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The Canadian Forum for Maritime Autonomous Surface Ships (MASS)

Sub-Committee on Test/Research and Development

November 2019

 National Research Council Canada Conseil national de recherches Canada 

1

Canadian Forum for Maritime Autonomous Surface Ships

Supported by three subcommittees:

- Test/Research and Development
- Domestic and International Frameworks Development
- Multilateral Cooperation

Each have distinct areas of focus defined in Terms of Reference

 2

2

CFMASS – Sub-committee on Test/Research and Development

Purpose

Establish a network of stakeholders to help guide the development of maritime autonomous surface ship (MASS) technology in Canada for the benefit of Canadians



3

CFMASS – Sub-committee on Test/Research and Development

Leadership

- Chairperson: Marie-Chantal Ross, Program Director, Oceans - National Research Council
- Alternates:
 - Fraser Winsor, Senior Ocean Engineer - National Research Council
 - Howard Posluns, Chief, Multi-Modal RD&D -Transport Canada, Innovation Centre



4

CFMASS – Sub-committee on Test/Research and Development

Composition

The Sub-Committee is composed of a cross-representation of Canadian and international organizations

- Federal, provincial, territorial, and municipal entities;
- Port authorities;
- Terminal operators;
- Professional mariners;
- Maritime technology service providers;
- Ship operators;
- Shipowners and;
- Academic institutions.



5

CFMASS – Sub-committee on Test/Research and Development

Objectives / Deliverables

Work in concert with the other Sub-Committees to develop a Canadian response to autonomous shipping opportunity.

- Develop a MASS technology roadmap for Canada – technology, concept of operation, interoperability framework
- Develop MASS RD&D projects – ideation and prioritization
- Network of domestic and international research agencies
- Foster RD&D support mechanisms – facilities, marine test areas, test protocols, communication on opportunities
- recommendations to the Forum for R&D policy development



6

CFMASS – Sub-committee on Test/Research and Development

Past / Next Steps

- Subcommittee meeting held August 1, 2019
- Project ideation workshop held August 29, 2019 in Quebec City
 - Project concepts being developed – for possible submission to Superclusters. Workshop report will be circulated.
- Dates for next Subcommittee meeting being proposed.
- Focus on Roadmap development



7

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MERCI / THANK YOU

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8