

Examples of the use of LRIT by GREECE

Lieutenant Jr Grade (T)
Zacharakopoulos Christos

Current users of the LRIT System

- During the past few months there has been extensive use of the LRIT System, which is attributed to the increased familiarization with the UWI and the acknowledgement of the benefits of the maritime awareness it provides.
- Current users of the System are the Joint Rescue Coordination Center of Piraeus, the HCG Operations Center, the SSN 24/7 service, the HCG Security Directorate and the HCG Safety of Navigation Directorate.

General examples of LRIT usage so far

- Search and Rescue
- Illegal or suspicious activities
- Verification of vessels' movements worldwide
- Correlation with other sources (e.g. AIS, VTS)
- Special life-threatening events and conditions (e.g. natural disasters)
- Marine pollution

The crisis in Egypt

The recent events in Egypt raised the need to monitor the movements of Greek flagged vessels in the area. Daily reports of vessels present in the area were compiled and forwarded to the related directorates of HCG.



The crisis in Egypt

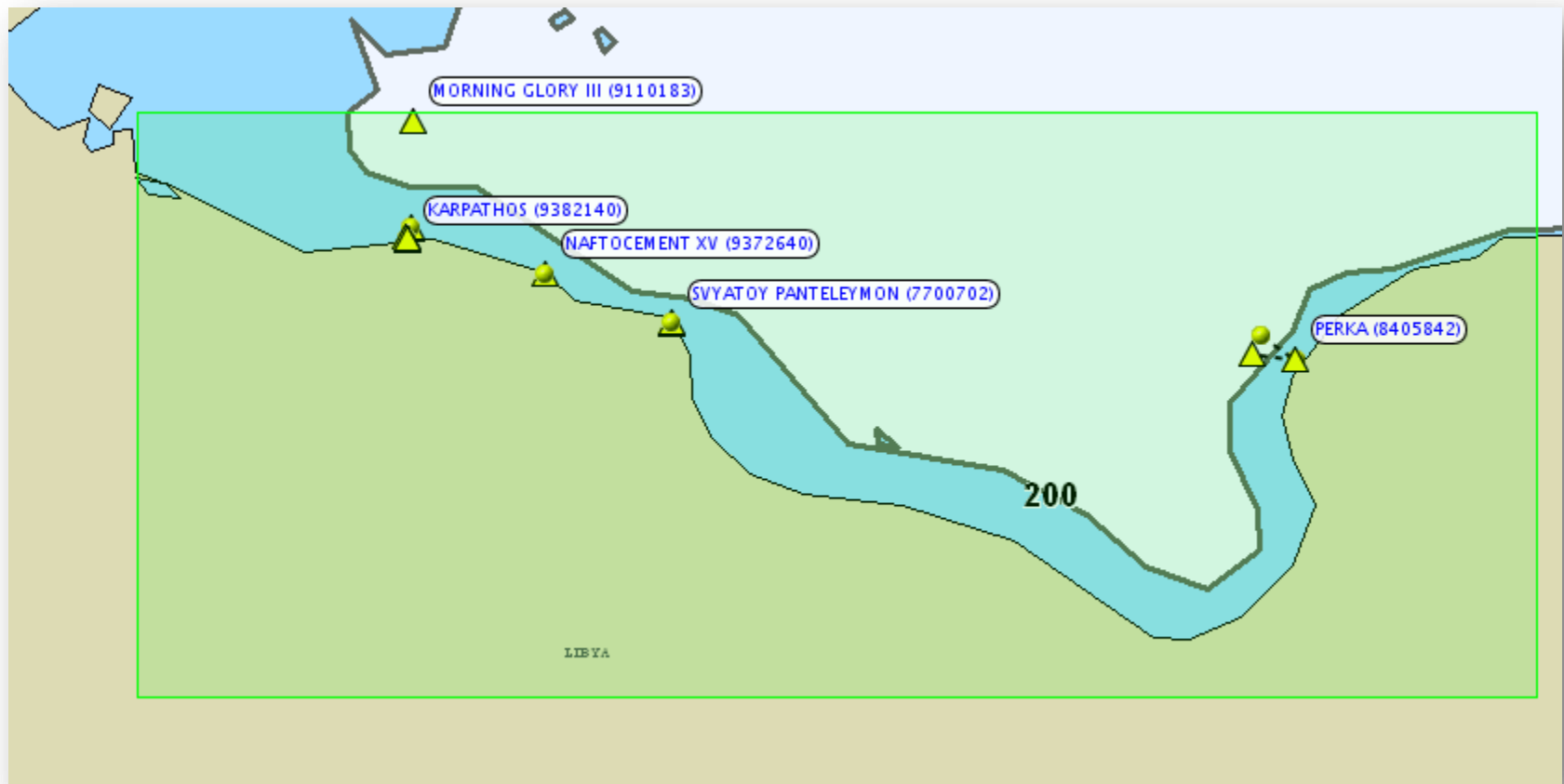
IMO	Ship Name	MMSI	Flag	Latitude	Longitude	Date
8620583	HARMONY V	240937000	GRC	29°23.78' N	34°55.42' E	31/01/2011 08:55:09
9244934	MAERSK KINGSTON	237862000	GRC	30°17.83' N	32°25.16' E	31/01/2011 09:02:00
8737879	ALFA XII	240795000	GRC	21°43.82' N	39°06.7' E	31/01/2011 08:41:34
9350599	MARAN GAS VERGINA	240740000	GRC	27°22.64' N	35°10.36' E	31/01/2011 05:48:00
9278557	AQUABREEZE	240078000	GRC	31°14.16' N	29°41.96' E	31/01/2011 05:32:00
9141998	CHRYSOULA S	237878000	GRC	31°11.04' N	29°52.52' E	31/01/2011 08:52:00
9391311	KRITI JADE	240942000	GRC	30°58.56' N	28°52.16' E	31/01/2011 05:02:00
7432082	AEGIS	240896000	GRC	31°11.24' N	29°51.36' E	31/01/2011 04:16:00
9189861	KAVO SAPPHIRE	239645000	GRC	31°15.16' N	32°18.24' E	31/01/2011 06:32:00
9221865	ALPHA HARMONY	239938000	GRC	31°08.5' N	29°48.12' E	31/01/2011 04:48:04

The crisis in Egypt



The uprising in Libya

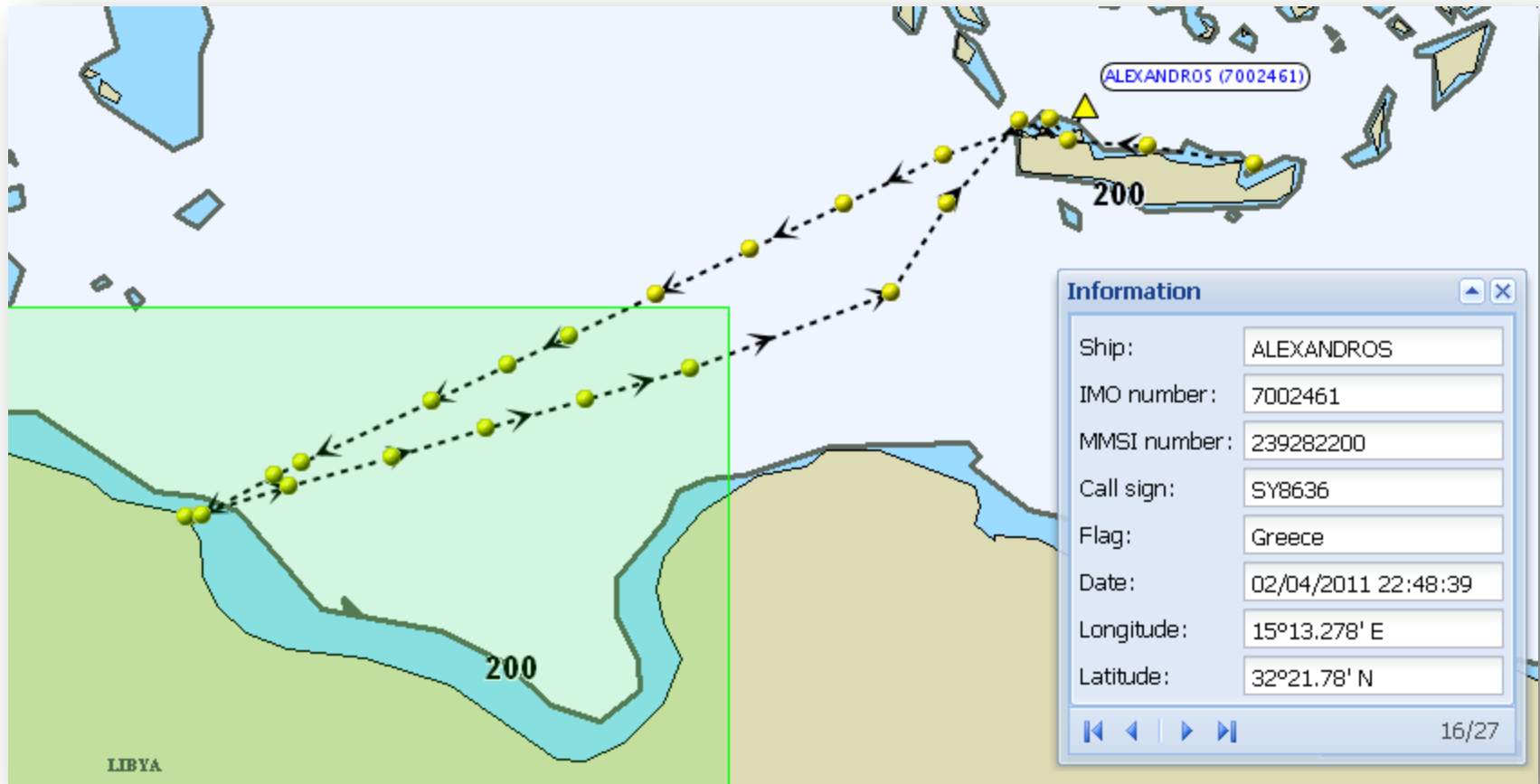
The recent uprising in Libya also made the monitoring of Greek flagged vessels (and sometimes Greek-owned vessels) in the area imperative. Several Greek vessels were chartered to transport civilians and humanitarian aid to and from the major ports of Libya. The screenshot below shows vessels present in the area on 15/03/2011 :



Libya – The case of “EL.VENIZELOS”



Libya – The case of “ALEXANDROS”



Libya – The case of “LISSOS”



Libya – The case of “LISSOS”



Japan (11-03-2011)

- The 8.9 magnitude earthquake and the subsequent tsunami that struck the shores of Japan, created a lot of concern in the Greek maritime community.
- This concern was maximized by the fact that during the first few hours after the events, all communications were disrupted, therefore making it extremely difficult to obtain a detailed report on the well-being of Greek seafarers.
- The use of the LRIT system provided a list of vessels navigating in the area, after which the satellite communication with each one was a secure and immediate way to validate the safety of all parties affected.

Japan (11-03-2011)

Vessels' Names (11-03-2011)	
AETOS	MAERSK KALAMATA
ALPHA HAPPINESS	MAERSK KURE
ANGELIC GLORY	MARIA A. ANGELICOUSI
ANGELIC PEACE	MARIVICTORIA
ANNA	MARVELOUS
ANTONIS ANGELICOUSSIS	NIKOLAOS A.
ARIADNE	OAKLAND EXPRESS
AVRA	OINOUSSIAN LION
CIC CAPTAIN VENIAMIS	OXYGEN
CIC PIRAEUS	PANOCANIS
COROSSOL	PITSA D.
COSTA ILIOS	SAMJOHN LIBERTY
DIMITRIS L	SD PROGRESS
FLAG TOM	SINGAPORE EXPRESS
IRENES RELIANCE	STRESA

The case of “AEGEAN ANGEL”

- On 30-12-2010 a tragic accident at sea resulted in the death of 2 Greek seafarers and the serious injury of a Cypriot.
- The vessel was sailing in Mid-Atlantic, 800 miles from the coast of Bermuda, making a medevac practically impossible.
- The vessel was continuously monitored by the HCG RCC, until it reached closer to the shore and eventually a medevac was successfully performed by the USCG.

The case of “AEGEAN ANGEL”



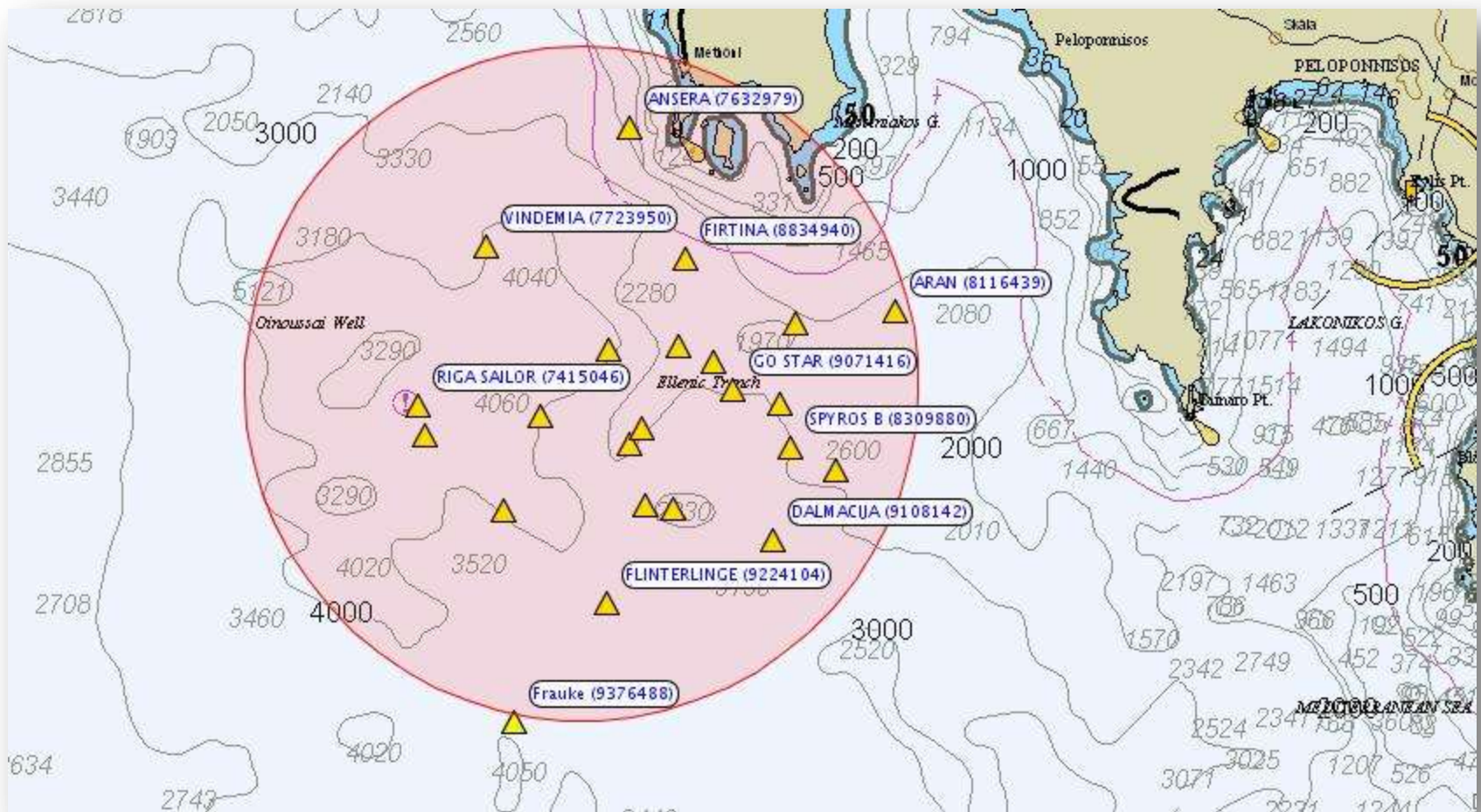
Capsized sailing boat

- On the 23rd of April, the captain of Norwegian-flagged M/V “TIRRANNA” reported the sighting of a capsized sailing boat south of Pylos.
- Shortly after, all nearby vessels were identified through both AIS and LRIT and were notified of the event. Four of them were re-routed to the site, along with HCG patrol boats and rescue helicopters.

Capsized sailing boat



Capsized sailing boat (closer look)



Attempted piracy of “AEGEA”

- On 04-03 the JRCC Piraeus received a report from the above vessel, regarding an attempted piracy, 300 n.m. east of the coast of Oman. Fortunately, the vessel was not boarded, however it received minor damage from RPG rockets fired from the pirates. One of these explosive rockets landed on the deck and did not go off, posing a potential hazard for the ship's crew.
- The ship was constantly being monitored and provided instructions, until a specialized team from the Indian Navy neutralized the threat.

Piracy of “ANWAAR AFRIQYA”

- On 16-03 the JRCC Piraeus received a report from the ICC-IMB (Piracy Reporting Centre) Kuala Lumpur, regarding the piracy of the vessel above (under Libyan flag), 170 miles west of the island of Crete (SRR Malta).
- All necessary actions were made and parties involved notified (including MRCC Malta).

Thank you for your attention

Questions