



Royal United Services Institute of Nova Scotia

Dispatches

23 August 2019

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. The most recent four editions are posted to: <https://rusi-ns.ca/dispatches/>. Note that links of 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.

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

Comments to articles can be from members or non-members of RUSI(NS). Feedback is welcome anytime. 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 a weekly *Defence & Security Newsletter*, aimed at opinion leaders and industry. The most recent four editions are posted at: <https://rusi-ns.ca/defence-and-security-newsletter/>. If you are interested in receiving the newsletter, email admin@duncom.ca.

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.

18 September, Wednesday - Distinguished Speaker Major Erik Weigelin, 423 Maritime Helicopter Squadron, speaking about the first operational deployment of the CH148 Cyclone helicopter. 1130-1330 hours. Royal Artillery Park Officers' Mess.

6 November, Wednesday - RUSI(NS) 2019 Remembrance Dinner. Evening, Royal Artillery Park Officers' Mess.

Recent Publications:

RUSI(NS) Info Quest "BREXIT and the Canadian Surface Combatant" <https://rusi-ns.ca/brexit-and-the-canadian-surface-combatant/>, 10 August 2019

RUSI(NS) Information Note "A System to Judge Information Reliability" <https://rusi-ns.ca/a-system-to-judge-information-reliability/>, 4 August 2019

RUSI(NS) paper "The Canadian North, our Airspace, its Surveillance, Air Traffic Control and Search and Rescue - Is Canada doing enough?" by Murray Lee and Ed Young, 1 August 2019
<https://rusi-ns.ca/the-canadian-north-our-airspace-its-surveillance-air-traffic-control-and-search-and-rescue-is-canada-doing-enough/>

RUSI(NS) Presentation "Defence, Innovation and Duct Tape: Innovation Agendas in Application" by LCol Barbarie Palmer RCAF (ret'd), Senior Director Business Development (Air and Land), Bluedrop Training and Simulation, 17 July 2019
<https://rusi-ns.ca/wp-content/uploads/2019/07/DefenceInnovationDuctTape.pdf>

The Military Institute of Windsor Communiqué, Volume XXXVII Number 8 September 2019 is available on request to RUSINovaScotia@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.

VAdm/Vam Art McDonald @Comd_RCN 15 Aug tweeted:
 HMCS VILLE DE QUEBEC conducts fuelling trials at the Nanisivik Naval Facility! BZ to our shipmates at DND Infrastructure & Environment and Nanisivik for their hard work in achieving this huge milestone! #HMCSVilleDeQuebec #ReadyAyeReady #ReadyToLead #Nanisivik



RUSI(NS) retweeted: Someone has certainly come up with an innovative means to refuel ships at austere facilities. Bravo @RCN_MRC & @NationalDefence staff! Welcome development of #Arctic marine infrastructure #Nanisivik

Macdonald-Laurier Institute @MLInstitute 16 Aug tweeted and URUSI(NS) retweeted: NEW REPORT: MLI Senior Fellow @cburton001 offers a new direction for Canada's China strategy – one that takes into consideration the need to safeguard Canadian security, promote Canadian prosperity, and project Canadian values. #cdnpoli #cdnfp (Time for a new direction in Canada's China Strategy: New MLI Report
<https://www.macdonaldlaurier.ca/time-for-a-new-direction-in-canadas-china-strategy-new-mli-report/>)



Great discussion with, probing questions to, solid answers from Major-General MacKenzie, Chief of Reserves & Employer Support @CanadianForces to RUSI(NS)&guests 16Aug19. "Full time capability on part time service."
Email from a RUSI(NS) member: From Op IMPACT alone, it's abundantly clear that without Reservists, the CAF would be sorely pressed to both mount, sustain and execute any deployed op, whether at home or abroad. Some of the stories of employer support for their members to do so have, frankly, been notable and worthy of saluting.



HalifaxShippingNews @HfxShippingNews 16 Aug tweeted: Asterix is Currently in the Panama Canal's Pacific Anchorage, heading back to the East Coast. ETA in Halifax is the 26th. RUSI(NS) retweeted: Atlantic then Pacific then back to Atlantic #Halifax. #MVAsterix, contracted to @RCN_MRC as replenishment oiler: strategic asset being deployed strategically, major part of ensuring #RCNavy is a #BlueWaterNavy & capable of support CAN🇨🇦 policy throughout world ocean



STRATCOMCOE @STRATCOMCOE 19 Aug tweeted and RUSI(NS) retweeted: "The use of social media to peddle political and electoral interference is not new... Usually, though, it is more subtle and cleverly orchestrated than the blunt promoted tweets that China's state media has been paying to Twitter to publish."

(China Pays Twitter To Promote 'Fake News' Attacks On Hong Kong Protesters

<https://www.forbes.com/sites/zakdoffman/2019/08/19/twitter-under-fire-for-running-chinese-ads-attacking-hong-kong-protesters/>



Patrick Muncaster @PatrikMuncaster 18 Aug tweeted and RUSI(NS) retweeted: How the UN is Preparing for the Era of Smart Policing: <https://until.un.org/news/crime-and-punishment-until-interview-irakli-beridze-and-odhran-mccarthy-how-un-preparing-era> "Increasingly the United Nations is being asked by Member States to assist in the development of artificial intelligence (AI) and complex decision-making processes. #AIPolicy #cdnpoli #bcpoli (Crime and Punishment: An UNTIL Interview with Irakli Beridze and Odhran McCarthy on How the UN is Preparing for the Era of Smart Policing)



Presentation by Capt(N) Darren Garnier @darrenmgarnier #RCNavy "Combined Task Force 150" to RUSI(NS)&guests 21Aug19 https://rusi-ns.ca/ctf_150/ @RCN_MRC @CMF_Bahrain #CTF150 #OpARTEMIS



Posted on Facebook Royal United Services Institute NS with comments:

How Huawei helped extend China's repressive view of Internet freedom to African nations

<https://www.washingtonpost.com/news/powerpost/paloma/the-cybersecurity-202/2019/08/15/the-cybersecurity-202-how-huawei-helped-extend-china-s-repressive-view-of-internet-freedom-to-african-nations/5d547a72602ff15f906576c3/>



Joseph Marks, Washington Post, Cybersecurity 202 newsletter, 15 Aug 2019.

This report outlines how in-country Huawei employees assisted the Ugandan government in spying on the political opposition and the Zambian government on its dissidents. In the former case, Huawei helped the police break into the encrypted communications of its opposition party and, in the latter, assisted the police in shutting down opposition news sites. The report could not establish direct links to the Chinese government or Huawei's Chinese executives. However, it is also clear Huawei's claims of never being involved in spying are as doubtful as ever. See these early RUSI(NS)-noted examples:

<https://www.bloomberg.com/opinion/articles/2019-04-30/huawei-backdoors-found-by-vodafone-are-a-smoking-gun>

<https://www.theguardian.com/technology/2019/jan/11/huawei-employee-arrested-in-poland-over-chinese-spy-allegations>

<https://www.radio.cz/en/section/curraffrs/former-huawei-employees-say-client-information-was-discussed-at-chinese-embassy>

It also reinforces a pattern where Huawei has worked various oppressive governments such as Iran and North Korea in repressing their citizens.

Delivery of first new Arctic patrol ship delayed again, but still expected sometime in 2019

<https://nationalpost.com/news/delivery-of-first-new-arctic-patrol-ship-delayed-again-but-still-expected-sometime-in-2019>

A good article. Considering the article's comments on ice capability, yes, the Arctic and Offshore Patrol Ship (the Navy will start using 'Arctic and Offshore Patrol Vessel' - AOPV - once the first ship accepted) is often described as 'ice-capable.' The Department of National Defence (DND) and the Navy have avoided calling the ships icebreakers (icebreaking is a Canadian Coast Guard program). Good to read in the article an explanation of acceptance trials.



DND staff have emphasized that ships are patrol vessels (combatants, yes, but minor combatants). Force projection (that is more of an operational than tactical term) is inherent in the ability of the ships to call in other resources (fighter aircraft, frigates).

Shipbuilders such as Irving more often use the term 'delivery' whilst the DND and Navy often use the traditional marine term 'acceptance.' Two sides of the same coin.

How Canada is enhancing its SATCOM coverage
<https://www.shephardmedia.com/news/digital-battlespace/how-canada-enhancing-its-satcom-coverage/>

"Canada's defence policy commits to 'increased and predictable' funding to deliver new capabilities, such as earth observation, space situational awareness, and satellite communications. Ottawa is particularly focused on enhanced coverage of the country's northern-most regions, which are largely devoid of such capabilities."



Connexion Défense Est / Defence Connection East 22 Aug on Facebook
<https://www.facebook.com/ConnexionDefense/posts/1302745429901530>

Royal United Services Institute - NS host the Distinguished Speaker's Meeting regarding Capt(N) Darren Garnier's recent tour in command of CTF 150, one of three Combined Maritime Forces's security operation regarding counterterrorism. He increased public awareness on the #CAF contributions to the defence of Canada and international security. He shared his experience and his focus on the Canadian peace approach footprint in the Middle East and East Africa. #ReadyTogether



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.

Air Force Tests Contraption That Can Turn Any Plane Into a Robot Plane

<https://www.defenseone.com/technology/2019/08/air-force-tests-contraption-can-turn-any-plane-robot-plane/159211/>



Gibraltar defies US and releases seized Iranian tanker Grace 1

<https://www.cnn.com/2019/08/15/middleeast/gibraltar-grace-1-oil-tanker-gbr-intl/index.html>



Merkel says Germany must improve its military amid spending row with US

<https://www.stripes.com/news/merkel-says-germany-must-improve-its-military-amid-spending-row-with-us-1.594396>



Tension between South Korea and Japan could hurt US goals in the Pacific — and China is watching

<https://www.defensenews.com/global/asia-pacific/2019/08/15/tension-between-south-korea-and-japan-could-hurt-us-goals-in-the-pacific-and-china-is-watching/>



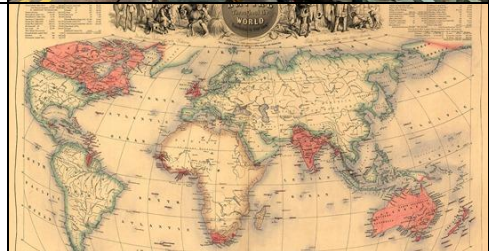
How Close Is Hong Kong to a Second Tiananmen?

<https://foreignpolicy.com/2019/08/14/how-close-is-hong-kong-to-a-second-tiananmen/>



The World Is Reaping the Chaos the British Empire Sowed

<https://foreignpolicy.com/2019/08/13/the-world-is-reaping-the-chaos-the-british-empire-sowed/>



Russia Signs Deal to Send Navy to Venezuela After 'Unacceptable' U.S. Moves

<https://www.newsweek.com/russia-navy-venezuela-unacceptable-us-1454639>



Offensive Shifts, Offensive Policies: Cybersecurity Trends in the Government-Private Sector Relationship

https://www.cgai.ca/offensive_shifts_offensive_policies_cybersecurity_trends_in_the_government_private_sector_relationship



War's Future: The Risks and Rewards of Grey-Zone Conflict and Hybrid Warfare

https://www.cgai.ca/wars_future_the_risks_and_rewards_of_grey_zone_conflict_and_hybrid_warfare



Liberals unveil \$3B sole-source deal for armoured vehicles ahead of election

<https://www.thestar.com/business/2019/08/16/liberals-unveil-3b-sole-source-deal-for-armoured-vehicles-ahead-of-election.html>



After year in the desert, Canadian soldiers set to return home as Mali mission ends

<https://www.cbc.ca/news/somalia-1.5251016>



Canada crafting contingency plans to assist citizens in Hong Kong

<https://www.cbc.ca/news/politics/freeland-hong-kong-protests-1.5246446>



Iran tanker heads to Greece, U.S. warns against helping vessel



<https://www.reuters.com/article/us-mideast-iran-tanker/iran-tanker-heads-to-greece-after-release-iran-warns-u-s-against-seizure-attempt-idUSKCN1V90DM>



The US Just Launched a Long-Outlawed Missile. Welcome to the Post-INF World

<https://www.defenseone.com/threats/2019/08/us-just-launched-long-outlawed-missile-welcome-post-inf-world/159278/>



<p>Bahrain joins US-led coalition to protect Gulf shipping</p> <p>https://thehill.com/policy/defense/457983-bahrain-joins-us-led-coalition-to-protect-gulf-shipping</p>	
<p>China now strong enough for a surprise move in the Indo-Pacific</p> <p>https://www.defensenews.com/global/asia-pacific/2019/08/19/china-grown-strong-enough-for-a-surprise-move-in-the-indo-pacific-think-tank-warns/</p>	

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

#airpower

Biplanes against Battleships: The Fairey Swordfish Biplane and Lessons for Today’s Air Power
<https://balloonstodrones.com/2019/08/21/commentary-biplanes-against-battleships-the-fairey-swordfish-biplane-and-lessons-for-todays-air-power/>

#artificial intelligence

NIST Has a Roadmap to Develop Artificial Intelligence Standards
<https://www.defenseone.com/technology/2019/08/nist-lays-out-roadmap-developing-artificial-intelligence-standards/159135/>

#command

Commando Command
<https://www.puzzle-palace.com/community-articles/commando-command>

No Details, No Paper, and No Regrets
<https://fromthegreennotebook.com/2014/08/22/no-details-no-paper-and-no-regrets/>

#drones

Unfamiliar Waters: Navigating Autonomous Vessels’ Potential and Perils
<https://p.blg.com/navigating-autonomous-vessels-potential-and-peril>
 Note that "The Sensor: Legal Insights into Autonomous Vehicles" (<https://p.blg.com/the-sensor-autonomous-vehicles-2019>) publishes monthly.

Unmanned Underwater Vehicle (UUV) Systems for Submarine Detection
 a primer: <https://ontheradar.csis.org/issue-briefs/unmanned-underwater-vehicle-uuv-systems-for-submarine-detection-a-technology-primer/>

Report to Congress on Lethal Autonomous Weapon Systems
 (with report: International Discussions Concerning Lethal Autonomous Weapon Systems)

<https://news.usni.org/2019/08/20/report-to-congress-on-lethal-autonomous-weapon-systems>

#information operations

The language gives it away: How an algorithm can help us detect fake news

<https://theconversation.com/the-language-gives-it-away-how-an-algorithm-can-help-us-detect-fake-news-120199>

#terrorism

Transnational Lessons from Terrorist Use of Social Media in South Asia

<https://rusi.org/publication/other-publications/transnational-lessons-terrorist-use-social-media-south-asia>

#Open Skies Treaty

Disinformation Watch: The Open Skies Treaty

<https://nucleardiner.wordpress.com/2019/08/17/disinformation-watch-the-open-skies-treaty/>

Magic and Information (Part 1): Dual Role Manoeuvre

<https://wavellroom.com/2019/08/20/magic-and-information-part-1-dual-role-manoeuvre/>

#national security governance

The Irony of 'White House Warriors'

<https://www.lawfareblog.com/irony-white-house-warriors>

#NATO #Turkey

Turkey, the US and the S-400: A Counter-Narrative

<https://rusi.org/commentary/turkey-us-and-s-400-counter-narrative>

"Regardless of how difficult Erdogan's Turkey may now be, it is a key state in NATO and must be treated as such."

Point Counterpoint: Turkey Belongs in NATO

<https://www.geopoliticalmonitor.com/point-counterpoint-turkey-belongs-in-nato/>

#naval operations #Iran #Hormuz

Escorting in the Persian Gulf: Firefighting, Policing, or Bodyguarding?

<http://cimsec.org/escorting-in-the-persian-gulf-firefighting-policing-or-bodyguarding/41147>

#nuclear

Why Putin's Nuclear-Powered Superweapon Went Up in Smoke

<https://www.bloomberg.com/opinion/articles/2019-08-17/putin-s-nuclear-superweapon-went-up-in-smoke>

#reading

War Books: It's Not Just What You Read, But How You Read

<https://mwi.usma.edu/war-books-not-just-read-read/>

#ship design

Why the Navy Is More Interested in the 'Ship of Theseus' Than the USS Zumwalt

<https://www.popularmechanics.com/military/navy-ships/a28702564/us-navy-theseus-zumwalt/>

#space

Space Exploration and U.S. Competitiveness

<https://www.cfr.org/backgrounder/space-exploration-and-us-competitiveness>

#strategy

The Weaker Foe

<https://thestrategybridge.org/the-bridge/2017/3/7/the-weaker-foe>

Lessons for Australia in US Marines' new guidance

<https://www.aspistrategist.org.au/lessons-for-australia-in-us-marines-new-guidance/>

And for Canada?

Military Aid: Financing Foreign Conflict?

<https://thestrategybridge.org/the-bridge/2019/8/19/military-aid-financing-foreign-conflict>

A new Australian way of war

<https://www.aspistrategist.org.au/a-new-australian-way-of-war/>

#training and development

A Veteran's Perspective on Training and Development

<https://thearmyleader.co.uk/training-development-veteran-perspective/>

Other:

U.S. Army Heritage and Education Center **Library Alert** 08/19/2019

http://usawc.libguides.com/Library_Alerts

contents:

By Other Means Part II: U.S. Priorities in the Gray Zone

Case Study: Warning for the Gray Zone

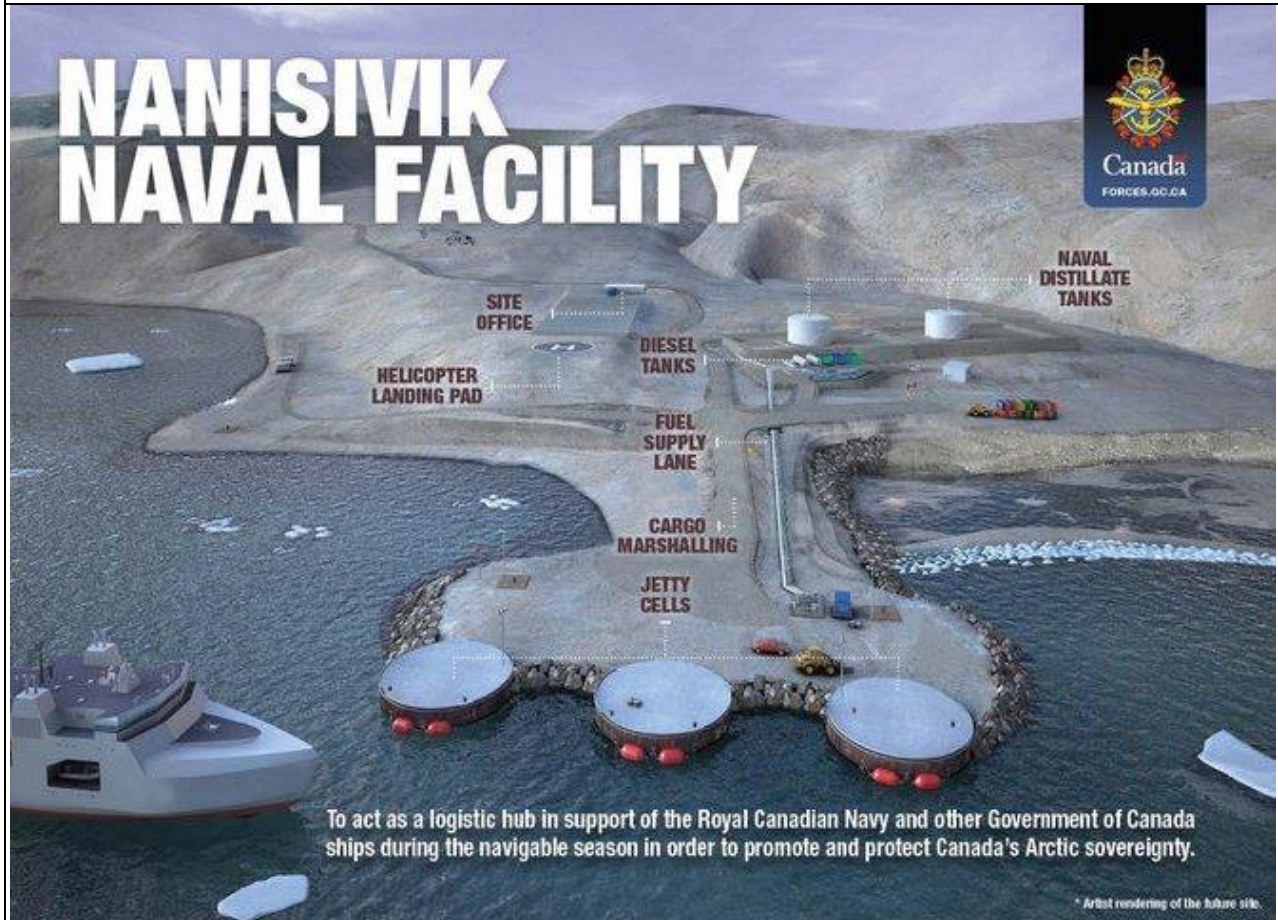
Electromagnetic Defense Task Force 2.0-2019 Report

A Return to Information Warfare

Developing Strategists: Dwight D. Eisenhower and the Interwar Army War College

Nanisivik Naval Facility

This graphic puts CRCN's tweet (above) and others (e.g., see tweets about Spanwire Supported Fuelling – SSF – below) into context. NNF will become part of CFB Halifax, though apparently as DND property it comes under a different RP Ops of the I&E Group than the rest of the base. Interesting that it is called a 'facility' – previously DND property was known either as base, station or site. Of course, what with garrisons, camps, wings, etc., standardization of terminology has taken a hit.



VAdm/Vam Art McDonald @Comd_RCN 15 Aug tweeted (https://twitter.com/Comd_RCN/status/1162140898328813569): HMCS VILLE DE QUEBEC conducts fuelling trials at the Nanisivik Naval Facility! BZ to our shipmates at DND Infrastructure & Environment and Nanisivik for their hard work in achieving this huge milestone! #HMCSVilleDeQuebec #ReadyAyeReady #ReadyToLead #Nanisivik

RUSI(NS) 16 Aug retweeted (https://twitter.com/RUSI_NS/status/1162339417018773507): Someone has certainly come up with an innovative means to refuel ships at austere facilities. Bravo @RCN_MRC & @NationalDefence staff! Welcome development of #Arctic marine infrastructure #Nanisivik

Norm Vernal @NormVernal 16 Aug replying to @RUSI_NS @RCN_MRC and @NationalDefence (<https://twitter.com/NormVernal/status/1162363004622475265>): Why the height of the structure that is one hell of a load on that Structure ..

RUSI(NS) 18 Aug replying to @NormVernal @RCN_MRC and @NationalDefence
(https://twitter.com/RUSI_NS/status/1163130411133886464): From BComd #Halifax: To get depth of water needed, jetty is quite wide (from natural land to jetty face). Its about 50m from land where manifold stops to ship - too far for a standing boom. Add 130km/h winter winds, & this method is easy to set-up in the spring/secure for winter

[Sniped from reply to query: Assuming the tanker that brings the fuel oil pumps it to a tank farm via a dockside manifold and pipeline, why does RCN bother with the Shore RAS gear? Why not just load fuel via same manifold?

(<https://twitter.com/DonRandell1/status/1162146392732852225>).]

RUSI(NS) 18 Aug replying to @NormVernal @RCN_MRC and @NationalDefence From BComd Hfx
(https://twitter.com/RUSI_NS/status/1163131877282242560): This is first large Arctic ship fuelling site in Canada, & there are strict environmental regulations which require setbacks for fueling points from waters edge. Same regs do not apply for fueling shore sites from ships as many arctic communities need to do this

[Sniped from reply to query: So why a spanwire fueling system vice a conventional boom?

(<https://twitter.com/NavyGoesNorth/status/1162500718252691457>).]

MARITIME FORCES ATLANTIC PRESENTS

HALIFAX NATO WARSHIP VISIT CUTLASS FURY 2019

SEPTEMBER 6-9

Join the ships and sailors of 8 different NATO nations as they congregate in HMC Dockyard Halifax in advance of Exercise **CUTLASS FURY 2019**, a medium-scale international exercise which takes place in the waters and skies off Nova Scotia and Newfoundland 9-20 September 2019

FRIDAY & SATURDAY

WARSHIP TOURS & FOOD TRUCK FAIR

1:00PM - 4:00PM

Tour a warship! Visit HMCS SCOTIAN (2111 Upper Water Street) to learn about life in the RCN and access HMC Dockyard to tour the many Canadian and Allied warships hosted there! Be sure to bring an appetite and check out our gourmet food truck selections!

FREE ADMISSION
 (Canadian ID required)
FREE PARKING

SATURDAY

SOCCER MATCH

9:00AM - 11:00AM

Join us at CFB Halifax - Stadacona (via the Gottingen street entrance) and cheer-on Team North America as they take on Team Europe in a thrilling soccer match for the inaugural CUTLASS FURY CUP!

FREE ADMISSION
 (Canadian ID required)
FREE PARKING

MONDAY

FLEET REVIEW AND FLYPAST

1:00PM

Watch as more than 12 Canadian and Allied warships parade past HMCS SACKVILLE on the Halifax waterfront! Come early to get a great view of the warships as they are joined above by a fly past of several different aircraft, including RCAF CF-18's!

ALL ON THE HALIFAX WATERFRONT!

FOR INFO 902-427-3766

IN PARTNERSHIP WITH

