



Royal United Services Institute of Nova Scotia Dispatches 18 December 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/>



Membership Renewal. Renewal reminders have been emailed by our Secretary, Tom Birchall. If you have not yet responded (thank you if you have), please do so soon. Tom is doing a major scrub down of our membership data base. We don't want to lose you. If you are not a member and are interested in becoming one, please email RUSINovaScotia@gmail.com. Annual dues can range from zero to \$25.

Events:

To list an event in *Dispatches*, email the CIO by noon Thursday. If you have an idea for a topic or speaker, please 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.

Amended: 12 January, Tuesday - RCN presentation "Canadian Surface Combatants - the RIGHT ship for the Royal Canadian Navy, the RIGHT ship for Canada" by Captain(N) Christopher Nucci, Director Naval Strategy. To register, email Kray Robichaud Kray.Robichaud@forces.gc.ca – please include your full name and professional details (position/title & organization).

20 January 2021, Wednesday – RUSI(NS) Distinguished Speaker Major-General Michel-Henri St-Louis, titled "Against Daesh, and for the World Order": An Update on Operation IMPACT in the COVID-19 Era." 1300-1500, via Zoom. Call-to-meeting and invitations will be sent later. Registration will commence in the New Year.

27 January, Wednesday - RCN presentation "A portrait of an artist - Sculptor-in-Residence, Royal Canadian Navy, Mr. Christian Corbet." In 2012, Christian Corbet was named SiR for the RCN. Attendees to this virtual presentation will have access his workshop and a once-in-a-life time opportunity to learn more about the RCN SiR and the worldwide work of Christian Corbet, widely recognized as one of Canada's pre-eminent artists. Invitation to follow.

Recent Publications:

New: RUSI(NS) Presentation "Renewing Coast Guard's Fleet" by Derek Moss, CCG, 9 December 2020
https://rusi-ns.ca/renewing_ccg_fleet/

Revised: RUSI(NS) Information Note "Ship Sponsor," 7 December 2020
<https://rusi-ns.ca/sponsor/>

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/

The Military Institute of Windsor Communiqué, Volume XXXVIII Number 11 December 2020 is available on request to RUSINovaScotia@gmail.com.

The United Services Institute of Nanaimo and North Island (USINNI) Newsletter Vol 28 No 12 December 2020 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.

Foreign state militaries are operating in our domestic public information space. @CanadianForces needs to learn that environment, be prepared to operate in it <https://ottawacitizen.com/news/national/defence-watch/government-efforts-to-counter-propaganda-risk-undermining-public-trust> Though, yes, with transparency to/oversight by civil government, itself accountable publicly (Government efforts to counter propaganda risk undermining public trust)

Also note: Introducing the Integrated Operating Concept (https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/922969/20200930_-_Introducing_the_Integrated_Operating_Concept.pdf)

Macdonald-Laurier Institute @MLInstitute 8 Dec tweeted: NEW: For some provincial governments, the pandemic has effectively transformed the @CanadianForces into provincial emergency first responders. Yet this new responsibility will likely only further burden the Canadian military in the future. #cdnpoli #cdnfp

(The Moral Hazard in using Canadian Armed Forces as Provincial First Responders

https://www.macdonaldlaurier.ca/moral-hazard-canadian-armed-forces/?mc_cid=7c5cfbf950&mc_eid=a05364e0c5)

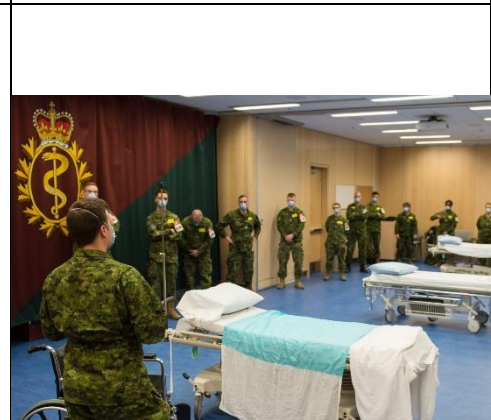
RUSI(NS) retweeted: Lessons of response to #COVID-19 pandemic (lessons which CAN🇨🇦 should be publicly collecting now) should include consideration of enhancing robustness of civil capabilities. @CanadianForces is there to help when provinces overwhelmed; provinces need to be more resilient

CMN Canadian Military News @CanMNews tweeted 15 Dec: The latest edition of the SANITAS, the @4HSvcsGp eMagazine is now online! @CFHSvcs @milperscom @CFOperations

(Sanitas Dec 2020

<https://en.calameo.com/books/004605143c9f072fb7da4>)

RUSI(NS) retweeted: .@CanadianForces 4th Health Services Group. Part of Canadian Forces Health Service, assisting CANCA response to #COVID-19. #OpLENTUS #CAF



STRATCOMCOE @STRATCOMCOE 15 Dec tweeted and RUSI(NS) retweeted: By using #InformationLaundering techniques Kremlin can strategically mislead audiences without incurring extensive political and military costs. Read more about Information Laundering in Germany:

<https://bit.ly/37iGrwK>

(Information Laundering in Germany

<https://www.stratcomcoe.org/information-laundering-germany>)



CCG Pollution Response Vessel

Seeing this tweet soon after Derek Moss' 9 Dec 20 presentation "Renewing Coast Guard's Fleet" (https://rusi-ns.ca/renewing_ccg_fleet/) led to the question, what is the vessel?

Canadian Coast Guard @CoastGuardCAN 15 Dec tweeted: #CCGLive: UPDATE on #BlighIslandShipwreck. The Mowachaht/Muchalalt First Nation has joined Incident Command to manage the #BlighIslandShipwreck response.

<https://twitter.com/CoastGuardCAN/status/1338930931676098560>



A RUSI(NS) member identified it as a PRV (pollution response vessel) III environmental response barge. A Robert Allan design (RAL are also the designers for the Naval Large Tug project, four tugs of which are being procured for the Queen's Harbour Masters), 14.3 m length and 13.3 tonnes with twin stern drives. There is a smaller PRV II model with twin outboards. "It is believed that there are several tens of PRV across the country."

Posted on Facebook Royal United Services Institute NS with comments:

Outsourcing Disinformation

<https://www.lawfareblog.com/outsourcing-disinformation>



"... governments will likely continue to (outsource disinformation operations) through these private firms because they benefit from the indirect approach."

Hmm, a form of proxy warfare. Makes information operations that much more difficult. IO is a field where militaries such as the Canadian Armed Forces need to ensure they have as much understanding and experience as possible. CAF operators need to know how to handle being 'attacked' by country X via its use of companies in country Y.

'Too much noise' on Canadian warship program - DND Deputy Minister admonishes industry executives

<https://www.saltwire.com/news/canada/too-much-noise-on-canadian-warship-program-dnd-deputy-minister-admonishes-industry-executives-530739/>



"I think there's still too much noise from unsuccessful bidders that makes my job and Bill's job very difficult " (Jody Thomas, Deputy Minister, Department of National Defence).

One kinda wonders what constitutes 'noise' such that a senior departmental official sees need to so admonish.

From information laundering to influence: Russia's footprints in Germany

<https://euvsdisinfo.eu/from-information-laundering-to-influence-russias-footprints-in-germany/>



Term alert! "Information laundering."

Information laundering is a process within an information influence campaign. Through the process of 'laundering' hostile actors try to legitimise deceitful information through a network of intermediaries. They apply a set of techniques to gradually distort a narrative and obscure the original source. In fact, it is quite similar to how criminals launder illegally obtained funds through financial institutions.

"... by exposing how these processes occur and who participates in them, (the NATO's Stratcom Centre of Excellence report) allows international institutions and national governments, as well as civil society and journalists, to build resilience against information influence activities."

Arctic search and rescue partners pioneer virtual tabletop exercise

<https://www.seatrade-cruise.com/safety-security/arctic-search-and-rescue-partners-pioneer-virtual-tabletop-exercise>



"... a scenario in which an expedition cruise vessel temporarily loses steering and grounds on a submerged shelf in a remote part of the Arctic. As the scenario progresses, the players must figure out how to evacuate the unstable ship and establish a beach camp. The 175 passengers and 120 crew and

staff must be kept safe while awaiting rescue, initially by an expedition cruise vessel and eventually by professional search and rescue responders."

Exercises like this, table-top, functional and full, are important planning activities between the operator and responder sectors. For starters, they build connections and teams, particularly important between the government and civil sectors. Useful for identifying capabilities and deficiencies. Over the years, as the Arctic is opened up further, Canadian agencies have increasingly conducted or been involved in such exercises.

We Need a Goldwater-Nichols Act for Emerging Technology

<https://www.defenseone.com/ideas/2020/12/we-need-goldwater-nichols-act-emerging-technology/170794/>



"We (all states) need a similar approach today (unified effort legislatively mandated) as we move from an industrial-age, hardware-driven force to an information-age, software-driven, more risk-tolerant one."

Will COVID Finally Force Us to Think Differently About National Security?

<https://www.defenseone.com/ideas/2020/12/will-covid-finally-force-us-think-differently-about-national-security/170781/>



"Another key aspect of IW is sustaining unity of effort with partners and allies ..." "... helping allies develop societal resilience and resistance could deliver low-cost and high-impact benefits for the United States and our allies alike."

Acronym confusion alert! IW = irregular warfare. But then, IW as 'information warfare' has evolved through several generations of meaning and that initialism is in less use.

New U.S. Maritime Strategy Sets Sights on China






<https://news.usni.org/2020/12/17/new-u-s-maritime-strategy-sets-sights-on-china>



The US has published a new tri-service maritime strategy: Advantage at Sea; Prevailing with Integrated All-Domain Naval Power (<https://media.defense.gov/2020/Dec/17/2002553481/-1/-1/0/TRISERVICESTRATEGY.PDF/TRISERVICESTRATEGY.PDF>).

"The strategy notes that, in trying to find the funds to pay for fleets that can fulfill this vision, the services must prioritize sea control and sea denial over other missions."

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>RUSI www.rusi.org</p> <p>This Week</p> <p>https://mailchi.mp/rusi.org/weekly11december?e=813c0cd331</p>	
<p>Most of the used fighter jets bought by Canada are still not in service, MPs hear</p> <p>https://www.cbc.ca/news/SOMNIA-1.5836504</p>	
<p>South Korea accelerates deployment of unmanned systems</p> <p>https://www.defensenews.com/global/asia-pacific/2020/12/10/south-korea-accerlates-deployment-of-unmanned-systems/</p>	
<p>British defense secretary says ‘tough choices’ are coming due on spending</p> <p>https://www.defensenews.com/global/europe/2020/12/11/britis-h-defense-secretary-says-tough-choices-are-coming-due-on-spending/</p>	

Russian nuclear submarine test-fires 4 missiles

<https://www.militarytimes.com/news/your-military/2020/12/13/russian-nuclear-submarine-test-fires-4-missiles/>



China and Russia plan to 'deepen' cooperation against US

<https://www.washingtonexaminer.com/policy/defense-national-security/china-and-russia-plan-to-deepen-cooperation-against-us>



Report estimates Chinese nuclear stockpile at 350 warheads

<https://www.defensenews.com/global/asia-pacific/2020/12/14/report-estimates-chinese-nuclear-stockpile-at-350-warheads/>



Chinese military using virtual reality to boost their combat readiness





<https://www.scmp.com/news/china/military/article/3113922/chinese-military-using-virtual-reality-boost-their-combat>



Ship Sponsor

<https://rusi-ns.ca/sponsor/>



<p>Sweden ups defense budget 40% due to regional tensions</p> <p>https://www.defensenews.com/global/europe/2020/12/15/sweden-ups-defense-budget-40-due-to-regional-tensions/</p>	
<p>China's Shandong aircraft carrier completes sea trial but no word on basic combat readiness</p> <p>https://www.scmp.com/news/china/military/article/3114064/chinas-shandong-aircraft-carrier-completes-sea-trial-no-word</p>	
<p>Taiwan launches 'carrier killer' corvette as it strengthens defences against mainland China attack</p> <p>https://www.scmp.com/news/china/military/article/3114019/taiwan-launches-carrier-killer-corvette-it-strengthens-defences</p>	
<p>Japan Plans To Spend \$48 Billion To Field F-X Stealth Fighters By 2035 That Would Outperform F-35 And Chinese Fighters</p> <p>https://www.forbes.com/sites/sebastienroblin/2020/12/15/japan-s-mitsubishi-to-deploy-48-billion-f-x-stealth-fighters-by-2035-with-boost-from-lockheed/?sh=2092bf182036&utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2012.16.20&utm_term=Editorial%20-%20Early%20Bird%20Brief</p>	

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

#Arctic

KVH expands maritime network coverage for Hudson Bay and North Atlantic

Potentially useful of communications in a region that normally suffers poor comms:

<https://shipmanagementinternational.com/kvh-expands-maritime-network-coverage-for-hudson-bay-and-north-atlantic/>

#army organization

Learning from how our Allies' armies are organized

<https://uklandpower.com/2020/12/08/learning-from-how-our-allies-armies-are-organized/>

#command

The Good OC

<https://thearmyleader.co.uk/good-oc/>

#COVID

OVID-19 and the International Security Environment

<https://news.usni.org/2020/12/16/document-covid-19-and-the-international-security-environment>

#culture

A culture of apathy and dishonesty within the British Army

<https://wavellroom.com/2020/12/09/cultural-apaty-and-dishonesty-within-the-british-army-say-do-gap/>

#cyber ops

Cyber Security Incentives and the Role of Cyber Insurance

<https://rusi.org/publication/emerging-insights/cyber-security-incentives-and-role-cyber-insurance>

#defence funding

Looking for silver linings: Budgetary certainty for the military in times of economic recession

A comparison: <https://researchcentre.army.gov.au/library/land-power-forum/looking-silver-linings-budgetary-certainty-military-times-economic-recession>

See also: Sustaining Strong, Secure and Engaged Funding: What the COVID-19 Pandemic Means for Defence Funding

<http://www.journal.forces.gc.ca/vol20/no4/page60-eng.asp>

#defence policy

Five Tests for the Integrated Review

<https://rusi.org/publication/occasional-papers/five-tests-integrated-review>

#drones

The Latecomer: Germany's Debate on Armed Drones

<https://rusi.org/commentary/germany-politics-armed-drones>

Canada Wants Armed Drones in the Air by 2025

<https://www.vice.com/en/article/v7gqvm/canada-wants-armed-drones-in-the-air-by-2025>

#economic warfare

Money and Influence: The Economic Aspects of Great Power Competition

<https://mwi.usma.edu/money-and-influence-the-economic-aspects-of-great-power-competition/>

#grand strategy

A renewed Canadian approach to alliance-building

https://macdonaldlaurier.ca/files/pdf/20201209_Canadian_approach_to_alliance-building_Devlen_COMMENTARY_FWeb.pdf

#gray zone warfare

China launches 'gray-zone' warfare to subdue Taiwan

<https://www.reuters.com/investigates/special-report/hongkong-taiwan-military/>

#incident command system #NATO

The Next-Generation Incident Command System

https://www.nato.int/cps/en/natohq/news_179991.htm

#influence operations

Survey on Countering Influence Operations Highlights Steep Challenges, Great Opportunities

<https://carnegieendowment.org/2020/12/07/survey-on-countering-influence-operations-highlights-steep-challenges-great-opportunities-pub-83370>

#information operations

20/20 Vision by First Draft

<https://firstdraftnews.org/long-form-article/20-20-vision/>

Train Troops to Use Social Media More Effectively

<https://www.defenseone.com/ideas/2020/12/train-more-troops-use-social-media/170715/>

#NATO

The Future of NATO

<https://www.lawfareblog.com/future-nato>

#Royal Canadian Navy

"Your Navy Today - November 2020"

<http://www.navy-marine.forces.gc.ca/en/news-ynt/2020/11-your-navy-today.page>

#shipbuilding

CSC Costs – Again!

<https://www.navalreview.ca/2020/12/csc-costs-again/>

CSC Jobs and Industrial Benefits: Pugliese on a Roll!?

<https://www.navalreview.ca/2020/12/csc-jobs-and-industrial-benefits-pugliese-on-a-roll/>

The NSS and Government-Media Relations – Canadian Naval Review

<https://www.navalreview.ca/2020/12/the-nss-and-government-media-relations/>

#simulation

Cutting-edge simulation facility planned for Townsville

<https://www.aspistrategist.org.au/cutting-edge-simulation-facility-planned-for-townsville/>

#strategy

The Importance of the Strategic Level: Germany in the Second World War

<https://thestrategybridge.org/the-bridge/2020/4/7/the-importance-of-the-strategic-level-germany-in-the-second-world-war>

#war

Climate-change and War (part one): Tilting at ‘Straw Men’

<https://defenceindepth.co/2020/12/15/climate-change-and-war-part-one-tilting-at-straw-men/>

#warfare

A Look at the Military Lessons of the Nagorno-Karabakh Conflict

<https://russiamatters.org/analysis/look-military-lessons-nagorno-karabakh-conflict>

Other:

Security Affairs Committee Synopsis

First, China and Canada. This week saw the report that General Vance stopped CAF training with the People's Liberation Army (PLA). This training included candidates at the National Defence Academy and Toronto staff college as well as winter warfare training in Petawawa. It also saw that Global Affairs Canada (GAC) and the Prime Minister's Office (PMO) were not asked about this prior to General Vance taking action after the Two Michaels were illegally arrested on made up charges as revenge for the arrest of Meng Wanzhou. What was not apparent to the folks in GAC is the second and third order of effects on other countries, most notably India which is taking Canada's position badly especially since Prime Minister Trudeau made comments on an Indian national problem in regard to a Farm Strike. This is on top of his previous actions of inviting a known terrorist to a function at our High Commission and his almost comic dress routine during his last tour of India. Yet he makes little real comment on one of the worst authoritarian regimes in human history.

China has continued to attack its own tech sector with major changes to what constitutes the law in China. The new laws rein in large firms such as recently seen with Ant financial, but apparently the sights of the Communist Chinese Party (CCP) are now on large firms of all types as they are now seen as possible rivals in some respects to the CCP's survival. The new regulations may also effect the ability of these large firms to raise money from outside China if it is demonstrated that they can be affected more directly by the CCP. The CCP has one constant, its survival. It may call it something else like stability but when all is said and done, survival of the party and its cronies is the real name of the game. It is very similar to any criminal organized crime. Its usual method is racketeering, threats, 'taxes,' new rules, all tried and true methods of a Mafia-style effort.

Speaking of new rules and taxes, China hit Australia again with new tariffs on barley and new state decrees on Australian coal. Currently, Australians have 50+ ships filled with coal, waiting to be unloaded and stuck in Chinese ports. The CCP has said that this is part of their ongoing effort to clean the environment. In actual fact, a fleet of ships is being held hostage at great expense to Australia. Keep in mind a whole host of Australian products have been attacked in a similar way. The situation is not likely to get better for Australia in the near term. The CCP has done similar things to Canada. So far the Australians have not budged, but their government is under increasing pressure to 'fix' the issue with China. Note: Australia has officially gone to the WTO about the new Barley tariffs. China responded this morning stating that they will disregard any China Australia relations until Australia 'corrects' its ways.

Russia continues to be surrounded by a large number of low-level conflicts. This week saw the breaking of the ceasefire between Azerbaijan and Armenia in Nagorno Karabakh. No large scale fighting as such, but it is a concern that Azeri soldiers have committed a number of war crimes against civilians who chose to stay, and of course both sides attacked civilian centres, all of which are war crimes.

Demonstrations have continued in Belarus with a number of demonstrators being arrested. The number arrested is now closing on 20k. So far, security forces have continued to support Lukashenko, although individual sanctions by the US and the EU are now starting to bite the economy. The Russians have thus far been fairly quiet (it is relative).

The biggest news of course this week is the CNN Bellingcat report on the Navalny poisoning which names names and addresses of the FSB agents involved along with the necessary video and their

connection to President Putin. As of this synopsis, there is no official comment to the report. Until now, Moscow has produced a number of fabrications including blaming German authorities. Note: Putin at one of his long questions-from-the-people sessions was asked about the Bellingcat report. He said it was funny and in fact laughed about 'the man from Berlin' and suggested that he was a CIA plant.

Russia also fired four Bulova ballistic missiles in salvo from a Pacific fleet submarine. The missile test was successful and all missiles apparently fired successfully and landed in the target area. This program has been beset with major issues; at one point only half the missiles were successful. It does seem that the program is resolving major issues. Russia continues to take on new small warships, usually the size of a corvette or cutter, rather than any new programs of major vessels. Although the *Kunetsov* is just about finished its maintenance period and will rejoin the fleet sometime in the next year or so along with an upgrade of two battle cruisers which gives the semblance of a 'blue water navy.' There are no active programs of new major surface ships in the near term and only five Udaloy-class destroyers will be upgraded out of the original 14. Only eight are currently in commission along with four Sovremenny-class that are slightly older and not upgraded. No new cruisers and only a slow rate of frigates is being produced. Twenty-seven corvettes and cutters have been built since 2000 with the largest being about 2200 tonnes. Most of this light fleet vessels are between 30 and 40 years of age and of dubious combat value. As always, the Russian submarine fleet is the main arm and consists of 65 nuclear submarines and 23 diesel boats of various types and age and maintenance levels. The Russians have worked hard but corruption and the general age of most vessels means that the fleet is in questionable shape, although Russian media and others will swear that it is all first class. There is considerable doubt that this is reality. Russia appears to be heading for a navy that is only capable of coastal and light sea operations. This would seem to be enough if all one wants to do is clear the path for the submarine fleet to the Atlantic in the Far North or the Pacific.

Turkey was sanctioned by the US over the purchase and use of the S400 air defence missile system. Turkey has responded that this shows the deterioration of the Atlantic Alliance. The Erdogan regime has been highly provocative recently, especially with its efforts in Azerbaijan and Erdogan's participation at victory celebrations in Baku. At this event he read a poem that enraged the Iranian government. Keep in mind that Iran also allegedly shot down Azeri drones during the conflict that flew too close to the border. Turkey views Azerbaijan as part of its 'people' or, as they stated, two nations-one people approach. This has the benefit of causing conflict and ill-will from both the Armenians and the Iranians. This conflict is likely to heat up again on a much larger scale. Keep in mind that Turkey is also involved in actions in the Eastern Mediterranean, Syria, Libya, Iraq, Somalia and other areas. and keep in mind the large naval build up by Turkey and the creation of a major ship building industry including the building and launching of a multi-purpose aircraft carrier/assault ship. The Erdogan regime is obviously looking at a larger picture and have much grander plans.

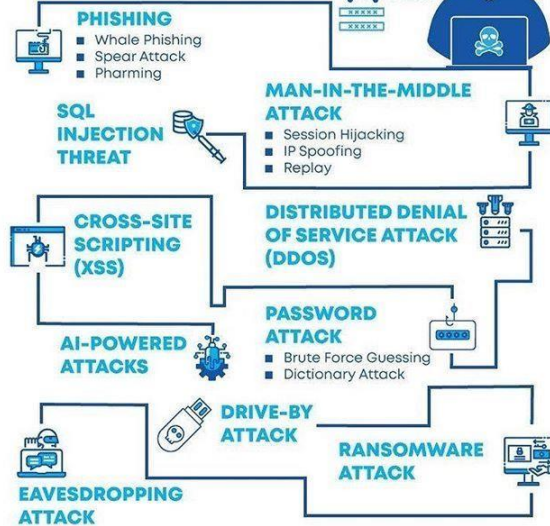
The US government was apparently hacked as far back as early summer 2020. The actual damage is still being assessed. More to follow on this issue.

CSIS also stated that there are actors attempting to disrupt the Canadian supply chain of vaccines and has issued a suitable warning.

Cyber Ops

There's a language to it. Not something readily picked up by us general types. Highlights the utility of specialized military and security cyber operators.

TYPES OF CYBER-ATTACKS



Lloyd's Register Canada Limited **Naval Webinars:**

Class Matters:

<https://register.gotowebinar.com/recording/viewRecording/2947787782839955723/3734611498297264391/robert.hollett@ca.thalesgroup.com?registrantKey=4727869620875241740&type=ABSENTEEMAILRECORDINGLINK>

Naval Ship Code Matters:

<https://register.gotowebinar.com/recording/viewRecording/52111761673548557/5987350295377111560/Robert.HOLLETT@ca.thalesgroup.com?registrantKey=7624342789078044176&type=ATTENDEEEMAILRECORDINGLINK>

Safety Matters:

<https://register.gotowebinar.com/recording/viewRecording/5636942536497159952/2371517247613202945/Robert.HOLLETT@ca.thalesgroup.com?registrantKey=536542291400622863&type=ATTENDEEEMAILRECORDINGLINK>

Handouts to these three webinars plus one on Unmanned marines Systems are available on request to RUSINovaScotia@gmail.com.

Maritime Engineering Journal Fall 2020

<http://www.cntha.ca/publications/m-e-j/>