

ANNEX A

ISSUE OF MARITIME SAFETY INFORMATION (Navigational Warnings, SAR Information and Meteorological Information)

A) TRANSMISSIONS VIA RADIO (HF BAND) – BRAZILIAN NAVY'S RADIO STATION IN RIO DE JANEIRO				
SERVICES	SCHEDULES (DAILY)	CHANNELS (*)	FREQUENCIES	CONTENTS
NAVIGATIONAL WARNINGS AND SAR INFORMATION	0400-0445Z	RI	4.266,0 KHz (on demand of mariner) 6.448,0 KHz 8.580,0 KHz	- NAVAREA, Coastal Warnings, except those already published in Notices to Mariners, and SAR Information (Portuguese/English) - Local Warnings, except those already published in Notices to Mariners, and SAR information (Portuguese).
	1430-1530Z	RD		
	2130-2215Z	RI		
METEOROLOGICAL BULLETINS	0230-0330Z	RD	12.709,0 KHz 16.974,0 KHz	- Meteorological Forecasts (Portuguese/English) - Meteorological Warnings (Portuguese/English)
	0600-0730Z	RI		
	1845-1930Z			
METEOROLOGICAL CHARTS	0745-0925Z	RS	12.665,0 KHz 16.978,0 KHz	- Analysis of atmospheric pressure on surface - Height and direction of waves - Wind at 10m above surface - Sea surface temperature
	1630-1810Z			
B) TRANSMISSIONS VIA RÁDIO (VHF E HF BANDS) – COASTAL STATIONS NATIONAL NET (RENEC) OF EMBRATEL				
SERVICES	SCHEDULES	CHANNELS (*)	FREQUENCIES	CONTENTS
METEOROLOGICAL BULLETINS, NAVIGATIONAL WARNINGS AND SAR INFORMATION	on demand of mariner	RL	HF: 4.125,0 KHz	- Meteorological Forecast - Meteorological Warnings - NAVAREA, Coastal and Local Warnings
METEOROLOGICAL WARNINGS, NAVIGATIONAL WARNINGS AND SAR INFORMATION	as necessary		VHF: 156,8 MHz (16) and traffic channels.	- Meteorological Warnings - Urgent NAVAREA, Coastal and Local Warnings
C) TRANSMISSIONS VIA SATÉLITE (INMARSAT-C) – TANGUÁ RADIO STATION OF EMBRATEL				
SERVICES	SCHEDULES (DAILY)	SATELLITE	CONTENTS	
NAVIGATIONAL WARNINGS AND SAR INFORMATION	0400Z e 1230Z Or as necessary	East Atlantic (AOR-E)	- SAR Information (English) - NAVAREA and Coastal Warnings (English), except those already published in Notices to Mariners.	
METEOROLOGICAL BULLETINS	0730Z e 1930Z or as necessary		- Meteorological Forecasts (English) - Meteorological Warnings (English)	
D) INTERNET				
SERVICES	Sites and links		CONTENTS	
NAVIGATIONAL WARNINGS AND SAR INFORMATION	www.mar.mil.br/dhn/chm/avqantes/avqante.htm (choose the link of region of interest)		NAVAREA, Coastal and Local Warnings (Portuguese)	
	www.mar.mil.br/dhn/chm/avqantes/english/index.htm (choose the link of region of interest)		NAVAREA and Coastal Warnings (English)	
NOTICES TO MARINERS (**)	www.mar.mil.br/dhn/chm/avqantes/folheto/pdf.htm (choose the link of NT of interest)		- In Section II of NT: NAVAREA, Coastal and Local Warnings (Portuguese) in force more than 6 weeks.	
	www.mar.mil.br/dhn/chm/avqantes/english/pdfing.htm (choose the link of NT of interest)		- In Section VII of NT: NAVAREA and Coastal Warnings (English) in force more than 6 weeks.	
METEOROLOGICAL BULLETINS	www.mar.mil.br/dhn/chm/meteo/index.htm (choose the link "meteoromarinha" – in Portuguese) www.mar.mil.br/dhn/chm/meteo/indexing.htm (choose the link "bulletins" – in English)		- Meteorological Forecasts (Portuguese/English) - Meteorological Warnings (Portuguese/English)	
METEOROLOGICAL WARNINGS	www.mar.mil.br/dhn/chm/meteo/index.htm (choose the link "avisos de mau tempo" – in Portuguese) www.mar.mil.br/dhn/chm/meteo/indexing.htm (choose the link "severe weather warnings" – in English)		- Meteorological Warnings (Portuguese/English)	
METEOROLOGICAL CHARTS	www.mar.mil.br/dhn/chm/meteo/index.htm (choose the link "cartas sinóticas" – in Portuguese) (choose the link "previsão numérica" – in Portuguese) www.mar.mil.br/dhn/chm/meteo/indexing.htm (choose the link "synoptic charts" – in English) (choose the link "numerical predictions" – in English)		- Analysis of atmospheric pressure on surface and other products.	

(*) RI: Radio-telex; RD: Radio Data; RS: Radio facsimile; RL: Radiotelephone.

(**)SAR (search and rescue) Information and Navigational Warnings related to gunnery area interdiction, tows, derelicts, boat races, movement of vessels in maritime surveys and other brief activities are not present in sections II and VII of Notices to Mariners.

Map with NAVAREA/METARIA V and their respective inside areas.

