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The MSC proceedings are intended to foster dialogue addressing maritime affairs in the Pacific region and around the world. What follows is a description of the topics to be discussed, along with short thematic descriptions designed to spur discussion amongst our panelists and delegates.

The sea has long been the basis of prosperity and security. A stable and secure ocean commons has been the foundation of the massive expansion of trade, communications, and wealth across the world. This expansion has seen a significant accumulation of seapower in the Indo-Asia-Pacific region, a progression that has been accompanied by new challenges brought about by strategic, political, environmental and technological change. Change is expected, but not predictable. It is therefore critical for lawmakers, naval planners, academics and industry operators to reflect on the past, assess the present, and think critically about the future in terms of the evolution and application of seapower. Are maritime stakeholders prepared to anticipate, adapt and respond to the challenges and opportunities presented by an increasingly dynamic maritime environment?

MONDAY, 15 OCTOBER (ARRIVALS AND INTRODUCTIONS)

0800 – 1500 - Royal Canadian Navy Familiarization Event – Daysail on board HMCS VANCOUVER
- Meet outside conference hotel for bus transport to Canadian Forces Base Esquimalt

1830 – 2030 - Welcome Reception – Rotunda at the Legislative Assembly of British Columbia

TUESDAY, 16 OCTOBER (PROCEEDINGS, DAY 1)

0715 – 0755 - Continental Breakfast – Fairmont Empress Hotel

0800 – 0805 – Opening Remarks
- Admiral (RCN Ret'd) John Anderson, Navy League of Canada

0805 – 0835 - Keynote Address
- Vice-Admiral Ron Lloyd, Commander Royal Canadian Navy

0835 – 0900 - PRESENTATION - The Full Spectrum of Maritime Operations
- Dr. Geoffrey Till, Defence Studies, King's College London

The range of roles and responsibilities assigned to navies has never been wider. Modern navies are expected to fight wars, protect exclusive economic zones, combat drug trafficking, respond to humanitarian disasters, and serve as ambassadors of their home countries. Has our understanding and application of seapower kept pace with the evolution of political, legal, and security considerations in the maritime domain?

0905 – 1035 - PANEL - The Evolving Seascape: Understanding the Future Maritime Environment

- **Moderator:** Dr. Sarah Taylor, Global Affairs Canada
- **Strategic Posturing in the Indo-Asia-Pacific** – Dr. Mohan Malik, DKI Asia-Pacific Center for Security Studies
- **New Theatres of Operation: The Polar Prospect** – Rear-Admiral (RCN Ret'd) Nigel Greenwood, Greenwood Maritime
- **The Maritime Silk Road: Where does it lead?** – Dr. Xue Gong, S. Rajaratnam School of International Studies

Change is constant in the maritime realm. The first decades of the 21st century have witnessed rapid shifts in the global balance of seapower, the emergence of new transnational threats, and alterations of the strategic seascape. How will trends such as the opening of the polar seas and new intercontinental basing and infrastructure projects impact the world's seafaring states, and how will states respond to the growing list of maritime risks that surpass national jurisdictions?

1035 – 1105 - COFFEE BREAK

TUESDAY, 16 OCTOBER (PROCEEDINGS, DAY 1) CONTINUED

1105 – 1235 - PANEL - Building Strategic Resolve: Policy, Platforms and Partners in Maritime Security

- **Moderator:** Rear-Admiral (Ret'd) Roger Girouard, Assistant Commissioner, Canadian Coast Guard
- **Charting a New Course: Policy Development** – Rear Admiral Saito Akira, Japan Maritime Self-Defense Force
- **Delivering on Procurement Ambitions** – Rear Admiral Peter Quinn, Royal Australian Navy
- **Involving Communities of Interest** – Ms. Hoang Thi Ha, Association of Southeast Asian Nations Studies Centre

The development and employment of maritime forces requires the mobilization of a large cross-section of partners. Successful maritime strategies must be informed by strong government policies, supported by national publics and local communities, and sustained by trusted relationships with industry. In what ways can coordination between these various groups be strengthened? What gaps exist in our ability to build and sustain strategic resolve in the maritime realm?

1245 – 1405 - Lunch at the Union Club of British Columbia

Luncheon Address: The South China Sea – A Power Struggle in Asia

- Mr. Bill Hayton, Chatham House

1415 – 1455 - PRESENTATION – Ocean Dynamics

- Dr. Kate Moran, Ocean Networks Canada

The state of the world's oceans is a pillar of maritime security. Not only are the oceans a vital source of food billions of people, they are a complex ecosystem that support economic prosperity and human security beyond the sea. What changes are occurring in the natural environment and how might such changes impact the way in which security stakeholders interact with the ocean, both regionally and globally?

1500 – 1700 - PANEL - The Future Fleet: Investing in a New Maritime Era

- **Moderator:** Captain(N) Jason Armstrong, Royal Canadian Navy
- **Fleet Composition: Quantity vs. Quality** – Dr. Collin Koh Swee Lean, S. Rajaratnam School of International Studies
- **Air Power at Sea** – Lieutenant General Nagashima Jun, Japan Air Self-Defense Force
- **The Subsurface Dimension** – Vice Admiral (Indian Navy Ret'd) P.K. Chatterjee

Introducing new platforms, capabilities and competencies is a complex undertaking. In an era of increased demands and new challenges, navies must be forward looking in their strategies and adaptation of technology in order to sustain highly responsive, agile and deployable fleets. Will unmanned and automated systems support the drive for greater efficiency, and how are navies navigating the quality-versus-quantity debate? In what other ways can the potency of the future fleet be enhanced across the air, surface, and subsurface dimensions of maritime operations?

1540 – 1610 - COFFEE BREAK

1800 – 2100 - Conference Banquet Dinner at the Union Club of British Columbia

Banquet Address

- Vice Admiral John Alexander, Commander Third Fleet, United States Navy

WEDNESDAY, 17 OCTOBER (PROCEEDINGS, DAY 2)

0715 – 0755 - Continental Breakfast – Fairmont Empress Hotel

0800 – 0900 - Debate: The Continuing Relevance of the Aircraft Carrier

- **Moderator:** Dr. Geoffrey Till, Defence Studies, King's College London
- **Discussant:** Dr. Rob Farley, University of Kentucky
- **Discussant:** Mr. Ben Ho Wan Beng, S. Rajaratnam School of International Studies

The aircraft carrier has been regarded as the foremost example of naval power since the Second World War. The longstanding assumption that navies with global aspirations need to operate aircraft carriers has been challenged in recent years by technological and tactical advancements – including long-range anti-ship missile and swarm tactics – that have raised significant questions as to whether these vessels are operationally worth their immense construction and operational costs. What are the pros and cons of the centrality of aircraft carriers in maritime power, and how are regional players hedging their bets?

0905 – 1035 - PANEL - The Innovation Imperative: Enabling Flexibility through Technology & Transformation

- **Moderator:** Mr. Eric Fournier, Defence Research and Development Canada
- **Opportunities and Limitations of Technology** – Dr. Tim Benbow, King's College London
- **The Next Wave of Technological Change** – Ms. Elsa Kania, Center for a New American Security
- **The Human Factor: Supporting a Culture of Innovation** – Commander Graham MacLean, Royal New Zealand Navy

The creation and application of new technology can be the hallmark of an agile and adaptive organization. Indeed, the scope and speed of technological change is presenting unparalleled opportunities to pursue smarter, faster, more cost-effective ways of delivering success at sea. However, improved effectiveness requires more than hardware alone. How will technological innovation change the seascape? And how must navies re-think the way novel solutions to complex problems are generated and incorporated as a transformative agent of change?

1035 – 1105 - COFFEE BREAK

1105 – 1235 - PANEL – A View from the Atlantic: Strengthening NATO's Maritime Posture

- **Moderator:** Rear-Admiral Bob Auchterlonie, Royal Canadian Navy
- **NATO's Maritime Challenges** – Captain Richard Rhinehart, NATO Allied Maritime Command
- **Germany's NATO Contribution** – Rear-Admiral Jürgen zur Mühlen, German Navy
- **Russia's Naval Renewal** – Dr. Michael Petersen, US Naval War College

NATO remains the largest political-military alliance, and the sea is an increasingly indispensable pillar of the alliance. With the combined national power of 29 member states, NATO serves as an essential example of deterrence, intergovernmental coordination and cooperation, shared economic prosperity, and global diplomacy – both at sea and from the sea. As the type and intensity of security challenges to NATO members evolve, how is the alliance seeking to adapt and evolve its central capabilities to support expectations placed on NATO's maritime forces? Furthermore, how can experiences in crisis response, cooperative security, and strategic resolve be translated across geographical theatres of operation?

1245 – 1405 - Lunch at the Union Club of British Columbia

Luncheon Address: Cyber in the Maritime Domain

- **Vice Admiral (USN Ret'd) Jan Tighe, outgoing Deputy Chief of Naval Operations for Information Warfare**

WEDNESDAY, 17 OCTOBER (PROCEEDINGS, DAY 2) – CONTINUED –

1415 – 1455 - Presentation: Maritime Calculations on the Korean Peninsula

- Dr. Ian Bowers, Norwegian Institute for Defence Studies

The threat from North Korea extends beyond its nuclear weapons. Significant elements of the crisis have moved to sea and will require a highly coordinated international naval response. Measures to prevent North Korea's illicit seaborne trade or to counter the range of asymmetric threats posed by Pyongyang's naval forces could embroil international navies in the most complex maritime operations seen in decades. What is the scope of the challenges faced, and what might the international community do to prepare for these contingencies?

1500 – 1700 - PANEL - The Cooperation Coefficient: Multinational Efforts to Secure the Ocean Commons

- **Moderator:** Lieutenant Colonel Scott McDonald (USMC), Military Professor, DKI Asia-Pacific Center for Security Studies
- Vice-Admiral (Philippine Navy Ret'd) Jose Luis M. Alano, National Coast Watch Council Secretariat
- Captain Ahmad Faridi bin Ferdaus, Malaysian Maritime Enforcement Agency
- Lieutenant Colonel Ngo Xuan Truong, Institute of Defense International Relations

The maritime environment is inherently international, as are the solutions to security challenges in this crucial domain. Although, most states recognize cooperation is essential in addressing our shared interests at sea, we often fall short of the mark. How can countries expand opportunities to address challenges cooperatively? How are states coping with an increasingly crowded international space? Are existing structures sufficient to address evolving challenges or do they themselves need to evolve?

1540 – 1610 - COFFEE BREAK

THURSDAY, 18 OCTOBER (PROCEEDINGS, DAY 3)

0715 – 0755 - Continental Breakfast – Fairmont Empress Hotel

0800 – 0830 - PRESENTATION - The Indo-Pacific: A Strategic Outlook

- Rear Admiral (USN Ret'd) Peter A. Gumataotao, Director, DKI Asia-Pacific Center for Security Studies

0835 - 0935 - Attitudes towards the Regional Security Environment

- An interactive polling session and plenary discussion for all attendees
- **Moderator:** Lieutenant Colonel Scott McDonald (USMC), Military Professor, DKI Asia-Pacific Center for Security Studies

0935 – 1005 - COFFEE BREAK

1005 - 1125 - ROUND TABLE - The Future of Pacific Seapower

- An interactive roundtable featuring MSC18 participants
- **Moderator:** Dr. James Boutilier, Special Advisor, Maritime Forces Pacific, Royal Canadian Navy

1125 – 1145 - Closing Remarks

- Dr. James Boutilier, Special Advisor, Maritime Forces Pacific, Royal Canadian Navy

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