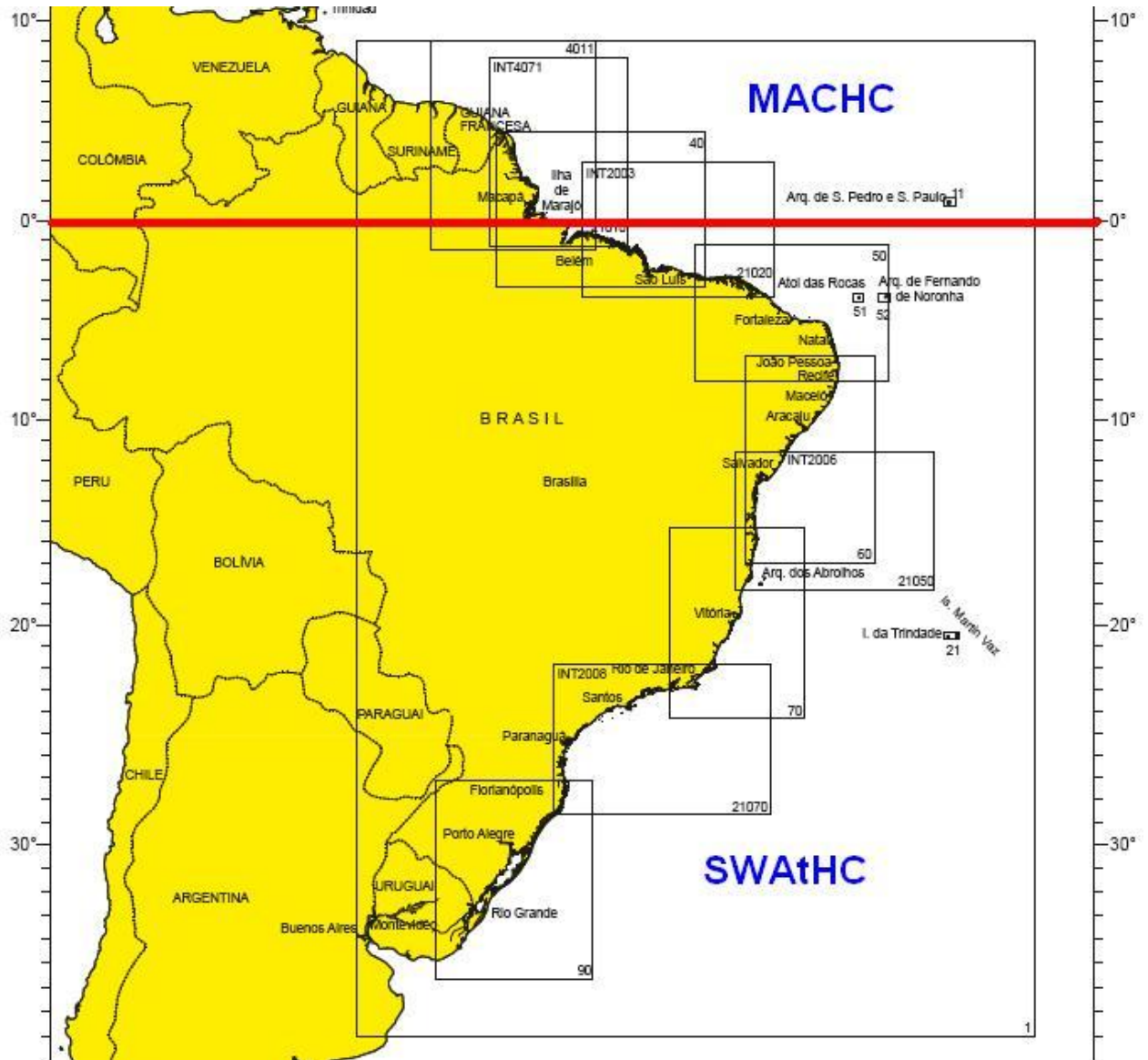


MESOAMERICAN AND CARIBBEAN HYDROGRAPHIC COMMISSION
12th Meeting, Basseterre, St.KTTS & Nevis, 6-9 December 2011

NATIONAL REPORT – BRAZIL

Directorate of Hydrography and Navigation (DHN)



1. International Charts (MACHC):

INT	National	TITLE	Scale 1 :	1st Ed	To be edited
4071	21010	De Cayenne ao Cabo Guripi	1 000 000	2010	
2003	21020	De Salinópolis à Fortaleza	1 000 000	1999	
4194	21100	Do Cabo Orange à Ponta Tucumã	300 000	2010	
4195	21200	Da Ponta Tucumã à Ponta Guará	300 000	2011	
4196	21300	Do Cabo Norte ao Cabo Maguari	300 000		2012
4197	21400	Do Cabo Maguari à Ponta Boiuçucanga	300 000		2012

2. ENC cells (MACHC):

Cell Nr	TITLE	Scale 1 :	1st Ed	To be edited
BR221010	De Cayenne ao Cabo Guripi	700 000	2011	
BR221020	De Salinópolis à Fortaleza	700 000	2010	
BR321100	Do Cabo Orange à Ponta Tucumã	180 000	2010	
BR321200	Da Ponta Tucumã à Ponta Guará	180 000	2011	
BR321300	Do Cabo Norte ao Cabo Maguari	180 000		2012
BR321400	Do Cabo Maguari à Ponta Boiuçucanga	180 000		2012
BR321500	Da Ponta Boiuçucanga a Ponta do Zumbi	180 000		2012
BR400011	Arquipélago de São Pedro e São Paulo	22 000	2010	
BR400201	Barra Norte do Rio Amazonas	45 000	2010	
BR400202	Da Ilha Bailique a Ponta do Capinal	45 000	2010	
BR400203	Da Ponta do Capinal às Ilhas Pedreira	45 000	2010	
BR400204	Das Ilhas Pedreira à Ilha de Santana	45 000	2010	

3. Status of hydrographic survey (MACHC):

Status of all navigable waters, including internal waters, in the MACHC area. Survey coverage, where:

A = percentage which is adequately surveyed.

B = percentage which requires re-survey at larger scale or to modern standards.

C = percentage which has never been systematically surveyed

	A	B	C
Depths < 200m	30	67	3
Depths > 200m	0	100	0

4. Capacity Building

Courses and training offered by DHN:

Hydrographic Surveying Course at Category A (IHO/FIG/ICA) - CAHO
Hydrographic Surveying Course at Category A (IHO/FIG/ICA) - C-Ap-HN
Planning of hydrographic survey - Hydro 1
Performance of hydrographic survey - Hydro 2
Tide
Cartography Projections
Nautical Chart Production
Training in singlebeam acquisition and processing
Training in multibeam acquisition and processing
Training in Side Scan operation
Training in gauges operation
Training in GPS survey and post processing
Training in oceanographic data acquiring and post-processing

All these courses have no charges for all Member States of the MACHC area, being sponsored by Brazil. Informations about these courses and trainings (description and duration) are available in the national report.

Training and courses carried out:

On 16-18 May 2011, a **Maritime Safety Information (MSI) Training Course** to benefit countries in the area of influence of the South West Atlantic (SWAHC), South-East Pacific (SEPHC) and the MESO American & Caribbean Sea (MACHC) Hydrographic Commissions was held on behalf of the International Hydrographic Organization (IHO) Capacity Building Committee (CBC).

On 16-19 May 2011, the **Brazilian Hydrographic Ship "Garnier Sampaio,"** moored in Paramaribo, held a **training about hydrography activities** for 25 participants from the Maritime Authority of Suriname. The training sessions were given by hydrographer officers of the ship and were about general aspects, procedures and equipment used in hydrographic surveys.



