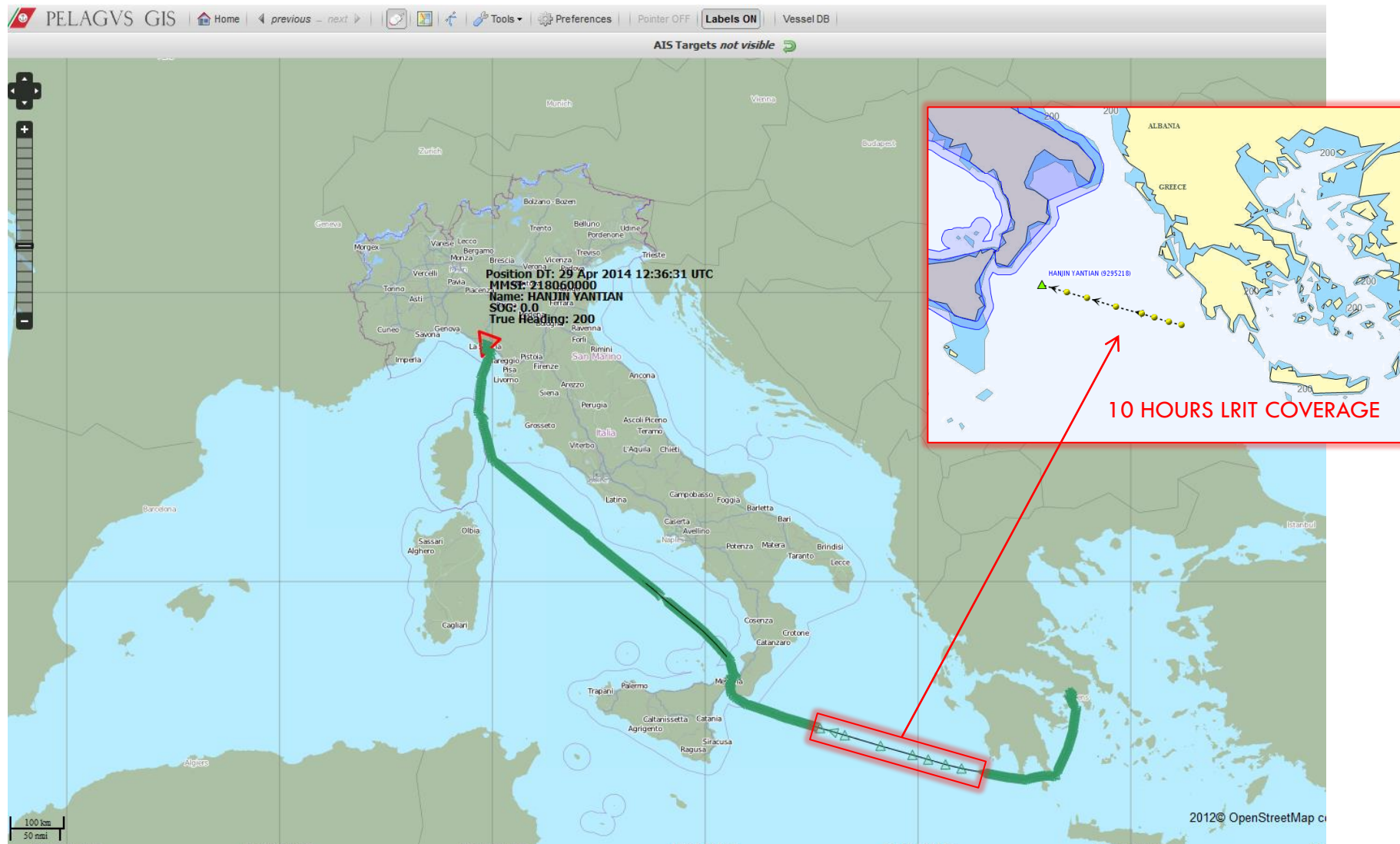
Waypoints: *Shown on Map*

- WP-1. 39°24.9'N - 000°17.0'E
- WP-2. 39°27.0'N - 000°14.0'E
- WP-3. 39°40.0'N - 000°50.0'E
- WP-4. 43°50.0'N - 009°34.0'E
- WP-5. 44°00.0'N - 009°55.0'E
- WP-6. 44°01.2'N - 009°55.4'E
- WP-7. 44°03.2'N - 009°51.8'E

Dangerous Goods: -

Voyage: 12 Mar 2014 06:14:23 UTC

CASE 3: DESCRIPTION



VESSEL TRACKING DURING PRE-CLEARING PROCEDURE – NATIONAL AIS AND LRIT SYSTEM



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CASE 3: DESCRIPTION

ISSUE FOUND DURING THE PRE-CLEARING PROCEDURE

1. SOME SHIPS - NO LRIT COMPLIANT

- NOT REGISTERED ON LRIT DC
- NOT REPORTING

2. ALL VESSEL PANAMA FLAG - NO RESPONSE TO REQUEST

- ONE TIME OF POLL OF SHIP AND CHANGE FREQUENCY RATE



ACTION TAKEN

- REPORTING IN THETIS A “P2” “UNEXPECTED FACTOR”, THE REASON “PROBLEM AFFECTING LRIT SYSTEM”.
- SINCE APRIL 2014 SHIPS INSPECTED BY PORT STATE CONTROL AUTHORITIES



THANK YOU FOR ATTENTION!



ITALIAN COAST GUARD HEADQUARTERS - ROME

9th LRIT NCA Meeting Lisbon, may 6th 2014



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