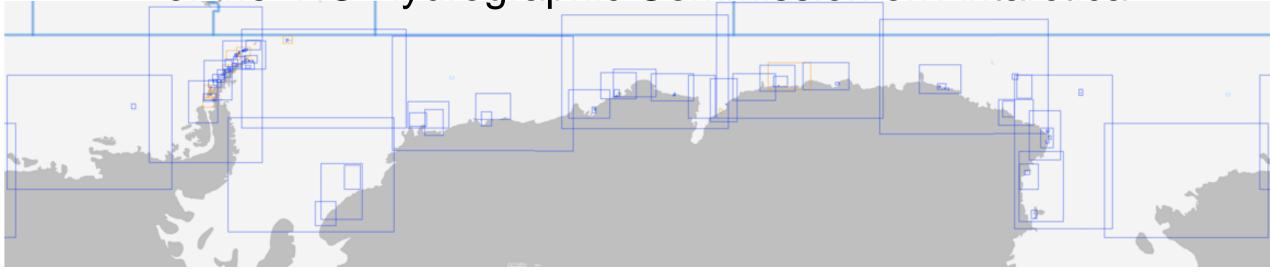


18<sup>th</sup> Conference of the IHO Hydrographic Commission on Antarctica



## Report of the INT Chart Coordinator – Region M

Agenda item 07.2C



# **IHO** Agenda

International Hydrographic Organization

### **Chart Coordination Update**

- Region M Production Summary
- Production Update
  - INT Chart & ENC
- Scheme Progress Review
  - Published & Schemed Charts
  - Overlap Report
  - IAATO Feedback
  - Deception Island Action
- Recommendations for HCA



International Hydrographic Organization

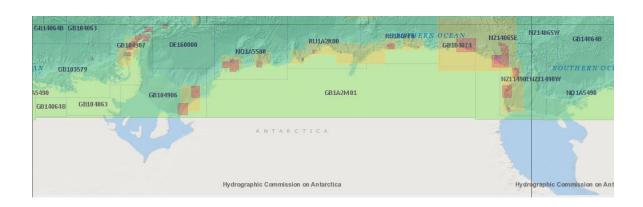
# **Region M Production Summary**

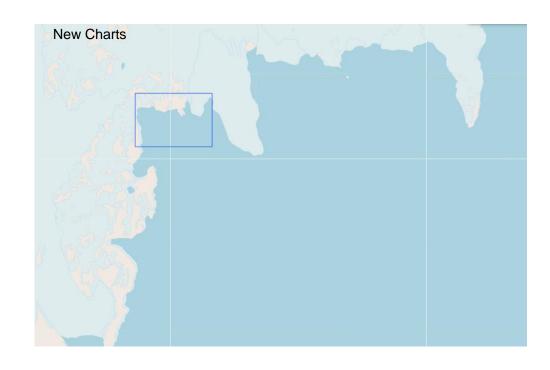


# **IHO HCA Region M Production Summary**

International Hydrographic Organization

	HCA 16	HCA 17	HCA18
Published	92	98	99
Schemed	23	18	17
ENCs		148	152







International Hydrographic Organization

# **Region M Production Update**



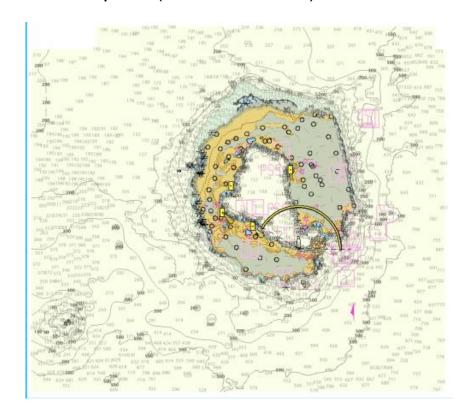
# **IHO HCA Region M Production Update**

International Hydrographic Organization

Regional M Production Update – New ENCs Produced Since HCA17 Report

#### SHN - Argentina

AR407620 (INT 9120) – Isla Deception (New ENC 2022)





# **IHO** HCA Region M Production Update

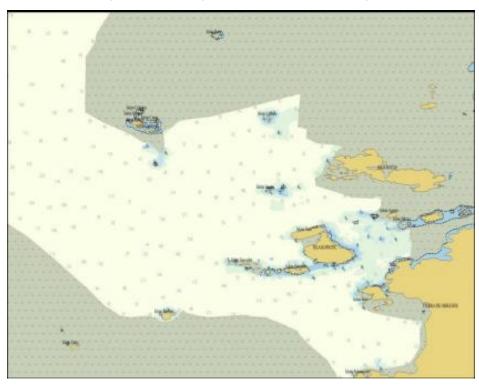
International Hydrographic Organization

#### Regional M Production Update – New ENCs Produced Since HCA17 Report

#### **SHOA - Chile**

CL5MA890 (INT 9102) – Rada Covadonga y Accesos (New ENC 2021)

CL6MA891 (INT 9102) – Paso Coloma (New ENC 2021)







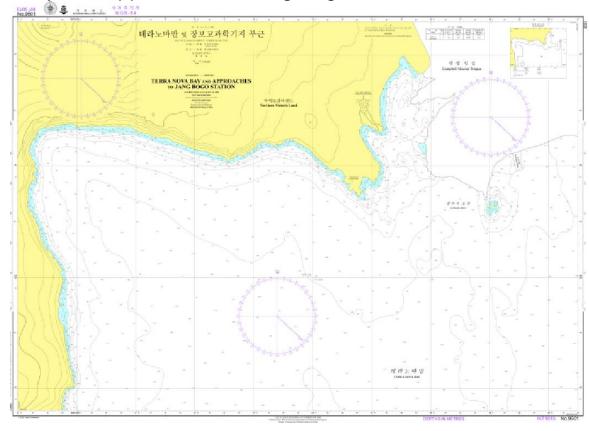
# **IHO** HCA Region M Production Update

International Hydrographic Organization

Regional M Production Update – New INT Charts Produced Since HCA16 Report

#### KHOA - Republic of Korea

INT 9501 – Terra Nova Bay and Approaches to Jang Bogo Station



HCA-18, Berlin, Germany (hybrid), 24-26 May 2022



# HOA Region M Production Update

International Hydrographic Organization

### Regional M Production Update - Significant ENC & INT Chart Updates Since HCA17 Report

#### **SHN** - Argentina

AR507570 & INT 9101 –Trinidad Peninsula & Esperanza Base, updated to include surveys of 2003-2005 AR306110 & INT 9140 – South Orkney Islands, updated top include surveys of 2002-2004 & 2011-2017 INT 9120 – Deception Island, updated to include SHN, IHM and UK surveys of 2000-2017

#### AHS – Australia

AU4602P0 – Davis Station HI 634 & 621B AU5AQCAS & AU4601P0 – Casey Station HI 621A AU5AQMAW, AU468062 – Mawson Station HI 607 AU455158 - Macquarie Island HI 625

#### DHN - Brazil

BR425120 & INT 9126 – King George Bay, updated to include surveys of 2018-19 BR425121 & INT 9125 – Admiralty Bay, updated to include surveys of 2018-19

#### SHOA - Chile

CL5MA870 – Approach to Whalers Bay, updated to improve WGS84 positioning



# HCA Region M Production Update

International Hydrographic Organization Regional M Production Update – New INT Chart or ENC Proposals

No proposals for new INT charts or new ENCs have been received from Member States

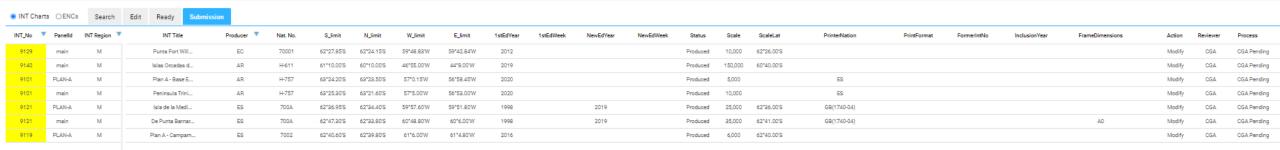


# **HCA Region M Production Update**

International Hydrographic Organization

#### Regional M Production Update - Update of INTtoGIS

The charts below have been updated for an error associated with pre HCA17 INTtoGIS technical problem





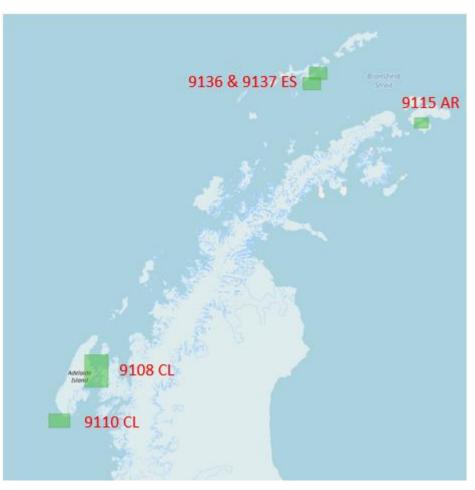
International Hydrographic Organization

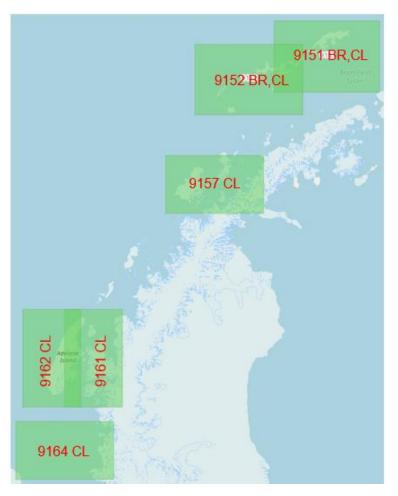
## Region M Scheme Progress Review



International Hydrographic Organization

### **Outstanding Schemed Coverage**





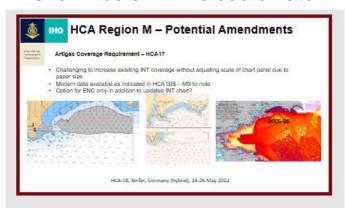
HCA-18, Berlin, Germany (hybrid), 24-26 May 2022



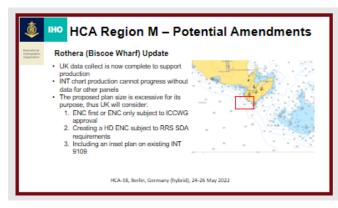
International Hydrographic Organization

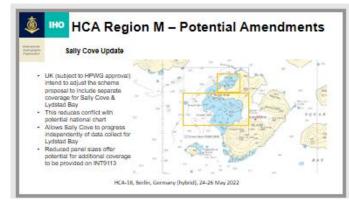
#### **Summary of Potential Amendments**

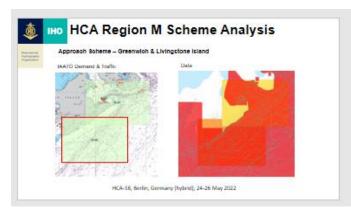
The Chair made proposals for changes to the exisiting INT scheme for consideration which included those shown below. The coordinator will reach out to affected MS after the conference.

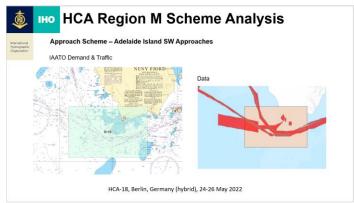














International Hydrographic Organization

#### **Overlap Report**

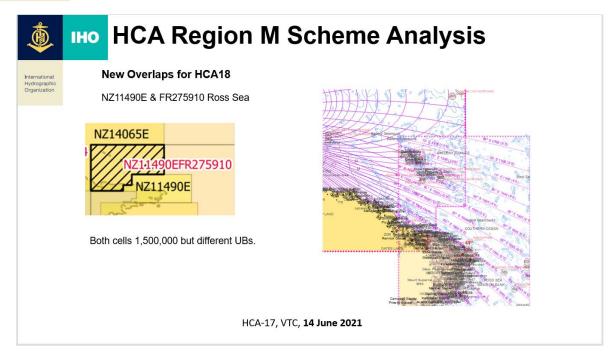
The Chair gave an update on the overlap report, highlighting the new overlaps:

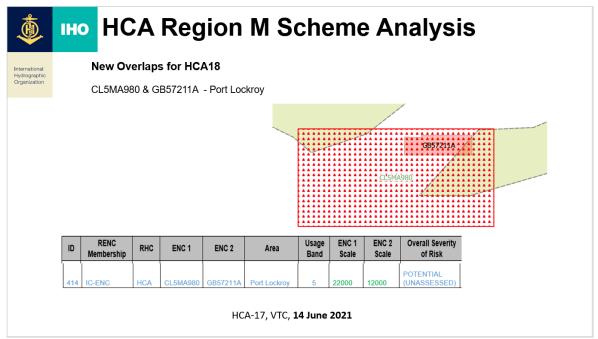
IC-ENC REGIONAL HYDROGRAPHIC COMMISSION OVERLAP REPORT - HYDROGRAPHIC COMMISSION FOR ANTARCTICA - MAY										MAY 2022		
ID	RENC Membership	RHC	ENC 1	ENC 2	Area	Usage Band	ENC 1 Scale	ENC 2 Scale	Overall Severity of Risk	IC ENC Justification	IC ENC Action requested	HPWG Chair Comments
П												Ressolved since HCA 16
625	IC-ENC	HCA	CL4MA956	GB403207	Gerlache Strait Wilhelmina Bay	4	45,000	22,000	LOW	Area of little SOLAS traffic, covered by UNSARE on both cells. Minor differences between content.	HO requested to clip NC, or liaise with IC-ENC	GB clipped for overlapping data in channel. Adjusted comp scale in area of charted data to give preference over unsurveyed area
626	IC-ENC	HCA	CL4MA957	GB403207	Gerlache Strait Wilhelmina Bay	4	45000	22,000	LOW	Ovelap only covers LNDARE and UNSARE, with very little SOLAS traffic expected within the area.	HO requested to clip NC, or liaise with IC-ENC	Resolved since HCA 16 by amendment to comp scale to resolve overlap item 626
						ĺ						New at HCA 17
749	IC-ENC	HCA	GB203572	RU2A1AD0	Marguerite Bay Laubeuf Fjord	2	250000	700000	LOW			GB cell with later dates takes priority due to comp scale
												New for HCA 18
	IC-ENC - PRIMAR	HCA	NZ11490E	FR275910	Ross Sea	1	1500000	1500000	LOW			Based on same scale overlapping INT charts FR NZ to resolve based on underlying data
125	IC-ENC	SAIHC	RU1A2K00	AU160060		1	3000000	3500000	LOW	Overlap situated just off the coast of Antarctica, very low levels of traffic. Small scale compilation scale.	Clip to common border	No change since HCA 16
	IC-ENC	SAIHC	RU1B0PF0			1	3000000			Overlap is located in the Antartica, it charts very deep waters. There is a 119m shoal depth which is captured on AU160000 which is not captured on RU1B0PF0. Little traffic as expected.	HOs to discuss and resolve overlaps	No change since HCA 16
	IC-ENC	SAIHC	RU1B0PF0			1		3500000		Overlap is located in the Antartica, it charts very deep waters.  Little traffic as expected.		No change since HCA 16
127	IC-ENC	SAIHC	RU1BUPFU	AU160090		1	3000000	3500000	LOW	Overlap is located in the Antartica, it charts very deep waters.	HOs to discuss and resolve overlaps	No change since HCA 16
	IC-ENC	HCA	RU1B0PF0	AU160120		1	3000000	3500000	LOW	Little traffic as expected.	HOs to discuss and resolve overlaps	
	IC-ENC - NON RENC	HCA	RU2BNM40	JP20ODD0		2	700000	700000	LOW (U)	Overlap situated just off the coast of Antarctica, very low levels of traffic. Small scale compilation scale.	HOs to discuss and resolve overlaps	No change since HCA 16
										·	·	New for HCA 18
									POTENTIAL	General depiction of bathymetry similar between cells, CL cell has a higher area of UNSARE then on the GB cell and		Further detail requested from IC-ENC and SHOA Different comp scales
415	IC-ENC	HCA	CL4MA960	GB400445	Lemaire Channel	4	45000	22000	(MEDIUM)	UWTROCs not shown.	HO requested to clip NC, or liaise with IC-ENC	Option to discuss at HPWG workshop
												New for HCA 18
414	IC-ENC	HCA	CL5MA980	GB57211A	Port Lockroy	5	22000	12000	POTENTIAL (UNASSESSED)		HO requested to clip NC, or liaise with IC-ENC	Further detail requested from IC-ENC and SHOA Different comp scales CL National ENC (ie not INT equivalent) Option to discuss at HPWG workshop



International Hydrographic Organization

#### **Overlap Report**



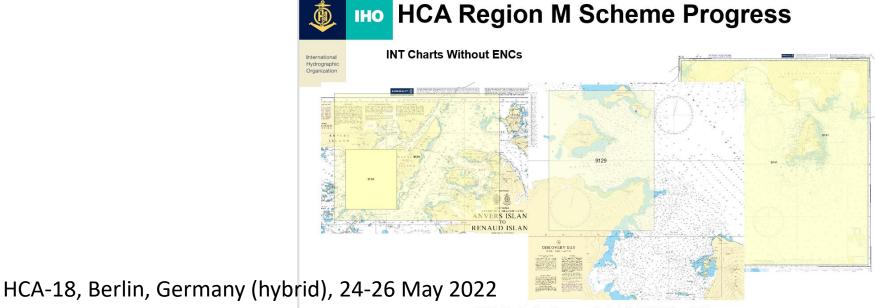




International Hydrographic Organization

#### **INT Charts Without ENCs**

INT Number	Panel I	PRODUCE	NATIONAL	TITLE	Chart Scal	Published Year 🔻	Production Status ▼	Usage Band ▼	ENC_Number(s)
9104	-	CL	15350	Estrecho De Gerlache. Islote Useful a Isla Wednesday	50000	2016	Produced	4	No ENC
9134	-	CL	15351	Fondeaderos en Canales Peltier y Neumayer	30000	2015	Produced	4	No ENC
9141	-	GB	1779	Approaches to Signy Island	50000	2006	Produced	4	To be produced 22/23
9013	-	KR	9501	Jang Bogo Station	10000	2021	Produced	5	No ENC
9105	PLAN-A	US	29123	Plan A - Arthur Harbour	12500	2001	Produced	5	No ENC at equivalent comp scale
9122	PLAN-A	CL	14231	Plan A - Bahia Chile (Discovery Bay)	20000	1947	Produced	5	No ENC
9122	PLAN-B	CL	14231	Plan B - Puerto Soberan - ja y Ensenadas Rojas e Iquique (Iquique Cove and Approaches)	5000	1947	Produced	5	No ENC
9125	PLAN-B	BR,PE	25121	Plan B - Estacion Arctowski	15000	2016	Produced	5	No ENC (UB4 @ 22:000)
9125	PLAN-C	BR,PE	25121	Plan C - Ensenada Mackellar	15000	2016	Produced	5	No ENC (CL5MA975 pending)
9129	-	EC	70001	Punta Fort Williams, Isla Greenwich	10000	2012	Produced	5	No ENC
9141	PLAN-A	GB	1779	Plan A - Borge Bay and Approaches	10000	2006	Produced	5	No ENC (To be produced 22/23)



HCA-18, Berlin, Germany (hybrid), 24-26 May 2022



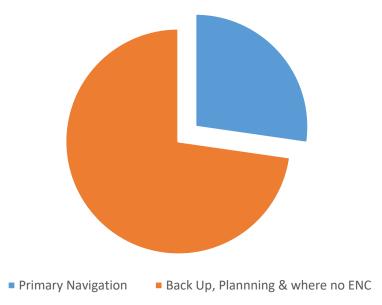
# **IHO** HCA Region M – User Survey

International Hydrographic Organization

### **Discussion on IAATO User Survey**

IAATO were subsequently approached to ask their 55 operators to provide feedback on regional charting matters. 12 members responded of which all carry paper charts.





#### Are there areas where additional chart (paper/digital) coverage is required?

A full detailed survey of our whole operational area would be great! From Snow Hill Island to Collins Bay, including South Shetlands, South Orkneys and South Georgia.

Yes, the small coves and channels that were covered by ice in the past (Antarctica) but now are open and used by all smaller vessels/superyachts/yachts.

#### Antarctica

Yes - Danger islands in Weddell sea Argentine islands / Crystal sound / Hanusse Bay / Flandre Bay / D'urville island

no

YES

Yes, there are plenty of areas like that

not so far

Yes

Crystal Sound / Antarctica

charted and additional coverage would be of assistance

yes



International Hydrographic Organization

# **Deception Island Action**

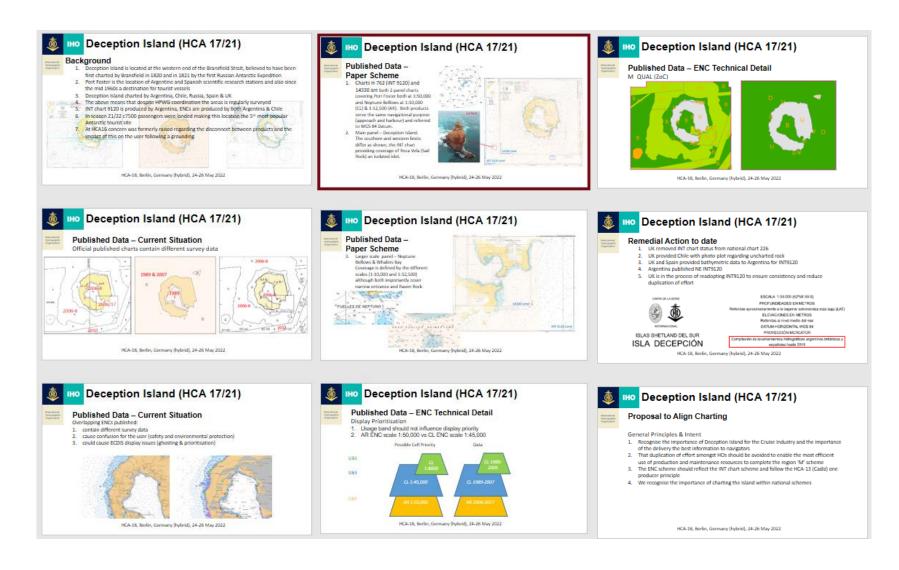


# **Deception Island (HCA 17/21)**

International Hydrographic Organization

### **Action update**

The Region M Coordinator gave an update to the workshop participants and made a proposal to align SHN, SHOA and UK charts and ENCs (as detailed on the following slide)





# Deception Island (HCA 17/21)

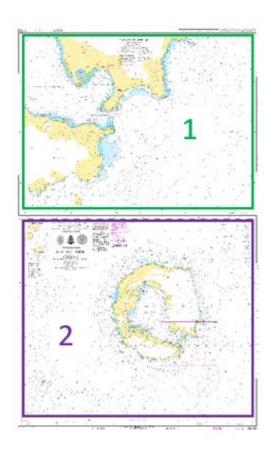
International Hydrographic Organization

## **Recommended Assignment of Production**

The coordinator recommends production responsibility for both products based on exisiting products, data and scheme

Chile should produce panel 1 including ENC from the latest sources. Chile already produce a band 5 ENC

Argentina should produce panel 2. Argentina already produce a band 4 ENC





# Deception Island (HCA 17/21)

### The Benefits

- Builds on the current limits, coverage and content of chart INT 9120 (2021 edition), reducing the need for 'rework'
- Aims to consolidate resource for paper and digital charting in this area through the removal of duplication
- For efficiencies defines areas of production responsibility
- Removes conflicting overlaps of ENCs
- Aligns with the one producer concept (ie one INT chart/one ENC)

#### **Post Conference Note:**

IHM informed the co-coordinator that they would adopt INT9120 if it met their requirements for charting of their scientific station. This will be explored between AR, CL and ES post conference.



## **HCA Region M – Recommendations for HCA**

International Hydrographic Organization

#### **Proposed Recommendation**

- Note the Report
- Consult Region M coordinator for further details if required