



Royal United Services Institute of Nova Scotia

Dispatches

7 June 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. 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.

Defence Policy Initiative Monitoring

The RUSI(NS) Security Affairs Committee is monitoring progress of the government towards the 111 initiatives listed in the Canadian Defence Policy "Strong, Secure, Engaged" (SSE). Questions on SSE initiatives are being posed to CAF and DND staff, and articles and news releases are being reviewed for their reporting on initiatives. A monitoring document has been posted on the RUSI(NS) website at <https://rusi-ns.ca/category/publications/defence-policy/>.

Anyone (member or not of the Institute) who is interested in participating in this project, or who can assist and has information that can be added to the monitoring record, please contact Murray Lee, chair SAC, or email RUSINovaScotia@gmail.com.

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.

19 June, Wednesday - Distinguished Speaker Dr Garry Heard, Leader, Underwater Surveillance and Communications, Defence R & D Canada - Atlantic, on Defence Research & Development in the Arctic. 1130-1330. Royal Artillery Park Officers' Mess.

17 July, Wednesday - Distinguished Speaker TBA, speaking on Defence R&D from the industry perspective. 1130-1330. Royal Artillery Park Officers' Mess. The RUSI(NS) Executive considered planning factors and decided **not to proceed with a BBQ in July**, but rather continue with our normal third Wednesday speaker format.

Publications:



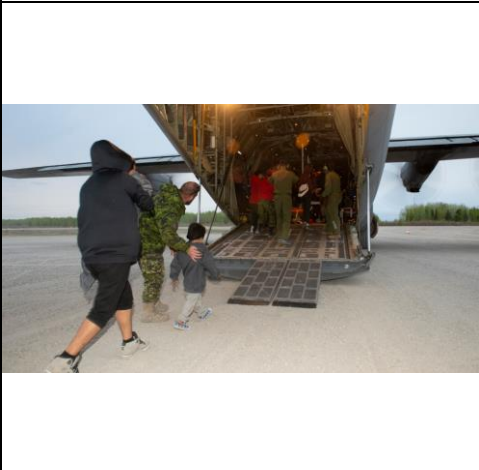
New: RUSI(NS) Information Note "Defence Project 'Quad Charts'," 5 June 2019
<https://rusi-ns.ca/defence-project-quad-charts/>

RUSI(NS) Information Note “Canadian Armed Forces Domestic Operations,” 12 May 2019
<https://rusi-ns.ca/domestic-operations/>

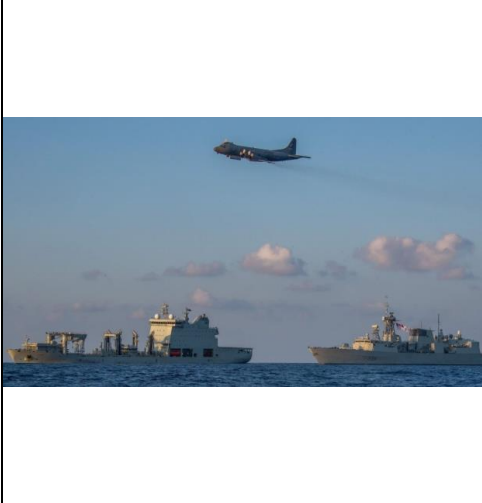
RUSI(NS) Information Note “The Canadian Combat Support Brigade,” 8 May 2019
https://rusi-ns.ca/canadian_combat_support_brigade/

The Military Institute of Windsor Communiqué, Volume XXXVII, Number 6, June 2019 is available on request to RUSINovaScotia@gmail.com.

Tweeted by @RUSI_NS: Original article title in parentheses. RUSI(NS) tweets may be viewed by clicking on the icon at <https://RUSI-NS.ca>. To have something tweeted or retweeted, email the CIO by noon Thursday. **We are getting contributions - if you aren't seeing topics you think should be covered, submit a draft tweet or tweet idea.**

<p>Canadian Armed Forces Operations @CFOperations 30 May tweeted and RUSI(NS) retweeted: Today, @Safety_Canada and @NationalDefence accepted a request for federal assistance with the evacuation of the Pikangikum First Nation community. We're helping to evacuate residents due to smoke from fires blowing east of the Manitoba border. #OpLENTUS https://www.canada.ca/en/department-national-defence/services/operations/military-operations/current-operations/operation-lentus.html (Operation LENTUS)</p>	
<p>Matthew Fisher @mfisheroverseas May 28 tweeted and RUSI(NS) retweeted: @CAGlobalAffairs Cracker jack piece. Devastating about why for security, jobs/Can-Am amity, Ottawa must buy F-35. Govt's current position ridiculous/untenable. If Canada tries to buy an inferior jet, it's certain US will veto it. So, enough grandstanding! https://www.cgai.ca/anatomy_of_a_buy_the_four_dimensions_of_procuring_a_future_fighter_for_canada (Anatomy of a Buy: The Four Dimensions of Procuring a Future Fighter for Canada)</p>	
<p>Canadian Armed Forces Operations @CFOperations 1 Jun tweeted: During two first days of operations, over 800 residents of Pikangikum were evacuated by Canadian Armed Forces. We are deployed under Op LENTUS 1902 to help Canadians in need. RUSI(NS) retweeted: Evacuation flights by @RCAF_ARC CC130 Hercules transport aircraft with assistance #CanadianRangers of @CanadianArmy, all part of @CFOperations-led #OpLENTUS in support Province ON. 800 residents of Pikangikum evacuated in 2 days - good metric https://www.canada.ca/en/department-national-defence/services/operations/military-operations/current-operations/operation-lentus.html #ONfires (Operation LENTUS)</p>	

#RCNavy #HMCSRegina, #RCAF Aurora patrol a/c, leased oiler #MVAsterix demonstrate flexibility of naval power: anti-terrorism & anti-drug ops off Africa (#OpARTEMIS), then diplomacy off Vietnam, then off Japan to enforce UN sanctions on NKorea (#OpNEON)
<https://vancouverisland.ctvnews.ca/canadian-navy-to-help-enforce-sanctions-against-north-korea-1.4447009>
 (Canadian Navy to help enforce sanctions against North Korea)
 RUSI(NS) retweeted: Operation NEON
<https://www.canada.ca/en/department-national-defence/services/operations/military-operations/current-operations/operation-neon.html> "CAN🇨🇦 contribution to coordinated multinational effort to support implementation of United Nations Security Council sanctions imposed against North Korea" #OpNEON



.@CanadianForces participates in Ex #TRADEWINDS2019
<https://www.canada.ca/en/department-national-defence/news/2019/05/canadian-armed-forces-participates-on-exercise-tradewinds-2019.html> Training w Caribbean partners in stopping cross-border crime/other threats, humanitarian assistance&disaster relief, quick response, & strengthening partnerships including mil-civ
<https://www.canada.ca/en/department-national-defence/services/operations/exercises/tradewinds.html>
 (Exercise TRADEWINDS)



Canadian Armed Forces Operations @CFOperations 2 Jun tweeted: At the request of the province of Alberta, Canadian Armed Forces is coordinating with provincial authorities and getting ready to launch Operation LENTUS 1903 in support of the fight against wildfires in Northern Alberta.
 RUSI(NS) retweeted: 3rd #OpLENTUS this year.
 @CanadianForces busy assisting provinces in response to natural disasters to help protect Canadians. Canadian Joint Operations Command-led joint operations of @CanadianArmy @RCN_MRC @RCAF_ARC
<https://www.canada.ca/en/department-national-defence/services/operations/military-operations/current-operations/operation-lentus.html>
 (Operation LENTUS)



US Navy fielding high-energy air defence laser & "deterrent" dazzler laser in warships to gain operational experience
<https://news.usni.org/2019/05/30/navy-to-field-high-energy-laser-weapon-laser-dazzler-on-ships-this-year-as-development-continues> Will #RCNavy CAN🇨🇦 Surface Combatant #CSC have power generation to mount laser, initially or installed later? Weapon of future is here now
 (Navy to Field High-Energy Laser Weapon, Laser Dazzler on Ships This Year as Development Continues)
 (also: UK tests warship power systems for Dragonfire laser weapon
<https://ukdefencejournal.org.uk/uk-tests-warship-power->



[systems-for-dragonfire-laser-weapon/](#)
 .@RUSI_org "The Future Conflict Operating Environment Out to 2030" <https://rusi.org/publication/occasional-papers/future-conflict-operating-environment-out-2030> "collection of essays about contemporary trends in war & warfare, & how they will shape actions of belligerents in future conflicts"



2CMBG @2Cmbg 3 Jun tweeted: #DYK The story of #Indigenous service in WWI, WWII, Korean War and later #CAF efforts is a proud one. It has been estimated that as many as 12,000 First Nations, Métis and Inuit people served in the great conflicts of the 20th century.
 pic.twitter.com/cdu8M4eMAc
 RUSI(NS) retweeted: RUSI(NS) Presentation "Growing Together – The Cultural Contribution of Indigenous People in the Canadian Military Since the First World War" <https://rusi-ns.ca/indigenous-in-the-canadian-military/>
 #IndigenousMilitaryProud



RCMP New Brunswick @RCMPNB 3 Jun tweeted and RUSI(NS) retweeted: Remembering our heroes and a community united <http://rcmp-grc.ca/53977> #Moncton



Many thanks @AmChamCanada for opportunity to listen to & give&take talk with @MightyMaroonTac during "Exceptional Leader's Dialogue" 4Jun19. Great discussion with #Halifax industry/trade & @5CdnDiv staff. Good luck, general, in next post as Deputy Commander @CanadianArmy!



Naval forces don't require advanced weaponry to be effective. China understands the use of all forms of naval power. PLAN & other maritime forces play a vital role in expanding China's influence in South China Sea & around globe
<https://www.defensenews.com/global/asia-pacific/2019/05/31/testing-the-waters-chinas-maritime-militia-challenges-foreign-forces-at-sea/> #naviesmatter
 (Testing the waters: China's maritime militia challenges foreign forces at sea)



1 ship, multiple crews, allows #RCNavy to maximize employment of leased replenishment oiler (AOR) #MVAsterix <https://ottawacitizen.com/news/national/defence-watch/canadian-navy-plans-to-use-asterix-supply-ship-even-more-next-year-vessel-to-be-at-sea-for-229-days> More AOR would offer even more deployment options to CAN🇨🇦



(Canadian navy plans to use Asterix supply ship even more next year – vessel to be at sea for 229 days)

Canadian Coast Guard @CoastGuardCAN 5 Jun tweeted and RUSI(NS) retweeted: Today, the 2nd Offshore Fisheries Science Vessel was launched by @MoreThanShips. Officially named CCGS Capt. Jacques Cartier, it will be homed in Dartmouth NS and will support our scientists to conduct scientific research. #NationalShipbuildingStrategy <https://www.canada.ca/en/canadian-coast-guard/news/2019/06/minister-wilkinson-joins-seaspan-to-celebrate-the-launch-of-the-canadian-coast-guards-second-new-offshore-fisheries-science-vessel.html>



(Minister Wilkinson joins Seaspan to celebrate the launch of the Canadian Coast Guard's second new Offshore Fisheries Science Vessel)

Also: Seaspan Shipyards launches second Offshore Fisheries Science Vessel

<https://www.seaspan.com/seaspan-shipyards-launches-second-offshore-fisheries-science-vessel>

ChildSoldiers.org @ChildSoldiers 5 Jun tweeted and RUSI(NS) retweeted: One of the tools developed by @ChildSoldiersIn that we will be maintaining is the Child Soldiers World Index. This interactive map shows countries' OPAC status, minimum enlistment ages, and reports of children used in hostilities. Check it out here: <https://childsoldiersworldindex.org/opac-status>



RUSI(NS) Information Note "Defence Project 'Quad Charts'" <https://rusi-ns.ca/defence-project-quad-charts/> Summaries of major CAN🇨🇦 defence projects, each usually one page, updated frequently

Project Name	Status	Other Details
Project 1	Active	...
Project 2	Completed	...
Project 3	On Hold	...
Project 4	Cancelled	...

ChildSoldiers.org
 @ChildSoldiers 5 Jun
 tweeted: Today the Dallaire
 Initiative will officially take
 over @ChildSoldiersIn's int'l
 programs as they prepare to
 close their doors on June 7th.
 We are honoured to carry
 forward these projects, and
 we thank CSI for what
 they've done as champions
 for children. See full press
 release:
[pic.twitter.com/cPt2OKIF8l](https://www.childsoldiers.org/)
 RUSI(NS) retweeted: Fully
 confident The Roméo
 Dallaire Child Soldiers
 Initiative #Halifax will carry
 forward this worthwhile
 work
[https://www.childsoldiers.or](https://www.childsoldiers.org/)
[g/](https://www.childsoldiers.org/)
 #ChildSoldiers
 #ChildrenNotSoldiers



The Dallaire Initiative takes over valuable Child Soldiers International programs

HALIFAX, Nova Scotia, June 5, 2019/CNW/ - The Roméo Dallaire Child Soldiers Initiative (Dallaire Initiative) and Child Soldiers International (CSI) announced today that the Dallaire Initiative is taking over the international programs from CSI, which is officially closing its operations on June 7, 2019. The Dallaire Initiative is honoured to carry forward CSI's valuable contributions to the cause, and CSI is confident and proud to hand over its work to them.

Dr. Shelly Whitman, Executive Director of the Dallaire Initiative, said: "We place immense value on the work CSI has undertaken as the founders of the global movement to prevent the recruitment and use of child soldiers, as well as the relationships and collaboration we have enjoyed over the years. Although we are sad to lose them as collaborators and colleagues, we wanted to ensure that the important work started by CSI lives on through the handover of key existing programs and resources. CSI's legacy and work, particularly on global advocacy and community-based prevention and reintegration, will continue to advance the body of knowledge pertaining to understanding and preventing the recruitment and use of children as soldiers. We are also confident that it will better inform our activities, optimize our impact globally and ensure the world understands the need to continue to put resources towards ending this tragedy."

Isabelle Guitard, Director of Child Soldiers International, said: "We are thrilled that our global work to prevent the military recruitment and use of children will be taken forward by the Dallaire Initiative. Like us, they believe that prevention is better than cure. They are renowned and respected advocates of children's rights in conflict, with whom we have worked closely for years in our mutual efforts to prevent the involvement of children in armed conflict. We know that our work and legacy will continue through their hard-working and passionate team."

The Dallaire Initiative is taking over the DRC and South Sudan community led prevention and reintegration programs. Both programs compliment the already existing programs the Dallaire Initiative is conducting in South Sudan and the DRC. In addition, the Dallaire Initiative will host and continue the Child Soldiers World Index, and its global research, policy and advocacy work. The World Index is an important resource for child protection actors and the Dallaire Initiative is eager to not only take it on, but combine it with their exciting new Knowledge for Prevention research that aims to create a better global estimate on the numbers of children recruited and used as soldiers. A statistically informed global estimate, combined with the World Index platform, has the power to demonstrate progress on the issue as well as to continue to galvanize support to continue the fight to improve efforts to end this crime against humanity.

57 His Majesty's Canadian Ships & 8 small vessel flotillas participated in Operation OVERLORD ("D-day")
<http://www.forces.gc.ca/en/news/article.page?doc=canadian-participation-on-d-day-and-in-the-battle-of-normandy/hnocfnod>
 They & later ships of same name carry "NORMANDY" on honours ("battle") board #DDay75
 (Canadian Participation on D-Day and In The Battle of Normandy)



Posted on Facebook Royal United Services Institute NS with comments:

Underwater Warfare Suite Upgrade

<https://www.facebook.com/Royal-United-Services-Institute-NS-618819224873298/>



RCN awards underwater suite upgrade contracts

<https://www.janes.com/.../rcn-awards-underwater-suite-upgrade...>

"With the (low-frequency active sonar) transmitter and receiver combined in line in a single towed array, the requirement for a second independent tow for the transmitter is eliminated, so allowing the single reelable array to be installed on the Halifax-class ships with only minimal modification."

Having a low-frequency active sonar transmitter and receiver combined in each ship's 'tail' will make the Royal Canadian Navy's Halifax-class frigates potent anti-submarine warships. The ships may be busy these days doing drug interdiction off Africa and alliance diplomacy in the Mediterranean but ultimately they need to be ready for major conflict. Anti-submarine operations, theatre and local/convoy, were a forte of the RCN in years past, and is a reasonable fit for the Navy now and in the future as Canada's contribution to alliances and coalitions. Great to read of the low-frequency active sonar capability moving from research and development to fleet deployment.

The U.S. Navy Quietly Tested Mach 3 Heavy Gun Shells That Could Revolutionize Surface Warfare

<https://www.popularmechanics.com/military/weapons/a25804867/us-navy-hvp-heavy-gun-shells-rimpac/>



"A guided projectile, HVP can drop high explosives on enemies on the ground up to three times as far as conventional ship gun ammo with a high rate of precision."

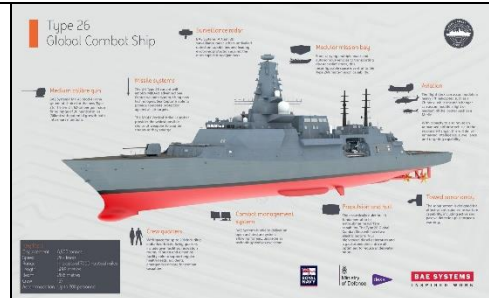
The ability to fire a hyper velocity projectile HVP from a 5" naval gun will add considerable potency to warships mounting that size gun. The Royal Navy Type 26 frigate, upon which design the Canadian Surface Combatant (CSC) will be based, will carry the 5" 62-calibre Mark 45 naval gun system, in use with several NATO navies. Assuming the CSC carries the same gun, and as it is understood the requirements for the ship specifies a large gun there is no reason to assume otherwise, that means the CSC will be capable of firing HVP. The CSC will thereby have a good land-attack capability besides an effective gun for anti-surface ship and air defence. Indeed, having such a gun blurs the line between the CSC being typed as a frigate and as a destroyer.

The 5" gun of the Iroquois-class destroyers was not great for anti-air, according to one ship's commanding officer, much due to its ammunition (slow rate of fire was another factor). (Of course, the Iroquois-class had a surface-to-air missile system to make up for that.) Ammunition has to be considered as part of a warship system. If naval staff can include HVP with the CSC's gun, either as part

of the project to acquire the ships or thereafter once the HVP has been proven, then Canada and the Royal Canadian Navy will have procured an even more capable warship.

For more on warship guns, see "Analysis : Importance of Naval Guns on a Modern Warship" (<https://defencyclopedia.com/2016/05/02/analysis-importance-of-naval-guns-on-a-modern-warship/>).

Type 26 Global Combat Ship



A recent tweet (<https://twitter.com/pinstripedline/status/1135235665170505729>) noted an interesting article about whether the United Kingdom's Type 26 frigate could be pitched to the US Navy as a credible contender for its next guided missile frigate [FFG(X)] project. The tweet also saw, as has RUSI(NS) remarked before, the potential to create a true '5-Eyes frigate' group of ships for decades to come.

Is The U.S. Navy Missing The Boat By Not Including The Type 26 In Its Frigate Competition? <https://www.thedrive.com/the-war-zone/28291/is-the-u-s-navy-missing-the-boat-by-not-including-the-type-26-in-its-frigate-competition>

That article is linked to:

Everything You Need To Know About The Royal Navy's New Type 26 Frigates

<https://www.thedrive.com/the-war-zone/12709/everything-you-need-to-know-about-the-royal-navys-new-type-26-frigates>

The article includes a good graphic, though it does not list the number of missile silos nor the ship's power - an important ability for operating directed energy weapons in the future.

Looking forward to descriptive articles and graphics like these about the Canadian Surface Combatant.

China Radio International Recommits to Africa

<https://www.radioworld.com/news-and-business/china-radio-international-recommits-to-africa>



Mali shortwave relay site back on the air with CRI

<https://swling.com/blog/2019/06/mali-shortwave-relay-site-back-on-the-air-with-cri/>

Another form of practising information operations (information warfare) Build/rebuild the infrastructure that controls the flow of information, in this case shortwave radio in Africa by the Chinese. Hold on, not so novel an idea - there's Huawei...

Can the IC police foreign disinformation on social media?

<https://fcw.com/articles/2019/05/28/warner-intel-misinformation-center.aspx>



And an editorial (<https://toinformistoinfluence.com/2019/05/31/proposed-social-media-data-analysis-center-lacks-common-sense/>) on the above article about a US bill to establish a Social Media Data Analysis Center, interesting for its potential lessons/insights:

- The language (of the bill provision) does not include experts on propaganda, disinformation, or fake news.
- The language does not include foreign information warfare experts.
- The language does not include ways and means to identify and remove enabling domains, such as Russia-Insider.com.
- The language does not include ways and means to identify and deal with Agents of Foreign Influence.
- The language does not include ways and means to identify and deal with adversarial online domains.
- The language does not include enabling a relationship with the national Strategic Communications community, to identify and counter new and developing players and techniques meant to influence elections and sow chaos and adversity in pre-existing social and cultural rifts?
- The language does not highlight a need to identify experts, both foreign and domestic, who already do this, to share lessons learned, tactics, techniques, and procedures.
- The language does not identify a need for studies to identify the best solutions to counter adversarial online attempts, not just on social media.
- We need to identify common sense cyber solutions, as well.
- This effort should be run by non-profit efforts, not big-profit corporations.

Taiwan, Japan, U.S. hold joint workshop on network security

<http://focustaiwan.tw/news/aipl/201905280016.aspx>



We have raised concerns in this forum before with regard to Canada missing opportunities to work with our allies on cyber-security with the last one being our failure to join the NATO-accredited Cooperative Cyber Defence Center of Excellence in Estonia. Canada is apparently continuing this trend and was absent from a US-Taiwan network security workshop run by their Global Cooperation Training Framework. The workshop covered cyber-security, new technology and the upcoming 5G rollout. Many Pacific nations attended including Japan, Australia, Chile and Mexico with additional participation from the EU. One has to suspect Canada's insistence on an overly rigorous application of the "one-China" policy was the cause for our failure to attend. Significantly all those nations attending have some form of "one-China" policy but are still able to exercise the needed flexibility.

Canada Needs Greater Ties with Taiwan as China Threats Loom, Say Experts

Canada's 'One-China' policy detrimental

<https://www.theepochtimes.com/canada-needs-greater-ties-with-taiwan-as-china-threats-loom-say->

[experts_2884280.html](#)

Rahul Vaidyanath, Epoch Times, 17 Apr 2019.

This report contains the necessary conclusion that Canada should work with Taiwan on cyber-security as that nation has a wealth of experience dealing with relentless Chinese cyber attacks. It underlines our past rigid application of our “one-China” policy continues to deny needed opportunities to protect ourselves. Included was mention that “a Global Affairs Canada official spoke of having received an email saying they not permitted to attend a Taiwan event at the Chateau Laurier.” So Canada has not chosen to learn directly from a front line state in the cyber battle as a result.

‘Crazy’ to let Huawei control Canada’s 5G network, Rogers Communications vice-chairman Philip Lind says, calling for ban

<https://www.scmp.com/news/china/article/3012525/crazy-let-huawei-control-canadas-5g-rogers-communications-vice-chairman>



On the 5G and Huawei controversy one rarely hears from the service providers. This is changing and the views are often opposed.

Normally when one hears from industry the argument is that a Huawei ban will inevitably raise consumer costs and that security concerns are overblown. However, Rogers’ vice- chairman supports a 5G ban for Huawei believing it will be controlled by the Chinese government. Unlike other communications providers, Rogers also expects no additional costs from such a ban because it has partnered with Ericsson for its 5 G work. Other providers, such as Telus, do use Huawei and oppose its banning, suggesting costs, not security, are the dominant consideration.

Telus says ban on Huawei over national security concerns could set back 5G network plan

<https://globalnews.ca/news/4961217/telus-huawei-national-security/>

By David Paddon the Canadian Press, 18 Feb. 2019

Earlier, Telus had specifically stated it did not see Huawei as a big security threat despite the quite opposite view of former Canadian security officials such as Richard Fadden, former National Security Advisor to the Prime Minister. The above article also makes clear Telus had enjoyed rising annual profits reaching \$3.7 billion for the fourth quarter of 2018 suggesting it is entirely capable of supporting the self-described “incremental” costs of a Huawei ban.

How 5G network builders are competing with Huawei in Asia

Network builders say sales are not just about cost.

<https://www.zdnet.com/article/how-5g-network-builders-are-competing-with-huawei-in-asia/> Andrew Silver, ZD Net, 3 June 2019.

This article sheds further doubt on the claimed inevitability or irreplaceable nature of Huawei. In Asia,

where one would expect to see Huawei dominate completely, it has only inked 40 sales for 5G, while Nokia has claimed 38 and Ericsson, 18. Later reports now have Nokia ahead:

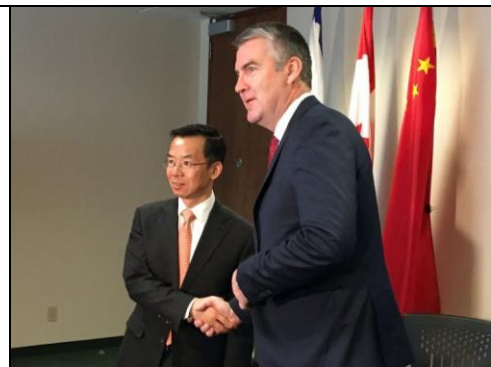
Nokia surpasses Huawei, Ericsson 5G contracts globally

<https://mobilesyrup.com/2019/06/04/nokia-surpasses-huawei-ericsson-5g-contracts-globally/>

[Shruti Shekar](#) , Mobile Syrup, 4 Jun 2019

Canada's allies do not include Nova Scotia June 2019

<https://nationalpost.com/news/politics/despite-freelands-pleas-nova-scotia-premier-declines-to-press-chinese-ambassador-on-canadian-detainees>



Canadian-Chinese relations have continued to deteriorate since the Meng Wanzhou extradition arrest. Canadian Canola shipments are restricted and the same may be occurring with our pork exports to China. A Canadian drug trafficker has had his sentence increased to the ultimate penalty. Most importantly, Mr. Kovrig and Mr. Spavor remain in Chinese detention. Up to this point it is probably safe to say Canada was relying on the US to advance the latter's case as it negotiated the US-Chinese trade agreement. Now that that agreement is in peril, one suspects that Canada's possibly best chance of getting Kovrig and Spavor back has diminished dramatically. In fact, recent comments by the Prime Minister, Foreign Minister, and Defence Minister have taken a harsher tone with regard to China covering everything from Tiananmen Square to the Chinese imprisonment of the Uighurs. The Prime Minister also made clear that we were reaching out to our allies and Australia, Denmark, Estonia, France, Germany, Latvia, Lithuania, the Netherlands, Spain, the United Kingdom, the United States, the EU, the G7 and NATO have given us support. Barring a major escalation with China that could involve Canadian-applied sanctions, the expelling of Chinese diplomats and spies, and taking our trade concerns to the World Trade Organization, this international outreach to our allies has probably been our best option. That it is likely effective can be judged by China's outrage over our doing so. So now we come to the Nova Scotian response.

Despite Freeland's pleas, N.S. premier declines to press Chinese ambassador on Canadian detainees

Liberal Premier Stephen McNeil did not raise the consular cases at a meeting with Chinese ambassador Lu Shaye in Halifax on Wednesday

<https://nationalpost.com/news/politics/despite-freelands-pleas-nova-scotia-premier-declines-to-press-chinese-ambassador-on-canadian-detainees>

Marie-Danielle Smith, National Post, 29 May 2019

Despite a most direct request from the Foreign Minister's office, Premier McNeil declined to raise the issue of our kidnapped citizens during the Chinese ambassador's visit to Halifax. In fact, the Chinese Ambassador indicated that McNeil is a "great friend," and Nova Scotia is at the forefront of co-operation between China and Canadian provinces. Praise from this diplo-thug is no honour and by

prioritizing economic interests over human rights Nova Scotia is precisely following China's increasingly successful script.

Cheap drones are changing the calculus of war in Yemen

<https://www.pri.org/stories/2019-06-03/cheap-drones-are-changing-calculus-war-yemen>



“Drones have proved their worth now.” “In the future, it will be challenging to limit the proliferation of drones and their misuse by states and non-state actors in ways that violate international law.”

Drones are a cheap and easy way to obtain an air force, albeit simple, for a group that might not otherwise be able to do so.

Canadian forces deployed to other countries, no matter how seemingly underdeveloped, must be prepared to operate in an environment where the other side(s) has aerial capabilities.

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.

Afghanistan memorial at new defence headquarters to open to public Friday

<https://lethbridgenewsnow.com/2019/05/30/afghanistan-memorial-at-new-defence-headquarters-to-open-to-public-friday/>



Dispatches from Juno: How CP's war correspondents told the story of D-Day

<https://nationalpost.com/pmnn/news-pmnn/canada-news-pmnn/dispatches-from-juno-how-cps-war-correspondents-told-the-story-of-d-day>



Canadian soldiers played important role in D-Day invasion 75 years ago

<https://www.wellingtonadvertiser.com/canadian-soldiers-played-important-role-in-d-day-invasion-75-years-ago/>



Typhoon hits Ottawa

<https://www.janes.com/article/88919/typhoon-hits-ottawa-cs19d2>



Federal military procurement program could result in more french fry plants instead of high-tech defence jobs

<https://nationalpost.com/news/politics/federal-military-procurement-program-could-result-in-more-french-fry-plants-instead-of-high-tech-defence-jobs>



Testing the waters: China's maritime militia challenges foreign forces at sea

https://www.defensenews.com/global/asia-pacific/2019/05/31/testing-the-waters-chinas-maritime-militia-challenges-foreign-forces-at-sea/?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%2005.31.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



Singapore, China deepen defence ties, plan larger military exercises including joint navy drill

https://www.scmp.com/week-asia/geopolitics/article/3012341/singapore-china-deepen-defence-ties-plan-larger-military?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%2005.31.19&utm_term=Editorial%20-%20Early%20Bird%20Brief





Focus

MONTHLY UPDATE FROM
THE ROYAL UNITED SERVICES INSTITUTE



<https://mailchi.mp/rusi.org/may-2019-newsletter?e=a539211a30>

Canada's Northwest Passage claim isn't settled — but it's not 'illegitimate,' like the U.S. says it is

<https://globalnews.ca/news/5256532/northwest-passage-canada-us-claim-challenge/>



Why Canadians ought to be concerned about Hong Kong's imperilled freedoms: Straight Talk with Martin Lee

https://www.macdonaldlaurier.ca/canadians-concerned-hong-kongs-imperilled-freedoms-straight-talk-martin-lee/?mc_cid=f6f1f82eb3&mc_eid=a8426c0175



Why Embracing Taiwan Makes Sense for Canada: New MLI Commentary

https://www.macdonaldlaurier.ca/embracing-taiwan-makes-sense-canada-new-ml-commentary/?mc_cid=f6f1f82eb3&mc_eid=a8426c0175



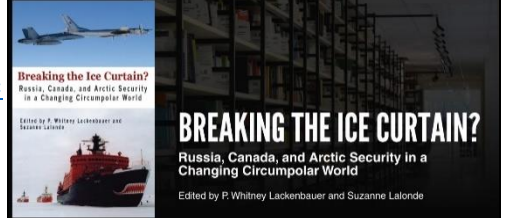
The China-U.S. trade war presents an existential crisis for the G20 nations: J. Berkshire Miller in the Globe and Mail

https://www.macdonaldlaurier.ca/china-u-s-trade-war-presents-existential-crisis-g20-nations-j-berkshire-miller/?mc_cid=f6f1f82eb3&mc_eid=a8426c0175



Breaking the Ice Curtain?

https://www.cgai.ca/breaking_the_ice_curtain?utm_campaign=book_breakingicecurtain&utm_medium=email&utm_source=cdfai



Naval Task Groups Are Proliferating in the Indo-Pacific

https://www.defenseone.com/ideas/2019/05/naval-task-groups-are-proliferating-indo-pacific/157387/?oref=defenseone_today_nl



Key US lawmakers want to give Ukraine anti-ship and anti-aircraft missiles to counter Russia

https://www.defensenews.com/global/europe/2019/05/31/key-us-lawmakers-want-to-give-ukraine-anti-ship-and-anti-aircraft-missiles-to-counter-russia/?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%2006.03.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



Singapore PM: Global rules could change with China's rise

https://www.navytimes.com/news/your-navy/2019/05/31/singapore-pm-global-rules-could-change-with-chinas-rise/?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%2006.03.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



A soldier's path: how a unique interactive map is bringing D-Day back to life

<https://www.cbc.ca/news/SOMNIA-1.5158462>



Risk of Nuclear Weapons Use Still Lower Than During Cold War

<https://rusi.org/commentary/risk-nuclear-weapons-use-still-lower-during-cold-war>



Canadian Navy – Naval Enhanced Combat Uniform Update

<http://soldiersystems.net/2019/06/03/canadian-navy-naval-enhanced-combat-uniform-update/>



Canada will help enforce UN sanctions against North Korea: Sajjan

<https://www.msn.com/en-ca/news/politics/canada-will-help-enforce-un-sanctions-against-north-korea-sajjan/ar-AAckshx?ocid=se>



This Is Not a Great-Power Competition

https://www.foreignaffairs.com/articles/2019-05-29/not-great-power-competition?utm_source=WhatCountsEmail



North Korea's Nuclear Bomb Is Much Bigger than Previously Thought

https://www.defenseone.com/technology/2019/06/north-koreas-nuclear-bomb-much-bigger-previously-thought/157469/?oref=defense_one_breaking_nl



What war with Iran could look like

https://www.militarytimes.com/news/2019/06/04/what-war-with-iran-could-look-like/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2006.04.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



Chinese warships cause surprise in Sydney Harbour

https://www.afp.com/en/news/3954/chinese-warships-cause-surprise-sydney-harbour-doc-1h68zy2?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2006.04.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



Chinese defense minister strikes defiant tone at Shangri-La Dialogue

https://www.defensenews.com/global/asia-pacific/2019/06/03/chinese-defense-minister-strikes-defiant-tone-at-shangri-la-dialogue/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2006.04.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



Floating Priests hammer Nazis - Canadian innovation on display during D-Day

<https://ottawacitizen.com/news/national/defence-watch/floating-priests-hammer-nazis-canadian-innovation-on-display-during-d-day>



'We were sworn to secrecy': Canadian women share stories of their efforts to help win WWII

<https://www.cbc.ca/news/somnia-1.5159789>



Defence Procurement – Is it Broken?

https://defence.frontline.online/article/2019/2/11713-Defence-Procurement-Is-it-Broken?utm_source=FrontLine+e-Newsletter&utm_campaign=71f8d479c3-EMAIL_CAMPAIGN_2019_06_05_02_46&utm_medium=email&utm_term=0_c695d3fd22-71f8d479c3-89113457



US-China Tech Cold War Puts Europe in the Middle

https://www.defenseone.com/ideas/2019/06/us-china-tech-cold-war-puts-europe-middle/157473/?oref=defenseone_today_nl



The Eastern Mediterranean Needs More US Warships

https://www.defenseone.com/ideas/2019/06/eastern-mediterranean-needs-more-us-warships/157440/?oref=defenseone_today_nl



Russian Su-35 Fighter Makes 'Irresponsible' Intercept of Navy P-8A Over Mediterranean





https://news.usni.org/2019/06/04/russian-su-35-fighter-makes-irresponsible-intercept-of-navy-p-8a-over-mediterranean?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%206-5&utm_term=Editorial%20-%20Early%20Bird%20Brief



30 Years After Tiananmen: How the West Still Gets China Wrong

https://foreignpolicy.com/2019/06/04/30-years-after-tiananmen-how-the-west-still-gets-china-wrong/?utm_source=PostUp&utm_medium=email&utm_campaign=13485&utm_term=Flashpoints%20OC



<p>The Real Origins of the U.S.-China Cold War</p> <p>https://foreignpolicy.com/2019/06/02/the-real-origins-of-the-u-s-china-cold-war-big-think-communism/?utm_source=PostUp&utm_medium=email&utm_campaign=13485&utm_term=Flashpoints%20OC</p>	
<p>Canadian navy plans to use Asterix supply ship even more next year – vessel to be at sea for 229 days</p> <p>https://ottawacitizen.com/news/national/defence-watch/canadian-navy-plans-to-use-asterix-supply-ship-even-more-next-year-vessel-to-be-at-sea-for-229-days</p>	
<p>Memories of the Longest Day still linger for these D-Day survivors</p> <p>https://www.militarytimes.com/2019/06/05/memories-of-the-longest-day-still-linger-for-these-d-day-survivors/?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%2006.06.19&utm_term=Editorial%20-%20Early%20Bird%20Brief</p>	
<p>Fuel constraints will limit PLA's 2nd carrier</p> <p>https://www.asiatimes.com/2019/06/article/fuel-constraints-will-limit-plas-2nd-carrier/</p>	

Other Sources:

#common operational plot

‘Going dark’ is a red flag – AIS tracking and sanctions compliance

<http://www.gard.no/web/updates/content/27716479/going-dark-is-a-red-flag-ais-tracking-and-sanctions-compliance>

The insurance industry has a major impact on where vessels sail (e.g., into conflict zones).

#defence planning

The cost of (AUS) defence: beyond 2% of GDP

<https://www.aspistrategist.org.au/the-cost-of-defence-beyond-2-of-gdp/>

#dress

Tabs and Badges and Berets, Oh My! The Big Distraction the Army's New Advisory Unit Really Didn't Need

<https://mwi.usma.edu/tabs-badges-berets-oh-big-distraction-armys-new-advisory-unit-really-didnt-need/>

Stumbled across this (oldish) article, noted it in the context of recent uniform changes in the CAF (not just the Army).

#information operations

Canadian political parties are prime targets for hackers - here's how to defend them

<https://www.macdonaldlaurier.ca/canadian-political-parties-prime-targets-hackers-heres-defend-marcus-kolga-hill-times/>

"...targeted individuals affiliated with international think tanks and non-governmental organizations..."

#intelligence

Can the IC police foreign disinformation on social media?

<https://fcw.com/articles/2019/05/28/warner-intel-misinformation-center.aspx>

And an editorial on the above article about a US bill to establish a Social Media Data Analysis Center, interesting for its potential lessons/insights: <https://toinformistoinfluence.com/2019/05/31/proposed-social-media-data-analysis-center-lacks-common-sense/>.

-The language (of the bill provision) does not include experts on propaganda, disinformation, or fake news.

-The language does not include foreign information warfare experts.

-The language does not include ways and means to identify and remove enabling domains, such as Russia-Insider.com.

-The language does not include ways and means to identify and deal with Agents of Foreign Influence.

-The language does not include ways and means to identify and deal with adversarial online domains.

-The language does not include enabling a relationship with the national Strategic Communications community, to identify and counter new and developing players and techniques meant to influence elections and sow chaos and adversity in pre-existing social and cultural rifts?

-The language does not highlight a need to identify experts, both foreign and domestic, who already do this, to share lessons learned, tactics, techniques, and procedures.

-The language does not identify a need for studies to identify the best solutions to counter adversarial online attempts, not just on social media.

-We need to identify common sense cyber solutions, as well.

-This effort should be run by non-profit efforts, not big-profit corporations.

The Spycraft Revolution

<https://foreignpolicy.com/2019/04/27/the-spycraft-revolution-espionage-technology/>

#logistics

National support now – how Defence might prepare the national support base for a future war – Part Two

<https://logisticsinwar.com/2019/06/01/national-support-now-how-defence-might-prepare-the-national-support-base-for-a-future-war-part-two/>

Over the Shore Logistics of D Day and Beyond

<https://www.thinkdefence.co.uk/shore-logistics-d-day-beyond/>

Some capabilities in this study that could be of use today, especially in HADR scenarios.

#media operations

Reducing Press Attention to Reduce Terrorism?

<https://politicalviolenceataglance.org/2019/05/01/reducing-press-attention-to-reduce-terrorism/>

#military justice

Military justice bill heading to Senate for final vote

<https://ipolitics.ca/2019/05/29/military-justice-bill-heading-to-senate-for-final-vote/>

#OpLENTUS

How the Canadian Armed Forces Protect Canadians from Flooding

<http://natoassociation.ca/how-the-canadian-armed-forces-protect-canadians-from-flooding/>

#Royal Canadian Navy

Your Navy Today - May 2019

<http://www.navy-marine.forces.gc.ca/en/news-ynt/2019/05-your-navy-today.page>

#terrorism

End of the Lone Wolf: The Typology that Should Not Have Been

<https://www.tandfonline.com/doi/full/10.1080/1057610X.2017.1419554>

#urban ops

Every City is Different. That's Why a One-Size-Fits-All Approach to Urban Operations Won't Work

<https://mwi.usma.edu/every-city-different-thats-one-size-fits-approach-urban-operations-wont-work/>

#war

War Studies Primer

<http://www.warstudiesprimer.org/>

"Visit the War Studies Primer for an introductory course on the study of war. Look at slides 2 and 3 in the War Studies Primer for its Table of Contents, and then choose a lecture to read and enjoy."


#weapons

The Interagency Challenges of Hypersonic Strike Weapons

<http://thesimonscenter.org/featured-article-the-ia-challenges-of-hsw/>

Other:

A letter (https://pbo-dpb.gc.ca/web/default/files/Documents/Info%20Requests/2019/IR0422_2019_05_28_DND_CSC_data_EN.pdf) from the DM DND to PBO used the term '**placemat**.' A query to Material Group revealed that placemats are internal documents about projects, often large, with a lot of information and graphs. Placemats are like quad charts but with more info. Quad charts are public (see example <https://www.canada.ca/content/dam/dnd-mdn/documents/quad-charts/csc-quad-chart-en.pdf>) and usually accessible from the project internet site.



DATE: 2019-04-01

PROJECT TITLE: Canadian Surface Combatant (CSC)

PROJECT OBJECTIVE: To recapitalize the Royal Canadian Navy's surface combatant fleet by replacing and updating the capabilities found in both the recently retired Iroquois-class destroyers and the multi-role Halifax-class frigates and provide the necessary ammunition, training, support and infrastructure. The new Canadian Surface Combatant (CSC) will ensure that Canada can continue to monitor and defend its waters and make significant contributions to international naval operations.

PROJECT PHASE: Definition

PROCUREMENT STRATEGY: As part of the National Shipbuilding Strategy, the combat vessel work package includes the Canadian Surface Combatant ships. The refined procurement strategy was announced in June 2016, which is to competitively select an existing warship design and design team to design the Canadian warships.

ACHIEVEMENTS:

<ul style="list-style-type: none"> November 18, 2015: List of companies selected under the pre-qualification process for the Canadian Surface Combatant released. January 2016: The Independent Review Panel Defence Acquisitions was briefed on the results of the Initial Reconciliation of Requirements, a cost to capabilities trade-offs assessment to find the right balance for the Navy. June 2016: A refined procurement strategy was announced. August 30, 2016: Re-qualification period closed, yielded the same list of pre-qualified companies. October 27, 2016: Canadian Surface Combatant Request for Proposal released. June 7, 2017: Canada's new Defence Policy, Strong, Secure, Engaged, was released, citing the procurement of 15 Canadian Surface Combatants with an updated overall project budget. 	<ul style="list-style-type: none"> November 30, 2017: Canadian Surface Combatant Request for Proposal closed and bids received. December 4, 2017: Bid Evaluation process commenced. October 19, 2018: The preferred bidder was identified and the due diligence process commenced. February 7, 2019: Definition Contract was awarded.
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INDUSTRY ENGAGEMENT ACTIVITIES:

From 2013 to 2016, a series of industry engagements were held covering a wide range of topics from soliciting industry input on Canada's proposed requirements and procurement strategy to presenting the overall economic leveraging strategy. The pre-qualified bidders were briefed on the technical requirements and the Request for Proposal document.

In 2017, Canada and Irving Shipbuilding Inc. responded to approximately 750 inquiries related to the Request for Proposal, which closed on 30 November, 2017.

The design process will see continued engagement between Canada and the contracted industry partners through the structure of the Integrated Product Teams (IPT).

SOCIO-ECONOMIC BENEFITS:

The Industrial and Technological Benefits Policy is being applied to this procurement. For the Definition contract, both the prime contractor, Irving Shipbuilding Inc. (ISI), and the subcontractor (Lockheed Martin Canada - LMC) are required to provide benefits to Canada equal to their scope of work.

LMC has Value Proposition commitments to support Canadian design, engineering and integration work to provide opportunities for Canadian systems and equipment to be included in the CSC design, and promote investments in priority areas.

In addition, the National Shipbuilding Strategy Value Proposition, which focuses on priority areas of human resources, technology, and industrial development, and is 0.5% of the value of the contract, is being applied to ISI.

POINTS TO NOTE:

Significant engagement with the applicable governance committees continues to occur. Every effort is being applied to reduce schedule risk going forward without sacrificing the integrity of the design process.

ISSUE/RISK ASSESSMENT:

Area	Previous	Current	Issue/Risk Summary
Scope	Green	Green	Schedule: Now in Prime Definition Contract and Subcontract, Canada and ISI are working to refine the definition schedule. An update to the schedule risk will follow.
Schedule vs Re-baseline	Yellow	Yellow	
Budget (Definition)	Green	Green	
Budget (Implementation)	Green	Green	
Human Resources	Green	Green	
Procurement	Green	Green	

KEY MILESTONES:

Project Milestone	Approved	Re-baseline/Actual	Notes/Comments
Project Approval (Definition Phase 1)	2012-06-19	2012-06-19	
Revised Project Approval (Definition Phase 1)	2014-11-30	2014-12-11	
Request for Proposal Release	2016-10-27	2016-10-27	
Revised Project Approval (Definition Phase 2 - Initial Design Review)	2017	2017-06-08	
Request for Proposal Close	Spring 2017	2017-11-30	
Selection of Warship Design and Design Team	N/A	2019-02-07	
Definition Contract Award	2017	2019-02-07	
Revised Project Approval (Definition Phase 2 - Design & Production Engineering)	Winter 2018	Spring 2019	
Project Approval (Implementation)	2019	Early 2020s	
Implementation Contract Award	2019	Early 2020s	
First Delivery	Mid 2020s	Mid 2020s	

FINANCIALS:

	VALUE (BY MILLIONS)
Acquisition (including Project Management Costs, Infrastructure, Contracts and Contingency)	\$ 56,000 to \$60,000
Major In-Service Support Contract (over 30 years)	
Estimated Life Expectancy (30 years)	

TIMELINE:

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Request for Proposal					▲	▲								
Request for Proposal Close						▲								
Contract Award							▲							
Project Approval (Implementation)								▲						
Contract Award									▲					
First Delivery										▲				

CF-18 Demo Team @CF18Demo 31 May tweeted: Happy #fighterfriday! We are so excited to share these incredible photos by Cpl Krystal Wilson. What a fantastic way to show our #tothestars theme! <photo> Cpl Krystal Wilson #WeAreNATO #kilroywashere #cf18demo #rcac #airpower #hornet #cf18 #military #militaryjet #fighterjet

