



## Royal United Services Institute of Nova Scotia

### Dispatches

### 19 July 2019

*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](mailto: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](mailto:admin@duncom.ca). **New** - D&S is doing very well, with over 700 people subscribed.

#### 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](mailto:RUSINovaScotia@gmail.com). RUSI(NS) events may be cancelled at short notice – email RUSI(NS) if there is a question of an event occurring.

**21 August**, Wednesday - Distinguished Speaker TBA. 1130-1330. Royal Artillery Park Officers' Mess.

**18 September**, Wednesday - Distinguished Speaker TBA. 1130-1330. Royal Artillery Park Officers' Mess.

**6 November**, Wednesday – save the date for the RUSI(NS) 2019 Remembrance Dinner. Evening, Royal Artillery Park Officers' Mess.

#### Publications:

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>

RUSI(NS) Presentation "Defence Research & Development - Canada's work in the Arctic" by Dr Garry Heard, Defence R & D Canada - Atlantic, 19 June 20  
<https://rusi-ns.ca/arctic-research-development/>

**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](mailto:RUSINovaScotia@gmail.com). Original article title in parentheses.

"Help choose the name of Canada's new SAR aircraft" <http://www.rcaf-arc.forces.gc.ca/en/cc-295-name.page> #RCAF #CC295 #SearchAndRescue #SAR #FWSAR

#### **C-05-005-001/AG-001 TECHNICAL AIRWORTHINESS MANUAL (TAM)**

##### **2.2.3.2 Naming of Aircraft – Popular Name**

1. A popular name means a description designation by which the aircraft will be known within the DND. It is the responsibility of the Project Management Office, in conjunction with 1 Canadian Air Division, to name a newly acquired aircraft fleet.
2. The following list contains some of the precepts to consider when deciding on a popular name for a DND aircraft:
  - a. Only aircraft that have reached the production stage, or have immediate prospects of being procured, and which have been officially designated will be named.
  - b. If acquisition aircraft already have a suitable official and commonly used name, that name will be retained.
  - c. The name selected must impart a Canadian connotation.
  - d. For the purpose of brevity, the name shall consist of only one word and be selected to conform to the characteristics of the aircraft and its basic mission, rather than the source of the manufacture.
  - e. The name should appeal to the imagination without sacrificing dignity and should suggest confidence in the capabilities of the aircraft.
  - f. The name must not supplant the designation nor duplicate those approved or in use for other types of equipment.
  - g. Previously associated names may be utilized if suitable (i.e., Musketeer – Musketeer II and Harvard – Harvard II).
  - h. Each name under consideration shall be checked against a master list of popular names maintained by DTA. Once a name has been assigned, it will not be changed without the approval of DTA.
  - i. Each basic model will retain the name originally assigned, regardless of its subsequent manufacturer or operational use. All aircraft series within a basic mission and type will retain the one name assigned thereto (i.e., CC130 Hercules).
  - j. A family of names for future models may be reserved (on request) for the exclusive use of Canadian manufacturers.

"Results of HMCS Chicoutimi Health Surveillance Study shared at Town Hall"  
<http://www.navy-marine.forces.gc.ca/en/news-operations/news-view.page?doc=results-of-hmcs-chicoutimi-health-surveillance-study-shared-at-town-hall/jxxobvh3> "HMCS CHICOUTIMI Health Surveillance Study" at:  
<https://www.canada.ca/en/department-national-defence/corporate/reports-publications/health/hmcs-chicoutimi-health-surveillance-study.html> #RCNavy #submarines #HMCSChicoutimi



STRATCOMCOE @STRATCOMCOE 12 Jul tweeted and RUSI(NS) retweeted: "What should governments focus on, given that AI promises (or threatens) to change so much? How do states choose where to concentrate their efforts and what to leave out?" Read more on AI development and usage strategies created by European governments:  
<https://www.ecfr.eu/publications/summary/machine-politics-europe-and-the-ai-revolution>  
 (Machine politics: Europe and the AI revolution  
<https://www.ecfr.eu/page/-/machine-politics-europe-and-the-ai-revolution.pdf>)



STRATCOMCOE @STRATCOMCOE 12 Jul tweeted and RUSI(NS) retweeted: The realm of #HybridThreats is characterised by the interplay between information, perception, interpretation and decision-making. Our latest report analyses the characteristics of #HybridThreats. Read more:  
<https://www.stratcomcoe.org/hybrid-threats-strategic-communications-perspective>  
 (Hybrid Threats: A Strategic Communications Perspective)

**Characteristics of hybrid threats:**

- Coordinated and synchronized
- Deliberately target democratic states' and institutions' systemic vulnerabilities
- Use a wide range of means.
- Exploit the thresholds of detection and attribution as well as the border between war and peace
- Aim to influence different forms of decision making at the local (regional), state, or institutional level

Download "Hybrid Threats: A Strategic Communications Perspective"  
[bit.ly/HybridThreats](http://bit.ly/HybridThreats)

Naval Association CA @navalassn Jul 11 tweeted: We are proud to share Jeffrey Collin's paper on the need for a renewed submarine capability as part of our series of NIOBE Papers.  
<https://www.navalassoc.ca/wp-content/uploads/2019/07/Niobe-Paper-4-Collins.pdf>  
 RUSI(NS) retweeted: Over time, current CAN🇨🇦 National Shipbuilding Strategy #NSS will need to be updated/renewed & next types of vessels, including #submarines/underwater capability for #RCNavy (e.g., #drones) considered/ recapitalized. Time to start public debate/understanding of this strategic asset  
*Reader comment: There is more to building submarines than a limited capability to cold roll HY 100 steel. Submarines are a much different beast to build. Could we do it - yes, but at what cost? We need an order of at least six submarines to begin to get a return the substantial investment any yard would have to make.*

**Niobe Papers**  
**Towards a Renewed Canadian Submarine Capability**  
 Jeffrey F. Collins

"Could New Zealand join the Type 26 Frigate programme?"  
<https://ukdefencejournal.org.uk/could-new-zealand-join-the-type-26-frigate-programme/> NZ would make a good addition to in effect a 'Type 26 Users Group' with UK, CAN🇨🇦 (#RCNavy Canadian Surface Combatant #CSC) & AUS (appears Type 26 not contender for US FFGX)



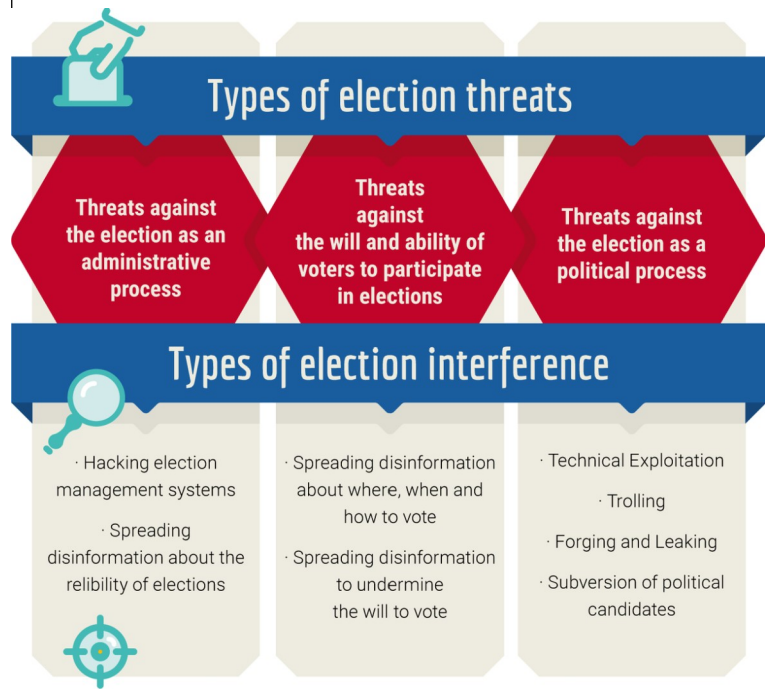
5thCanadianDivision @5CdnDiv Jul 13 tweeted: The No. 2 Construction Battalion was a segregated, Black @CanadianForces unit tasked with non-combat support roles during the First World War such as providing lumber for trenches & constructing roads & railways. The #MightyMaroonMachine is proud to march in honour of them today pic.twitter.com/OhRI6MbYtn  
 RUSI(NS) retweeted: "No. 2 Construction Battalion: The Operational History"  
<http://www.journal.forces.gc.ca/vol16/no3/page51-eng.asp>  
 "No. 2 Construction: Black battalion overcame prejudice"  
<http://thechronicleherald.ca/novascotia/1377318-no.-2-construction-black-battalion-overcame-prejudice>  
 #WeRemember



Call for defence project innovation at mid-low levels by Distinguished Speaker LCol (ret'd) Barbarie Palmer @Bluedrop\_BTSI speaking on "Defence, Innovation and Duct Tape: Innovation Agendas in Application" to RUSI(NS)&guests 17Jul19  
<https://rusi-ns.ca/wp-content/uploads/2019/07/DefenceInnovationDuctTape.pdf>  
 Great talk!



STRATCOMCOE @STRATCOMCOE 18 Jul tweeted and RUSI(NS) retweeted: What are election threats? It is not just about the results of the election! Learn more in the report "Protecting Elections: A StratCom Approach"  
<https://stratcomcoe.org/protecting-elections-strategic-communications-approach>  
 (Protecting Elections: A Strategic Communications Approach)  
*"...analysis suggests that acknowledging the existence of the issue, along with the steadfast determination of the authorities involved to ensure free and fair elections, makes it possible to roll out a comprehensive election protection program based on that same strategic communications mindset."*



STRATCOMCOE @STRATCOMCOE 18 Jul tweeted and RUSI(NS) retweeted: A new RAND report examines NATO's past, current, and emerging efforts in protecting its members in cyberspace, as well as the biggest threats and challenges in this domain. Read more:  
<https://www.rand.org/pubs/perspectives/PE329.html>  
(Operationalizing Cyberspace as a Military Domain - Lessons for NATO)



**Posted on Facebook Royal United Services Institute NS with comments:**

Scrap ships, build subs, says Hugh White

<https://navalinstitute.com.au/scrap-ships-build-subs-says-hugh-white/>



The article discusses the utility of a naval strategy of maritime denial (often called sea denial) for Australia based on a strong submarine force versus a strategy (not named by the article's author - sea control?) based on surface combatants. The argument may not be directly applicable to Canada due to its different geo-strategic position, and therefore national policies, compared to Australia and that country's proximity to China. Still, it is an argument worth attention if for no other reason than Canada needs to consider its naval strategy, within the context of higher strategies and policies, and the generation of undersea capabilities what with the looming end-of-life of the Royal Canadian Navy's Victoria-class submarines. The next stage of Canada's National Shipbuilding Strategy, with replacement of the Victorias and Kingston-class multi-role minor combatants, should be a matter of public debate.

Though terms not used in the article, what are being discussed is what should be the structure of a 'balanced fleet' for Australia and to what extent should that state have a 'blue water navy,' a navy globally deployable. These are discussions for Canada, too.

The book "How to defend Australia" by Hugh White upon which the article "Scrap ships, build subs, says Hugh White" is based is being savaged by Australian commentators on security issues. It is seen as being detached from reality. Deleting most of the surface fleet would remove trade protection and shared defence of nearby islands and states from the capabilities of the Royal Australian Navy. This would reduce political influence and national security for a country that depends on the freedom of the seas and neighbouring states for its survival and well being.

He seems to have gone too far in suggesting the scrapping of the entire Aussie surface fleet but I think his basic message of focusing on sea denial against a rising China has a lot of merit. The Australians are developing their deisel submarine fleet though, which is good.

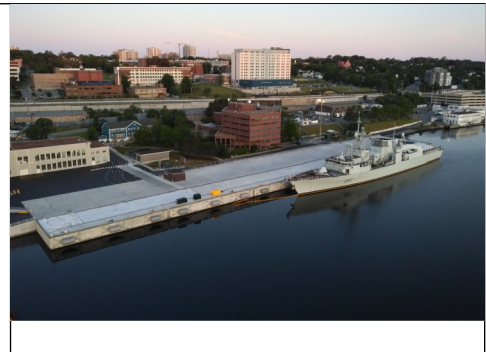
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The Australian Strategic Policy Institute commented on the Hugh White's book from a national strategy perspective. Always useful to consider others' national strategies, and especially Australia's

what with that start's parallels with Canada, as part of considering Canada's national strategy.

ASPI @ASPI\_org 18 Jul tweeted: '...How to defend Australia is an engaging read on a very important subject, but must be studied with great care, a critical eye and constant awareness that there is more to national strategy than fortress defence.'

The ASPI article linked to the above tweet is "A fortress with no water supply: Hugh White's 'How to defend Australia'" (<https://www.aspistrategist.org.au/a-fortress-with-no-water-supply-hugh-whites-how-to-defend-australia/>)

Newly completed jetty NJ



Attached is a photo of the newly completed jetty NJ (Navy J, often spoken as 'November Juliet'), Her Majesty's Canadian Dockyard Halifax, with the frigate HMCS VILLE DE QUEBEC first ship alongside. It is understood that construction of the new jetty was funded by the Department of National Defence Arctic and Offshore Patrol Ship project. Inclusion of infrastructure development (jetties, hangars, vehicle garages) is a routine part of major capital defence projects. It is something to keep in mind when comparing costs of projects. For example, a foreign-built frigate may seem cheaper than building frigates in Canada, but a foreign bid might not include infrastructure, training, sparing and other costs. An analysis of a defence project has to delve into greater detail than just overall cost.

**Comment from the posting on Face Book:**

In any straight-up comparison of shipbuilding costs (excluding infrastructure and logistics such as training etc.) it usually IS cheaper to build ships offshore.

Besides the operational/mission requirements, most government shipbuilding projects are equally - sometimes primarily - intended as investments in Canadian industry a.k.a. Economic Stimulus.

Unfortunately, due to foreign ownership of many Canadian enterprises, the economic benefits are not always fully realized.

Hunt Vows to Boost Royal Navy Spending if Elected Prime Minister, Keep NATO 'Strong' Amid Iran Row

<https://sputniknews.com/military/201907121076225167-jeremy-hunt-vows-to-boost-royal-navy-spending-if-elected-keep-nato-strong-amid-iran-row/>



Foreign political campaigning: increase funding for Navy, cyber defence and defence generally; increase ships and aircraft. It'll be interesting to see whether the pledge "to boost the UK's current NATO defence contributions from 2 to 2.5 percent" is in anyway mirrored in Canadian campaigning for this fall's election. Of course, defence is not usually a major Canadian election issue.

Canada needs to back up its ideals with real power. Here are two ways it can do that

<https://business.financialpost.com/opinion/canada-needs-to-back-up-its-ideals-with-real-power-here-are-two-ways-it-can-do-that>



"Effective influence also means getting on with the National Shipbuilding Strategy, completing Canada's fleet of arctic patrol vessels, and replacing our outdated Coast Guard ships with the most modern and technologically advanced ice-capable vessels in the world. Above all, Canada needs to move with speed to get its new fleet of frigates — the Canadian Surface Combatants — built and commissioned. Even with our relative economic size and strength, words and declarations are not enough. Canada must project its maritime presence in physical terms. This means getting ships on the water in the shortest possible time."

Canada is geo-strategically a maritime nation. It needs to have the defence, security and safety forces, effective navy and coast guard, accordingly.

Halifax-class frigates: Maintaining Canada's federal fleet of combat vessels



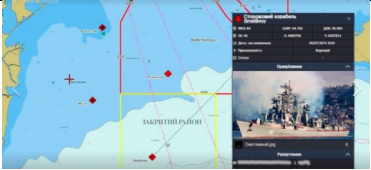


<https://www.canada.ca/en/public-services-procurement/news/2019/07/halifax-class-frigates-maintaining-canadas-federal-fleet-of-combat-vessels.html>



"The Royal Canadian Navy requires that at least 8 of the 12 frigates be able to deploy at all times to meet the Navy's commitment to the Government of Canada."

This statement is an ambitious goal, depending on what is meant by "able to deploy." Customarily the planning factor/rule-of-thumb for ship employment has been 1-in-3: one third of a fleet deployed, one third preparing for or post-deployment, and one third in long maintenance. That would mean only four of the twelve Halifax-class being available. Of course, the four in post/pre-deployment could be counted, too, to make for eight "able to deploy at all times." Fifteen frigates from the Canadian Surface Combatant project will allow for five ships deployed, putting aside how many of the ships are configured to support command of a group and how many support ships are available to the fleet. Canada's 'String, Secure, Engaged' defence policy calls of two naval task groups, and though historically groups were four to six ships (the number driven by convoy escort operations), current naval staff have noted that modern groups can easily be two or three frigates. Hence the two groups from five deployable/deployed frigates. Push the availability of the ships (people and equipment), a short-term option, and ten ships can be generated.

**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><a href="https://mailchi.mp/rusi.org/thisweek-12july-166421?e=a539211a30">https://mailchi.mp/rusi.org/thisweek-12july-166421?e=a539211a30</a></p>	
<p>Russian Warship Enters Ukrainian Gunfire Exercise Area, Creating 'Dangerous Situation'</p> <p><a href="https://www.defenseone.com/technology/2019/07/russian-warship-enters-ukrainian-gunfire-exercise-area-creating-dangerous-situation/158337/?oref=defenseone_today_nl">https://www.defenseone.com/technology/2019/07/russian-warship-enters-ukrainian-gunfire-exercise-area-creating-dangerous-situation/158337/?oref=defenseone_today_nl</a></p>	
<p>How We Tamed the F-35's Spiraling Costs — and Created a Model for Controlling Waste</p> <p><a href="https://www.defenseone.com/ideas/2019/07/how-we-tamed-f-35s-spiraling-costs-and-created-model-controlling-waste/158344/?oref=defenseone_today_nl">https://www.defenseone.com/ideas/2019/07/how-we-tamed-f-35s-spiraling-costs-and-created-model-controlling-waste/158344/?oref=defenseone_today_nl</a></p>	
<p>Cases dropped, charges lowered as court-martial system remains in limbo</p> <p><a href="https://www.thestar.com/news/canada/2019/07/11/cases-dropped-charges-lowered-as-court-martial-system-remains-in-limbo.html">https://www.thestar.com/news/canada/2019/07/11/cases-dropped-charges-lowered-as-court-martial-system-remains-in-limbo.html</a></p>	



How Europe Can Save What's Left of the Iran Nuclear Deal

[https://foreignpolicy.com/2019/07/12/how-europe-can-save-whats-left-of-the-iran-nuclear-deal/?utm\\_source=PostUp&utm\\_medium=email&utm\\_campaign=13959&utm\\_term=Editor#39;s Picks OC](https://foreignpolicy.com/2019/07/12/how-europe-can-save-whats-left-of-the-iran-nuclear-deal/?utm_source=PostUp&utm_medium=email&utm_campaign=13959&utm_term=Editor#39;s Picks OC)



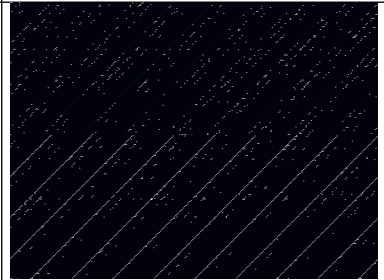
Canadian military looking for ideas to shield satellites from 'cyberattacks and lasers'







<https://globalnews.ca/news/5489579/military-satellites-threats-guard/>















Canadian Forces may cancel plan to relocate special forces unit from Ottawa over \$1.2 billion price tag



<https://nationalpost.com/news/canadian-forces-may-cancel-plan-to-relocate-special-forces-unit-from-ottawa-over-1-2-billion-price-tag>



<p>First used Australian fighter jets now flying in RCAF colours with more to come</p> <p><a href="https://nationalpost.com/news/canada/first-used-australian-fighter-jets-now-flying-in-canadian-colours-plans-underway-to-extend-jet-fleet-to-2032">https://nationalpost.com/news/canada/first-used-australian-fighter-jets-now-flying-in-canadian-colours-plans-underway-to-extend-jet-fleet-to-2032</a></p>	
<p>Russia Is Perfecting the Art of Crushing Uprisings Against Authoritarian Regimes</p> <p><a href="https://www.defenseone.com/technology/2019/07/russia-perfecting-art-crushing-uprisings-aid-authoritarian-regimes/158396/?oref=defenseone_today_nl">https://www.defenseone.com/technology/2019/07/russia-perfecting-art-crushing-uprisings-aid-authoritarian-regimes/158396/?oref=defenseone_today_nl</a></p>	
<p>Send Turkey's F-35s to Eastern Europe</p> <p><a href="https://www.defenseone.com/ideas/2019/07/send-turkeys-f-35s-eastern-europe/158382/?oref=defenseone_today_nl">https://www.defenseone.com/ideas/2019/07/send-turkeys-f-35s-eastern-europe/158382/?oref=defenseone_today_nl</a></p>	
<p>How much will the defence file matter to voters?</p> <p><a href="https://www.cbc.ca/news/politics/canada-votes-newsletter-issue-14-defence-file-1.5211040">https://www.cbc.ca/news/politics/canada-votes-newsletter-issue-14-defence-file-1.5211040</a></p>	
<p>NATO secretary general OKs Canada's defence spending during visit with Trudeau</p> <p><a href="https://globalnews.ca/news/5494990/nato-secretary-general-meet-trudeau-toronto/">https://globalnews.ca/news/5494990/nato-secretary-general-meet-trudeau-toronto/</a></p>	
<p>Advances in Airport Security Screening</p> <p><a href="https://security.frontline.online/article/2019/1/11772-Advances-in-Airport-Security-Screening?utm_source=FrontLine+e-Newsletter&amp;utm_campaign=e8169e024a-EMAIL_CAMPAIGN_2019_07_15_08_03&amp;utm_medium=email&amp;utm_term=0_c695d3fd22-e8169e024a-89113457">https://security.frontline.online/article/2019/1/11772-Advances-in-Airport-Security-Screening?utm_source=FrontLine+e-Newsletter&amp;utm_campaign=e8169e024a-EMAIL_CAMPAIGN_2019_07_15_08_03&amp;utm_medium=email&amp;utm_term=0_c695d3fd22-e8169e024a-89113457</a></p>	

<p>Top Iran diplomat says talks on ballistic missiles possible</p> <p><a href="https://www.militarytimes.com/flashpoints/2019/07/16/top-iran-diplomat-says-talks-on-ballistic-missiles-possible/?utm_source=Sailthru&amp;utm_medium=email&amp;utm_campaign=EBB07.16.19&amp;utm_term=Editorial - Early Bird Brief">https://www.militarytimes.com/flashpoints/2019/07/16/top-iran-diplomat-says-talks-on-ballistic-missiles-possible/?utm_source=Sailthru&amp;utm_medium=email&amp;utm_campaign=EBB07.16.19&amp;utm_term=Editorial - Early Bird Brief</a></p>	
<p>US, Russian delegations to discuss New START treaty in Geneva</p> <p><a href="https://www.militarytimes.com/news/pentagon-congress/2019/07/15/us-russian-delegations-to-discuss-new-start-treaty-in-geneva/?utm_source=Sailthru&amp;utm_medium=email&amp;utm_campaign=EBB07.16.19&amp;utm_term=Editorial - Early Bird Brief">https://www.militarytimes.com/news/pentagon-congress/2019/07/15/us-russian-delegations-to-discuss-new-start-treaty-in-geneva/?utm_source=Sailthru&amp;utm_medium=email&amp;utm_campaign=EBB07.16.19&amp;utm_term=Editorial - Early Bird Brief</a></p>	
<p>RCAF relaunches air squadron, asks public to help name new planes</p> <p><a href="https://vancouverisland.ctvnews.ca/rcaf-relaunches-air-squadron-asks-public-to-help-name-new-planes-1.4509057">https://vancouverisland.ctvnews.ca/rcaf-relaunches-air-squadron-asks-public-to-help-name-new-planes-1.4509057</a></p>	
<p>\$1.5 billion in frigate repair contracts split between yards in three provinces</p> <p><a href="https://www.ctvnews.ca/politics/1-5-billion-in-frigate-repair-contracts-split-between-yards-in-three-provinces-1.4509745">https://www.ctvnews.ca/politics/1-5-billion-in-frigate-repair-contracts-split-between-yards-in-three-provinces-1.4509745</a></p>	
<p>NATO secretary general meets Trudeau in Canada amid Russia, U.S.-Iran tensions</p> <p><a href="https://www.msn.com/en-ca/news/politics/nato-secretary-general-meets-trudeau-in-canada-amid-russia-us-iran-tensions/ar-AAEIHXd?ocid=se">https://www.msn.com/en-ca/news/politics/nato-secretary-general-meets-trudeau-in-canada-amid-russia-us-iran-tensions/ar-AAEIHXd?ocid=se</a></p>	
<p>Looks Like Turkey Is Getting Booted from the F-35 Program</p> <p><a href="https://www.defenseone.com/politics/2019/07/looks-turkey-getting-booted-f-35-program/158462/?oref=defenseone_today_nl">https://www.defenseone.com/politics/2019/07/looks-turkey-getting-booted-f-35-program/158462/?oref=defenseone_today_nl</a></p>	

<p>Spy agency warns foreign states with nefarious aims are hiding their presence in Canada</p> <p><a href="https://www.thestar.com/news/canada/2019/07/16/spy-agency-warns-foreign-states-with-nefarious-aims-are-hiding-their-presence-in-canada.html">https://www.thestar.com/news/canada/2019/07/16/spy-agency-warns-foreign-states-with-nefarious-aims-are-hiding-their-presence-in-canada.html</a></p>	
<p>NATO secretary-general cautions on security threats to 5G network</p> <p><a href="https://www.theglobeandmail.com/politics/article-nato-secretary-general-cautions-on-security-threats-to-5g-network/">https://www.theglobeandmail.com/politics/article-nato-secretary-general-cautions-on-security-threats-to-5g-network/</a></p>	
<p>Europe Is Back</p> <p><a href="https://foreignpolicy.com/2019/07/17/europe-is-back/?utm_source=PostUp&amp;utm_medium=email&amp;utm_campaign=14095&amp;utm_term=Editor#39;s Picks OC">https://foreignpolicy.com/2019/07/17/europe-is-back/?utm_source=PostUp&amp;utm_medium=email&amp;utm_campaign=14095&amp;utm_term=Editor#39;s Picks OC</a></p>	
<p>Turkey officially kicked out of F-35 program, costing US half a billion dollars</p> <p><a href="https://www.defensenews.com/air/2019/07/17/turkey-officially-kicked-out-of-f-35-program/?utm_source=Sailthru&amp;utm_medium=email&amp;utm_campaign=EBB07.18.19&amp;utm_term=Editorial - Early Bird Brief">https://www.defensenews.com/air/2019/07/17/turkey-officially-kicked-out-of-f-35-program/?utm_source=Sailthru&amp;utm_medium=email&amp;utm_campaign=EBB07.18.19&amp;utm_term=Editorial - Early Bird Brief</a></p>	
<p>British military scrambles to speed up work on hypersonic engines, weapons</p> <p><a href="https://www.defensenews.com/global/europe/2019/07/18/british-military-scrambles-to-speed-up-work-on-hypersonic-engines-weapons/?utm_source=Sailthru&amp;utm_medium=email&amp;utm_campaign=EBB07.18.19&amp;utm_term=Editorial - Early Bird Brief">https://www.defensenews.com/global/europe/2019/07/18/british-military-scrambles-to-speed-up-work-on-hypersonic-engines-weapons/?utm_source=Sailthru&amp;utm_medium=email&amp;utm_campaign=EBB07.18.19&amp;utm_term=Editorial - Early Bird Brief</a></p>	
<p>Whoops! Canadian senator accidentally revealed European locations of US nuclear weapons</p> <p><a href="https://www.militarytimes.com/off-duty/military-culture/2019/07/17/whoops-canadian-senator-accidentally-revealed-location-of-us-nuclear-weapons-in-europe/?utm_source=Sailthru&amp;utm_medium=email&amp;utm_campaign=EBB07.18.19&amp;utm_term=Editorial - Early Bird Brief">https://www.militarytimes.com/off-duty/military-culture/2019/07/17/whoops-canadian-senator-accidentally-revealed-location-of-us-nuclear-weapons-in-europe/?utm_source=Sailthru&amp;utm_medium=email&amp;utm_campaign=EBB07.18.19&amp;utm_term=Editorial - Early Bird Brief</a></p>	

<p>Demise of key nuclear pact looms as US, Russia meet</p> <p><a href="https://www.militarytimes.com/flashpoints/2019/07/18/demise-of-key-nuclear-pact-looms-as-us-russia-meet/?utm_source=Sailthru&amp;utm_medium=email&amp;utm_campaign=EBB07.18.19&amp;utm_term=Editorial - Early Bird Brief">https://www.militarytimes.com/flashpoints/2019/07/18/demise-of-key-nuclear-pact-looms-as-us-russia-meet/?utm_source=Sailthru&amp;utm_medium=email&amp;utm_campaign=EBB07.18.19&amp;utm_term=Editorial - Early Bird Brief</a></p>	
<p>Turkey's purchase of Russian missiles a 'serious and difficult' issue for alliance, says NATO chief</p> <p><a href="https://www.cbc.ca/news/politics/powerandpolitics/nato-turkey-purchase-russia-missiles-serious-issue-1.5213841">https://www.cbc.ca/news/politics/powerandpolitics/nato-turkey-purchase-russia-missiles-serious-issue-1.5213841</a></p>	

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

**#Arctic**

POLAR UPdate, Summer 2019

<https://www.canada.ca/en/polar-knowledge/polar-updates-newsletter/issue-12.html>

**#ballistic missile defence**

What’s Old is New: Considering Canadian Participation in Ballistic Missile Defence

<http://natoassociation.ca/whats-old-is-new-considering-canadian-participation-in-ballistic-missile-defence/>

**#drones**

UAVs in the Middle East: Coming of Age

<https://rusi.org/commentary/UAVs-in-the-Middle-East-Coming-of-Age>

**#Canadian Armed Forces**

Chief of the Defence Staff announces Canadian Armed Forces General and Flag Officer senior appointments, promotions, and retirements

<https://www.canada.ca/en/department-national-defence/news/2019/07/chief-of-the-defence-staff-announces-canadian-armed-forces-general-and-flag-officer-senior-appointments-promotions-and-retirements.html>

Supporting the Canadian Army Reserves

<https://www.canada.ca/en/department-national-defence/news/2019/07/supporting-the-canadian-army-reserves.html>

Note the mission tasks (this naval editor struggles with that term despite having taught it...) mentioned in the news release: Assault Pioneers, Cyber Protection Troop, Light Urban Search and Rescue, and 17 more “20 Canadian Army functions” (full list being sought). The 'Strong, Secure, Engaged' defence policy has: Assign Reserve Force units and formations new roles that provide full-time capability to the Canadian Armed Forces through part-time service, including:

- Light Urban Search and Rescue;
- Chemical, Biological, Radiological and Nuclear Defence;
- Combat capabilities such as direct fire, mortar and pioneer platoons;

- Cyber Operators;
- Intelligence Operators;
- Naval Security Teams; and
- Linguists.

The "Backgrounder: Strengthening the Army Reserve through Mission Tasks" (<http://www.army-armee.forces.gc.ca/en/news-publications/national-news-details-no-menu.page?doc=backgrounder-strengthening-the-army-reserve-through-mission-tasks/jgb8dbj5>) provides more info but does not list 20 functions/mission tasks.

### **#civil affairs**

Civil Affairs in Caen

<https://www.junobeach.org/canada-in-wwii/articles/civil-affairs-in-caen/>

From one of our members. Historical lessons of CA. Such lessons, from a major war, may not seem to some people as relevant these days, but there are aspects that can be applied in the sort of operations the CAF is currently experiencing and planning for, and historical lessons are always good to assist thinking today. If nothing else, the reading list is worth a look.

### **#gray zone**

By Other Means—Part I: Campaigning in the Gray Zone

<https://www.csis.org/analysis/other-means-part-i-campaigning-gray-zone>

"...the contested arena between routine statecraft and open warfare--the 'gray zone.'"

Report at:

[https://csis-prod.s3.amazonaws.com/s3fs-public/publication/Hicks\\_GrayZone\\_interior\\_v4\\_FULL\\_WEB.pdf](https://csis-prod.s3.amazonaws.com/s3fs-public/publication/Hicks_GrayZone_interior_v4_FULL_WEB.pdf)

### **#information operations**

New Technology and 'Old' Think Tanks

<https://rusi.org/commentary/technology-and-old-think-tanks>

"And, with fake news on the rise, lay people are more perceptive than ever of where news originates, and this is leading to a greater general interest in the research work of policy institutes."

Public–Private Collaboration to Counter the Use of the Internet for Terrorist Purposes: What Can be Learnt from Efforts on Terrorist Financing?

<https://rusi.org/publication/other-publications/public-private-collaboration-counter-use-internet-terrorist-purposes>

Following the Whack-a-Mole: Britain First's Visual Strategy from Facebook to Gab

<https://rusi.org/publication/other-publications/following-whack-mole-britain-firsts-visual-strategy-facebook-gab>

### **#intelligence**

Espionage and LinkedIn: How Not to Be Recruited As a Spy

<https://worldview.stratfor.com/article/linkedin-cybersecurity-recruitment-hostile-intelligence-agency>

## **#international law**

Silence and the Use of Force in International Law

<https://www.lawfareblog.com/silence-and-use-force-international-law>

Report "Quantum of Silence: Inaction and Jus ad Bellum" at:

<https://pilac.law.harvard.edu/quantum-of-silence>

"...the actual and potential roles of silence in the identification and the development of international law, with a particular focus on jus ad bellum."

"...states and other international actors that are concerned about existing jus ad bellum — or about how that law may be developing — may wish to more strategically and systematically consider the contexts in which they speak out and those in which they remain silent."

## **#seapower**

RUSI First Sea Lord's Sea Power Conference

<https://rusi.org/publication/conference-reports/rusi-first-sea-lords-sea-power-conference>

## **#search and rescue**

Game-changing Funding Plan for BC Search & Rescue

<https://security.frontline.online/article/2019/1/11771-Game-changing-Funding-Plan-for-BC-Search-Rescue>

"The new funding plan announced for search and rescue groups in British Columbia may well become the standard by which volunteer SAR service funding is measured across Canada."

## **#space**

The Outer Space Treaty and the weaponization of space

<https://thebulletin.org/2019/06/the-outer-space-treaty-and-the-weaponization-of-space/>

## **Other:**

### **Defence Policy Projects**

The Parliamentary Budget Office (PBO) requested of DND a list of projects budgeted in Canada's defence policy 'Strong, Secure, Engaged' ([https://pbo-dpb.gc.ca/web/default/files/Documents/Info%20Requests/2019/IR0427\\_DND\\_SSE\\_Update\\_MM\\_Ltr\\_EN.pdf](https://pbo-dpb.gc.ca/web/default/files/Documents/Info%20Requests/2019/IR0427_DND_SSE_Update_MM_Ltr_EN.pdf)). An answer was made by DND ([https://pbo-dpb.gc.ca/web/default/files/Documents/Info%20Requests/2019/IR0427\\_2019-07\\_15\\_ND\\_Updating%20list%20for%20SSE%20Project\\_EN.pdf](https://pbo-dpb.gc.ca/web/default/files/Documents/Info%20Requests/2019/IR0427_2019-07_15_ND_Updating%20list%20for%20SSE%20Project_EN.pdf)), however, the response when posted by PBO did not include enclosures with list of projects. A query has been made by RUSI(NS) about the enclosures. A DND office came back and noted that whilst it is unknown why PBO would not have chosen to publish the enclosures, from the DND perspective, all funded SSE projects (~240) are posted in the Defence Capabilities Blueprint at <http://dgpapp.forces.gc.ca/en/defence-capabilities-blueprint/index.asp>.

### **Joint Force Quarterly 93 2nd Quarter, April 2019**

<https://ndupress.ndu.edu/Portals/68/Documents/jfq/jfq-93/jfq-93.pdf>

contents:

“Untapped Resources” for Building Security from the Ground Up

Tactical Maneuver in the Cyber Domain: Dominating the Enemy

From DOPMA to Google: Cyber as a Case Study in Talent Management

Covert Action as an Intelligence Subcomponent of the Information Instrument

Augmenting Bloom for Education in the Cognitive Domain

Warrior Women: 3,000 Years in the Fight

Military Medicine: The Gender Gap in Trauma Training

The Acquisition and Cross Servicing Agreement: An Old Tool for the Modern Military

A Model for Tactical Readiness Through Strategic Opportunity  
Unity of Command: Authority and Responsibility over Military Justice  
U.S. Africa Command and Its Changing Strategic Environment  
Enhancing Unit Readiness on the Southwest Border  
Gallipoli: Lessons from the Great War on the Projection of Power and Joint Forcible Entry  
The Insufficiency of U.S. Irregular Warfare Doctrine  
Fire for Effect: The Evolution of Joint Fires

**NATO Multimedia Library** Thematic Bibliography no. 4/19 "Information Warfare"

[http://www.natolibguides.info/ld.php?content\\_id=32392610](http://www.natolibguides.info/ld.php?content_id=32392610)

Library catalogue: <https://n10314uk.eos-intl.eu/N10314UK/OPAC/Index.aspx>

**Naval War College Review** Volume 72, Number 3, Summer 2019

<https://digital-commons.usnwc.edu/nwc-review/>

contents:

ATO's Selective Sea Blindness—Assessing the Alliance's New Navies

Preparing Today for the Mines of Tomorrow

Back to Basics—Research Design for the Operational Level of War

Storm Clouds on the Horizon—Challenges and Recommendations for Military Recruiting and Retention

Origins of a "Ragged Edge"—U.S. Ambiguity on the Senkakus' Sovereignty

"They Were Playing Chicken"—The U.S. Asiatic Fleet's Gray-Zone Deterrence Campaign against Japan, 1937–40



Canadian Forces @CanadianForces 15 Jul tweeted: #DYK that in addition to delivering results at home, such as helping our soldiers respond to spring flooding, the TAPV fulfills a variety of roles on the battlefield like reconnaissance & surveillance, security, command & control, & armoured transport of personnel & cargo?

## TACTICAL ARMoured PATROL VEHICLE (TAPV)

### RECONNAISSANCE (RECCE)

**193**

delivered

- > **138** equipped with a remote weapons system
- > Crew of **3** personnel (driver, crew commander, gunner) and **2** passengers



### GENERAL UTILITY (GU)

**307**

delivered

- > **226** equipped with a remote weapons system
- > Crew of **3** personnel (driver, crew commander, gunner) and **3** passengers



- > Multi-purpose wheeled combat vehicle
- > Reconnaissance and surveillance
- > Armoured transport of personnel and equipment
- > Mobility in tough terrain
- > Equipped with a remote weapons system

### Dimensions:

**6.81 m**

Length

**2.75 m**

Width

**2.39 m**

(roof)

**3.21 m**

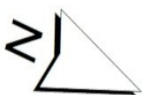
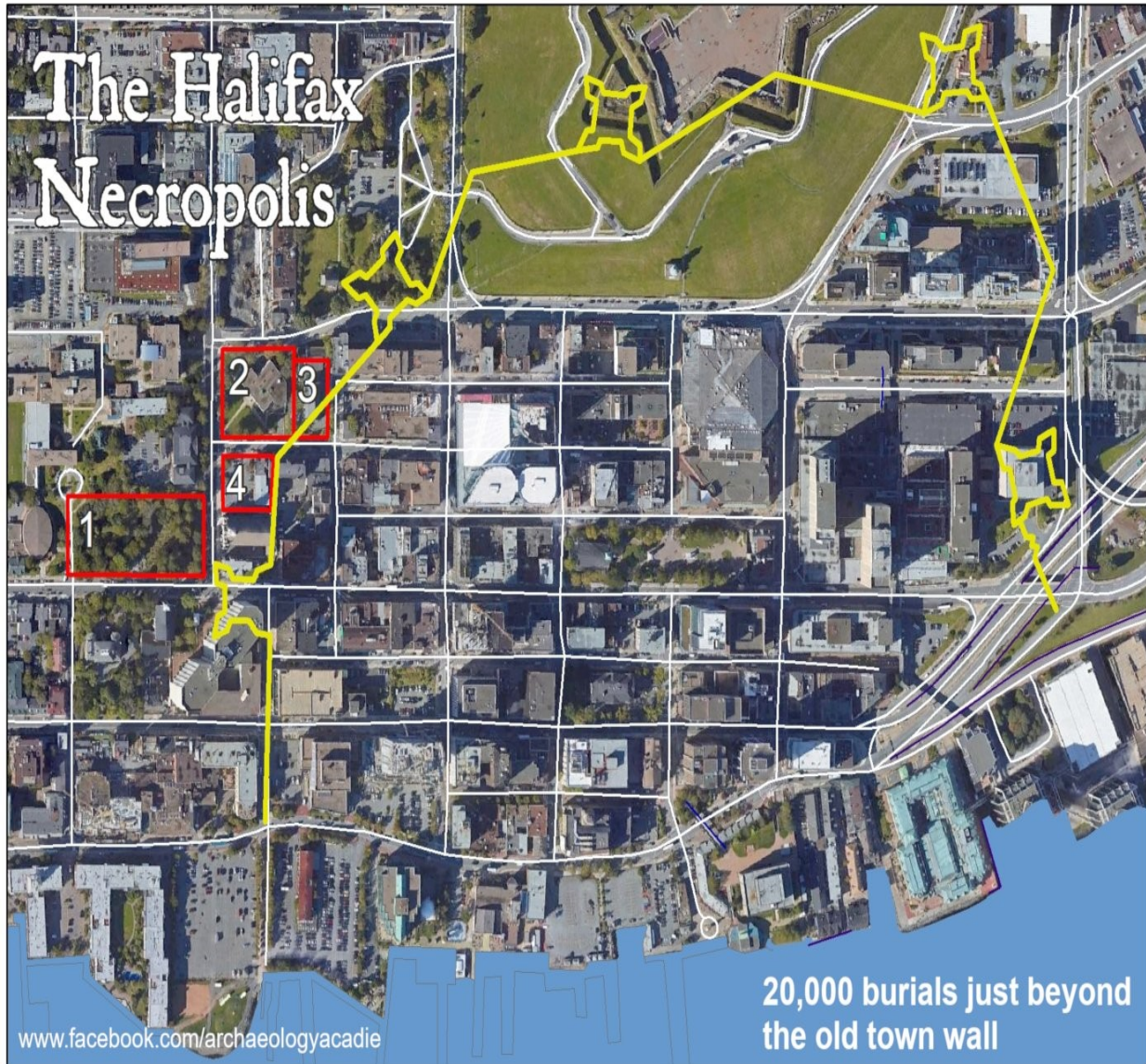
Height

(with remote weapons system)

Basic weight:	15,850 kg (curb weight)
Combat load:	18,300 kilograms (gross vehicle weight) (41,000 lbs)
Maximum forward speed:	110 km/h
Range:	650 km @ 88 km/h
Fuel type:	Diesel or JP-8 (jet-fuel)
Fuel capacity:	272 L (main) + 19 L (reserve)

Jonathan Fowler on Twitter 2:39 PM · Jul 14, 2019: "Two conversations about the Halifax Necropolis - five historic cemeteries containing approximately 20,000 burials in the heart of the downtown. We have yet to suitably memorialize those whose remains have been forgotten here. <https://t.co/2MTzPeGkh2> <https://t.co/unGELAp8Iv>" / Twitter (<https://twitter.com/ArchInAcadie/status/1150459857226665985>)

two radio interviews at: <https://www.facebook.com/archaeologyacadie/videos/1493426754115768/>



0 50 100 200  
Meters

1. Old Burying Ground (1749 - 1844)
2. Poor House Cemetery (ca. 1760 - ca. 1860s)
3. Methodist Cemetery (1793 - 1844)
4. Catholic Cemetery (1784 - 1843)