

# SAN HYDROGRAPHIC OFFICE NATIONAL REPORT

to the

10th SAIHC CONFERENCE

17 -18 SEPTEMBER 2013

(PORTUGAL)

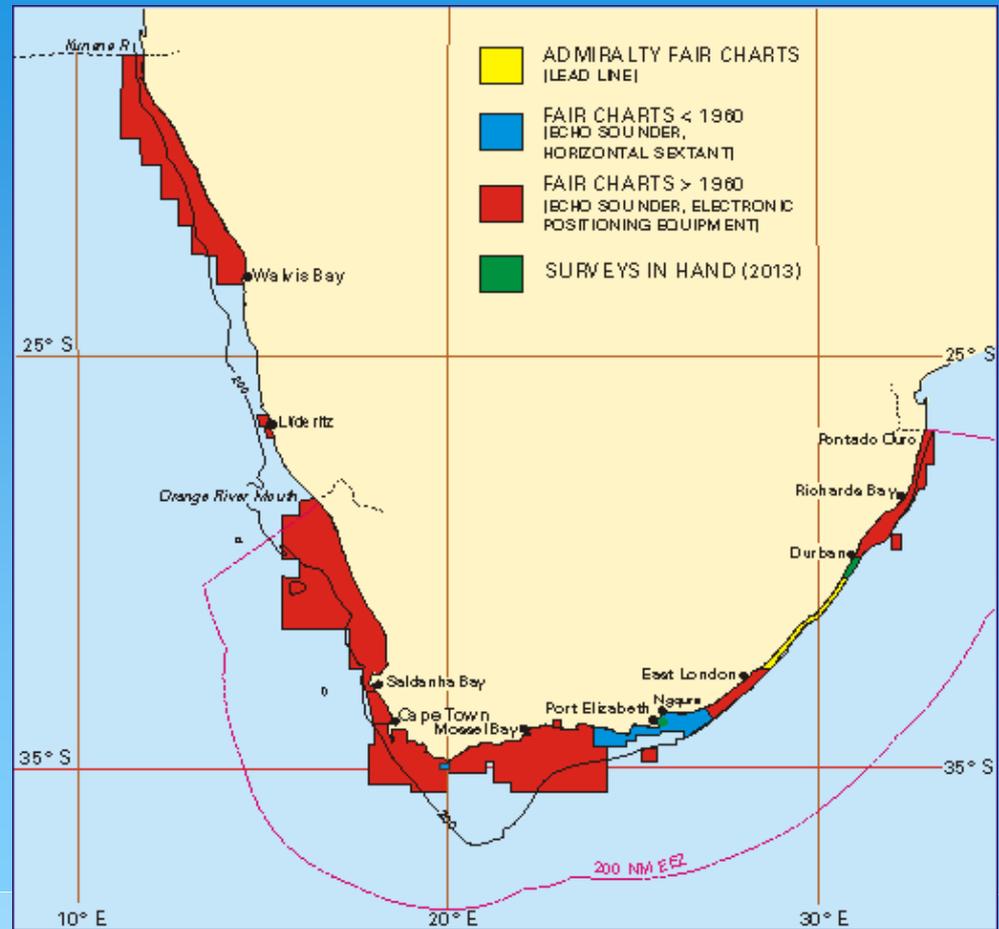


# STATUS OF SURVEYING

*Approaches to Durban*

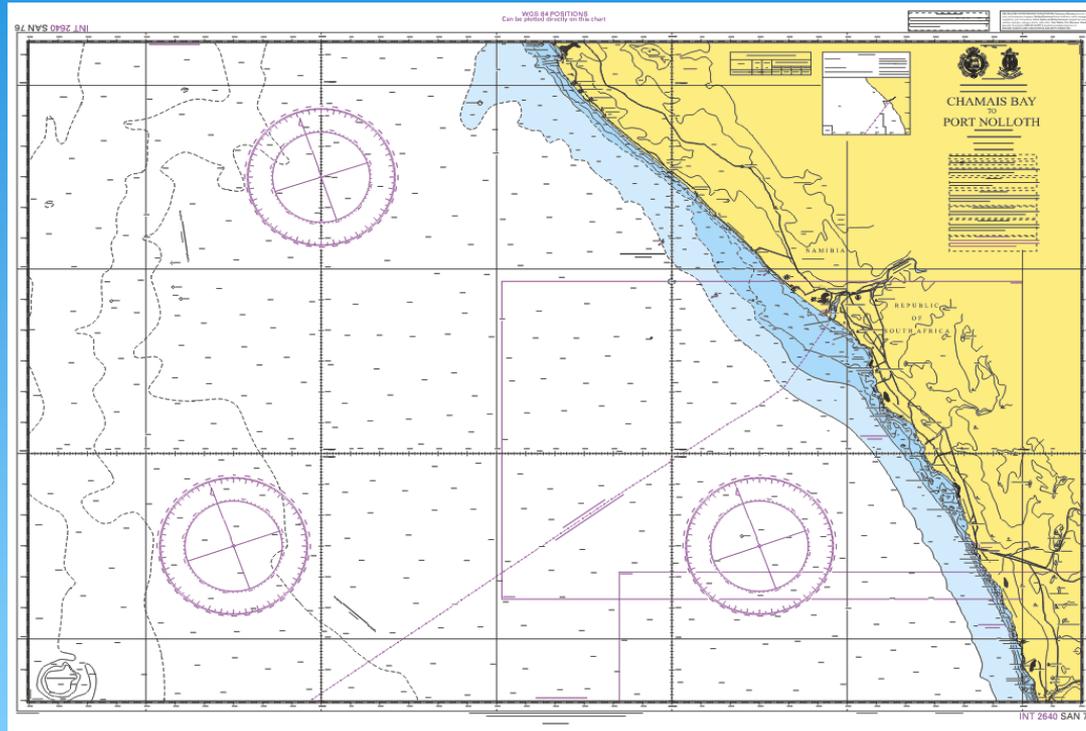
*Approaches to Port Elizabeth*

*(multibeam)*



# INT PAPER CHARTING

## Summary of Achievements since SAIHC 9 Meeting

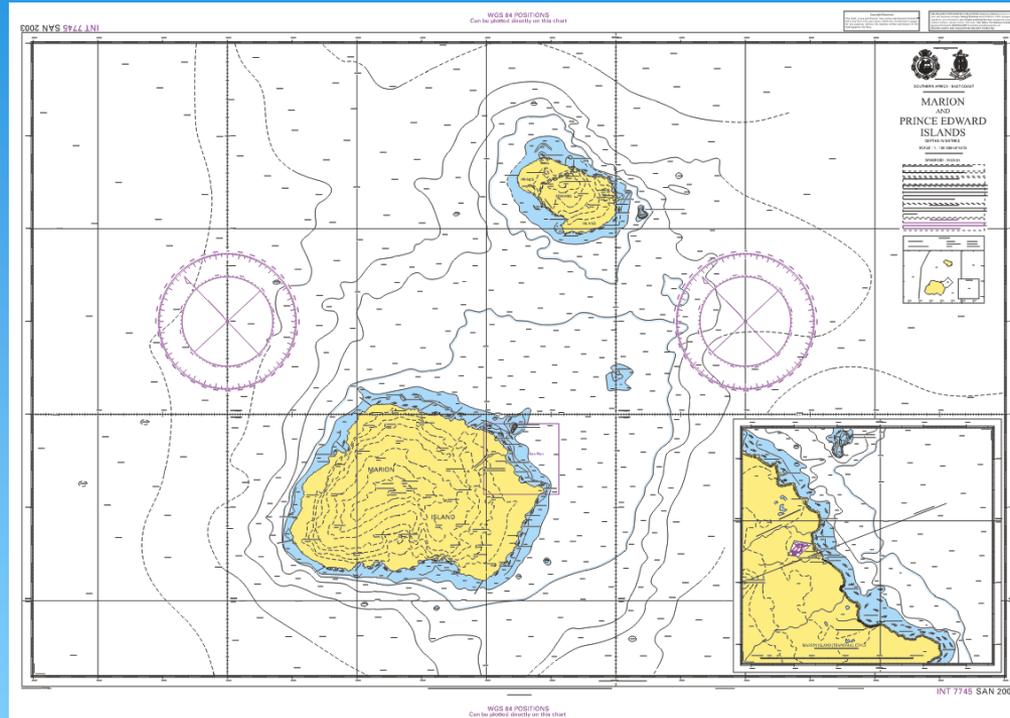


Publication of new edition of INT 2640-SAN 76 in August 2013



# INT PAPER CHARTING

## Summary of Achievements since SAIHC 9 Meeting



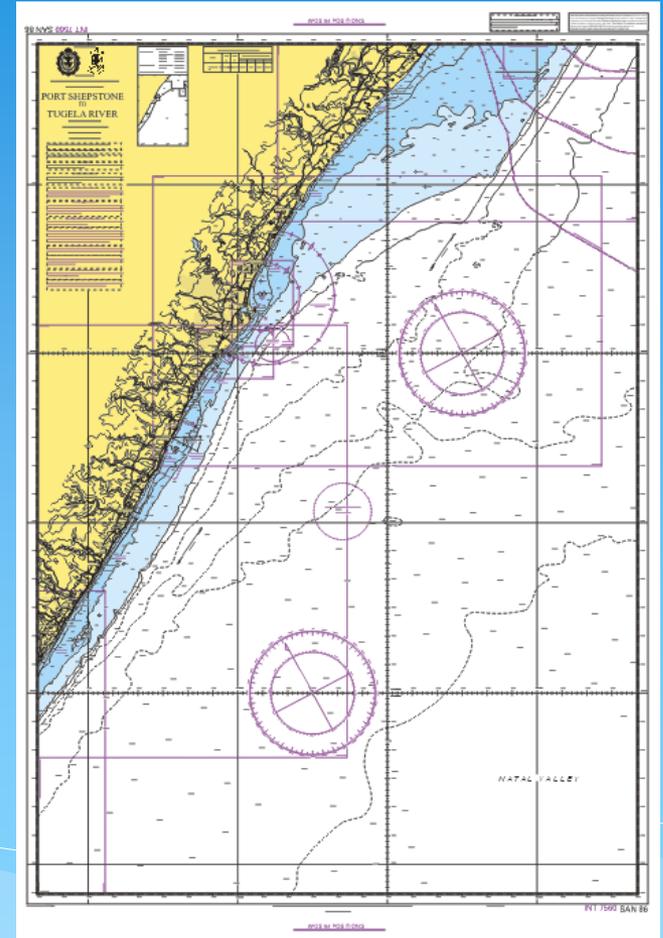
Publication of new chart INT 7745- SAN 2003 in July 2013



# INT PAPER CHARTING

## Summary of Achievements since SAIHC 9 Meeting

Publication of new chart  
INT 7560-SAN 86  
in May 2013

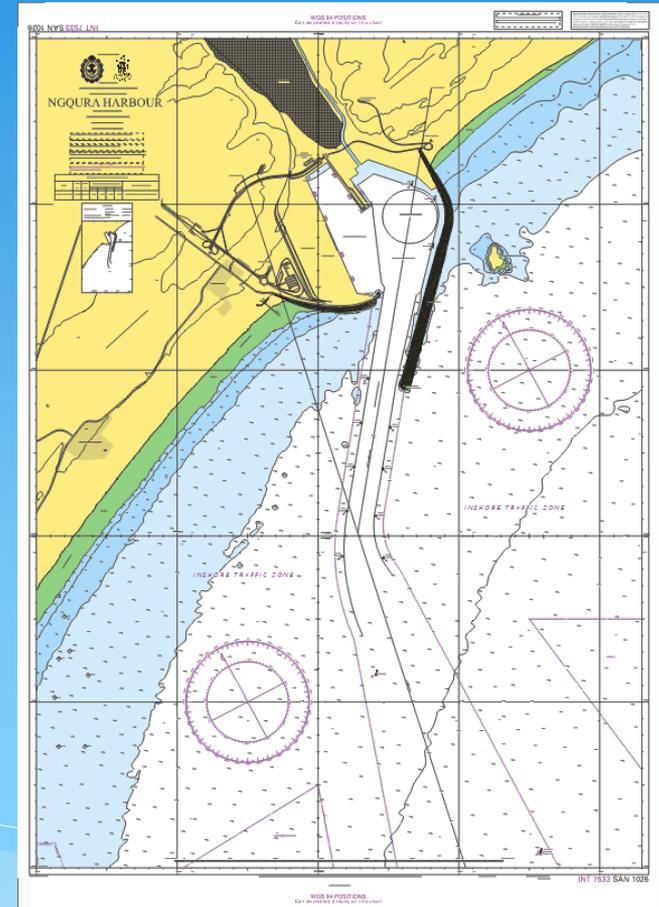


# INT PAPER CHARTING - SINCE SAIHC 9

Publication of new edition of  
INT 7533-SAN 1026  
in Nov 2012

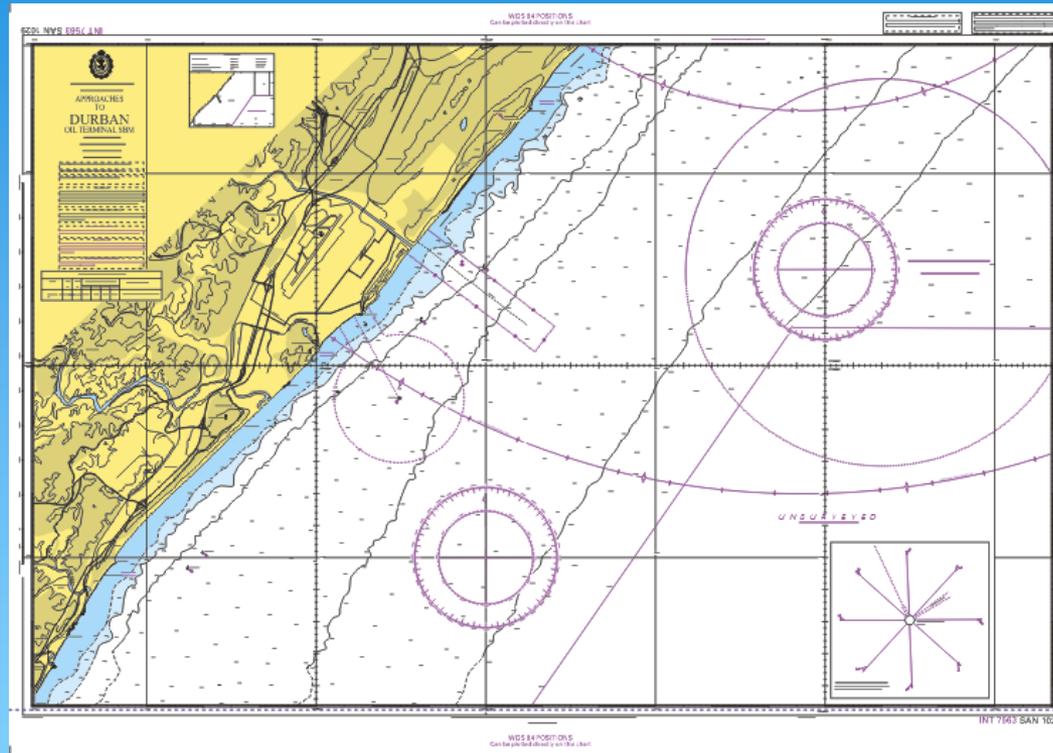


Ngqura Harbour



# INT PAPER CHARTING IN PROGRESS

New INT chart - INT563-SAN 1029

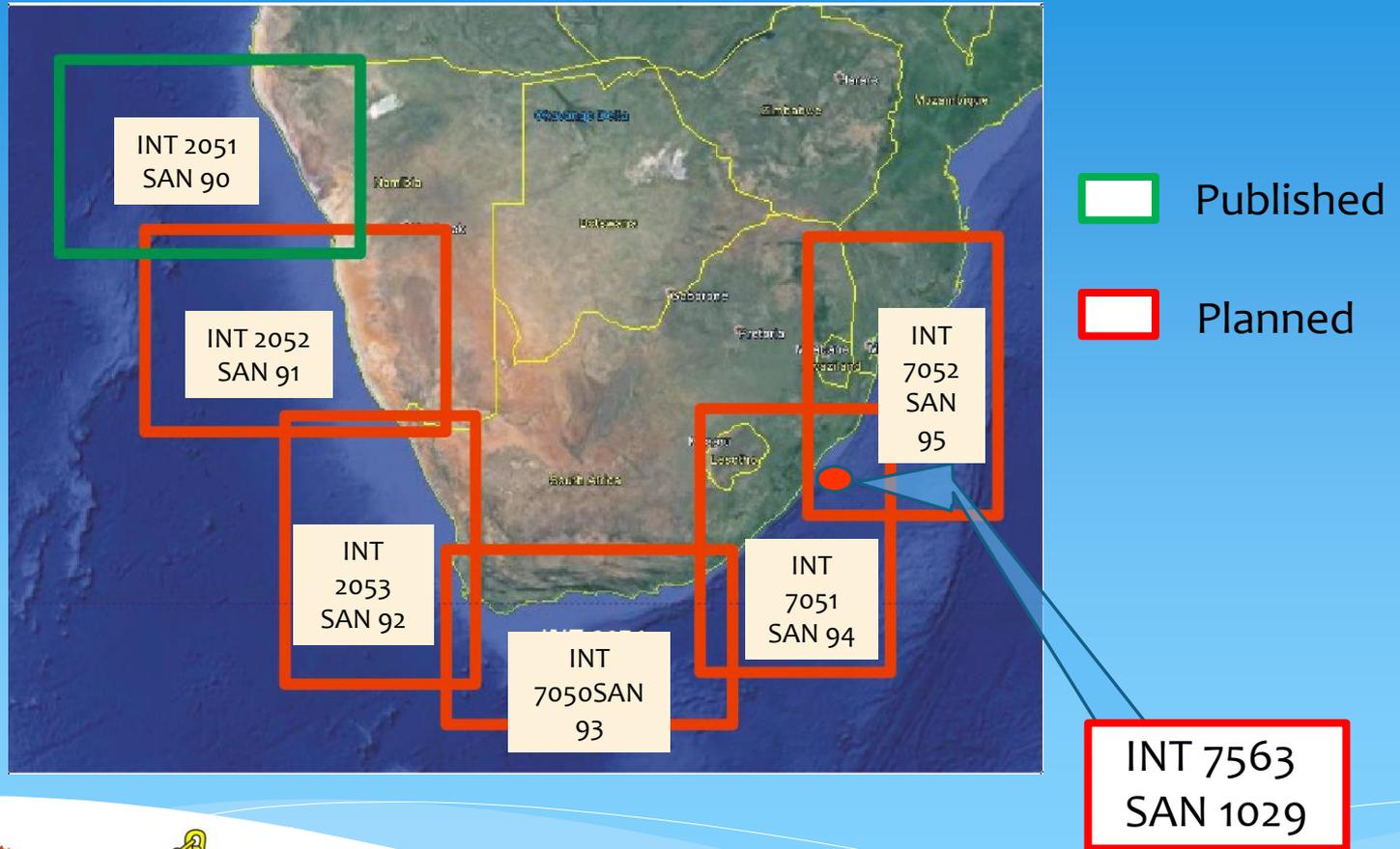


Awaiting multibeam survey from SAS Protea to complete the waterwork.



# INT CHARTING – ZA OUTSTANDING CHARTS

39 (87%) INT Charts Published as at 2103



# SUMMARY of INT AND NATIONAL PAPER CHARTING

## A. NAVIGATIONAL CHARTS MAINTAINED BY NOTICES

<b>INT CHARTS (39 in total)</b>	Small Scale (1: 600T >)	3
	Medium Scale (100T- 300T)	17
	Large Scale (<100T)	18
	Islands and Antarctica	1
<b>NATIONAL CHARTS (21 in total)</b>	Small Scale (>1: 600T)	5
	Medium Scale (100T- 300T)	1
	Large Scale (<100T)	3
	Small Craft	6
	PEXA	4
	Islands and Antarctica	2

## B. OTHER CHARTS NOT MAINTAINED BY NOTICES

Plotting Sheets	20
Small Craft	6
Inland Dams	2
PEXA charts	3
Training	1
Information	1

## C. PLANNED CHARTS

INT Small Scale	5
INT Large Scale	1
Inland Waters	2
Small craft	1



TOTAL PUBLISHED CHARTS : 93 (91.2%)

TOTAL ENVISAGED CHARTS : 102

# ENC CHARTING – CURRENT STATUS

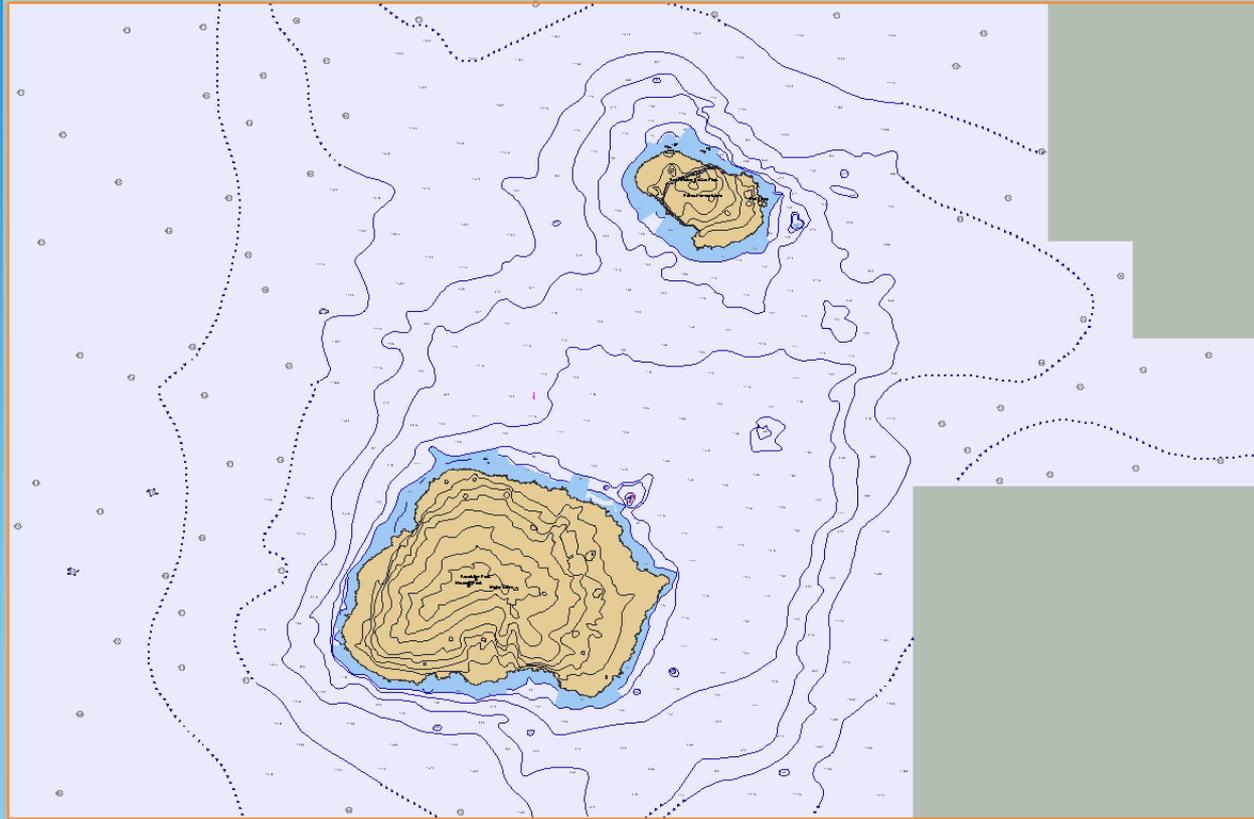
Usage Band	Total Planned	Total Produced	% Coverage Available
Overview	5	5	100
General	9	9	100
Coastal	19	19	100
Approaches	13	12	92.3
Harbour	11	11	100
Berthing	0	0	0
<b>Total</b>	<b>57</b>	<b>56</b>	<b>98.3%</b>

The remaining ENC **ZA400200** *Marion Island – Transvaal Cove* is scheduled for publication in November 2013.



# ENC CHARTING –SINCE SAIHC 9

New ENC ZA300200 *Marion and Prince Edward Islands*



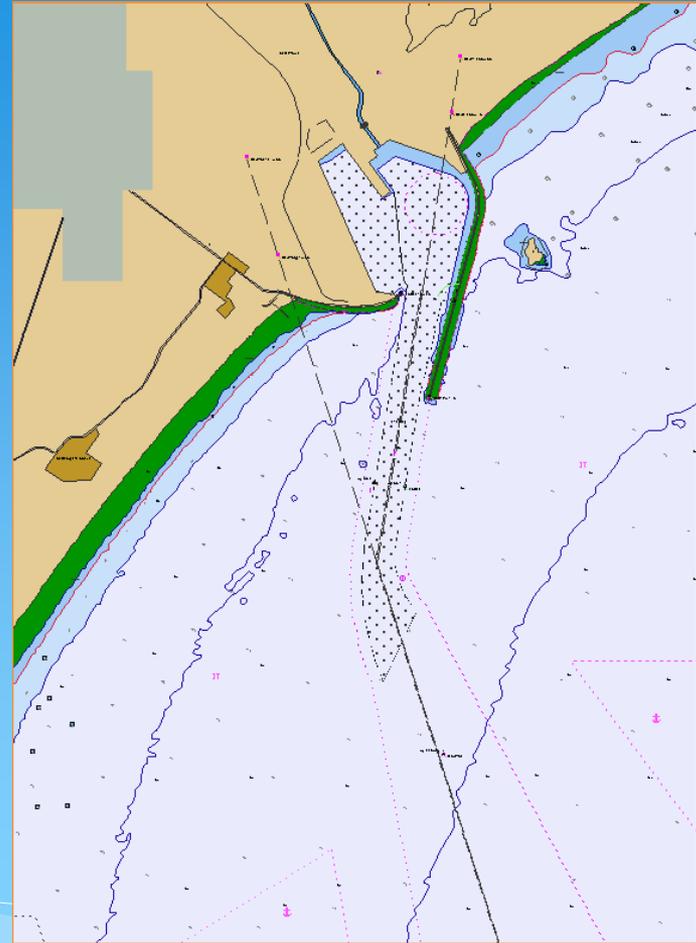
Published in Aug 2013.



# ENC CHARTING - SINCE SAIHC 9

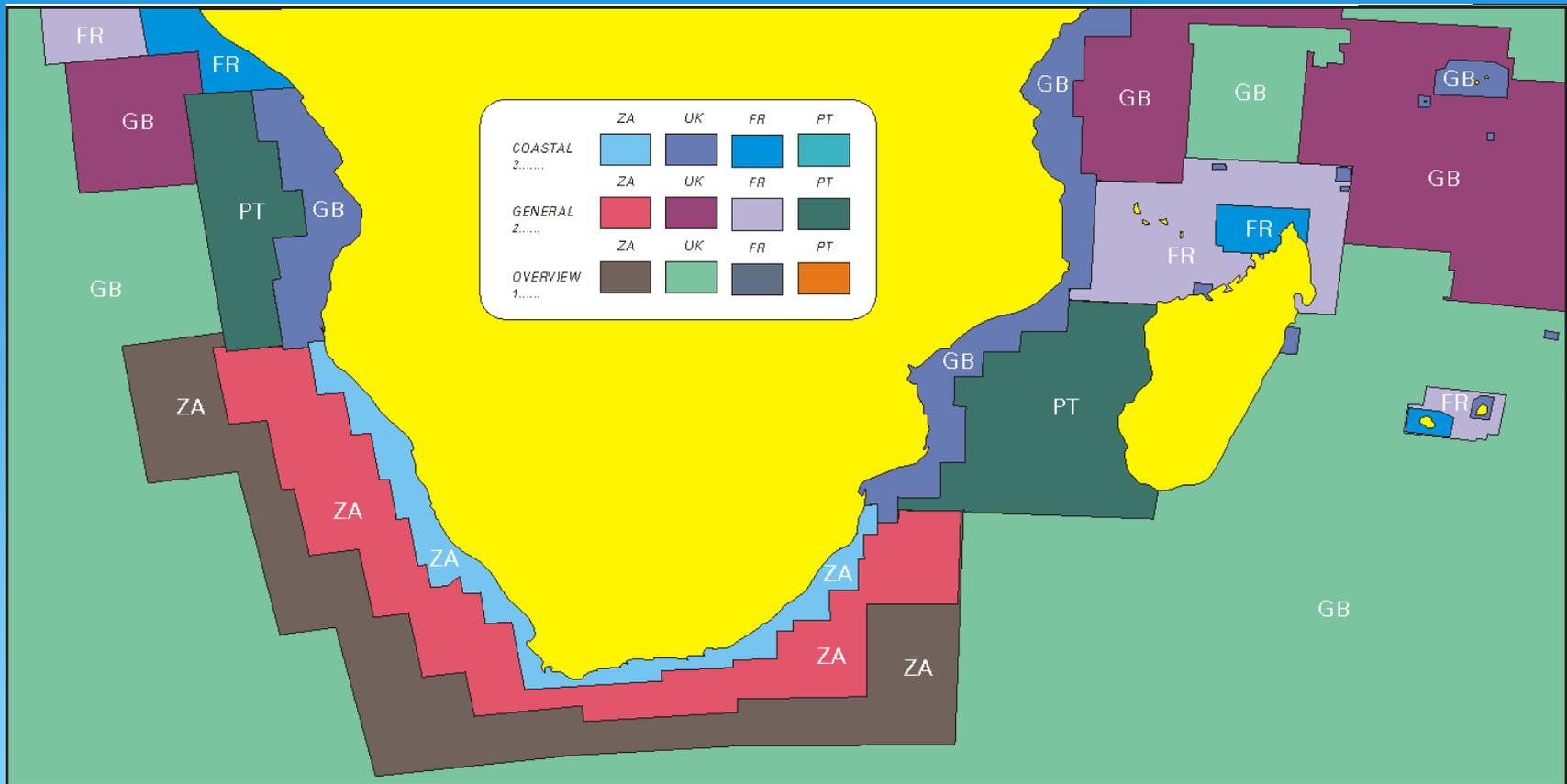
New edition of  
ENC ZA500125  
*Ngqura Harbour*

*Published in April 2013.*



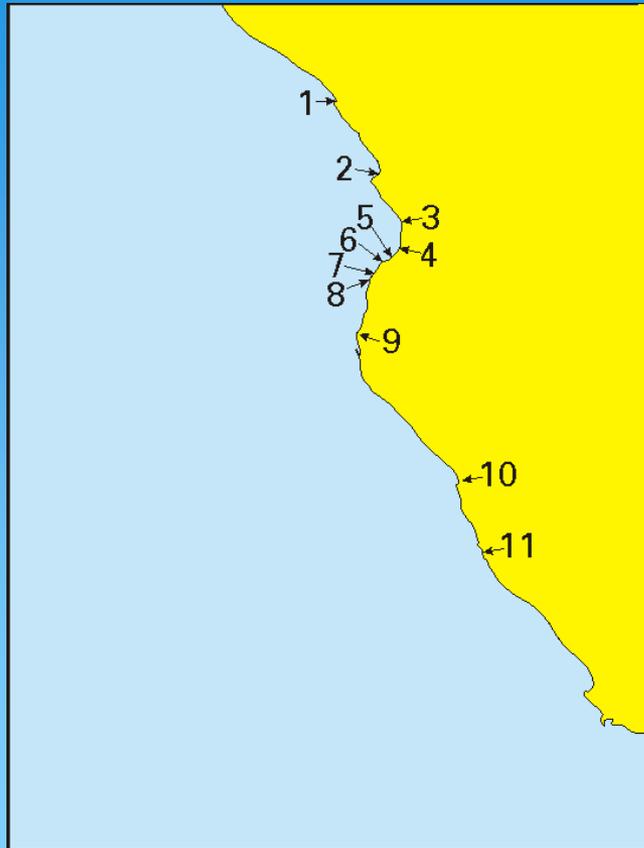
# ENC CHARTING – CURRENT REGIONAL STATUS

Coastal, General and Overview Coverage as at Sep 2013



# ENC CHARTING – CURRENT REGIONAL STATUS

## Harbour and Approaches Coverage as at Sep 2013



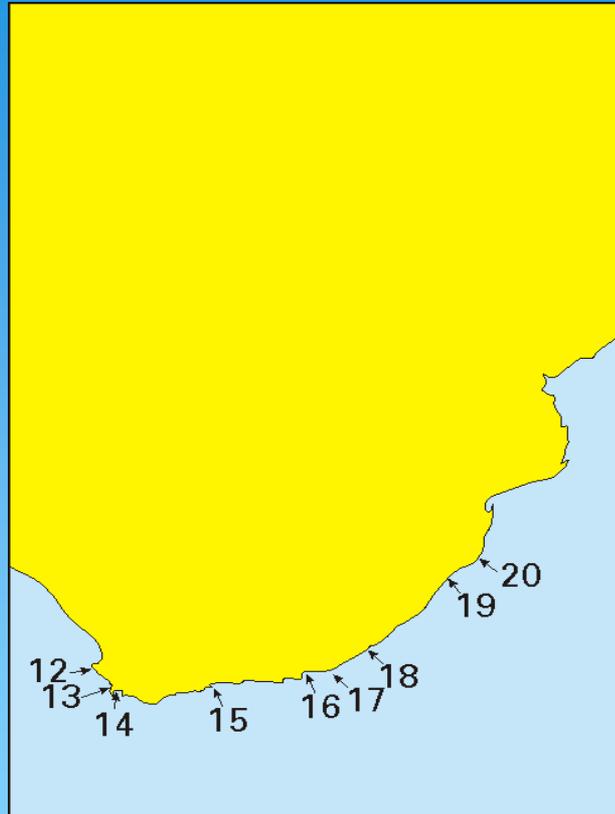
- |    |           |  |
|----|-----------|--|
| 1  | GB400658  | Angola and Congo (Democratic Republic) - Entrance to River Congo |
|    | GB400657  | Ponta da Cafumbila to Matadi                                     |
|    | GB500659  | Angola - Port of Soyo and Approaches                             |
| 2  | GB43448F  | Africa- West Coast- Angola- Porto de Luanda                      |
| 3  | GB41215D  | Africa - West Coast - Angola - Porto Amboim                      |
| 4  | GB41215G  | Africa - West Coast - Angola - Gunza-Kabolo (Novo Redondo)       |
| 5  | GB41215 C | Africa - West Coast - Angola - Baia Farta                        |
| 6  | GB41215F  | Africa - West Coast Angola Baia de Santa Maria                   |
| 7  | GB41215H  | Africa - West Coast - Angola - Enseada do Cuio                   |
| 8  | GB41215A  | Africa - West Coast - Angola - Baia de Santa Marta               |
| 9  | GB41215B  | Africa - West Coast - Angola - Porto Alexandre                   |
| 10 | ZA4N0010  | Approaches to Walvis Bay   |
|    | ZA5N0010  | Walvis Bay Harbour   |
| 11 | ZA5N0020  | Lüderitz Harbour   |
|    | ZA4N0020  | Approaches to Lüderitz   |



GB 11 ENCs ZA 4 ENCs

# ENC CHARTING – CURRENT REGIONAL STATUS

## Harbour and Approaches Coverage as at Sep 2013



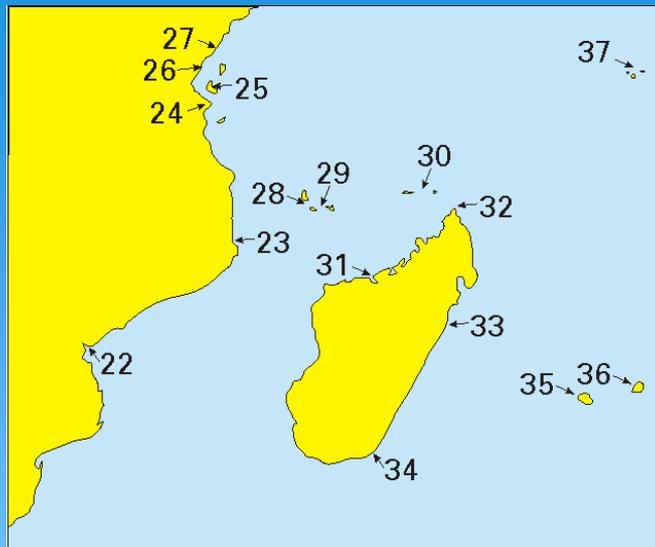
- |    |          |                              |
|----|----------|------------------------------|
| 12 | ZA500040 | Saldanha Bay                 |
|    | ZA400040 | Approaches to Saldanha Bay   |
| 13 | ZA500050 | Table Bay                    |
|    | ZA400050 | Approaches to Table Bay      |
| 14 | ZA500080 | Simon's Bay                  |
|    | ZA400070 | False Bay                    |
| 15 | ZA500090 | Mosselbaai Harbour           |
|    | ZA400090 | Mosselbaai                   |
| 16 | ZA500120 | Port Elizabeth Harbour       |
|    | ZA400120 | Approaches to Port Elizabeth |
|    | ZA500125 | Ngqura Harbour               |
| 17 | ZA400130 | Bird Island Passage          |
| 18 | ZA500140 | East London Harbour          |
|    | ZA400140 | Approaches to East London    |
| 19 | ZA400150 | Durban Oil Terminal SMB      |
|    | ZA500160 | Durban Harbour               |
|    | ZA400160 | Approaches to Durban         |
| 20 | ZA500170 | Richards Bay Harbour         |
|    | ZA400170 | Approaches to Richards Bay   |

**ZA** 19 ENCs



# ENC CHARTING – CURRENT REGIONAL STATUS

## Harbour and Approaches Coverage as at Sep 2013



- 37 **GB400742** INDIAN OCEAN - SEYCHELLES GROUP - MAHE PRASLIN AND ADJACENT ISLANDS  
**GB55301A** Port Victoria and Approaches  
**GB50724I** Indian Ocean - Seychelles Group - Grand' Anse  
**GB50724H** Indian Ocean - Seychelles Group - Baie Sainte Anne to La Digue

**GB 26**

**FR 14**

- 21 **GB400644** Baia de Maputo  
**GB400646** Porto de Maputo
- 22 **GB502758** Africa - East Coast - Mozambique - Porto da Beira  
**GB401003** Approaches to Porto da Beira
- 23 **GB400649** Nacala
- 24 **GB442320** Approaches to Dar Es Salaam  
**GB54232A** Dar es Salaam
- 25 **GB54231A** Africa - East Coast Tanzania - Zanzibar Island - Zanzibar Harbour  
**GB442310** Approaches to Zanzibar
- 26 **GB50663A** Africa - East Coast - Tanzania - Tanga  
**GB442210** Approaches to Tanga
- 27 **GB500666** Africa - East Coast - Port Mombasa including Port Kilindini and Port Reitz  
**GB442220** Approaches to Port Mombasa
- 28 **FR476790** Océan Indien - Archipel des Comores Grande Comore and Mohéli islands  
**FR476780** Archipel des Comores - Anjouan Island
- 29 **FR574920** Archipel des Comores Ile de Mayotte - Partie Nord  
**FR574930** Archipel des Comores Ile de Mayotte - Partie Est
- 30 **GB40718C** Aldabra Island - Ile Picard  
**GB40718D** Cosmoledo Group  
**GB40718G** Astove
- 31 **GB400701** Madagascar - North Coast - Baie de Bombetoke
- 32 **FR576810** North-east coast of Madagascar - Antsiranana Bay  
**GB401116** Madagascar - North East Coast - Baie de Diego-Suarez
- 33 **GB400688** Tamatave
- 34 **FR56054A** Fort-Dauphin  
**FR460540** Baie de Fort-Dauphin and approaches to Ehoala
- 35 **FR471830** La Réunion - Northern part  
**FR472220** La Réunion - Eastern part Pointe Marcellin to Sainte Rose  
**FR473280** La Réunion - Southern part Pointe de Bretagne to Pointe de Langevin  
**FR57183C** Port Réunion (Pointe des Galets) - East harbour  
**FR57183B** Port Réunion (Pointe des Galets) - West harbour  
**FR57183A** La Réunion - Saint-Gilles les Bains harbour  
**FR57328A** Saint-Pierre harbour
- 36 **GB55321B** Indian Ocean - Mauritius - Port Louis  
**GB45321A** Indian Ocean - Mauritius - Approaches to Port Louis  
**GB55321C** Mauritius - Grande Riviere Noire Bay



# SANHO PUBLICATIONS

The current status of the most essential SANHO Publications is listed below:

SANHO Ref No	Title	Edition
SAN HO-1	South African List of Lights and Radio Signals	2011
SAN HO-2	South African Tide Tables	2013, 2014, 2015
SAN HO-3	Catalogue and Indexes of SAN Charts, ENC's and Hydrographic Publications	2011
SAN HO-6(INT 1)	Symbols and Abbreviations used on SA Charts	2011
SAN HO-15	International Regulations for Preventing Collisions at Sea 1972 (COLREGS)	2005
SAN HO-21	SA Sailing Directions Vol I – General Information	2005
SAN HO-22	SA Sailing Directions Vol II – Namibia and West Coast	2002
SAN HO-23	SA Sailing Directions Vol III – South and East Coasts	2003
-	Annual Summary of SA Notices to Mariners	2013
-	Cumulative List of SA Notices to Mariners	2013

New Editions of SAN HO-23 and SANHO-22 in progress.



# FACILITIES

## **Heidelberg 106 Speedmaster**

*First of its kind to be commissioned on the African continent  
on 3 October 2012 at the  
South African Navy Publications Unit, Simons Town.*



Paper size: 750x1060mm Image Area: 740x1050mm

*This is our primary means of printing paper charts,  
supplemented by POD Ao inkjet printers at the  
Hydrographic Office.*



# PERSONNEL IN THE SANHO

*Retirement of Mr Malcolm Nelson in October 2012.*

*(Served at the SANHO from Jan 1971 – Oct 2012.)*

*Represented South Africa at SAIHC  
and on other IHO working groups.*



# PERSONNEL DEVELOPMENT IN THE SANHO

*Nine SANHO technical staff members received training in the use of dKart Publisher in Mar 2013.*



*Five Staff members who completed their the IHO FIG Cat B theoretical training in in May 2012 and are making progress in gaining experience in the areas of training . It is anticipated they will be awarded their qualification within the next 6 months.*



# CAPACITY BUILDING and SKILLS DEVELOPMENT

Two SANHO staff members attended the SAIHC Capacity Building - Phase 1 Skills and Chart Awareness Course, conducted by the UKHO, facilitated by the SANHO, held in Fish Hoek, South Africa in Nov 2012.

## INTERNATIONAL PARTICIPANTS

- Comores (1)
- Kenya (1)
- Madagascar (1)
- Malawi (1)
- Mauritius (1)
- Mocambique (1)
- Namibia (1)
- Seychelles (1)



# CAPACITY BUILDING and SKILLS DEVELOPMENT

**Hydrographic Survey for Officers/ Part 3 for Ratings**  
presented by SANHO - Aug to Nov 2012.



FOREIGN PARTICIPANTS

Zimbabwe (1)

Kenya (1)

**Hydrographic Survey for Officers**

presented by SANHO - Aug to Nov 2013



FOREIGN PARTICIPANTS

Kenya (1)

Senegal (1)

**Hydrographic Survey for Ratings Part II**

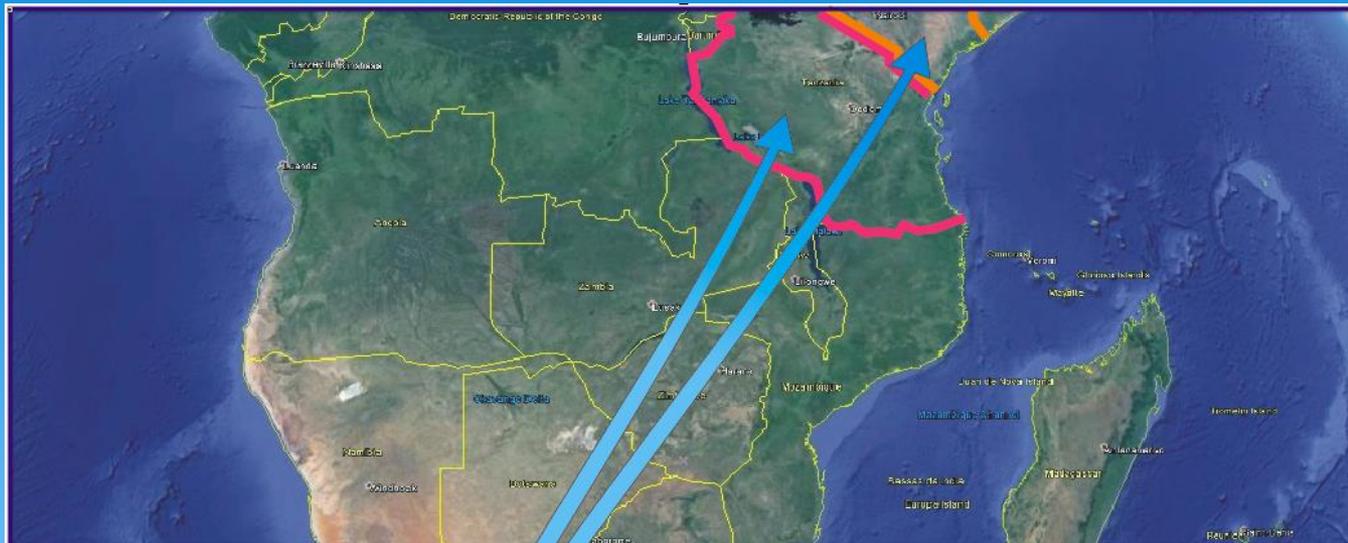
presented by SANHO - Aug to Nov 2013

PARTICIPANTS

South Africa (6)



# OTHER CAPACITY BUILDING INITIATIVES



<p>Technical and Advisory Visit to Tanzania</p>	<p>02 – 04 Dec 2012</p>	<p>South Africa &amp; UK</p>
<p>Technical and Advisory Visit to Kenya</p>	<p>05 – 08 Dec 2012</p>	<p>South Africa</p>

