

NATIONAL CENTRE OF EXPERTISE ON MARITIME PILOTAGE

Bringing together and sharing the expertise of maritime pilots, to ensure that Canada benefits from the most professional pilotage service possible The National Centre of Expertise on Maritime Pilotage is the technical body of the Canadian Marine Pilots, bringing together the extensive technical expertise and professional know-how of Canada's 450 licensed pilots, from Newfoundland to Vancouver

Island.

Our work

Pilotage Procedures and Techniques, Technology, Research and Innovation

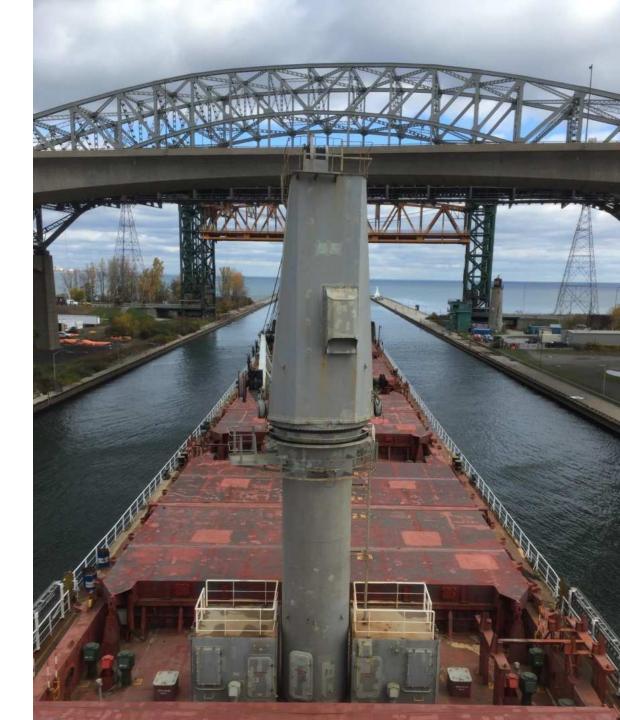
- Responsible for setting guidelines on key technical aspects of the piloting profession
- Improves operational safety and efficiency in Canada's ports and waterways
- Develops best practices on pilotage procedures such as pilot transfers to and from vessels
- Position statements on emerging questions such as the conditions in which Marine Autonomous Surface Ships should operate

Aims to improve operational safety and efficiency in Canada's ports and waterways, and to ensure that Canada's pilots and their local organizations continue to be world-leaders in pilotage innovation

Government and industry

The Centre provides government with advice on key matters related to the technical dimension of piloting, and on matters affecting the exercise of the profession.

The Centre also works with industry to optimize operational parameters, for example in respect of pilotage practices and procedures, and the development and operation of essential marine infrastructure.

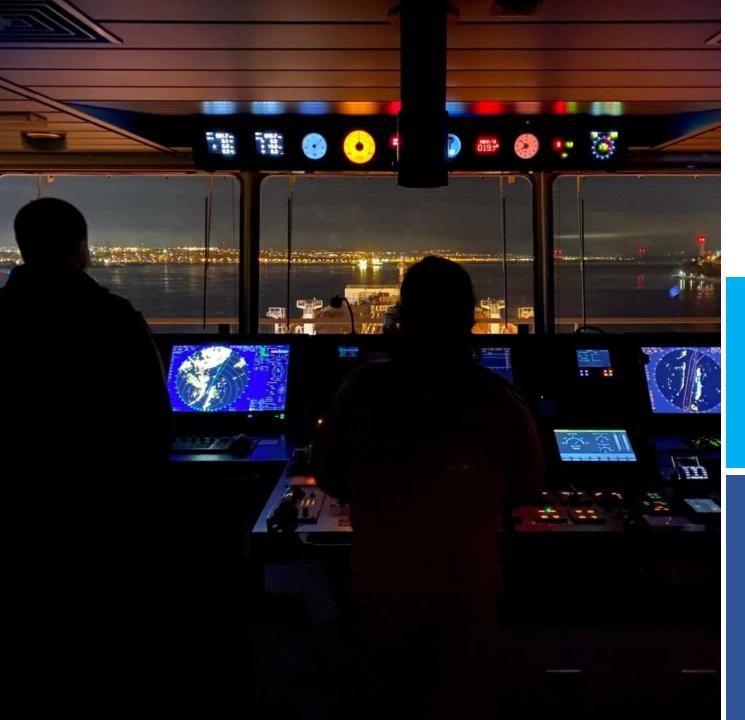


The Centre's ability to bring together and reflect the extraordinary diversity of local skills, experience and professional expertise from all of Canada's pilotage districts is its greatest asset.

To achieve this, it relies on its key partners.

Our Partners

British Columbia	Fraser River	Great Lakes	Lake Ontario		
Coast Pilots		Districts 2 & 3	& Harbours		
Upper	St. Lawrence	Mid St. Lawrence	Lower		
St. Lawrence	& Seaway		St. Lawrence		
Newfoundland	Halifax	Cape Breton	New Brunswick		
& Labrador		Island	& PEI		
Maritime Simulation and Resource Centre	Canadian Merchant Service Guild	International Maritime Pilots' Association	IMC International Council		





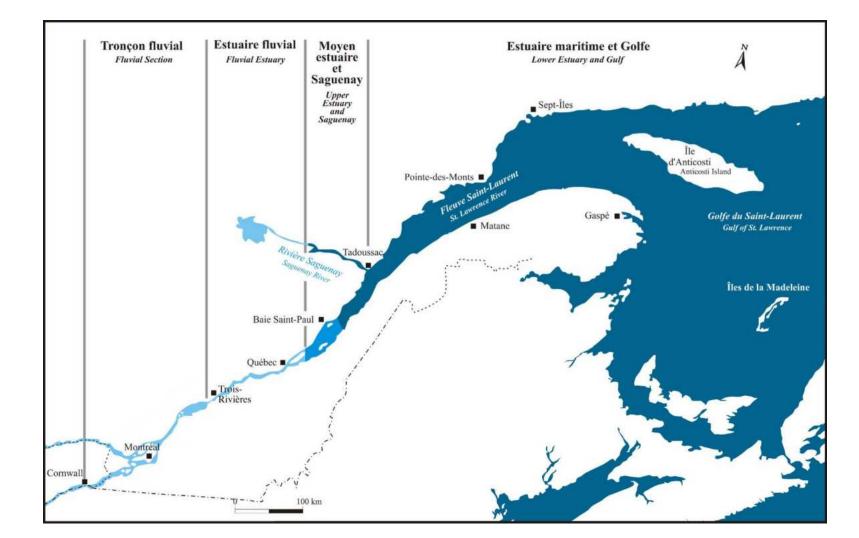
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PILOT PORTABLE UNITS

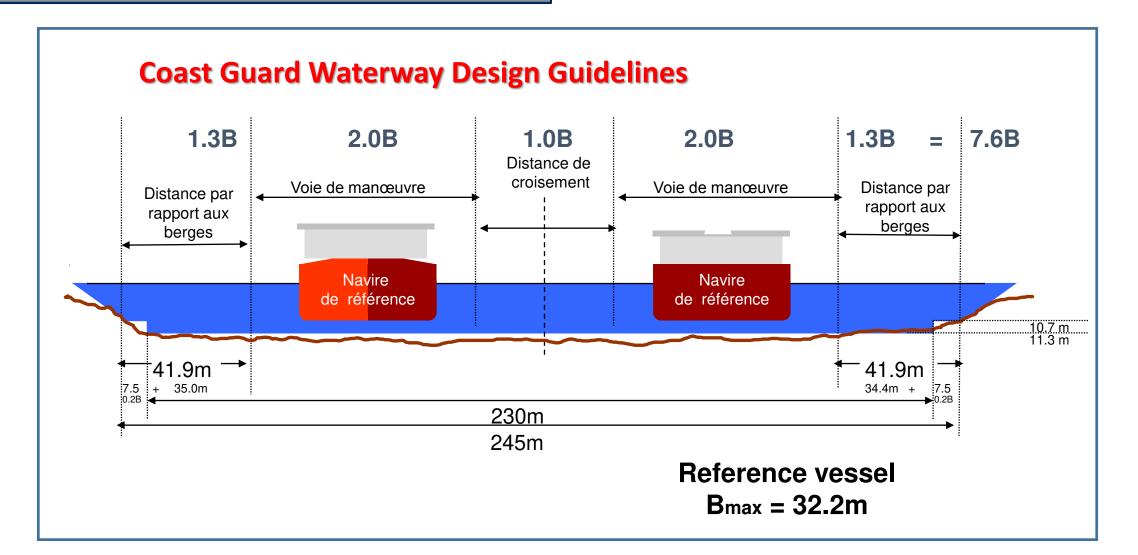
VN-301 DIRECTIVES INTEGRATION PROJECT ANPRA 2023



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Post Panamax Vessel in the St-Lawrence River

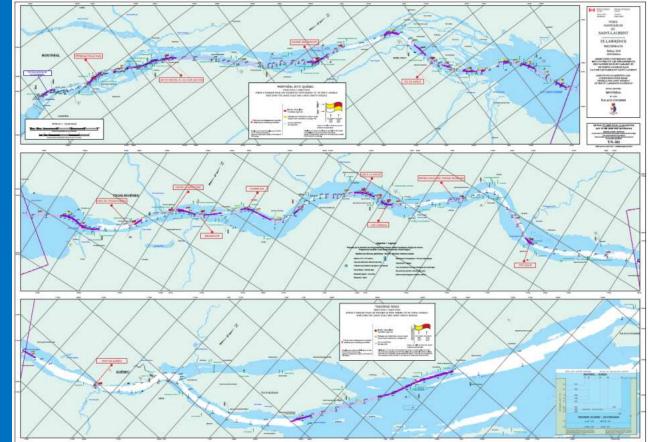




Risk Study

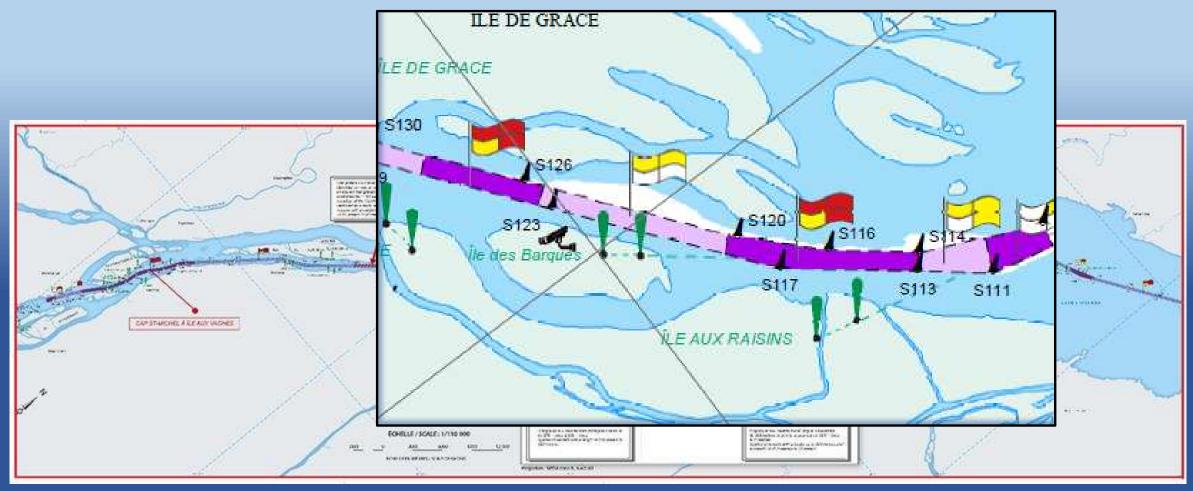
A risk study was conducted and a Working Group was formed between Canadian Coast Guard, Transport Canada, Laurentian Pilotage Authority and the pilots corporations, resulting in guidelines for the passage of Post-Panamax vessels, imposing certain restrictions where vessels cannot meet or pass each other.

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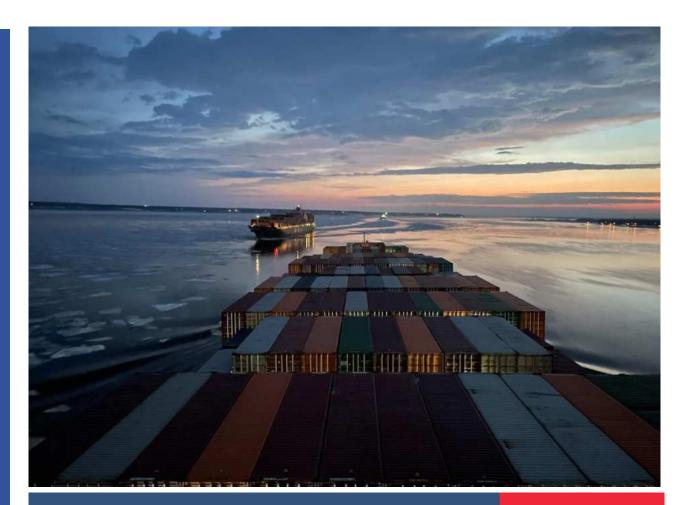


NAVIGATION GUIDELINES - VN301



New tools to face a more complex environment

- Graphical Integration of VN-301 in the PPU
- Improved «Meeting Point» function
- VN-301 meeting checks



Technical Committee

CPSLC







The project and its partners

The Laurentian Pilotage Authority

- Navsim Technology is the developer of the Argus software
- Mid St-Lawrence Pilots technical committee



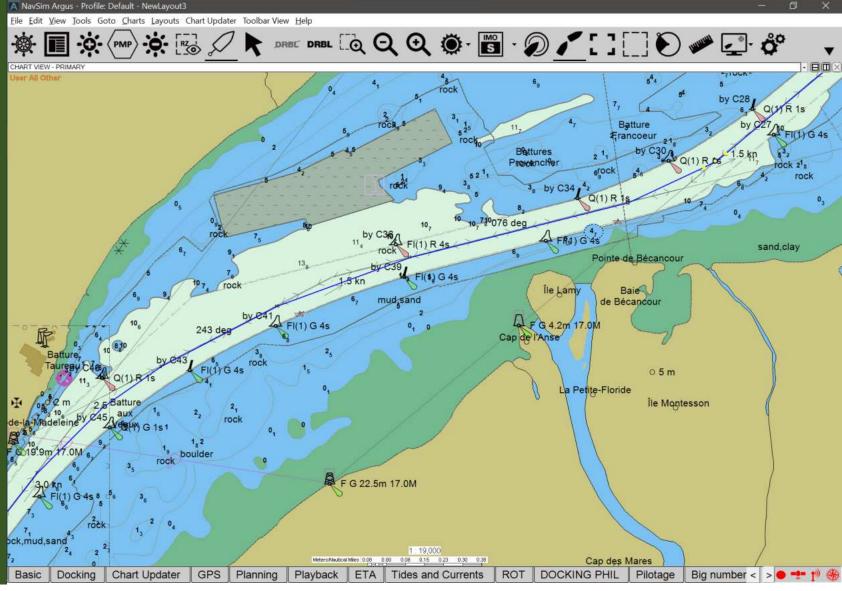
Administration Laurentian de pilotage Pilotage des Laurentides Authority





Essential Characteristics

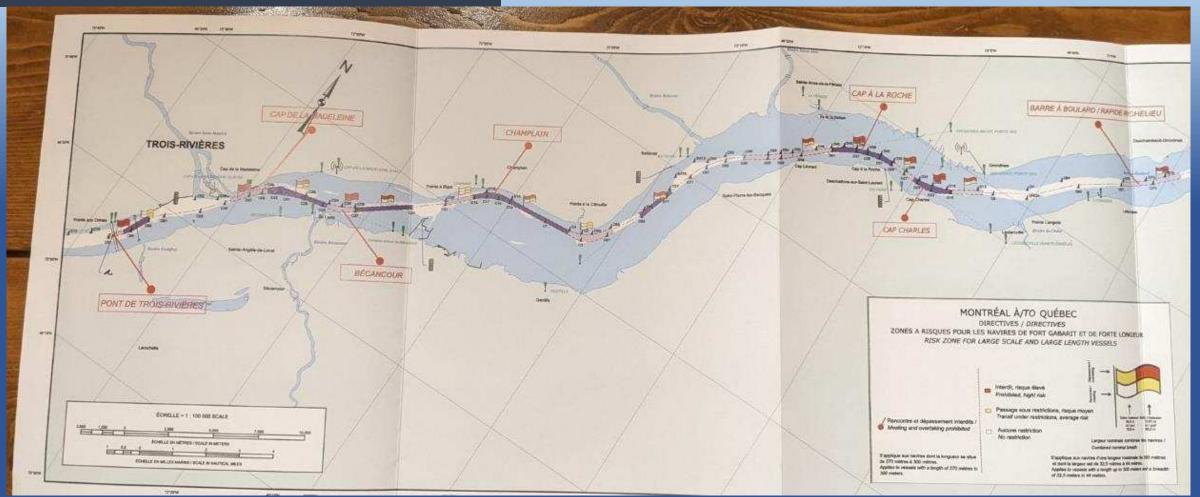
Usability Reliability





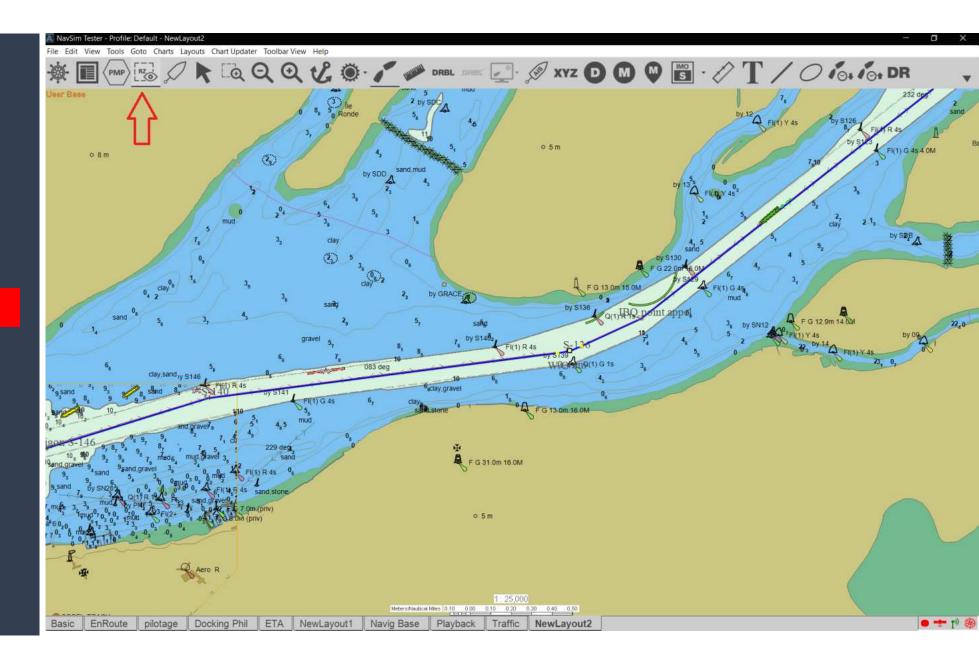
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VN-301 Graphical Integration BEFORE



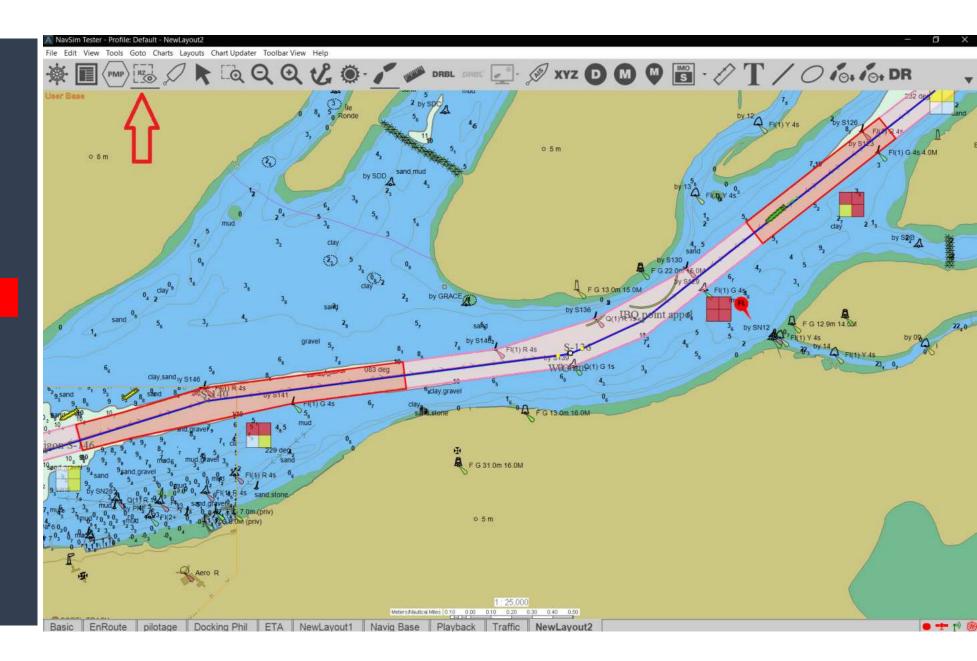
VN-301 Integration

NOW



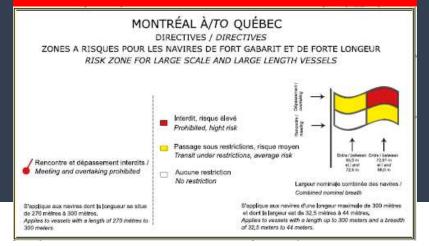
VN-301 Integration

NOW



VN-301 Integration

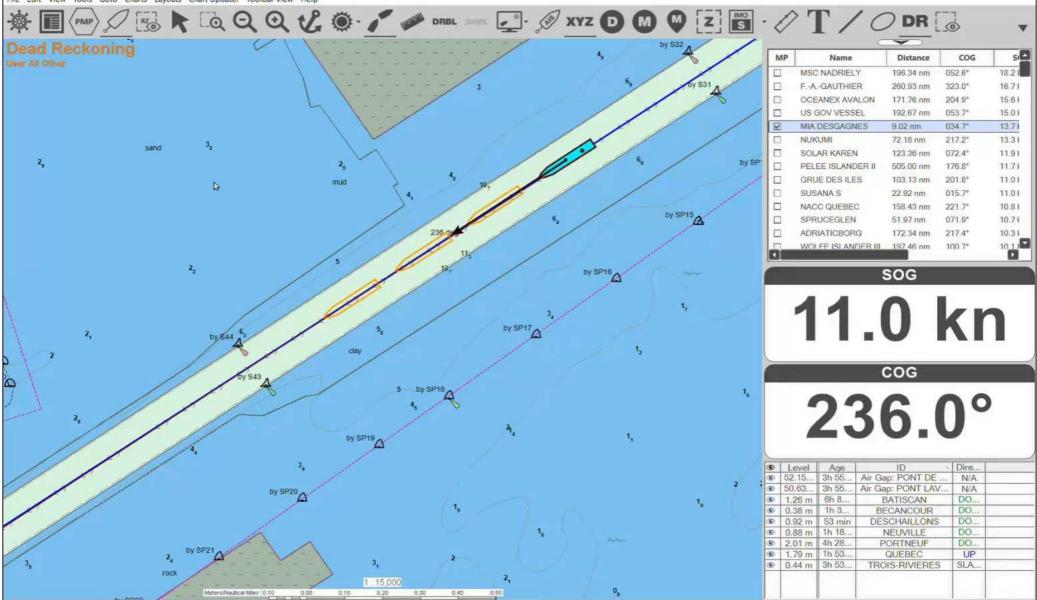
Before

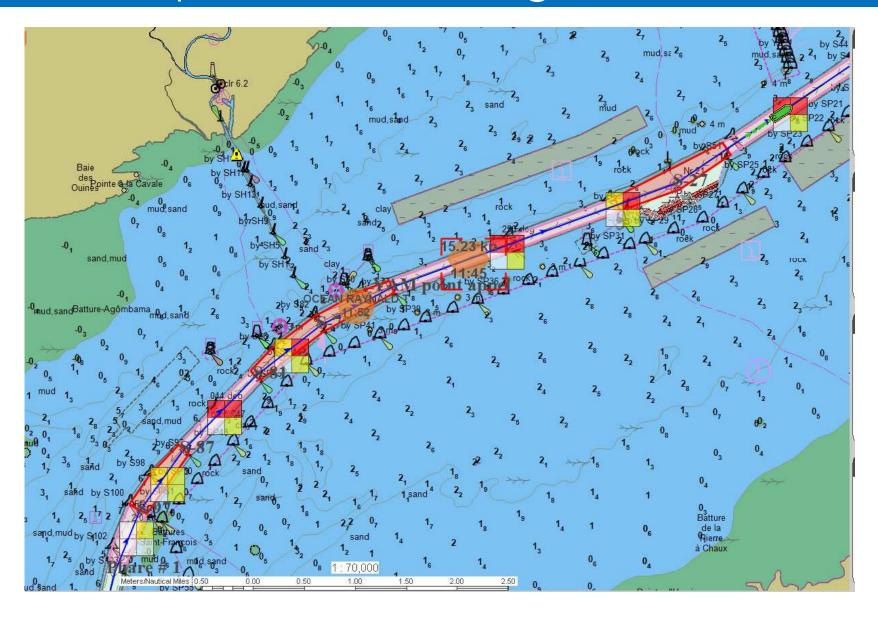


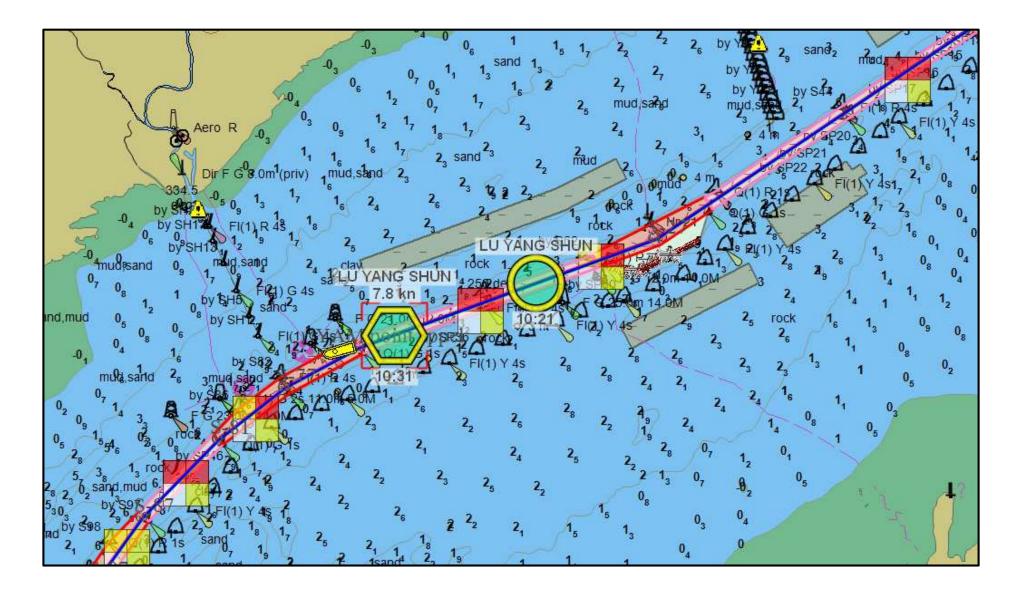
Risk Zone Properties X										
Risk Zone Manager										
Name: RZ	Trou des roses									
Sector:										
Description:										
Color:										
Transparency:		<u>, </u>)								
	Locked Source: Admin									
Ľ	ublish to Cloud									
Risk Matrix Rule	5									
Meeting & Over	aking Restrictions									
Overtaking		Prohibited High Risk		Necrosco	Prohibited High Risk					
Meeting		No Restrictions			Proceed Under Caution Average Risk					
Combined Bea	am Between	65 m 🔹 And	72.6 m 🔺 Bet	etween	72.61 m 🔺 And	88 m 🔺				
Long Vessel Res	trictions: Yes No									
** Meeting and	Overtaking prohibited for	vessels with LOA of 270 m to	o 300 m							
Coordinate Info										
# Name Coordinate 1 46° 22.755' N, 072°										
2 3 4	46° 22.729' N, 07 46° 22.721' N, 07	2°								
5 46° 22.541' N, 072°										
Add Coordinate Delete Coordinate										
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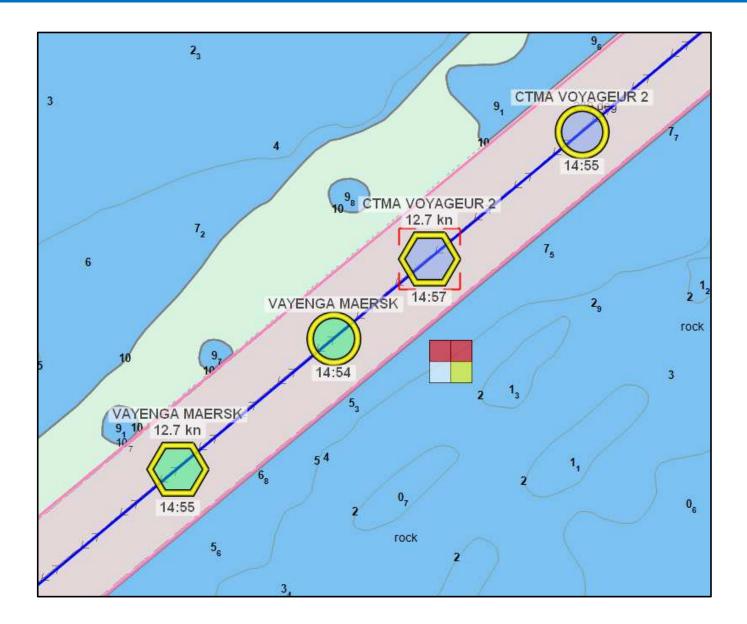


File Edit View Tools Goto Charts Layouts Chart Updater Toolbar View Help





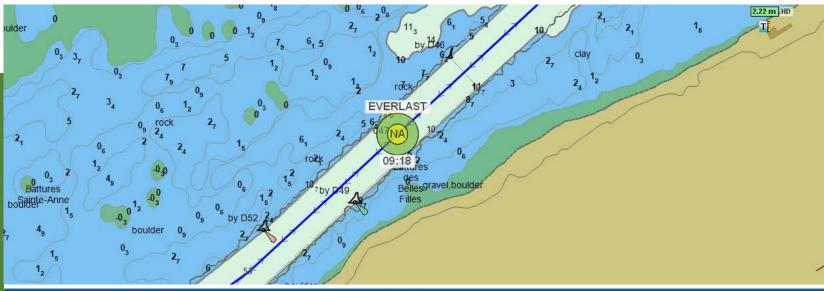




MEETING CHECKS



RELIABILITY



2	PMP Table												×			
Ve	ssel Name	MMSI	Go To Vessel	Beam	Comb. Beam	LOA	Ownship SOG	Planned Speed	Туре	Go To	DTG	TTG	Risk Zone Name	Risk Matrix	Long Vessel Restriction	M/O Permitted
MSC SORAYA	370271000	Go To Vessel	40 m +	70.48 m	m +	19,63 km/h	35.48 km/h	MP	Go To MP	4.82 km	14min 42s	Risk Zone 6	-	YES	NO	
								alarma 1	Go To PMP	6.17 km	10min 25s	Risk Zone 6		YES	NO	
FRANK JAHN	367505030 Go To Ve		10 m +	} 40.48 m	26 m 🔹] 19.63 km/h	35.48 km/h	MP	Go To MP	4.96 km	15min 8s	Risk Zone 6		YES	YES	
		Go io vessei						PMP	Go To PMP	5.62 km	9min 29s	Risk Zone 6		YES	YES	
BOW PALLADIUM	257246000	0 Go To Vessel 27 m					MP	Go To MP	N/A	N/A	N/A	N/A	N/A	N/A		
			27 m 🔫	57.48 m	165 m 🜩	19.63 km/h	35.48 km/h	PMP	Go To PMP	N/A	N/A	N/A	N/A	N/A	N/A	

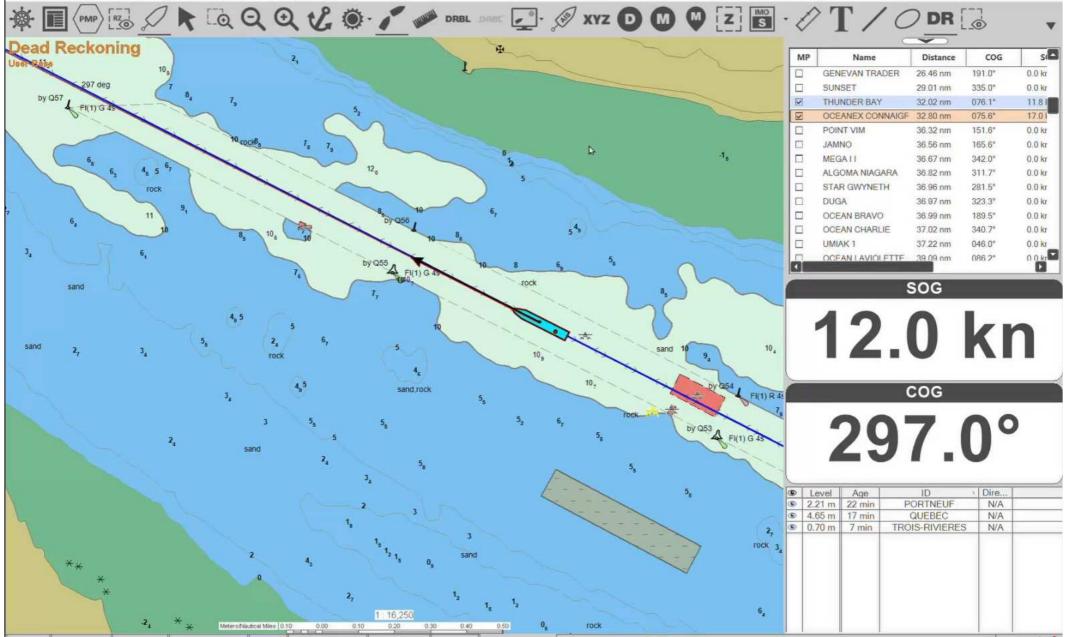
VERIFICATION FUNCTION

VESSEL'S CHARACTERISTICS



LLOYD'S DATA BASE

File Edit View Tools Goto Charts Layouts Chart Updater Toolbar View Help



QUESTIONS / COMMENTS ?

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NATIONAL CENTRE OF EXPERTISE ON MARITIME PILOTAGE

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