



Royal United Services Institute of Nova Scotia Dispatches 27 November 2020

The Royal United Services Institute of Nova Scotia provides a forum for the study, promotion and debate of defence and security issues.

Dispatches is a weekly collection of links and news of current interest, included those tweeted and posted by the Institute on social media. Links to articles are checked at the time they are put into *Dispatches* but may be unavailable at a later date or in some states other than Canada.

If you are not a routine recipient of *Dispatches* but wish to be so, email the Institute's Chief Information Officer (CIO) at RUSINovaScotia@gmail.com. If you do not want to receive *Dispatches*, or wish to receive it at some different frequency, please inform the CIO. If you wish to receive *Dispatches* at a different address (i.e., not your work address), please inform the CIO. Past editions of *Dispatches* may be requested by contacting the CIO.

Everyone is encouraged to email to the CIO links and other content to be included in *Dispatches*.

Submissions and feedback are welcome anytime. Comments to articles can be from members or non-members of RUSI(NS). Any comment in *Dispatches* is the sole opinion of the author and does not necessarily represent the views of the Canadian Department of National Defence, the Canadian Armed Forces, the Royal Canadian Mounted Police or the Royal United Services Institute of Nova Scotia

RUSI(NS) also publishes:

1. a weekly Dimensions Newsletter, (formally called *Defence & Security Newsletter*) aimed at opinion leaders and industry. If you are interested in receiving this newsletter, email admin@duncom.ca; and
2. a weekly *China Open Source Newsletter* of articles curated from Chinese military-related websites based inside mainland China. If you are interested in receiving this newsletter, email RUSINovaScotia@gmail.com.

Visit the Watch. A publication from NORAD/USNORTHCOM on Face Book.

To view go to
<https://www.facebook.com/TheWatchNorthcom/>



Events:

To list an event in *Dispatches*, email the CIO by noon Thursday. RUSI(NS) events are by invitation only. If you are interested in attending and have not been invited, email RUSINovaScotia@gmail.com. RUSI(NS) events may be cancelled at short notice – email RUSI(NS) if there is a question of an event occurring.

New: 2 December, Wednesday – RCN presentation by Captain(N) Christopher Nucci, Director Naval Strategy, speaking about the Canadian Surface Combatant project ships, titled “The RIGHT ship for the

Royal Canadian Navy, the RIGHT ship for Canada.” 2:30-3:30 pm EST, via Zoom. To register, email Kray.Robichaud@forces.gc.ca, include your full name and professional details (i.e., position/title and organization). Bio available on request. See poster at end of Dispatches,

9 December, Wednesday - RUSI(NS) Distinguished Speaker Derek Moss, Canadian Coast Guard, to present “Canadian Coast Guard Fleet Renewal.” 1300-1500, via Zoom. To register, email RUSINovaScotia@gmail.com by end Sun, 6 Dec. Zoom instructions will be emailed by end Mon, 7 Nov.

20 January 2021, Wednesday – RUSI(NS) Distinguished Speaker TBA. 1300-1500, via Zoom. Call-to-meeting and invitations will be sent soon.

Recent Publications:

New: RUSI(NS) Presentations “Arctic Continental Defense: Canada and US Perspectives” by LCol Burke, JTFN, and Mr Davis, NORAD and NORTHCOM, 18 November 2020
https://rusi-ns.ca/arctic_continental_defence/

RUSI(NS) Presentations “Marine Industry Supply Chains of Canadian Shipyards in the Era of the National Shipbuilding Strategy” by Philippe Flébus, Lindsey Kettel and Steve Christiansen, 14 October 2020
<https://rusi-ns.ca/marine-supply-chain/>

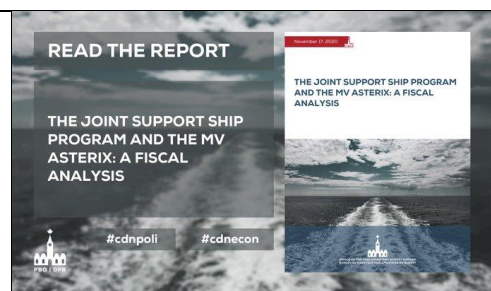
The Military Institute of Windsor Communiqué, Volume XXXVIII Number 10 November 2020 is available on request to RUSINovaScotia@gmail.com.

The United Services Institute of Nanaimo and North Island (USINNI) Newsletter Vol 28 No 11 November 2020 is available on request to RUSINovaScotia@gmail.com.

University Training Divisions Association Gunroom Shots Volume 1, Issue 1, November 2020, is available on request to RUSIINovaScotia@gmail.com.

Tweeted by @RUSI_NS: RUSI(NS) tweets may also be viewed by clicking on the icon at <https://RUSI-NS.ca>. To have something tweeted or retweeted, email the CIO at RUSINovaScotia@gmail.com. Original article title in parentheses.

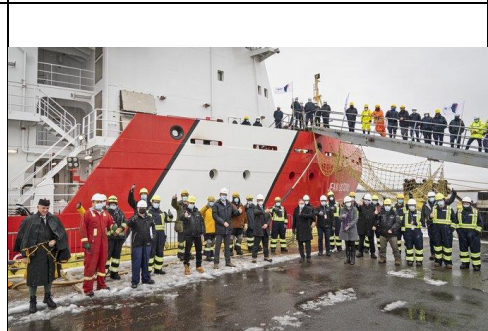
National Defence @NationalDefence 17 Nov tweeted and RUSI(NS) retweeted: Statement by the Department of National Defence on the Parliamentary Budget Officer’s Report on the Joint Support Ships
<https://canada.ca/en/department-national-defence/news/2020/11/statement-by-the-department-of-national-defence-on-the-parliamentary-budget-officers-report-on-the-joint-support-ships.html>



Canadian Armed Forces @CanadianForces 20 Nov tweeted and RUSI(NS) retweeted: The 8th and 9th interim jets are in Flag of Canada. Could one of these be Appa's? #OkSeeYou #ThisIsTheWay Once modified, they will join our current fleet. Previously delivered jets have already been flown nearly 200 hours by the @RCAF_ARC. #Wellequipped #AvGeek <https://canada.ca/en/department-national-defence/services/procurement/fighter-jets/supplementing-cf-18-fleet.html>
(Supplementing the CF-18 fleet)



Davie Shipbuilding @chantierdavie 23 Nov tweeted and RUSI(NS) retweeted: Davie delivers CCGS Jean Goodwill : the first fully converted icebreaker from Canada's Medium Icebreaker program <https://canada.ca/en/canadian-coast-guard/news/2020/11/government-of-canada-strengthens-canadian-coast-guards-icebreaker-fleet-with-arrival-of-second-interim-icebreaker-from-davie-shipbuilding.html>
(Government of Canada strengthens Canadian Coast Guard's icebreaker fleet with arrival of second interim icebreaker from Davie Shipbuilding)



ASPI @ASPI_org 24 Nov tweeted: 'The national health security resilience assessment will 'examine the capacity of the Australian research and development sector to manufacture and distribute priority products and solutions that can build sovereign resilience', writes ASPI's @johncoyne14
(Preparing for the next pandemic <https://www.aspistrategist.org.au/preparing-for-the-next-pandemic/>)
RUSI(NS) retweeted: 'National health security resilience assessment.' Something CAN🇨🇦 should be doing as part of an integrated defence/security/safety review?



Indigenous-led coast guard auxiliary patrols great way to build local strength & sovereignty using local knowledge, expertise & commitment <https://www.prpeak.com/canada-s-first-indigenous-led-coast-guard-auxiliary-patrols-b-c-s-rugged-coast-1.24243525> Part of overall defence, security & safety of maritime CAN🇨🇦 #ExcellenceAtSea(Coast)
(Canada's first Indigenous-led coast guard auxiliary patrols B.C.'s rugged coast)



"As we (@CanadianForces) roll out our CAN🇨🇦 capability, the focus of our ability to do surveillance testing is focusing on deployed operations first" <https://www.cbc.ca/news/politics/canadian-forces-covid-pandemic-testing-1.5810382> #CAF ensuring readiness&capability under #COVID-19 conditions to meet national objectives
(Canadian military looking to conduct its own coronavirus testing)



<https://www.cbc.ca/news/politics/canadian-forces-covid-pandemic-testing-1.5810382>)

Posted on Facebook Royal United Services Institute NS with comments:

Thousands of chaplains have served Canada's military in war and peace

<https://torontosun.com/opinion/columnists/taylor-thousands-of-chaplains-have-served-canadas-military-in-war-and-peace>



Though it is good to see this article about the Canadian Armed Forces Chaplain Branch, and I suspect that chaplains are happy to have their history celebrated, there is a significant error in the last paragraph in the article. "Onward Christian Soldiers" is no longer the branch march and hasn't been for many years. The branch march is "Ode to Joy." Inclusive.

NATO Experiments With Deceptive Tactics to Lure Russian Hackers

<https://www.defenseone.com/technology/2020/11/nato-experiments-deceptive-tactics-lure-russian-hackers/170248/>



Good to see cyber ops tactics being experimented with, gamed and used. Use of deception (and even honeypots) is old, but practicing in a newish domain makes sense, if only to train operators.

Texas National Guard to help El Paso morgues with virus dead

<https://www.militarytimes.com/news/your-army/2020/11/22/texas-national-guard-to-help-el-paso-morgues-with-virus-dead/>



In the military (including Canadian Armed Forces), mortuary affairs is a logistic responsibility.

The Great Drone Lesson: What India could learn from Azerbaijan's victory over Armenia | Deep Dive

<https://www.indiatoday.in/news-analysis/story/drone-india-learn-azerbaijan-victory-armenia-deep-dive-1742900-2020-11-21>



"Drone cameras are a key aspect of warfare. They can film the destruction of a target in clear, unwavering high definition videos, allow countries that use them to dominate the narratives."

Drone war = info war!

We should worry about Chinese venture capital funding

<https://www.aei.org/foreign-and-defense-policy/we-should-worry-about-chinese-venture-capital-funding/>



"...parliaments and governments are beginning to take seriously the risk of vital technology and expertise being lost to their countries — and gained by a geopolitical rival — through takeovers. ... Innovation is ultimately what we must protect."

Economic warfare!

IP Dispute May Slow Canada's Plans to Procure New Frigates

<https://thediplomat.com/2020/11/ip-dispute-may-slow-canadas-plans-to-procure-new-frigates/>



Hmm, is the implication of this that Canada should have more in-country capability to build our warships (and other complex government ships)? Less dependence on allies ("Nations Do Not Have Permanent Friends or Enemies, Only Interests")?

Coast Guard Icebreaker Polar Star Bound for the Arctic in December

<https://news.usni.org/2020/11/20/coast-guard-icebreaker-polar-star-bound-for-the-arctic-in-december>



"This would be the first (US) Coast Guard operation in the Arctic Ocean since August 1994 when a now-deactivated heavy icebreaker with a Canadian Coast Guard heavy icebreaker reached the North Pole."

Good, there may be opportunities for collaboration between the Canadian and US Coast Guards resulting from the deployment of POLAR STAR to the Arctic. If nothing else, it should result in different staff discussions and planning.

And some good pictures.

POLAR STAR and POLAR SEA were active in the Arctic up to about 2006 when both went into reserve status then extended refit periods. POLAR SEA decommissioned in 2011 after main diesel generator failures in 2010 and then was used for parts for POLAR STAR. POLAR STAR was back in the Arctic in 2013 for trials prior to going back to serve for Operation Deep Freeze.

Submarines May Have Nowhere To Hide With U.S. Navy Set To Field Radical New Radar

<https://www.forbes.com/sites/davidhambling/2020/11/16/new-us-navy-airborne-radar-may-spot-submerged-submarines/?sh=73dac55e55d4>



There frequently have been announcements of technology that will make the oceans transparent and reduce the threat of submarines. History keeps reminding us: anti-submarine warfare has to be a team operation with lots of players (including our own submarines) and practice, and submarines remain potent adversaries.

Artificial Intelligence at NATO: dynamic adoption, responsible use

<https://www.nato.int/docu/review/articles/2020/11/24/artificial-intelligence-at-nato-dynamic-adoption-responsible-use/index.html>



There is increasing recognition of the challenges associated with data curation for AI in defence. It needs to be structured in a standard form and assembled for a specific task, but also stored and interoperable with other material so that it is available for later issues where it is deemed relevant. The cost, location and security of data storage facilities, often misleadingly referred to as the cloud, are further considerations.

Professor Trevor Taylor
Professorial Research Fellow in Defence Management
Royal United Services Institute for Defence and Security Studies

Department of Defence targets new €200m, multi-purpose naval ship

<https://www.irishexaminer.com/news/arid-40086203.html>



"Longer ships will be required in the Naval Service in the coming years because climate change has contributed to far rougher weather and far bigger waves in the Atlantic."

We've been reading for a while of the impact of climate change on marine infrastructure (piers, wharfs, etc.). It is interesting to note how climate change may be affecting ship design.

Multi-role ships are increasingly being seen as very useful ship types to be included in navy force structures. Fleet composition in a 'balanced navy' may (should) be changing.

The new Type 32 Frigate – What do we know?

<https://ukdefencejournal.org.uk/the-new-type-32-frigate-what-do-we-know/>



"...hopes of bringing the escort fleet up to 24 vessels from its current 19."

There's something to be said for numbers of ships, especially frigates, the modern globally-deployable workhorses of a fleet (echo of Admiral Nelson).

Canada needs to keep to its 15 ships (frigates) to come from the Canadian Surface Combatant project. We could probably do with more (at one time we were committing 24 escorts to NATO, and conditions are returning to what they were then when we made that commitment), say 16 to 18, but the government has made its decision and so far has been stating they will hold to it.

Australia's Hunter-class frigates are coming, but maybe not soon enough

<https://www.aspistrategist.org.au/australias-hunter-class-frigates-are-coming-but-maybe-not-soon-enough/>








"... all shipbuilding projects start construction with an incomplete design."

The Australian writer wrote 'all shipbuilding projects.' He is correct. Expectations with the design stage (particularly duration) of building a ship, and with issues with first-of-class, have to be tempered. Warships are very complex. New technology (e.g., 3D design) helps but does not ensure no problems with a design.

Note that the Australian Hunter-class and Canadian Surface Combatant project ships (first-of class/class name not yet announced) are both based on the Royal Navy Type 26 frigate. But all three will vary greatly in weapons, sensors and other aspects.

"It's a salutary reminder that it doesn't matter how much you spend on ships if you don't have the people to operate them." Yes, putting together a ship's company (captain, officers and crew) and training them to work as a team, particularly when a ship is so different than what the people are used to before, is a significant challenge. Leadership and sailors with the right attitude can make a tremendous difference.

Posted on Facebook Royal United Services Institute NS: RUSI(NS) postings may be viewed by clicking on the icon at <https://RUSI-NS.ca>. To have something posted or commented, email the CIO by noon Thursday.

 <p>https://mailchi.mp/rusi.org/weekly20november-170398?e=a539211a30</p>	
<p>Ottawa launches independent review of Canada's beleaguered military-justice system</p> <p>https://www.kitchenertoday.com/national-news/ottawa-launches-independent-review-of-canadas-beleaguered-military-justice-system-2882940</p>	
<p>French Navy puts fresh focus on high-intensity combat training</p> <p>https://www.defensenews.com/global/europe/2020/11/19/french-navy-puts-fresh-focus-on-high-intensity-combat-training/</p>	
<p>Japan launches first ship of new frigate class</p> <p>https://www.defensenews.com/naval/2020/11/19/japan-launches-first-ship-of-new-frigate-class/</p>	

South Korea to deploy unmanned K9 howitzer by 2040

<https://www.defensenews.com/unmanned/2020/11/19/south-korea-to-deploy-unmanned-k9-howitzer-in-2040/>



PBO reports on cost of JSS project vs buying Asterix and Obelix

<https://vanguardcanada.com/2020/11/18/pbo-reports-on-cost-of-jss-project-vs-buying-asterix-and-obelix/>



U.S. Navy admiral makes unannounced visit to Taiwan, sources say

<https://www.reuters.com/article/us-taiwan-usa/u-s-navy-admiral-makes-unannounced-visit-to-taiwan-sources-say-idUSKBN2820BH>



China's major Indo-Pacific trade deal a 'wake-up call' for US and Europe

<https://www.washingtonexaminer.com/policy/defense-national-security/chinas-major-indo-pacific-trade-deal-a-wake-up-call-for-us-and-europe>



How One Social Media App Is Beating Disinformation





<https://foreignpolicy.com/2020/11/23/line-taiwan-disinformation-social-media-public-private-united-states/>



Canadian UAVs

http://www.canadiandefencereview.com/featured_content?blog/216



<p>Interview with Rear Admiral BRIAN SANTARPIA</p> <p>http://www.canadiandefencereview.com/featured_content?blog/214</p>	
<p>Four factors to consider in keeping NATO relevant</p> <p>https://www.defensenews.com/opinion/commentary/2020/11/24/four-factors-to-consider-in-keeping-nato-relevant/</p>	
<p>CSIS alleges Iran used Toronto company to wire millions to Canada despite sanctions</p> <p>https://globalnews.ca/news/7468366/csis-iran-toronto-company-millions-canada-sanctions/</p>	
<p>The Quad's Malabar Exercises Point the Way to an Asian NATO</p> <p>https://foreignpolicy.com/2020/11/25/india-japan-australia-u-s-quad-alliance-nato/</p>	

Other Sources: Recommendations for ‘themes’ (e.g., #drones) to list in this section are welcome.

#air power

Air Forces the Next Generation

Book review: <https://wavelroom.com/2020/11/20/an-interview-with-the-editor-of-air-forces-the-next-generation-dr-amit-gupta/>

#amphibious warfare

On Contested Shores - The Evolving Role of Amphibious Operations in the History of Warfare

https://www.usmcu.edu/Portals/218/OnContestedShores_web.pdf

#COVID-19

Rule of Law during Pandemics

<http://pksoi.armywarcollege.edu/2020/11/12/rule-of-law-during-pandemics/>

#cyber ops

Canadian agency warns of 'strategic' cyberthreats posed by Russia, China

<https://www.theglobeandmail.com/politics/article-canadians-at-risk-from-hacking-misinformation-by-russia-china-and/>

Report "National Cyber Threat Assessment 2020" at <https://cyber.gc.ca/en/guidance/national-cyber-threat-assessment-2020>

Space Cybersecurity in the Age of Defending Forward

<https://www.lawfareblog.com/space-cybersecurity-age-defending-forward>

#defence planning

Put societal resilience at the center of defense planning

<https://www.aei.org/op-eds/put-societal-resilience-at-the-center-of-defense-planning/>

#information management

How the IIoT is about to destroy the Noon Report as we know it

Say it isn't so!: <https://www.hellenicshippingnews.com/how-the-iiot-is-about-to-destroy-the-noon-report-as-we-know-it/>

Acronym alert: IIoT = Industrial Internet of Things

#information operations

Russia's Footprint in the Nordic-Baltic Information Environment 2019/2020

<https://www.stratcomcoe.org/russias-footprint-nordic-baltic-information-environment-20192020>

Canada is in the region. The report barely mentions us - twice.

#logistics

Reviewing Feeding Victory

<https://thestrategybridge.org/the-bridge/2020/11/25/reviewing-feeding-victory>

#policing

The New Age of Police Reform – Parts 1 and 2

<https://www.domesticpreparedness.com/journals/october-2020/>

The New Age of Police Reform – Parts 3 and 4

<https://www.domesticpreparedness.com/journals/november-2020/>

#Reserves #logistics

Mission Improbable: The Transformation of the British Army Reserve

<https://wavellroom.com/2020/11/18/wavellreviews-mission-improbable-the-transformation-of-the-british-army-reserve-by-patrick-bury/>

#space

Presentation: 'The ultimate high ground'

<https://thesimonscenter.org/ultimate-high-ground-brown-bag/>

#strategy

The Nature of Strategy: Pericles and the Peloponnesian War

<https://thestrategybridge.org/the-bridge/2017/10/29/the-nature-of-strategy-pericles-and-the-peloponnesian-war>

Sthenelaidas and Performance as Strategy

<https://thestrategybridge.org/the-bridge/2020/11/24/sthenelaidas-and-performance-as-strategy>

#warfare

Warfare, Dinner Jackets, Hammers and Nails

<https://wavellroom.com/2020/05/07/warfare-dinner-jackets-hammers-and-nails/>

Other:

Halifax International Security Forum

The Halifax International Security Forum Concludes with Firm Foreign Policy Direction for the World's Democracies

The Halifax International Security Forum (HFX) concluded its proceedings 22 November but the conversations started at HFX2020 - on topics like China, American engagement and the future of the international order - will continue for months to come.

“The global pandemic forced most of our discussions online this year, but HFX showed once again why it is the premier gathering of security and defense experts in the world. We welcomed 300 participants from over 80 democratic countries with thousands more joining in through social media,” said HFX President Peter Van Praagh. “While our conversations may have been virtual, the results were concrete and they established a solid blueprint for countries to follow in 2021.”

Among the many highlights of HFX2020:

- **Release of the HFX China Handbook** - Modern-day China has emerged as the most powerful authoritarian state in the history of the world. The [HFX Handbook for Democracies](#) contributes to building a common understanding of the serious challenge that China poses. The handbook features the [HFX China Principles](#) that defend the values that underpin democratic societies. Over the course of HFX2020, the handbook (available in English, French and Chinese) was downloaded over 2,000 times.
- **Optimism Around United States Re-Engagement in Foreign Affairs** - Senior U.S. politicians and military leaders sounded an optimistic note that the new Biden Administration would make foreign affairs a priority. Participants referred to recent announcements that the United States would rejoin the World Health Organization and sign back on to the Paris Agreement on Climate Change. They were also encouraged by the larger role that middle powers like Canada, Australia and Latvia can play in international affairs.
- **Reforming International Institutions to Address New Challenges** - In the face of growing threats from China and Russia, as well as challenges that are no longer just military in nature, HFX2020 participants acknowledged that the current world order needs to adapt. International institutions and security organizations must take a more holistic approach that includes health, infrastructure, trade, technology, and culture.

HFX2020 participants also heard from President Recep Tayyip Erdoğan of Turkey; Estonian President Kersti Kaljulaid; U.S. Secretary of State Michael R. Pompeo; Canada's Minister of National Defence

Harjit Sajjan; Secretary of the U.S. Navy Kenneth Braithwaite; Hulusi Akar, Minister of Defense, Turkey; Peter Hultqvist, Minister of Defence, Sweden; Luxembourg's Defense Minister Juri Luik; and NATO Secretary General Jens Stoltenberg.

Halifax International Security Forum awarded its prestigious Builder Award to Gen. Jonathan Vance, Canada's Chief of Defence Staff and introduced delegates to the military officers who are part of HFX's marquee Peace With Women Fellowship.

"I am particularly proud of the work that HFX has done on our China Handbook. We have launched a campaign that will mobilize political and financial support for the principles in the document, so I am confident that the work will continue," concluded Van Praagh. "Delegates will see the results of this international effort in 2021 when we gather together, in-person, in Halifax, Nova Scotia."

News for those who miss the old Stad gym at CFB Halifax:
 Design phase for temporary **Stadacona fitness facility** underway
<https://tridentnewspaper.com/temporary-fitness-facility/>

CANADIAN SURFACE COMBATANT



The right ship for the RCN. The right ship for Canada.



Aviation Facilities

- 1 x CH-148 Cyclone Helicopter
- Space for embarking Remotely Piloted Systems
- Helo Hauldown and Traverse System – *Indal Technologies Inc.*

Surveillance & Weapon Sensors

- Solid State 3D Active Electronically Scanned Array (AESA) Radar – *LMC SPY-7*
- Solid State AESA Target Illuminator – *MDA*
- Navigation Radars – *X & S Band*
- Electro-Optical and Infrared Systems

Command & Control

- Combat Management System – *LMC CMS 330 with AEGIS*
- USN Cooperative Engagement Capability – *Sensor Netting*
- Integrated Cyber Defence System
- Integrated Bridge and Navigation System – *OSI*
- Internal and External Communication Suite – *L3 Harris*

Electronic Warfare & Countermeasures Suite

- Radar/Radio ESM Frequency Identification
- Laser Warning and Countermeasures System
- Radio Frequency and Electronic Jammers
- Electronic Decoy System



Weapons

- Lightweight Torpedoes MK54 & Twin Launch Tubes
- Close-In Air Defence System – *MBDA Sea Ceptor*
- Surface-to-Surface Anti-Ship Missile – *Kongsberg Naval Strike Missile*
- 2 x Stabilized Rapid Fire 30mm Naval Gun System – *BAE*

Propulsion & Power Generation

- Combined Diesel-Electric or Gas Propulsion System (CODLOG)
- 2 x Electric Motors – *GE*
- 1 x Gas Turbine – *Rolls Royce MT 30*
- 4 x Diesel Generators – *Rolls Royce MTU*
- Integrated Platform Management System – *L3 Harris*

Weapons

- Missile Vertical Launch System 32 Cells – *LMC MK 41*
- Area Air Defence Missiles – *Raytheon Standard Missile 2*
- Point Defence Missiles – *Raytheon Evolved Sea Sparrow*
- Naval Fires Support – *Raytheon Tomahawk*
- Main Gun System – *127mm*

Reconfigurable Mission & Boat Bays

- 1 x Rescue Boat – *9 metres*
- 2 x Multi-Role Boats – *9-12 metres*
- Mission Bay Handling System – *Rolls Royce*
- Modular Mission Support Capacity – *Sea Container, Vehicles, Boats*

Integrated Underwater Warfare System

- Towed Low Frequency Active & Passive Sonar – *Ultra Electronics*
- Hull-Mounted Sonar – *Ultra Electronics Sonar S2150*
- Towed Torpedo Countermeasures – *Ultra Electronics SEA SENTER S21700*
- Sonobuoy Processing System – *General Dynamics*
- Expandable Acoustic Countermeasures

Specifications:

Length: 151.4 metres Displacement: 7800 tonnes Range: 7000 nautical miles
 Beam: 20.75 metres Navigational Draught: ~8m Class: 15 ships
 Speed: 27 knots

Habitability:

Accommodations: ~204 Dedicated Gym/Fitness Facilities
 Medical Facilities Shipboard Wi-Fi





Rumours are that in the interest of efficiencies, the Canadian Army's armoured branch is going to amalgamate with local police...

