

Edited by Kim Richard Nossal

C I I (ND) Pro, Q I 'U I I I

A 🚨 2024

Librar and ArchiVes Canada Cataloguing in Publication

 T:: C (M', M) M' M M' M K R' M

 N
 : N
 , K
 R' M Q' U (K & , O .). C - I

 I
 M D P
 , ...
 M D P , ...

 S
 : M
 ; 48
 ...
 M = 1 M = 1 M = 1

 IN
 : C (M) 20240437020
 ISBN 9781553396642 (PDF)
 S
 :...
 LCSH: C (M) M = 1 ...
 LCSH: C (M) R = 1

 I M -P
 R = 1
 R = 1 C (M) R = 1 C (M) R = 1

 C
 ...
 LCSH: I (M) -P
 R = 1
 C (M) R = 1

 C
 ...
 LCC UA600 .C3446 2024
 DDC 355.00971 (M)23

	Kpvtqfwevkqp: Ecpcfcøu fghgpeg ejcmgpigu kp vjg Kpfq-RcekŁe / Kim Richard Nossal	v
1	Shifting weight and toning up: What Canada can contribute to the dcncpeg qh rqygt kp vjg Kpfq-RcekLe / Jeremy Paltiel	1
2	Tgvjkpmkpi Ecpcfkcp fghgpeg gpicigogpv kpvjg Kpfq-RcekŁe cpf dg{qpf / Stephen R. Nagy	5
3	Isn't that AUKUSward: Security options for Canada in a three-eyes y qtnf / Stephanie Carvin and Thomas Juneau	11
4	Staying committed for the long term: Ensuring Canada's naval rtgugpeg kp vjg Kpfq-RcekŁe tgikqp / Adam P. MacDonald	17
5	Weak, insecure, and unengaged: The Canadian Armed Forces in the Kpfq-RcekLe / James A. Boutilier	27
6	Ecpcfcøu oknkvct{ rgtuqppgn etkuku, vjg Kpfq-RcekŁe Uvtcvgi {, cpf vjg Fghgpeg Rqnke{ Wrfcvg: C tgłgevkqp / <i>Charlotte Duval-Lantoine</i>	33
7	Twng vjg ycxgu: Ecpcfcøu dnwgrtkpv hqt c tguwtigpv Kpfq-RcekŁe uvtcvgi { / Ross O'Connor	41
8	Ecpcfc, vjg Wpkvgf Uvcvgu, vjg Kpfq-RcekŁe, cpf vjg Ctevke: Vyq vjtgg-qegcp eqwpvtkgu / <i>Deanna Horton</i>	47
9	Ecpcfcøu fghgpeg ejcnngpigu kp vjg Kpfq-RcekŁe: C xkg y htqo Fqyp Wpfgt / John Blaxland	55
	Contributors	67

Contributors

. . . C

the Republic of Korea, and the countries of the Association of Southeast Asian Pcvkqpu (CUGCP).

But the Canadian strategy also saw a role for the Canadian Armed Forces (CAF) in efforts to contribute to the peace, resilience, and security objectives nckf qwv kp vjg KRU. Qh vjg \$2.3 dknnkqp fgxqvgf vq vjg uvtcvgi { qxgt Łxg {gctu (202262027), \$500 oknnkqp ycu fgxqvgf vq ujkhvu kp fghgpeg rqnke{ vq cnkip ykvj vjg qdlgevkxgu nckf qwv kp vjg Kpfq-RcekŁe uvtcvgi {. Kp vjg {gct hqmq ykpi vig tgngcug qh vig Kpfq-RcekŁe uvtcvgi {, vig iqxgtp o gpv ujkhvgf Ecpcfcøu pcxcn cuugvu vq vjg Kpfq-RcekŁe cpf kpetgcukpi vjg vg o rq qh Tq{cn Ecpcfkcp Pcx{ fgrnq { o gpvu kp vjg tgikqp. Kp Octej 2023, JOEU Montréal was deployed htqo kvu dcug kp J cnkhcz vq vjg RcekŁe tgikqp cnqpi ykvj vjg OX Asterix, the TEPøu pcxcn tgrngpkuj ogpv xguugn vjcv ku cnuq dcugf kp Jcnkhcz, vq Qrgtcvkqp RTQLGEVKQP, Ecpcfcøu pcxcn hqtyctf rtgugpeg okuukqp kp vjg Kpfq-RcekŁe tgikqp. JOEU Montréal cnuq ycu fgrnq{gf vq Qrgtcvkqp PGQP, Ecpcfcøu eqpvtkdwvkqp vq Wpkvgf Pcvkqpu ucpevkqpu ghhqtvu cickpuv Pqtvj Mqtgc.³ In June 2023, while in Singapore at the annual Shangri-La Dialogue, the minister of pcvkqpcn fghgpeg, Cpkvc Cpcpf, cppqwpegf vjcv vjg iqxgtp o gpv y qwnf ukipkŁе vig kр М

L, A.

These operational shifts in Canada's defence policy were not inconsequenvkcn. Dwv tgqtkgpvkpi Ecpcfcøu igquvtcvgike ic|g vq vjg RcekŁe Qegcp htq o kvu historical transatlantic focus has considerable implications for Canada's dehgpeg rqnke{ kp vjg {gctu cjgcf. Kh vjg Ecpcfkcp iqxgtp ogpv ykujgu vq rkxqv vq vjg Kpfq-RKKQE, Kh vjg Ecpcfkcp iqxgtp ogpv gkujgu vq rkxqv to spend much more on that defence enb3extREFF002030da- spend mucue5 consistently under-invested in defence policy, what shifts in policy would be possible when the demands for expanded investment arrive all at once?

It might be noted that these were questions that the government itself was tckukpi. Ujqtvn{ chvgt Twuukcøu hckngf ghhqtv vq gnk o kpcvg Wmtckpg cu c ugretcvg state began in February 2022, the Trudeau government announced that it was undertaking a review of *Strong, Secure, Engaged*, the 2017 defence policy, with an eye to laying out long-term goals for the Canadian military and long-vgt o urgpfkpi pggfu. Vjg Fghgpeg Rqnke{ Wr fcvg (FRW), cu kv y cu vjgp ecnngf, y cu kpkvkcm{ rtq o kugf hqt vjg hcm qh 2022. Dwv vjg FRW mgrv dgkpi fgnc{gf, uq that the IPS was announced in November 2022 without waiting for the defence tgxkg y vq dg eq o rngvgf.

When the IPS was released in 2022, the Centre for International and Defence Policy at Queen's University and the Canadian Defence and Security Network headquartered at Carleton University believed that it would be useful to provide an assessment of the defence policy requirements for Canada in vjg gogtikpi kpfq-RcekLe-egpvtgf inqdcn

К, ,..., с

nations that are facing strategic challenges to their vital national interests on all htqpvu. Ujg ctiwgu vjcv vjg Ctevke pggfu vq dg kpenwfgf cu c mg{ hcevqt kp Ecpcfcøu fghgpeg rqnke{ kp vjg Kpfq-RcekŁe. Ujg umgvejgu qwv vjg fgxgnqr o gpvu vjcv have led to the convergence of the threats and opportunities for both Canada cpf vjg Wpkvgf Uvcvgu kp vjgkt Ctevke cpf Kpfq-RcekŁe uvtcvg i kgu. Ecpcfc eqwnf achieve greater leverage in foreign policy, despite its few levers and limitgf tguqwtegu, d{ hwtvjgtkpi eqmcdqtcvkqp ykvj dqvj Kpfq-RcekŁe cpf Cvncpvke partners in the Arctic while enhancing cooperation with the United States on security and defence, and by buttressing existing alliances in both the Atlantic cpf vjg RcekŁe vq cejkgxg vjg i tgcvguv dgpgŁv. Cu ujg rwvu kv, õvjg Ctevke ku vjg Kpfq-RcekŁe.ö

Vjg Łpcn tgłgevkqp kp vjku eqnngevkqp y cu ikxgp cu c mg{pqvg cfftguu cv vjg workshop by an Australian with considerable experience in Canadian foreign cpf fghgpeg rqnke{. Lqjp Dnczncpf ku c rtqhguuqt qh kpvgtpcvkqpcn ugewtkv{ cv vjg Australian National University, and currently the ANU's Director of the North C ogtkec Nkckuqp QhŁeg. Cu vjg cwvjqt qh *Strategic Cousins*, a key work that seeks to compare Australian and Canadian approaches to defence, Blaxland gzc okpgu Ecpcfcøu fghgpeg ejcnngpigu kp vjg Kpfq-RcekŁe xkg ygf vjtqwij cp Cwuvtcnkcp ngpu.⁷ WDth the world facRhDheightened greaDpDwer cRutestaRon, seRuts to RSII⁷ ejcpigu kp Ecpcfkcp fghgpeg rqnke{. Yjkng kv cempqyngfigf vjcv inqden rqnkvkeu y cu cv c igpgtcvkqpen kpłgevkqp rqkpv, vjg pgy fghgpeg rqnke{ y cu kpgtvken cv dguv. Kv fkf pqv godtceg c tcfkeen kpetgcug kp fghgpeg urgpfkpi, qpn{ c oqfguv ujkhv kp fktgevkqp. Cpf tcvjgt vjcp eq o okv vq vjg ceswkukvkqp qh pgy equipment that would reshape Canadian military capabilities, the new policy rtq okugf qpn{ vjcv Ecpcfc yqwnf õgzrnqtg qrvkqpuö hqt pgy ces**vbatgkapapô**c e

Endnotes

- 1. Ecpcfc, *Canada's Indo-Pacifc Strategy* (Qwcyc, 2022), 14, <u>jwru://yyykpvgt-pcvkqpcn.ie.ec/vtcpurctgpe{-vtcpurctgpeg/kpfq-rcekŁe.kpfq-rcekŁswg/kpfgz.curz-?lang=eng</u>.
- 2. Kdkf., 3ó5.
- 3. Ecpcfc, Fgrctvogpv qh Pcvkqpcn Fghgpeg, õJku Oclguv{øu Ecpcfkcp Ujkr Montréal cpf Oqvqt Xguugn Asterix fgrctv vq vjg KpfqQRdekLe, ÿ v

!



Jeremy Paltiel

Introduction

Y jcv Ecpcfc ecp eqpvtkdwvg vq vjg dcncpeg qh rqygt kp vjg Kpfq-RcekŁe ku cp cewvg swguvkqp ikxgp Ecpcfcøu nci ictfn{ eqo okvogpv vq PCVQ cpf kvu igpgtcm{ vjtgcfdctg fghgpeg rqnke{. Vjgtg ctg vyq rtqdng ou ejcmgpikpi Ecpcfcøu eqpvtkdwvkqpu kp vjg Kpfq-RcekŁe: vjg Łtuv ku c nqydcm eqo okvogpv vq fghgpeg spending and readiness; the second is our traditional focus on the North Atlanvke. Vjg swguvkqp qh tgfgrnq{kpi tguqwtegu cv c vk og qh uvtkpigpe{ kp eqo okvogpvu ku fqwdn{ cewvg. Cu c tguwnv, c ukipkŁecpv eqpvtkdwvkqp vq vjg dcncpeg kp vjg yguvgtp RcekŁe ku cv dguv curktcvkqpcn cpf rquukdn{ oqtg qh cp kocikpcvkxg gzgtekug. Pqpgvjgnguu, ikxgp cv ngcuv tjgvqtkecn nkr-ugtxkeg vq ocmkpi c Ecpcfkcp fkhhgtgpeg qxgt vjg kpetgcukpin{ õfkutwrvkxgö tqng qh Ejkpc, kv ku yqtvj asking given Canada's traditional strengths and occasional excellence where it okijv dguv fgrnq{ kvu tguqwtegu ujqwnf vjgug dg ocfg cxckncdng.

It is unrealistic and wholly illusory to conceive of a wholesale and abrupt change in Canada's traditional defence strategy to transpose it to the Indo-PaekŁe gkvjgt yjqm{, qt kp c uwduvcpvkcn o cppgt. Y jcv *can* be done is to look at traditional strengths and existing commitments to see how those can be adaptgf vq dgwgt ugtxg ugewtkv{ kp vjg Kpfq-RcekŁe.

The Arctic connection

Vjg Łtuv cpf o quv qdxkqwu rnceg ku vq tg-vygcm qwt hqewu qp ugewtkv{ kp vjg Arctic to better meet the challenge of China's Arctic ambitions, and to reinhqteg PQTCF ykvj cp g{g qp vjg vtcpu-RcekŁe. Yg cntgcf{ ucy kp vjg Ejkpgug balloon incident in January and February 2023 a foretaste of what might be in qwt hwvwtg. Vq o ggv vjg ejcmgpigu qh ugewtkv{ kp vjg Pqtvj, Ecpcfc pggfu vq be able to patrol and defend its Arctic airspace as well as keep close surveil-

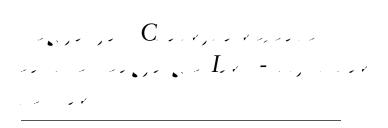
&QDGD

build centres of excellence with export potential within our defence production ecrcekv{. Kp ujqtv, cv c vk og qh jgki jvgpgf inqdcn eq o rgvkvkqp, yg o wuv dgeq og o wej oqtg eq o rgvkvkxg kp qwt fghgpeg rtqfwevkqp.

We should look beyond better interoperability and joint training with Japan cpf vjg Tgrwdnke qh Mqtgc. Yg ujqwnf pgiqvkcvg lqkpv rtqfwevkqp citggogpvu with both these countries, each of which has excess production capacity in ctgcu qh etkvkecn ujqtvcig.

Conclusion: A clear defence strateg

Vq fq vjku yg o wuv Łpf vjg rqnkvkecn eqwtcig vq ytkvg c fghgpeg eqwt tk+



Stephen R. Nagy

Introduction

In November 2022, the government of Justin Trudeau released its nqpi-cyckvgf Kpfq-RcekŁe uvtcvgi {, rtqokukpi vjcv Ecpcfc yqwnf urgpf \$2.3 dkmkqp qxgt vjg pgzv Łxg {gctu vq cnnqek o rng o gpv vjg uvtcvgi {. Vjcv cppqwpegment came just months after the minister of national defence, Anita Anand, jcf rtqokugf vjcv Ecpcfc yqwnf urgpf \$4.9 dkmkqp qp vjg oqfgtpk|cvkqp qh Pqtvj C ogtkecp ckt fghgpeg. Cv vjg uc og vkog, vjg Vtwfgcw iqxgtpogpv ycu cnuq eq o okvvkpi hwpfu vq Ecpcfkcp hqtgkip rqnke { qdlgevkxgu kp Gwtqrg. Kp Lwn { 2023, hqt gzc o rng, Vtwfgcw eq o okvvgf \$2.6 dkmkqp vq tgpgy cpf gzrcpf Qr-gtcvkqp TGCUUWTCPEG, rctv qh PCVQøu fghgpeg cpf fgvgttgpeg ogcuwtgu kp Gcuvgtp Gwtqrg. Kv cnuq uqwi jv vq cuukuv vjg iqxgtp ogpv qh Wmtckpg vq fghgpf against the full-scale Russian invasion that had begun in February 2022; by Ugrvg odgt 2023, Ecpcfc jcf cnnqecvgf \$9.5 dkmkqp kp ownvkhcegvgf cuukuvcpeg vq Wmtckpg.¹

At the same time that this spending was being announced, however, the Trudeau government was also announcing major spending cutbacks, includkpi kp vjg fghgpeg dwfigv.² These contradictory positions raise inconvenient questions as to how Canada in its defence policy will achieve the objectives qwvnkpgf kp vjg Ecpcfkcp Kpfq-RcekŁe uvtcvgi{ yjkng tguqwtegu ctg dgkpi fkokpkujgf vjtqwij ewvdcemu qt dgkpi fgrnq{gf kp Wmtckpg.

Questions as to what Canada should or must do in terms of defence policy vq oggv kvu qdlgevkxgu ugv qwv kp vjg kpfq-RcekŁe uvtcvgi { ctg kpetgcukpin{ cymyctf cu Kpfq-RcekŁe ugewtkv{ ejcmgpigu ctg dgeqokpi oqtg cewvg, pqv nguu. Oquv tgegpvn{, yg jcxg uggp Pqtvj Mqtgcøu rtqxqecvkqpu kpetgcug ykvj vguvkpi of hypersonic missiles and the provision of ballistic and other forms of arms vq Twuukc uq kv ecp eqpvkpwg kvu yct qp Mqtgcøu ggfbwuukguKpiukp x yg

kvu yct

vjqug kpxqnxkpi ug okeqpfwevqt uwrrn{ ejckpu. C pw odgt qh Ecpcfkcp kpfwutries, including automobile, defence, personal electronics, and many other technologies that Canada relies on are based on semiconductor supply chains nctign{ eqppgevgf vq Vck y cp. Ecpcfc ku cnuq fgrgpfgpv qp qvjgt uwrrn{ ejckpu hqt nq ygt-ngxgn gngevtqpkeu dwv cnuq rgtuqpcn rtqvgevkxg gswkr ogpv.

Third, Canada has a defence interest in ensuring that weapons of mass deuvtwevkqp ctg pqv fgxgnqrgf d{ cevqtu uwej cu Pqtvj Mqtgc. Cu R{qpi{cpi eqptinues to develop the delivery systems to launch a retaliatory attack against the United States, Canada and its defence policy should be clear-eyed that Pqtvj Mqtgcp kpvgteqpvkpgpvcn dcmkuvke okuukngu (KEDOu) yqwnf pggf vq vtcxgn vjtqwi j Ecpcfkcp urceg vq jkv vctigvu kp vjg Wpkvgf Uvcvgu. Vjku o cmgu Ecpcda vulnerable to misguided missiles, missiles that may crash over Canada, or missiles that may be intercepted by US missile defence systems revealing a rngvjqtc qh fktgev cpf kpfktgev xwnpgtcdknkvkgu vq Pqtvj Mqtgc okuukng u{uvg ou. Ecpcfkcp fghgpeg rqnke{ vqyctfu vjg Kpfq-RcekLe cnuq ecppqv fkxqteg kvugnh htq o vjg fghgpeg xwnpgtcdknkvkgu qh Ecpcfcøu htkgpfu kp vjg tgikqp. Lcrcp, Uqwvj Korea, and the United States are all on the front lines of North Korean missile systems and an attack or accident stemming from North Korean missile launches on any of these partners of Canada would impact Canada's security cpf geqpq o {.

Hqwtvj, Ecpcfc jcu c urgekŁe kpvgtguv kp rtgxgpvkpi knngicn, wptgiwncvgf, cpf wptgrqtvgf Łujkpi vjtqwijqwv vjg dtqcfgt tgikqp vq rtqoqvg c twngu-dcugf crrtqcej vq iqxgtpkpi Łujgtkgu cpf qvjgt tguqwtegu. Wptgiwncvgf cpf wptgrqtvgf knngicn Łujkpi cpf qvjgt cevkxkvkgu ecp etgcvg hqqf cpf geqpq o ke kpugewtkv{ cpf destabilize the natural equilibrium in nature that can impact the environment cpf xwnpgtcdng eq o o wpkvkgu.

Hkhvj, Ecpcfc jcu cp kpvgtguv kp gpuwtkpi vjcv vjg eqpłkev dgvyggp Kpfkc cpf Ejkpc qp vjg Jkocnc{cp rncvgcw tgockpu cu fkuvcpv c rquukdknkv{ cu

dacu

First, minilateral relationships should be pursued while not eschewing mulvknevgten tgnevkqpujkru. Vjtqwij c itgevgt gorjeuku qp okpknevgten eqqrgtevkqp, Ecpcfc fghgpeg kpkvkcvkxgu/ rqnkekgu eqwnf gpicig ykvjkp vjg tgikqp vjtqwij cp crrtącej vicy õrnwiu kpyqö gzkuvkpi o kpknevgten eqqrgtevkxg retypgtujkru qt pgy rctvpgtujkru vjcv ctg nkokvgf kp vjgkt ueqrg cpf hwpevkqp. Vjg gzkuvkpi Swcftklateral Security Dialogue may be a formula for cooperating on issues such as supply chains resilience, infrastructure and connectivity, disinformation, and monitoring the activities of weapon proliferators like North Korea through c õSwcf-rnwuö cttcpigogpv kp yjkej Ecpcfc rnwiu kpvq vjg Swcf cevkxkvkgu. Canada is already plugged into the Quad in joint exercises such as the Sea Dragon 2021 anti-submarine warfare exercises that took place around Guam in January 2021 (in which the Royal Canadian Air Force won the coveted Dragon Dgnv). Dwv Ecpcfc eqwnf wug kvu fghgpeg cuugvu, kvu ecrcdknkvkgu, cu ygnn cu kvu long-term relationship with the United States, Australia, and Japan, to expand the number of opportunities it has to insert high quality and highly trained kpfkxkfwcnu kpvq o kpkncvgtcn eqqrgtcvkqp.

Qvjgt gzkuvk } okpkncvgtcn rct 3/4 pgtuzk ^ atgojgv og šdg

kpi, gpgti { cpf rtqrwnukqp, cpf pgzv-igpgtcvkqp eq o owpkecvkqpu pgvyqtmu. Ukraine's innovative uses of drone technology to defend itself against Rusukcp ci i tguukqp jcxg cnuq dggp kpłwgpvkcn kp jqy PCVQ xkgyu vjg korqtvcpeg 10

·····

Conclusion: Geograph, tools, and partners

In short, Canada and its defence policies and institutions need to think about the geographic limits of its engagement, the tools of engagement, and partners qh gpicigogpv. Vjg igqitcrjke tcpig qh gpicigogpv ujqwnf dg nk okvgf: Ecpcfc should avoid using its limited resources in the western or even the eastern parts qh vjg vjg

L, A K \ldots

Stephanie Carvin and Thomas Juneau

Introduction

The arrangement between the United States, the United Kingdom, and Australia, popularly known as AUKUS, and which focused on helping Australia acquire nuclear submarines, took the world by surprise in September 2021. Htcpeg, y jkej nquv kvu eqpvtcev vq ugm uwd octkpgu vq Cwuvtcnkc ykvj vjg cppqwpeg ogpv qh vjg pg y rcev, y cu xgt{ xqecn kp gzrtguukpi kvu cpigt. Vjg Gwtqrgcp Wpkqp, y jkej cv vjcv vk og y cu rtgrctkpi vq tgngcug cp Kpfq-RcekŁe uvtcvgi {, citggf vjcv Htcpeg y cu qygf cp crqnqi { cpf gzrtguugf õtgitgvö vjcv vjg cttcpig ogpv y cu cppqwpegf ykvjqwv eqpuwnvcvkqpu.¹

Vjg cppqwpegogpv cnuq vqqm Ecpcfc d{ uwtrtkug, ykvj qhŁekcnu kp Qvvcyc

qh vjg hgctu kpkvkcm{ gzrtguugf cdqwv CWMWU ygtg okuvcmgp qt gzciigtcvgf.⁴ AUKUS should be understood as a defence information and technology sharkpi citgg ogpv, pqv c tgrnceg ogpv hqt vjg Hkxg G{gu. Oqtgqxgt, Ecpcfcøu cdugpeg htq o CWMWU cu qtkikpcm{ eqpegkxgf (CWMWU 1.0, cu tghgttgf vq d{ qpg qh qwt kpvgtxkg yggu, cpf pq y kpetgcukpin{ tghgttgf vq kp rwdnke cu vjg Łtuv rknlar) is not a problem: while Canada may need to renew its aging submarines, it ku wpnkmgn{ vq ceswktg pwengct uwd o ctkpgu kp vjg hqtguggcdng hwvwtg.

Jqygxgt, cu vjg rcev gxqnxgu cpf o cvwtgu kpvq yjcv yg ecm CWMWU 2.0 (or the second pillar) and broadens its remit to cooperation on emerging and disruptive defence technologies, Canada's absence from AUKUS' working itqwru tkumu ko rqukpi ugtkqwu equvu. Vjku yqwnf dg eqpukuvgpv ykvj c yqtt{kpi vtgpf hqt Ecpcfkcp hqtgkip, fghgpeg, cpf ugewtkv{ rqnke{. Y jkng vjg cmkcpegu qh vjg ncuv vjktv{ {gctu jcxg qhvgp hgcvwtgf õeqcnkvkqpu qh vjg ykmkpiö rtg okugf qp shared values, for the foreseeable future multilateral cooperation will be more fgrgpfgpv qp vjg cdknkv{ vq eqpvtkdwvg o cvgtkcm{. Y jkng Ecpcfc jcu owej vq qhhgt, kvu rqqt tgeqtf qh vanced cyber, hypersonic and counter-hypersonic capabilities, electronic warhctg, kppqxcvkqp cpf kphqt o cvkqp ujctkpi. K o rqtvcpvn{, qpg qh qwt kpvgtxkg y ggu pqvgf vjcv õkphqt o cvkqp ujctkpiö kp vjku eqpvgzv fkf pqv pgeguuctkn{ tghgt vq kpvgnnk igpeg, dwv oqtg dtqcfn{ vq encuukŁgf kphqt o cvkqp tgncvgf vq vjg fgukip, capabilities, and manufacturing of emerging technologies and means to countgt vjgkt wug d{ cfxgtuctkgu. Hwtvjgt, CWMWU og odgtu jqrg vjcv vjku ugeqpf rknnct yknn ngcf vq equv ucxkpiu vjtqwij itgcvgt dwtfgp-ujctkpi. Vjg{ cnuq jqrg that they will be able to set technological standards when it comes to the develqr o gpv qh hwvwtg vgejpqnqikgu, ngcfkpi vq c eq o rgvkvkxg cfxcpvcig.⁷

Canada is unlikely to purchase nuclear submarines for the foreseeable fuwwtg. Hqt vjcv tgcuqp, kvu cdugpeg htqo CWMWU 1.0 fqgu pqv tgrtgugpv c rtqdngo; vjg kpkvken jcpfytkpikpi ycu okurncegf. Jqygxgt, cu vjg cttcpigogpv appears to be moving rapidly towards other areas of cooperation in AUKUS 2.0, Ecpcfkcp qhŁekcnu jcxg dggp vcmkpi pqvg.⁸

Vjg ejcmgpig hqt Ecpcfc fqgu pqv uvg o htq o kvu Ecpcfc

Qwt kpvgtxkgyu uwi i guv vjcv, kp vjgqt{, cp kpxkvcvkqp vq lqkp CWMWU eqwnf be forthcoming, in the sense that the United States and the two others are not tkikfn{ qrrqugf, cu c o cvvgt qh rtkpekrng, vq rctvkekrcvkqp d{ Ecpcfc ô qt qvjgtu, uwej cu Lcrcp, Uqwvj Mqtgc, qt rgtjcru uq og Gwtqrgcp eqwpvtkgu. Dwv vjg mg{ ecxgcv jgtg ku vjcv uwej cp kpxkvcvkqp yqwnf dg eqpfkvkqpcn qp Ecpcfc õdtkpikpi uq ogvjkpi vq vjg vcdngö ô c rtqurgev qp yjkej qwt kpvgtxkg yggu, kpenwfkpi uq og Ecpcfkcpu, gzrtguugf umgrvkeku o, fgrgpfkpi qp vjg urgekŁe kuuwg.

The United States has sent mixed signals as to whether Canada could be inxkvgf. Kp Lwpg 2023, W.U. Pcvkqpcn Ugewtkv{ Eqwpekn urqmgurgtuqp Lqjp Mktd{ uvcvgf vjcv vjgtg ygtg pq rncpu vq kpxkvg Ecpcfc vq lqkp CWMWU.¹² Jqygxgt, kp CWMWU 2.0 yqtmkpi itqwru, vjqug vq yjkej kv jcu vjg oquv vq eqpvtkdwvg. There is much to criticize in Canada's underinvestment in defence, security, and intelligence capabilities over the decades; it is nevertheless the case that Canada has several niche capabilities that are well regarded by its closest alnkgu cpf rctvpgtu. Qwt kpvgtxkgyggu uwi iguvgf vjcv coqpi vjg rqvgpvkcn pkejg eqpvtkdwvkqpu vjcv Ecpcfc eqwnf dtkpi vq vjg CWMWU 2.0 vcdng ctg vjg Eqomunications Security Establishment, the national cryptologic agency, which is widely viewed as among the best in the world; its knowledge of the Arctic, on y jkej enqug cmkgu jcxg nkvvng qt pq xkukdknkv{; cu ygnn cu urgekŁe cuugvu (uwej cu uq og gng ogpvu qh kvu igqurcvkcn kpvgnnkigpeg ecrcdknkvkgu). Vjku cuuguu ogpv should form the core of Canada's strategy to identify its potential contribution vq CWMWU 2.0.

Endnotes

- 1. Co { Tg o gkmku, õCwmwu tq y: GW qhŁekcnu fg o cpf crqnq i { htq o Cwuvtenkc qxgt Htcpegøu vtgcv o gpv dghqtg vtc fg vcnmu, ö *The Guardian*, September 21, 2021, jvvru://y y y.vjgiwctfkcp.eq o/cwuvtenkc-pg yu/2021/ugr/21/cwmwu-tq y-gwtqrgcp- union-demands-apology-from-australia-over-frances-treatment-before-trade-talks.
- 2. Vjku dtkgh ku dcugf qp vyq ugvu qh kpvgtxkgyu vjcv yg eqpfwevgf kp 201862019 (approximately 70 interviews, including ten non-Canadians, on intelligence-polie{ f{pc okeu kp Ecpcfc} cpf 202262023 (10 kpvgtxkgyu, hqewugf qp CWMWU).
- 3. Fcxkf Tggxgn{, õEcpcfcøu kuqncvkqp htq o cmkgu rwvu vgej fgxgnqr o gpv cv tkum: FPF,ö *The Logic*, January 11, 2024, <u>jvvru://vjgnqike.eq/pgyu/ecpcfcu-kuqncvkqp-from-allies-puts-tech-development-at-risk-dnd</u>.
- 4. Vjku dtkgh ku rctvkcm{ dcugf qp qwt rtgxkqwun{ rwdnkujgf tgugctej: Uvgrjcpkg Ectxkp cpf Vjqocu Lwpgcw, õYj{ CWMWU cpf pqv ECWMWUA Kvøu c rqvnwem, pqv c rctv{,ö International Journal 78, pq. 3 (2023): 359674, jwru://fqk. qti/10.1177/00207020231195109.
- 5. Ocneqn o Fcxku, öDqquvkpi urceg ecrcdknkvkgu vjtqwij CWMWU,ö *The ASPI Strategist*, Qevqdgt 6, 2021: jvvru://y y y.curkuvtcvgikuv.qti.cw/dqquvkpi-urceg-ecrcdknkvkgu-vjtqwij-cwmwu/.
- 6. Wpkvgf Uvcvgu, Y jkvg J qwug, öHCEV U J GGV: Korngogpvcvkqp qh vjg Cwuvtc-nkc ó Wpkvgf Mkpifqo ó Wpkvgf Uvcvgu Rctvpgtujkr (CWMWU),ö Crtkn 5, 2022, jvvru://y y y.y jkvgjqwug.iqx/dtkgŁpi-tqqo/uvcvgogpvu-tgngcugu/2022/04/05/ fact-sheet-implementation-of-the-australia-united-kingdom-united-states-partnerujkr-cwmwu/.
- 7. Ocvvjgy Dqpf{, õCWMWU ku pqv lwuv cdqwv uwdu: Kvøu cdqwv cfxcpegf vgejpqnq-

16

i {,ö Egpvtg hqt Kpvgtpcvkqpcn I qxgtpcpeg Kppqxcvkqp, Fgeg o dgt 10, 2021: jvvru://

E.,, C., ..., ..., ... L. -.., ...

Adam P. MacDonald

Introduction: A generational Canadian response?

If the Liberal government of Justin Trudeau is truly committed to *Canada's Indo-Pacifc Strategy* (IPS) as the beginning of, and mechanism for ensuring, cp kpłgevkqp rqkpv kp vjg gpvktgv{ qh Ecpcfcøu hqtgkip rqnke{, vjku ykm tgswktg c comprehensive transformation in the country's geostrategic orientation, interpcvkqpcn tgncvkqpujkru, cpf pcvkqpcn kfgpvkv{ vqyctfu vjg Kpfq-RcekŁe tgikqp.¹ This is a very ambitious proposition, marking the most revolutionary transformation in Canada's strategic culture and international practice since the change

ejcnngpig cpf o quv nkmgn{ yknn tgswktg ecppkdcnk|kpi rctvu qh vjg htkicvg łggv vq ugtxkeg cp gxgt-ujtkpmkpi pw o dgt qh cxckncdng rncvhqt o u. Cu ygnn, qvjgt o clqt curgevu qh vjg TEP łggv ctg crrtqcejkpi vjg gpf qh vjgkt ugtxkeg nkxgu ykvj pq tgrnceg o gpvu, o quv k o rqtvcpvn{ uwd o ctkpgu cpf eqcuvcn rcvtqn ujkru.

Vjg ugeqpf kuuwg ku tgetwkv o gpv cpf tgvgpvkqp. Vjg TEP ku kp c etkvkecn uvcvg, ujqtv cn o quv 20 rgt egpv qh kvu tgswktgf rgtuqppgn.³ This will mean less experienced personnel on vessels and risk of burn-out for mid-level sailors and qhŁegtu ugtxkpi qp eqpvkpwqwu fgrnq{ o gpvu. Nqwgpi

Yjkng uvtgpivjgpkpi kpvgt-qrgtcdknkv{, gzgtekukpi yct Łijvkpi umknnu, cpf conducting operations (such as sanction monitoring and joint patrols) with alnkgu cpf tgikqpcn rctvpgtu ctg korqtvcpv, vjg rtkoct{ cpf õpq hcknö okuukqp hqt vig TEP kp vig Kpfq-RcekŁe tgikqp ku ockpyckpkpi c rtgugpeg.⁴ The RCN must keep its presence in the region regardless of other factors except in extreme uegpctkqu (uwej cu c ukipkŁecpv octkvk og vjtgcv enqug vq Ecpcfc). Rtgugpeg tgswktgu uwuvckpcdknkv{. I kxgp kvu u o cnn uk | g cpf vjg cikpi qh o cp{ qh kvu xguugnu, vjg TEP o wuv dg rtgrctgf vq fgrnq{ cp{ cuugvu vq vjg tgikqp, kpenwfkpi CQRU, the Kingston-class Octkvkog Eqcuven Fghgpeg Xguugnu (OEFXu), cpf kfgcnn{ uwdoctkpgu vq ockpvckp kvu rtgugpeg. Vjg TEP ujqwnf cxqkf vjg vgorvcvkqp vq vjkpm vjg{ jcxg hwpevkqpcnn{ fkhhgtgpvkcvgf cuugvu qt łggvu tgurqpukdng hqt fkhhgtgpv tgikqpu cpf o kuukqpu ugvu. Vjku ku rctvkewnctn { vtwg hqt vjg Ctevke. Vjg CQRU ecppqv dg uggp cu vjg Ctevke crrgpfcig qh vjg TEP yjkej ku uqngn{ tgurqpukdng hqt qrgtcvkqpu kp vjcv tgikqp y jkng vjg tguv qh vjg łggv hqewugu gnugy jgtg.⁵ J cxkpi cnn cuugvu cxckncdng vq fgrnq{ yknn cnuq gpuwtg c uwtig ecrcekv{ kh pggfgf cpf eqxgtkpi qhh fwvkgu y jgp urgekŁe encuugu qh xguugnu ctg dwu{ qt wpcxckncdng. C hqewu qp oqfwnctk | cvkqp ô vjg cdknkv{ vq swkemn{ Łv urgekŁe ecrcdknkvkgu qp/qhh xguugnu, wuwcnn{ kp eqpvckpgtu ô ecp jgnr cwi o gpv vjg uwkvcdknkv{ qh vjgug cuugvu hqt qrgtcvkqpu kp vjg Kpfq-RcekŁe tgikqp, dwv kv o wuv dg mgrv kp okpf vjcv pcxcn cuugvu ctg pqv gpfnguun{ tgeqpŁiwtcdng kp vjku tgictf. While evidently moving beyond a periodic, ad-hoc regional presence, clarity is needed from the political level about what type of presence the RCN is exrgevgf vq uwuvckp kpuvgcf. Vjgtg ctg vyq v{rgu: rgtukuvgpv (tgiwnct dwv pqv cm vjg time) versus permanent (all the time), with each requiring different considercvkqpu. C rgtocpgpv rtgugpeg oc{ lwuvkh{ jcxkpi cuugvu uvcvkqpgf kp vjg tgikqp, either part of an allied task force or via a bilateral access agreement with a host country, whereas a persistent presence can most likely be done through the eqpvkpwgf fgrnq { o gpv qh cuugvu uvcvkqpgf cpf ugtxkegf kp Ecpcfc.

Y jkng eqpvkp i gpe{ rncppkp i ku pqv wuwcnn{ kpenwfgf kp qhŁekcn fghgpeg rqnkcies (and rightly so, given the impossibility of preparing for all possible futures and the need to avoid making commitments to hypotheticals), there are several increasingly important issues military and political leaders should be working vjtqwij cpf rtgrctkpi hqt qp c tgiwnct cpf qpiqkpi dcuku.

Vjg Łtuv ku jqy Ecpcfc yqwnf tgurqpf vq c oknkvct { etkuku qt eqphtqpvcvkqp kp vjg Kpfq-RcekŁe. Jqy ykm Ecpcfc ukipcn yjcv kv ku ykmkpi vq fq cpf pqv do in terms of dispatching military assets during such events, to the Canadian public, allies, regional partners, and competitors and adversaries? What are vjg hcevqtu yjkej ykm kpłwgpeg rwvkpi Ecpcfkcp pcxcn cuugvu kp jctoøu yc{A

A second contingency is the possibility of being asked by the United States vq rctvkekrcvg kp c fgukipcvgf Htggfqo qh Pcxkicvkqp Qrgtcvkqp (HQPQR), o quv nkmgn{ cickpuv Ejkpgug octkvk og enck ou. Y jkng Ecpcfc jcu dggp engct kv fqgu pqv eqpfwev HQPQRu ô fwg vq eqpegtpu cdqwv ngikvk ocvkpi c vqqn y jkej eqwnf dg wugf cickpuv vjgo kp vjg Ctevke, urgekŁecmn{ ykvj tgurgev vq vjg uvc-vwu qh vjg Pqtvj yguv Rcuucig ô oqtg rqnke{ enctkv{ ku pggfgf tgictfkpi jqy, where, and why Canadian naval and air assets will exercise freedom of naviga-vkqp kp vjg tgikqp, d{ vjg ougnxgu cpf/qt kp eqplwpevkqp ykvj qvjgtu.⁶

C vjktf eqpvkpigpe{ ku vjg pgeguukv{ qh vtcfg-qhhu. Uc{kpi pq vq qvjgt oknkvct{ okuukqpu gnug y jgtg yknn dg cp ko rqtvcpv ukipcn vjcv vjg Kpfq-RcekŁe tgikqp is the top overseas priority for the RCN regardless of other (non-existential) kuuwgu cpf etkugu. Uwej c eq o okv ogpv yknn tgswktg jki j-ngxgn rqnkvkecn eqpugpsus across governments for decades in making such calls and absorbing the dcemncuj fq o guvkecnn{, htq o cnnkgu/rctvpgtu, cpf htq o ykvjkp vjg rwdnke ugtxkeg cpf o knkvct{.

Finally, thinking about war scenarios is needed, not just at the front end in terms of initial moves and responses, but more importantly looking at the back end in terms of psychologically and materially preparing for asset and crew nquugu. Vjg iqxgtp o gpv pggfu vq dwhf eqpvkpigpe{ rncpu, kp eqplwpevkqp ykvj industry, business, and allies, about shifting towards an accelerated model of recapitalizing naval (and other) assets and re-generating sailors and crews if pggfgf swkemn{. Pcxcn cuugvu (cpf etgyu) ctg gzrgpukxg cpf gzkuv kp u o cm pw obers, thus producing immense concern about even one of them being damaged (d{ gpg o { cwcem qt ceekfgpv) cpf rwv qwv qh eq o o kuukqp.

C. in the second second

Canada should pursue a multi-tiered engagement approach via the RCN across a wide variety of issues, activities, and groups, but the focus should be

qp dkncvgtcn rctvpgtujkru. Vjg nguuqp htq o Ecpcfcøu pqp-kpxkvcvkqp hqt lqkpkpi

vjtgg cflcegpv qegcp octkvk og urcegu. Uwej c

Qvvcyc ujqwnf gorjcuk | gvjg dgpgŁvu vq Ycujkpivqp qh eqpfwevkpi c urgevtwo qh xctkqwu pcxcn cpf ckt cevkxkvkgu ô kpenwfkpi gzgtekugu cpf vtcpukvu ô y jkej gzgtekug HQP cpf ugpfu vjg ukipcn qh c wpkvgf rqukvkqp qh qr qukvkqp vq kp vjg maritime realm by various states but enables contributing countries to not have to fq c qpg-uk | g-Łvu-cm v{rg qh qrgtcvkqp uwej cu HQPQRu.

 Uvgrjcpkg Ectxkp cpf Vjqocu Lwpgcw, õYj { CWMWU cpf pqv ECWMWUA Kvøu c rqvnwem, pqv c rctv{,ö *International Journal* 78, pq. 3 (2023): 359674, jwru://fqk. qti/10.1177/00207020231195109.

Yqtnf Yctu, fgecfgu qh rgceg ô cf okwyfn{ c tgncvkxg vgt o ô jcxg igpgtcvgf c eq o rncegpv cpf ugnh-kpfwnigpv pc¹xgv² vjcv jcu hwgngf c htgg-nqcfkpi ogpvcnkv{. While this may be an understandable state of affairs, it is a tragic blot on our pcvkqpcn ejctcevgt. Kp c yqtf, htggnqcfkpi ku, cpf ujqwnf dg, dgpgcvj wu. K etkpig vq vjkpm vjcv kv jcu dgeq og qwt fghcwnv rqukvkqp.

Qxgt vjg ncuv jcnh-egpvwt{, uweeguukxg Ecpcfkcp iqxgtpogpvu jcxg hckngf vq vcmg fghgpeg ugtkqwun{. Wpnkmg Cwuvtenkcpu, Ecpcfkcpu jcxg tgpfgtgf fghgpeg uwdlgev vq vjg xcictkgu qh rctqejken, u o cnn-okpfgf rqnkvkeu. Vjg tguwnv ku

rwtrqugu). Vjwu, Ecpcfcøu ugcdqtpg rtqvgevqt ku uvtgvejgf vq vjg dtgcmkpi rqkpv hwnŁnnkpi kvu octkvk og tgurqpukdknkvkgu. Vjg uc og eqwnf dg uckf hqt vjg qvjgt Cogtkecp ct ogf ugtxkegu. Kv ujqwnf eq og cu pq uwtrtkug, vjgtghqtg, vjcv vjg Wpkvgf Uvcvgu ku kpetgcukpin{ kpvgtguvgf kp oknkvct{ dwtfgp ujctkpi. Htggnqcfkpi ku xkgygf ykvj vjkpn{ fkuiwkugf fkuiwuv kp Ycujkpivqp.

Second, the world is an increasingly complex, challenging, and dangerous rnceg. Gxgt{ igpgtcvkqp vjkpmu vjku yc{, dwv yjcv yg ctg ykvpguukpi ku c yqtnf yct d{ rtqz{ kp gcuvgtp Gwtqrg; PCVQ cpf qvjgtu xgtuwu Twuukc, uwrrqtvgf d{ cp qfkqwu cttc{ qh pcvkqpu nkmg Ejkpc, Ktcp, cpf Pqtvj Mqtgc. Yg ecppqv chhqtf vjg nwzwt{ qh itqykpi dqtgf ykvj vjg yct kp Wmtckpg. Yg pggf vq tg- og odgt vjcv Wmtckpkcpu ctg Lijvkpi cpf f{kpi gxgt{ fc{ uq vjcv yg ecp ectt{ qp qwt nkxgu cu kh pqvjkpi ku jcrrgpkpi. Twuukcp tgxcpejku o ku qpn{ rctv qh vjg rtqdng o. Ejkpc, yjkej ycu c octikpcn cevqt hqt owej qh vjg vygpvkgvj egpvw-t{, ku pqy cp cuugtvkxg, cttqicpv, cpf codkvkqwu itgcv rqygt. Vqigvjgt, Twuukc and China are constantly seeking ways to undermine the international rules-dcugf qtfgt. Pqtvj Mqtgc jcu lqkpgf vjg tcpmu qh vjg pwengct rqygtu cpf Ktcp ku uggmkpi vq fq uq. Inqdcn uvtguuqtu ô ftqwijv, fg oqitcrjke rtguuwtgu, ycvgt scarcity, uncontrolled migration, and food scarcity (all, or in part, climate rencvgf) ô ctg uvgcfkn{ tgfwekpi inqdcn qrvkqpu.

Third, the war in Ukraine has brought home an easily forgotten and hardyqp vtwvj: kh {qw ycpv rgceg, rtgrctg hqt yct. Hwtvjgtoqtg, vjg eqpłkev jcu highlighted two powerful realities, namely the technology of war is being deoqetcvk|gf cpf eqpvgorqtct{ ycthctg ku nqikuvkecm{ xqtcekqwu. Fqgu Ecpcfc have the stockpiles to sustain prolonged warfare? We dug deep and found eight vcpmu cpf hqwt 155 o o iwpu hqt M{kx. Vjgp yjcvA

Cpf Łpcm{, ct ogf hqtegu ctg ogcpv vq rtqvgev vjg pcvkqp d{ vjtgcvgpkpi qt fgnkxgtkpi ngvjcn xkqngpeg vq vjg gpg o{. Kh vjku ku fkuvcuvghwn vq {qw, {qwøtg kp vjg y tqpi dwukpguu. Cum vjg yct ygct{ Wmtckpkcp uqnfkgtu kh vjku ku pqv vjg ecug. Vjg CAF is not a petri dish for social experiments; nor is it a national guard in the o cmkpi. Vjg xgt{ hcev vjcv eq o ogpvcvqtu ecp urgcm kp vjqug vgt ou ku c ogcuwtg qh vjg rtkeg vjcv vjg ECH jcu rckf hqt fgecfgu qh pgct etk okpcn kpgrvkvwfg.

In November 2022, the Liberal government of Justin Trudeau unveiled *Canada's Indo-Pacifc Strategy* (KRU). Cv vjg vkog, K ytqvg vjcv vjg uvtcvgi { ycu codkvkqwu, curktcvkqpcn ô cpf hqtv{ {gctu ncvg. Kv ku c rtqhqwpfn{ fqoguvke fqewogpv vjcv tgłgevu Nkdgtcn Rctv{ eqpegtpu kp Ecpcfc ô hgocng gorqy-gtogpv cpf kpfkigpqwu gpvtgrtgpgwtujkr. Jqygxgt, kv fqgu uggm vq cfftguu c

nqpi-uvcpfkpi pcvkqpcn fgŁekv: Ecpcfcøu rgtegkxgf cdugpeg htqo vjg Kpfq-RcekŁe ctgpc. Vjg rtguetkrvkqpu qwvnkpgf ocmg ugpug dwv, cu ykvj uq ocp{ qvjgt hgfgtcn kpkvkcvkxgu, vjg tgcn swguvkqp tgncvgu vq vk ogn{ cpf ghhgevkxg fgnkxgt{. Yknn vjku iqxgtp ogpv ô cpf vjqug vjcv uweeggf kv ô hqmqy vjtqwijA Qpg qh vjg

gests that the maintenance of foreign-built submarines in Canadian yards is likely to generate enough employment over thirty years to meet the customct{ kpfwuvtkcn dgpgŁvu gzrgevcvkqpu. Y jcv qhhujqtg eqpuvtwevkqp y qwnf tgswktg, jqygxgt, ku uq o gvjkpi kp tg o ctmcdn{ ujqtv uwrn{ kp Qvvc y c ô rq}}

leading to the fall from grace of a recently retired Chief of the Defence Staff, the suspension and then dismissal of his newly appointed successor, as well cu etkokpcn rtqegfwtgu cickpuv ugxgtcn ugpkqt ngcfgtu. Kp Oc{ 2022, hqtogt Uwrtgog Eqwtv Lwuvkeg Ocfcog Ngwkug Ctdgwt tgngcugf jgt tgrqtv gp ugzwcn misconduct in the CAF, offering a new roadmap to tackle engrained military xkqngpeg chvgt vjg õewnokpcvkqpö qh c fghwpev Qrgtcvkqp Jqpqwt.² In parallel, the Covid-19 pandemic and the substantial reduction of recruiting for public jgenvj tgeuqpu vwtpgf vjg u{uvgoke kuuwgu kfgpvkŁgf kp c 2016 tgrqtv qh vjg QhŁeg qh vjg Cwfkvqt I gpgtcn kpvq cp õgzkuvgpvkcn etkukuö hqt vjg oknkvct{.³To cope with and solve this crisis, the CAF and the Department of National Dehgpeg (FPF) rwdnku jgf c Tgeqpuvkvwvkqp Fktgevkxg kp Qevqdgt 2022 cpf uwdugswgpvn{ c Tgvgpvkqp Uvtcvgi{. Vjg Tgeqpuvkvwvkqp Fktgevkxg ugg o gf vq vt{ cpf refocus personnel time towards essential tasks and foregoing more ceremonial cpf õoqtcngö cevkxkvkgu; g.i., rctcfgu y jkng nkuvkpi c ykfg-tcpikpi nkuv qh cevkqp kvg ou hqt xctkqwu cigpekgu ykvjkp FPF/ECH vq tghqt o vjg tgetwkv ogpv u{uvg o cpf oqfgtpk|g vjg rgtuqppgn ocpcig ogpv crrctcvwu.

While the implementation of the directive and the strategy is underway, vjg ukvwcvkqp tgockpu fktg. Kp vjgkt 2022-23 Fgrctvogpvcn Tguwnvu, FPF/ECH cuuguugf vjcv 70 rgt egpv qh kvu qeewrcvkqpu ctg kp õetkvkecn ujqtvhcm,ö cpf cu qh Lwn{ 31, 2023, vjg Tgiwnct Hqtegøu vtckpgf ghhgevkxg uvtgpivj ô k.g., vjg pw odgt qh vtqqru vjcv jcxg iqpg vjtqwij vtckpkpi cpf ctg cxckncdng hqt fwv{ ô ku c lwuv under 18,000 short of the goal of 101,500 troops outlined in *Strong, Secure, Engaged.*⁴ The 2021-22 Departmental Results estimated that it would take a fgecfg vq qxgteq og vjg rgtuqppgn ej cmgpig.

Vjg Tq{cn Ecpcfkcp Pcx{ ku pqv ko owpg vq vjgug kuuwgu. Kp c tgoctmcdn{ honest YouTube video posted in late November 2023, the Commander of the Pcx{, Xkeg-Cfoktcn Cpiwu Vqrujgg, pqvgf vjcv c nctig pwodgt qh pcx{ qeewrcvkqpu jcxg ukipkŁecpv ujqtvcigu, cpf vjcv vjg cvvtkvkqp qh vgejpkekcpu jcu tgcejgf etkvkecn ngxgnu. Ocmkpi vjg rkevwtg gxgp oqtg eq orngz, vjg eqtg qh vjg bleeding occurs at the mid-levels ranks and roles (master seaman and adminkuvtcvqt cpf uwrgtxkuqtu). Ceeqtfkpi vq XCf o Vqrujgg, vjg ukvwcvkqp

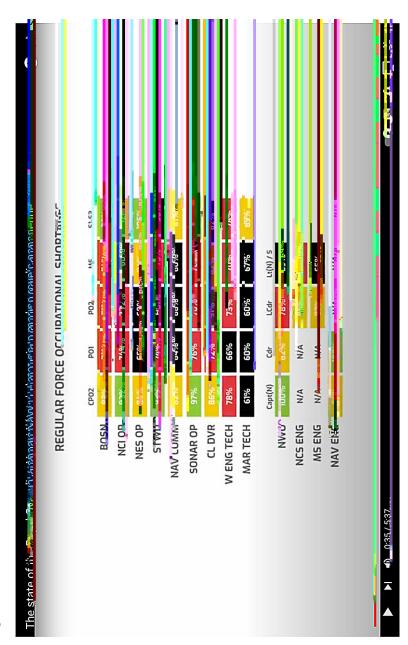


Figure 1

Kingston-encuu Octkvk og Eqcuven Fghgpeg Xguugnu, epf hqwt *Victoria*-class suboctkpgu. Vjg TEP ku enuq uejgfwngf vq ceswktg 15 yetujkru ô vjg Eepefkep Uwtheeg Eq o devepvu ô vq tgrneeg vjg fgeq o okuukqpgf *Iroquois*-class destroyers and the *Halifax*-encuu htki evgu. Kp 2024, vjg htki evgu etg terkfn{ er rtqejkpi vjg gpf qh vjgkt nkhg e{engu, epf kuuwgu etg pqy etkukpi. Hqt gzc orng, J OEU *Winnipeg* needs extensive reparations following its deployment in the Indo-PaekŁe kp vjg hem qh 2022, epf J OEU *Ottawa*'s transponder broke during its Aui wuv-Fgeg odgt 2023 okuukqp kp vjg tgikqp ykvj J OEU *Vancouver*. Dwv fgne{u qp vjg fgnkxgt{ qh vjg EUEu ô vjg{ etg pqv gzrgevgf vq iq kpvq ugtxkeg wpvkn vjg getn{ 2030u ô tekug eqpegtpu qxgt vjg edknkv{ qh Eepefcøu ujkru vq hwnŁm vjgkt gpvktg okuukqp ugv.

Hqt pqy, vjg TEP ecp oggv qpg qh vjg fgocpfu qh vjg Kpfq-RcekŁe Uvtcvgi {: kv ecp fgrnq{ qpg cf fkvkqpcn htkicvg kp vjg tgikqp c {gct. Dwv kv ku pqv fqkpi uq ykvjqwv cnuq eqrkpi ykvj ukipkŁecpv qticpk|cvkqpcn ejcnngpigu. Yjcv fqgu this mean for the upcoming Defence Policy Update (DPU)?

The Defence Polic Update

Announced in Budget 2022 with a promise that it would be released swiftly, vjg FRW uvkm jcu pqv dggp tgngcugf cv vjku y tkvkpi kp Lcpwct{ 2024. Cu vjg pc og suggested, the goal was to review and revise

in Strong, Secure, Engaged. Vjcv ejcrvgt rtgugpvgf c rngvjqtc qh

eguugu (gzrgevgf kp Lwpg 2024) cu uqqp cu rquukdng. Oqtg tgncvgf vq vjg vqrke qh ko rng o gpvkpi vjg fghgpeg curgevu qh vjg Kpfq-RcekŁe Uvtcvgi {, kv cnuq gpvcknu considering how the current personnel shortage is impacting personnel and the gzgewvkqp qh vjg o kuukqp ugv. Ukpeg kv ku wpnkmgn{ vjcv vjg i qxgtp o gpv y knn uecng down operational tempo to relieve service members, innovative ideas to help vjg o eqrg ykvj vjg etkuku yqwnf dg pgeguuct{. Dwv vjgtg tg o ckpu c egpvtcn kuuwg nghv vq dg cfftguugf: fghgpeg urgpfkpi.

Follow the mone

Strong, Secure, Engaged featured a plan for a twenty-year increase in dehgpeg urgpfkpi. Vjtqwij kvu vjqtqwij ceeqwpvkpi gzgtekug, vjg 2017 rqnke{ was intended to send a clear message that a boom-and-bust approach to dehgpeg urgpfkpi yqwnf pq nqpigt dg c hgcvwtg kp Ecpcfc. Vjg jw o dng cnnqecvkqp of additional money for defence in Budget 2022, and the announcement of PQTCF oqfgtpk|cvkqp-tgncvgf kpxguv ogpvu kp Lwpg 2022, crrgctgf vq jcxg eqpŁt ogf vjcv vjqug curktcvkqpu ygtg kp hcev tgcnkv{. Dwv cu fghgpeg dwfigv gzrgtv Fcxkf Rgtt{ pqvgf, Dwfigv 2022 ujqpg nkijv qp fkhŁewnv Łuecn qwvnqqm hqt Ecpcfc. Jqygxgt, kv ku Dwfigv 2023 vjcv uwiiguvu vjcv ukipkŁecpv dwfigv ewvu ctg eq okpi ô kpenwfkpi fghgpeg, gxgp vjqwij vjg fqew ogpv ocmgu vjg rtq okug vjcv ewvu ykm pqv k orcev vjg ECHøu qrgtcvkqpcn ghhgevkxgpguu.¹⁰ A couple of yggmu chvgt PCVQøu Xknpkwu Uwo okv, fwtkpi yjkej Ecpcfc rngfigf vq jcxg kvu fghgpeg urgpfkpi oggv vjg 2 rgt egpv qh I FR, kv ycu cppqwpegf vjcv FPF/ ECH ykm jcxg vq ewv enqug vq \$1 dkmkqp kp kvu dwfigv qxgt Łxg {gctu. Fgurkvg

uvcpvkcn kpxguv o gpv cpf tguqwtekpi yknn dg pgeguuct {. Vjg ewttgpv wpegtvckpv { qp hwvwtg fghgpeg urgpfkpi, jqygxgt, ecnnu hqt ecwvkqp. Vjg ECHøu cdknkv { vq korng o gpv vjg curgevu qh vjg Kpfq-RcekŁe Uvtcvgi { pcfkcp Inqdcn Chhcktu Kpuvkwwg (Oc{ 2022), jwru://y y y.eick.ec/rgqrngaŁtuvatgyjkpmkpiargtuqppgnarqnke{.

- 8. Ejctnqvvg Fwxcn-Ncpvqkpg, õEwnvwtg ejcpig dg{qpf okueqpfwev: Cfftguukpi u{uvg oke dcttkgtu,ö Ecpcfkcp I nqdcn Chhcktu Kpuvkvwvg (Pqxg odgt 2023), jvvru:// y y y.eick.ec/ewnvwtgaejcpigadg{qpfaokueqpfwevacfftguukpiau{uvg okeadcttkgtu#ahvptgh13.
- 9. Ktkpc I qnfgpdgti cpf Pcpe{ Qvku, õEcpcfkcp Ct ogf Hqtegu tgeqpuvkvwvkqp: Vjg etkvkecn tqng qh rgtuqppgn tgvgpvkqp,ö kp Lwpgcw cpf Ncicuu², gfu., *Canadian Defence Policy in Theory and Practice*, xqn. 2, 30ó31.
- 10. Rgtt{, õVjg fghgpeg dwfigv,ö 1206129.

40

Ross O'Connor

Introduction: The historical context

Developed during the American civil war and perfected during the Great Yct, vjg Wpkvgf Uvcvgu dnwgrtkpv hqt oknkvct{ xkevqt{ jcf dggp vq Łgnf c owej nctigt cto{ vjcp kvu qrrqpgpv cpf qxgty jgn o kv. Cnvjqwi j vjg u cog uvtcvgi { was again employed at the start of the American intervention in Europe in the Ugeqpf Yqtnf Yct, vjg Cmkgf rncp vq Łgnf c ikcpv cto{ vq dgcv vjg Ygjt ocejv jcf eq orngvgn{ eqmcrugf d{ vjg uwo ogt qh 1942. Jcxkpi tgcnk|gf vjcv jctf uvtcvgike ejqkegu ygtg d{ Yct,

uvtcvgike	kv.	0			
	uvtcvgike qh		$\mathbf{q}\mathbf{h}$	Yct,	qh

vq vjg Uqwvj Ejkpc Ugc cpf uwtxgkn Dgklkpiøu itqykpi łggv qh uwd octkpgu cpf ujkru, Ecpcfc jcu tg ockpgf vjg ukngpv rctvpgt. Kh qwt Kpfq-RcekŁe uvtcvgi { ku vq mean anything, it must be buttressed by *game-changing investment in naval capacity* kp vjg uc og yc { vjcv Octujcm ocfg vjg uvtcvgike fgekukqp vq ic odng qp ugc rqygt kp vjg Ugeqpf Yqtnf Yct.

Building con dence with our allies

C tqdwuv dnwg-ycvgt Ecpcfkcp pcx{ fgrnq{cdng vq vjg kpfq-RcekŁe yqwnf be an invaluable help to allies (including the United States) to secure maritime shipping lanes, help patrol against illegal activity, and act as a deterrent to rqvgpvkcn octkvk og godctiqu cpf ejqmgrqkpv dnqemcfgu cpf qvjgt łcuj rqkpvu. An increase in the presence of Canadian naval assets would also represent the õjctf rqygtö pggfgf hqt Ecpcfc vq fgoqpuvtcvg kvu eq o okvogpv cpf dqpc Łfgu vq htkgpfn{ eqwpvtkgu kp vjg kpfq-RcekŁe cu c yc{ vq dwknf rctvpgtujkru cpf Wpkvgf Uvcvgu RcekŁe Hnggv kp qtfgt vq guvcdnkuj c õEjkpc ngfö twngu-dcugf kpvgtpcvkqpcn qtfgt kp kvu qyp dcem{ctf. Vq cejkgxg vjku, Dgklkpi g o rnq{u ciitgusive tactics at every turn in order to bully its neighbours across the South China Ugc. Vjg o quv tgegpv gzc o rng y cu kp vjg Rjknkrrkpgu, y jgtg Ejkpgug xguugnu rammed and harassed Filipino ones attempting to resupply Second Thomas Ujqcn. Cu vj&Hswcpvkvcvkxg gfig jgnf d{ vjg Wpkvgf Uvcvgu cpf kvu cnnkgu ku gtqfing, the presence of Canadian naval hardware could be part of the solution to mggr ugc ncpgu ugewtg cpf vq dwknf eqpŁfgpeg ykvj cnnkgu nkmg Uqwvj Mqtgc, Lcrcp, cpf Xkgvpc o.

But China's navy continues to grow, with the construction of aircraft-carbinet D

jctf pcxcn cuugvu fgrnq{gf vq vjg Kpfq-RcekŁe vjgcvtg yqwnf pqv qpn{ dwknf eqpŁfgpeg ykvj qwt rctvpgtu dwv yqwnf cnuq rnc{ c xkvcn tqng kp fgvgttkpi vjg nqq okpi eqpłkevu. Ecpcfkcp pcxcn hqtegu jcf c ukipkŁecpv tqng kp rtqvgevkpi vtcpu-Cvncpvke ujkrrkpi tqwvgu kp yctvk og cpf ecp dg vjg pgy õrgcegmggrgtuö qh vjg hwvwtg.

What would a naval presence look like?

New submarines for Canada would be the most important part of a dernq{cdng pcxcn writcfg. Wpfgtugc uwtxgkmcpeg cpf fghgpeg tgockp rctcoqwpv kp vjg RcekŁe dgecwug vjcv ku yjgtg vjg Wpkvgf Uvcvgu cpf kvu cmkgu jcxg vjg technological edge over China which has a limited capacity to detect, track, cpf vctigv Cogtkecp cpf cmkgf uwdu. Vjcv gzrnckpu yj{ cokfuk|gf rqygt nkmg Australia is willing to spend billions of dollars over three decades on leasing Cogtkecp pwengct-rqygtgf uwdu cpf dwknfkpi pgy qpgu ykvj Dtkvckp.

Dwv oqtg ujkru cpf oqtg rtgugpeg ctg vjg dqvvq o nkpg ô y jgvjgt kv dg uwthceg eq o dcvcpvu qt cwvqpq o qwu u {uvg o u cpf ugpuqtu. Kv y cu tgegpvn { uwi i guvgf (and I agree) that our weight in international diplomacy is a function of our military capability cpf vjcv yg o wuv dg cdng vq ł { vjg ł ci qp kpvgtpcvkqpcn o kuukqpu cpf rctvkekrcvg ykvj qwt cnnkgu kp gzgtekugu vq dg vcmgp ugtkqwun {.⁷ Naval cuugvu vjcv ecp dg fgrnq{gf kp vjg RcekŁe vjgcvtg ujqwnf dg vjg ngcfkpi hceg qh vjcv fkrnq o ce{.

The politics of naval investments

A new investment in submarines, surface ships, and autonomous naval systems would come with a hefty price tag that many would see as prohibitive cpf vjwu rqnkvkecm{ korquukdng vq ugm vq rqnkvkekcpu cpf xqvgtu. Hwtvjgtoqtg, conventional thinking dictates that Canadian voters continue to see themselves cu rcekŁuvu cpf eqpukuvgpvn{ tcvg fghgpeg urgpfkpi cv vjg xgt{ dqvvq o qh vjgkt rtkqtkvkgu. Vjwu, vq uwi iguv (cu K jcxg) vjcv Ecpcfc ujqwnf vtkrng fqyp qp pcxcn cuugvu eqwnf wpfgtuvcpfcdn{ dg uggp cu ceegngtcvgf rqnkvkecn uwkekfg.

Jqygxgt, jkuvqt{ vgcejgu wu vjcv ujkru cpf pcxcn jctfyctg fq pqv ectt{ vjg pgicvkxg dciicig wuwcm{ cuuqekcvgf

∮¢luanvgklek}fg.xc

dominated the news cycle for an entire week, and politicians of all stripes were hcmkpi qxgt vjgougnxgu vq crrgct kp vjg rjqvq qru. Kp rtgrctcvkqp hqt vjg tqmqwv qh vjg Ctevke Qhhujqtg cpf Rcvtqn Ujkru kp 2007, vjg iqxgtp o gpv fgxgnqrgf a political communication plan to counter the usual arguments from opposition rctvkgu cdqwv iqxgtp o gpv y cuvg cpf vq{u hqt vjg o knkvct{. Cu kv vwtpu qwv, vjcv plan was never used since every opposition party praised the purchase instead qh etkvkek |kpi kv.

By comparison, the procurement of F-35 Joint Strike Fighter jets in 2010 or the light armored vehicles contract in 2015 went through *agonizing* convtqxgtukgu gxgp vjqwij vjg{ dqvj rtqokugf ukipkLecpv geqpqoke dgpgLvu vq vjg cgtqurceg kpfwuvt{ kp Oqpvtgen cpf vjg I gpgten F{pcokeu Ncpf U{uvgouó Ecpefe rncpv kp Nqpfqp. Y jkng ugxgten heevqtu eqpvtkdwvg vq vjg uweeguu qt unpopularity of military procurement, experience has shown that *Canadians love ships*, gxgp vjg oknkvet{ mkpf. Y jkng vcpmu, ctvkngt{, cpf Lijvgt lgvu ctg kpvwkvkxgn{ ecvgiqtk|gf cu õgxkn ygcrqpu qh yctö kp vjg ru{ejqnqikeen eqpuvtwev of many Canadian voters, ships and naval vessels are beloved and thus largely kpqewnevgf cickpuv rqnkvkeen eqpvtqxgtu{ ô crctv htq o ugtkqwu equv qxgttwpu. Kp my assessment, a new and robust investment in the Canadian navy would be a rqnkvkeen ykppgt kh kv ygtg rcemcigf crrtqrtkcvgn{.

Conclusion

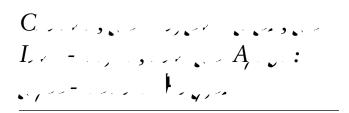
Kp vjg gvgtpcn swguv vq fgLpg Ecpcfcøu rtgugpeg

Vjg dqvvq o nkpg ku vjku: c ukipkLecpv kpxguv ogpv kp pcxcn cuugvu ecp dqvj serve Canadians at home and act as a force multiplier to our allied defence htc og yqtm kp vjg kpfq-RcekLe. Tgictfkpi qwt oquv korqtvcpv ugewtkv{ rctvpgt, K hggn uwrtg ogn{ eqpLfgpv vjcv uwej cp kpxguv ogpv yqwnf Łpf itgcv hcxqwt ykvj yjq ogxgt ku kp vjg Yjkvg Jqwug kp 2025 ô yjkej yqwnf vtcpuncvg kpvq korqtvcpv dgpgLvu vq Ecpcfc. K vjwu hggn vjg eqpxgtigpeg qh yjcv ku pggfgjrch fghcpf.Ecpcfc kp vjg pgzv jcnh egpvwt{ vjcv ku pggfgf vq ugewtg vjg RcekLe cpf vq dwknf eqpLfgpeg ykvj rctvpgtu kp vjg kpfq-RcekLe, cpf yjcv vjg Ecpcfkcp rw c

cpf vj

eg

46



Deanna Horton

Introduction

Canada and the United States have a shared destiny as three-ocean nations ykvj tgictf vq vjg Kpfq-RcekŁe cpf vjg Ctevke ô vyq eqpuvtwevu yjqug dqwpfctkgu ecp ł wevwcvg, fgnkdgtcvgn{ kpenwfkpi qt gzenwfkpi eqwpvtkgu. Ykvj c itqykpi kpvgtguv kp vjg Ctevke qp vjg rctv qh Cukcp uvcvgu, cp{ Kpfq-RcekŁe uvtcvgi{ ô kpfggf, cp{ fghgpeg uvtcvgi{ hqt vjcv o cvvgt ô o wuv vcmg vjg Ctevke kpvq ceeqwpv.

Throughout its limited foreign policy history, Canada has tended to rely on o wnvkncvgtcn kpuvkvwvkqpu kp uwrrqtv qh c twng-qh-ncy crrtqcej. Y jkng vjg Wpkvgf Uvcvgu fqgu pqv jcxg vjg ucog o wnvkncvgtcn tgłgz, cpf jcu c oqtg kpvgitcvgf approach to strategy, an increasingly multipolar world and the growing limits on resources might propel Washington to be more cognizant of the importance qh cnnkcpegu. Ecpcfc, qp vjg qvjgt jcpf, eqwnf dgpgŁv htqo c oqtg egpv**jcrk**ggf and strategic approach to its activities in all three oceans, including, of course, vjg Cvncpvke y jkej jcu dggp Ecpcfcøu ockpuvc{.

Vjg Kpfq-RcekŁe cpf vjg Ctevke ctg tgikqpu qh itgcv uvtcvgike qrrqtvwpkvkgu ykvj c etwekcn rctv vq rnc{ kp vjg gogtikpi ownvkrqnct uvtwevwtg. Eqortkukpi two-thirds of the world population and an economy that will account for half qh vjg yqtnf I FR d{ 2040, vjg Kpfq-RcekŁe ykm ftkxg vjg eqtg qh vjg inqdcn geqpq o{. Ogcp y jkng, ikxgp kvu uvtcvgike nqecvkqp dgv yggp vjg Wpkvgf Uvcvgu and Russia and the increased access to natural resources and ship transportation routes due to climate change, the Arctic has been noticing growing interpcvkqpcn kpvgtguv htq o pqp-Ctevke uvcvgu.

The Indo-Paci c

Crctv htq o gcej qvjgt cpf vjgkt Pqtvj C ogtkecp rctvpgt Ogzkeq, dqvj Ecpada and the United States are more economically intertwined with the Indo-PaekŁe vjcp cp{tvj vjg eqtgWpkvgf Uygvgu

Commonwealth, the United States has brought India into the Quadrilateral Security Dialogue (Quad), along with Australia and Japan, currently at the apex qh uvtcvg ike fgxgnqr o gpvu vcmkpi rnceg cetquu vjg kpfq-RcekLe tg ikqp. Jqygxer, the recent crisis that has engulfed Canada-India relations due to allegations of the Government of India's involvement in the assassination of a Canadian Sikh activist, has cast a shadow on any enhancement of the relationship in the ujqtv-vgt o.

Htqo c rqnke{ rgturgevkxg, vjg Kpfq-RcekŁe ku c xgtucvkng eqpegrv vjcv fgcnu with not only military components, but also economic elements generally rencvgf vq eqppgevkxkv{. Kp 2018, qpeg cickp Lcrcp vqqm vjg ngcf, tguwnvkpi kp vjg ukipkpi qh vjg Eqortgjgpukxg cpf Rtqitguukxg Vtcpu-RcekŁe Rctvpgtujkr (ERVRR), c htgg vtcfg citgg ogpv coqpi gngxgp RcekŁe pcvkqpu ykvjqwv Ejkpc qt vjg Wpkvgf Uvcvgu. Jqygxgt, pgkvjgt Ecpcfc pqt vjg Wpkvgf Uvcvgu (pqt Kpdia, for that matter) are members of the behemoth Regional Comprehensive Economic Partnership (RCEP), an economic grouping hovering at just under qpg-vjktf qh vjg inqdcn I FR cpf rqrwncvkqp.

Vjg C ogtkecp kpkvkcvkxg, vjg Kpfq-RcekŁe Geqpq oke Htc og y qtm (KRGH), jcu won adherents despite some criticism in Washington and trade policy circles hqt kvu ncem qh o ctmgv ceeguu vq vjg Wpkvgf Uvcvgu. Cv kvu kpkvkcn KRGH oggvkpi, the US was able to gather twelve countries, including India and seven ASE-CP og odgtu. Kvu ogpw-ftkxgp rkmctu, ngf d{ vjg Wpkvgf Uvcvgu Fgrctvogpv of Commerce and the United States Trade Representative, allow some selecvkxkv{ qh rctvkekrcvkqp. Ecpcfc kpkvkcm{ rnc{gf fqyp vjg tgngxcpeg qh vjg WU kpkvkcvkxg dwv, qh eqwtug, jcu uwdugswgpvn{ yqtmgf vq i ckp gpvt{. Uk oknctn{, vjg Łtuv Kpfq-RcekŁe Fkcnqiwg dgv y ggp Ecpcfc cpf vjg Wpkvgf Uvcvgu y cu jgnf kp Ycujkpivqp Octej 2023 vq hwtvjgt cnkip vjgkt crrtqcejgu vq vjg tgikqp.

Canada should also be paying attention to the ground-breaking USA-Japan-Uqwvj Mqtgc vtkncvgtcn uw o okv cv Ec o r Fcxkf y jkej vqqm rnceg kp 2023. Cu Xkevqt Ejc qh vjg Egpvgt hqt hqt

uw202038.v6cjcjgnf MqtEggpvgtpvjgEgpvgtFcxkfyjkej c

vgtkgu, 5 I cpf 6 I pgvyqtmu, cpf ug okeqpfwevqt o cpwhcevwtkpi ô vgejpqnqikgu vjcv yknn eqpvtkdwvg vq uwrrn{ ejckp tguknkgpeg. Cnn qh vjku ujqwnf dg qh kpvgtguv vq Ecpcfc cu ygm, cu c rctvpgt kp vjg pqtvj RcekŁe.

The Arctic

Vjg Łtuv qdlgevkxg qh *Canada's Indo-Pacifc Strategy* (KRU) ô eq o okwkpi Ecpcfc vq vjg rtqoqvkqp qh rgceg cpf ugewtkv{ kp vjg tgikqp cpf inqdcm{ ô echoes another foreign affairs document of the government of Justin Trudeau: Canada's 2019 Arctic and Northern Policy Framework (ANPF), which sets out Ecpcfcøu uvtcvgi { vq o ckpvckp uqxgtgkipv{ cpf vjg twng qh ncy.

Ecpcfcøu õvjktf qegcpö ycu cnuq dtqwijv wr fwtkpi c eqphgtgpeg cv vjg Owpm Uejqqn qh Inqdcn Chhcktu cpf Rwdnke Rqnke{ cv vjg Wpkxgtukv{ qh Vqtqpvq qp Octej 27, 2023. Hqwpfkpi Fktgevqt Lcpkeg Uvgkp uvtguugf vjg korqtvcpeg qh jqy yg vjkpm cdqwv vjg Ctevke, yjkej, ujg enckogf, ykm dg õvjg pgzv dki dwemgv qh kpxguv ogpv hqt Ecpcfc,ö cpf vjwu õcp Kpfq-RcekŁe kuuwg!ö dgecwug qh Ejkpcøu itqykpi gpicig ogpv kp vjg tgikqp. Jqygxgt, fgurkvg vjg korqtvcpeg of the Arctic to Canada, its governance and protection have not been viewed cu c rtkqtkv{ d{ ocp{ Ecpcfkcpu, qt d{ iqxgtp ogpvu hqt vjcv ocvvgt. Uk oknct vq vjg Kpfq-RcekŁe, yjkej jcu uggp łwevwcvkqpu qxgt vjg {gctu kp Ecpcfcøu rtkqtkvk|cvkqp qh etquu-RcekŁe tgncvkqpu, iqxgtp ogpv urgpfkpi kp vjg Ctevke fqgu pqv tgłgev vjg ukipkŁecpeg qh vjg Pqtvj yguv Rcuucig vq Ecpcfkcp uqxgtgkipv{. Although it was co-developed with Indigenous, territorial, and provincial partpgtu, Ecpcfcøu CPRH jcu dggp ecmgf õc ncwpft{ nkuv qh qdlgevkxgu ô yjkej ku pgkvjgt c uvtcvgi { pqt gxgp c rqnke{ö d{ Ctevke gzrgtv Vqo Czyqtvj{.²

Canadian-American cooperation in the Arctic goes back to the bilateral Pqtvj Cogtkecp Cgtqurceg Fghgpug (PQTCF) eqo ocpf vjcv ycu etgcvgf kp 1958. Kp kvu Ctevke uvtcvgi {, Gg

vjg le tekpug

õgzrcpf Ctevke eqqrgtcvkqp ykvj qvjgt eqwpvtkgu vjcv wrjqnf kpvgtpcvkqpcn ncy, twngu, pqtou, cpf uvcpfctfu kp vjg tgikqp.ö

The Arctic played an important role in the Cold War, with both sides build-

vke, Ejkpc uvcpfu crctv fwg vq kvu ugnh-rtqenck ogf kfgpvkLecvkqp cu c õpgct-Ctevke uvcvgö cpf kvu fkurtqrqtvkqpcvg cnnqecvkqp qh pcvkqpcn tguqwtegu vq Ctevke gzrnqtcvkqp, gzrnqkvcvkqp, cpf tgugctej cpf fgxgnqr ogpv. Ejkpc jcu cnuq dggp widening and deepening its Arctic involvement by fostering what some refer to cu cp õCtevke cnnkcpegö ykvj Twuukc cpf kfgpvkh{kpi vjg fgxgnqr ogpv qh c Rqnct Uknm Tqcf cu c hqtgkip rqnke{ rtkqtkv{. Hqt kvu uvtcvg ike kpvgpvkqpu tg ictfkpi vjg Ctevke, Dgklkpi jcu dggp wpfgt kpvgpug kpvgtpcvkqpcn uetwvkp{.

For its part, Japan has a long history of Arctic engagement, in particular tgictfkpi uekgpvkLe cevkxkvkgu, rqnct tgugctej, cpf kppqxcvkqp. Kp tgegpv {gctu, Japanese engagement in the Arctic has been driven by rapid climate change, riskpi vtchLe kp vjg Pqtvjgtp Ugc Tqwvg, cpf kpetgcugf kpvgtguv kp qvjgt pqp-Ctevke uvcvgu. C tgncvkxg pgyeq ogt vq Ctevke chhcktu, Uqwvj Mqtgc jcu dggp rtk octkn { kpvgtguvgf kp vjg tgikqpøu pcvwtcn tguqwtegu cpf octkvk og vtcpurqtv rqvgpvkcn. Qxgt vjg rcuv vygpv{ {gctu, Mqtgcpu jcxg kpetgcugf vjgkt Ctevke cevkxkvkgu cpf become one of the most active non-Arctic states, comparable to Japan and Ejkpc. Hkpcm{, cu rctv qh õu ocm uvcvgö fkrnq oce{, Ukpicrqtg jcu urgekLecm{ worked through the Arctic Council to address climate change, promote Arctic iqxgtpcpeg, cpf swguvkqp vjg kornkecvkqpu kp vjg octkvk og fq ockp.

Conclusion: The three-oceans nations

Recent geopolitical developments have underscored the need of both Canafc cpf vjg Wpkvgf Uvcvgu vq dwvvtguu vjgkt Cvncpvke htqpv vjtqwij PCVQ cpf kortqxg uwr rn{ ejckp tguknkgpeg y jkng eqpvkpwkpi vq dgpgŁv htq o Cukcp geqpq oke itqyvj. Ecpcfkcp cpf Cogtkecp Ctevke cpf Kpfq-RcekŁe uvtcvgikgu tgeqipk|g the challenges to their vital national interests in security and economic prosperity as well as the opportunities to bolster their leadership abroad, address enkocvg ejcpig, cpf uwrrqtv vjg eqqrgtcvkxg, twngu-dcugf kpvgtpcvkqpcn qtfgt.

It is possible that the emphasis of the administration of Joe Biden on the Swcf cpf c tgkpxkiqtcvgf uwrrqtv kp PCVQ okijv ukipcn vjcv vjg Wpkvgf Uvcvgu is being more selective in determining and pursuing its national security interguvu.³ As for Canada, the IPS and ANPF indicate that there are strategic views cv yqtm, cpf c eqpegtvgf ghhqtv htqo cp kpvgt-okpkuvt{ eqcnkvkqp. Jqygxgt, vjg nk okvgf tguqwtegu dgkpi cnnqecvgf uwi iguv vjcv vjg wnvk ocvg vguv qh Qvvc ycøu ykmingness to make a meaningful contribution, gain the trust of regional partners, cpf dtkpi cdqwv kvu kpfq-RcekŁe cpf Ctevke xkukqp yknn dg kp vjg ko rng ogvcvkqp.

Kp vjg õvjtgg qegcpuö eqpvgzv, Ecpcfc yknn pggf vq dg rgtegkxgf cu c jgnrhwn partner and contributor and be sure that Washington policy-makers understand vjcv Ecpcfcøu kpvgtguvu ctg cnkipgf ykvj vjqug qh kvu pgkijdqwt vq vjg uqwvj. Although Canada cannot afford to maintain a three-ocean strategy similar to its historical engagement in the Atlantic, it will have to make sustained commitments in the two other oceans and make any trade-offs cognizant of its interests kp vjg g ogtikpi kpvgtpcvkqpcn qtfgt.

L - ..., .: A , , D . . , *

John Blaxland

Introduction9

Vjg Łtuv ku itgcv-rqygt eqpvguvcvkqp ô pqv lwuv dgvyggp Ejkpc cpf vjg Wpkvgf Uvcvgu, dwv kpetgcukpin{ qvjgtu. Twuukcøu dqtfgt ykvj Ecpcfc uvtgvejgu pqv lwuv cetquu vjg Ctevke dwv vjg pqtvjgtp tgcejgu qh vjg Kpfq-RcekŁe cu ygm. Tension and contestation are manifesting in clashes in the South China Sea, vjg Gcuv Ejkpc Ugc, vjg Mqtgcp rgpkpuwnc, vjg Jkocnc{cp o qwpvckpu, cv jq og online and in fractured social settings, and yet again amongst the strategic wavgtyc{u qh vjg Okffng Gcuv.

Vjg ugeqpf vjg og ku nqq okpi gpxktqp ogpvcn ecvcuvtqrjg. Vjku ku rctvkewnctn{ cewvg hqt ocp{ RcekŁe Kuncpf uvcvgu cpf uk oknct nqy-n{kpi eqo owpkvkgu. Dwv kv kupøv lwuv cdqwv vjg rtqurgev qh ugc ngxgn tkug. Gzvtg og ygcvjgt gxgpvu and pandemics are becoming normal and presenting a greater tempo and scale qh ejcmgpigu vjcv tgswktgu kppqxcvkxg eqmcdqtcvkqp vq cfftguu. Vjku igpgtcvgu itqykpi cpf wpuwuvckpcdng fg ocpfu hqt vjg uwrrqtv qh vjg ct ogf hqtegu.

The third theme is a spectrum of governance challenges: people smuggling, drug smuggling, terrorism, the breakdown in law and order, insurgencies, revqnwvkqpu cpf oqtg. Cwuvtcnkcp cpf Ecpcfkcp fghgpeg, kpvgmk i gpeg, ugewtkv{ cpf police agencies cooperate closely on these matters but they are stretched and {gv vjgtg ku owej oqtg vq dg fqpg.

These three challenges are being accelerated by the fourth industrial revonwvkqp, ykvj ctvkŁekcn kpvgmkigpeg, swcpvwo eqorwvkpi, cwvqpqoqwu u{uvgou cpf oqtg. Cnqpi vjg yc{ uqekgv{ jcu oqtrjgf htqo dgkpi ygd-gpcdngf vq ygd-fgrgpfgpv cpf, kp vwtp, ygd-xwnpgtcdng. Vjg uecng qh e{dgt kpvtwukqpu cpf cwcemu htqo uwcvg cpf pqp-uvcvg cevqtu jcu itqyp eqo ogpuwtcvgn{. Kp cffkvkqp, civil society is struggling with fake news and algorithm-generated echo chamdgtu, hqogpvkpi ekxkn wptguv. Tgetwkvgtu uvtwiing vq igv vjg tgswktgf pw odgt qh enlistees who, for a variety of reasons, are staying away from service, leaving vjg ct ogf hqtegu fgurgtcvgn{ ujqtv-uvchhgf. Ecpcfc cpf Cwuvtenkc entgcf{ yqtm closely on this, particularly in the security-intelligence, policing and cyber doo ckpu, dwv pggf vq uvgr wr vjg kpxguv ogpv kp eqmcdqtcvkqp.

The utilit of closer collaboration

Australia and Canada have an enduring interest in making a positive contridwvkqp vq ugewtkv{ cpf uvcdknkv{ kp vjg Kpfq-RcekŁe. Vjcv kpvgtguv ku jgkijvgpgf cu vgpukqpu kp vjg tgikqp łctg. Fgurkvg Ogtecvqt rtqlgevkqp fkuvqtvkqpu, vjg{ ctg gswkfkuvcpv htq o vjg uvtcvgike jqvurqvu qh Pqtvjgcuv Cukc. Vjg{ ctg enqug

Afterwards, Canada contributed a brigade-sized land force plus naval and ckt gng o gpvu fwtkpi vjg Mqtgcp Yct, Łijvkpi cnqpiukfg Cwuvtenkepu cpf vqigvjgt kpłkevkpi c ugvdcem qp vjg gpg o { cv vjg Devvng qh Mcr {qpi kp 1951. Fwtkpi vjg Xkgvpc o Yct, Ecpefe ycu vjg rtkpekren Yguvgtp eqwpvt { ugpfkpi o qpkvqtu vq Xkgvpc o vq yqtm ykvj vjg Kpvgtpevkqpen Eq o okuukqp hqt Uwrgtxkukqp cpf Eqpvtqn, netign { cu c hexqwt vq vjg WU ô cpf kp c o cppgt vjev hekpvn { gejqgf Similarly, there are a number of ways that Canada could search for mutual ecrcdknkv{ gpjcpegogpvu cpf ghŁekgpekgu:

Shared education and training exchanges: Cffkvkqpcn ghŁekgpekgu cpf ucxkpiu ecp dg ocfg d{ ujctkpi wpfgtitcfwcvg htq o vjgkt ugetgvkxg ukipcnu kpvgmkigpeg fqockpu. Uq, vjg{ ctg ygm rncegf vq work collaboratively to develop cyber defence measures and strategies for countering foreign interference and responding to the threats posed to their xkdtcpv dwv htcikng uqekgvkgu.

To maintain honed forces and cutting-edge capabilities, maximum use will need to be made of simulation, networked IT facilities and online training reuqwtegu. Cwuvtenke cpf Ecpcfc ujqwnf nqqm vqyctf hwtvjgt fgxgnqrkpi ujctgf qpnkpg vtckpkpi rtqitcou yjgtg eq o oqpcnkvkgu gzkuv cetquu vjg vjtgg ugtxkegu. Such shared arrangements can readily build on existing high levels of compatkdknkv{.

Enhancing engagement

Whatever collaborative work is undertaken between Australia and Canada will always pale in comparison with the bilateral undertakings each has with the United States, notwithstanding the domestic political upheavals in that eqwpvt{. Vq fcvg, Ecpcfc cpf Cwuvtenkc jcxg tgnkgf rtkoctkn{ qp WU-ngf ownvk-nevgten ettepig o gpvu vq rtqxkfg vjg xgpwg hqt gpicig o gpv. Dwv ykvj vjg Wpkvgf States distracted by its own protracted domestic political manoeuvrings, there appears to be considerable utility in Canada and Australia expanding their own ettepig o gpvu. Vjgtg ctg o cp{ ctgcu y jgtg dqvj Ecpcfc cpf Cwuvtenkc eqwnf contribute alongside the US to enhance regional security and stability in a way vjcv eqwnf cnuq jgnr dqnuvgt Ecpcfc-Cwuvtenkc vkgu. Vjgug kpenwfg vjtgg gngments: (1) bolstering its collaborations as part of the integrated intelligence, uwtxgkmcpeg cpf tgeqppckuucpeg pgv yqtm hqt vjg yguvgtp RcekŁe; (2) gpjcpekpi cooperation on undersea warfare; and (3) increased cooperation and interoperability on precision munitions to allow for common stockpiling (experience in vjg Mqtgcp Yct cpf vjg yct kp Wmtckpg ku kpuvtwevkxg qp vjku rqkpv).

Major acquisitions: There is also scope for closer collaboration on major ceswkukvkqp rtqlgevu. Ykvj Ecpcfc jcxkpi fgekfgf vq rtqeggf ykvj ceswkukvkqp of the P8 Poseidon, the F-35 Joint Strike Fighter, and developing its own Type 26 derivative warships, let alone ongoing parallel requirement for land combat systems, close collaboration, including personnel and information exchanges, ujqwnf hgcvwtg rtqokpgpvn{. Vjku crrnkgu cnuq vq qvjgt uwej hwvwtg ceswkukvkqp fgekukqpu. Vjgtg ku owej vq dg ickpgf htqo enqug cpf oqtg uwduvcpvkcn gz-ejcpigu.

Nuclear-propulsion submarines (SSNs): Doing the un-doable or the must-doable?

Ecpcfc ku tgłgevkpi qp kvu hwvwtg uwdoctkpg qrvkqpu. Eqwpvtkgu ykvj gpqtmous coastlines like Australia and Canada have long seen submarines as a key ecrcdknkv{ hqt fghgpfkpi pcvkqpcn kpvgtguvu. Y jgp kv eq ogu vq vjg vgejpqnqi { itself, it has long been understood that nuclear propulsion submarines provide uvgcnvj cpf gpfwtcpeg. Dwv, nkmg Cwuvtcnkc, Ecpcfc nqpi hcegf gxkfgpvn{ kpsurmountable challenges in having such a program endorsed, resourced, and dtqwi jv kpvq ugtxkeg. Tgvktgf Xkeg Cfoktcn Octm Pqt ocp ku swqvgf cu jcxkpi fgenctgf kp 2023 vjcv õK fqpøv dgnkgxg yg jcxg vjg uvq ocej vq cevwcm{ eqo okv vq vjku v{rg qh ecrcdknkv{.ö

The Australian precedent suggetsts Canada should get serious about its sub-

compellingly argued that the AUKUS nuclear propulsion submarines can be understood in terms of its ability to deter would-be adversaries, reassure neighbours, bind allies closer, build momentum towards defence preparedness, and dqnuvgt Cwuvtcnkcøu kpvgtpcvkqpcn etgfkdknkv{.¹ With respect to primacy versus the

in regional security and stability, maintaining the rules-based order while also gpeqwtcikpi Ejkpcøu eqpvkpwgf rgceghwn tkug.

Dtgyuvgt, Owttc{, õVjkpmkpi vjg÷wpvjkpmcdngø: Jqy Ejkpc eqwnf ejcpig Ecpcfcøu eqpxgtucvkqp cdqwv pwengct uwdu,ö *CBC News*, Oc{ 27, 2023, jvvru://y y y.ede.ec/pgyu/rqnkvkeu/ecpcfc-ejkpc-yct-pwengct-uwdocd{______

Endnotes

- 1. Fcttgp Nko, õCWMWU rncpu; Kpfkc; tgf cngtvu,ö *Australia in the World* podcast, Octej 19, 2023, jwru://y y y.rqfdgcp.eqo/gy/rd-x63{5-13dg1gd.
- Tqigt Dtcfdwt{, Cppg-Octkg I tkuqiqpq, Gnk|cdgvj Ykmkc ou, cpf Ueqvv Xgnnc, õCfxcpegu kp fgvgevkqp vgejpqnqi { eqwnf tgpfgt CWMWU uwd octkpgu wugnguu d{ 2050,ö *The Strategist*, Cwuvtenkcp Uvtevgike Rqnke{ Kpuvkvwvg, Octej 15, 2023, jvru://y y y.curkuvtevgikuv.qti.cw/cfxcpegu-kp-fgvgevkqp-vgejpqnqi{-eqwnf-tgp-fgt-cwmwu-uwd octkpgu-wugnguu-d{-2050/.
- 3. CWMWU equvkpiu ctg CWF\$268ó368 dknkqp qxgt 30 {gctu/0.15 rgtegpv qh I FR; gzrgpfkvwtgu qp jgcnvj, fkucdknkv{, cpf gfwecvkqp guvk o cvgf vq dg CWF\$9 vtknnkqp qxgt vjg uc og rgtkqf. Hqt fgvcknu, ugg Cwuvtcnkc, Okpkuvgt hqt Fghgpeg, õLqkpv media statement: Australia to pursue nuclear-powered submarines through new vtkncvgtcn gpjcpegf ugewtkv{ rctvpgtujkr,ö Ugrvg o dgt 21, 2021, jwru://y y y.okp-kuvgt.fghgpeg.iqx.cw/uvcvg o gpvu/2021-09-16/lqkpv- o gfkc-uvcvg o gpv-cwuvtcnkc-rwt-sue-nuclear-powered-submarines-through-new-trilateral-enhanced-security-partnership; Cpftgy Rtqd{p, õPFKU vq equv o qtg vjcp \$30 dknkqp d{ 2024625,

hgfgtcn dwfigv vq rtgfkev,ö *ABC News*, Oc{ 10, 2021, jwru://y y y.cde.pgv.cw/ pgyu/2021-05-10/hgfgtcn-dwfigv-pfku-hwpfkpi-vq-uwtrcuu-ogfkectg/100129582; õJgcnvj qxgtxkgy,ö *Budget Review 2022–23*, jwru://y y y.crj.iqx.cw/CdqwvaRctnkcogpv/Rctnkcogpvct{aFgrctvogpvu/Rctnkcogpvct{aNkdtct{/rwdu/tr/Dwfigv-Tgxkgy202223/JgcnvjQxgtxkgy;õCwuvtcnkc ô rwdnke urgpfkpi qp gfwecvkqp,ö *Trading Economics*, jwru://vtcfkpigeqpqokeu.eqo/cwuvtcnkc/rwdnke-urgpfkpi-qpgfwecvkqp-vqvcn-rgtegpv-qh-ifr-yd-fcvc.jvon.

is a professor of International Security and Intelligence Studies cpf hqt ogt Jgcf qh vjg Uvtcvgike cpf Fghgpeg Uvwfkgu Egpvtg cv vjg Cwuvtcnkcp Pcvkqpcn Wpkxgtukv{. Jg ycu tgegpvn{ crrqkpvgf vjg Fktgevqt qh vjg CPWøu Pqtvj C ogtkec Nkckuqp QhŁeg. Jg ku vjg cwvjqt qh c pw odgt qh yqtmu, kpenwfing Strategic Cousins: Australian and Canadian Expeditionary Forces and the British and American Empires (Oe I knn-Swggpøu Wpkxgtukv{ Rtguu, 2006), A Geostrategic SWOT Analysis for Australia (Security and Defence Studies Centre, Australian National University, 2019); and, with Clare Birgin, Revealing Secrets: An Unoffcial History of Australian Signals Intelligence and the Advent of Cyber (Wpkxgtukv{ qh Pgy Uqwvj Ycngu Rtguu, 2023).

tgegkxgf jku Rj.F. kp jkuvqt { htqo vjg Wpkxgtukv { qh Nqpfqp kp 1969. Jg ycu c rtqhguuqt cpf Fgcp qh Ctvu cv Tq { cn Tqcfu Oknkvct { Eqnngig kp Xkevqtkc hqt vygpv {-hqwt {gctu. Uwdugswgpvn {, jg ugtxgf cu vjg Urgekcn Cfxkuqt (Rqnke {) vq vjg cf oktcnu eq o ocpfkpi Octkvk og Hqtegu RcekŁe, Ecpcfcøu y guv eqcuv pcxcn hqt o cvkqp. Jg tgvktgf kp 2020 jcxkpi urgpv jku ectggt hqewugf qp Kpfq RcekŁe octkvk og ugewtkv {.

is associate professor at the Norman Paterson School of

cpf Rwdnke Rqnke{ cv vjg Wpkxgtukv{ qh Vqtqpvq. Ujg ku cnuq chŁnkcvgf ykvj vjg Yknuqp Egpvgt Ecpcfc Kpuvkvwvg kp Ycujkpivqp, FE; vjg Cukc RcekŁe Hqwpfcvkqp qh Ecpcfc; cpf vjg Ecpcfkcp Inqden Chhcktu Kpuvkvwvg. Jgt tgugctej cpf y tkvvgp yqtm hqewu qp Ecpcfc-Cukc, Ecpcfc-WUC, cpf vjg fkikven geqpq o {. In her previous foreign service career, she spent seven years in Washington, twelve years in Japan, two years as Ambassador to the Socialist Republic of Xkgvpc o cpf ugtxgf kp vtcfg rqnke{ cu c PCHVC pgiqvkcvqt.

ku c rtqhguuqt kp vjg Wpkxgtukv{ qh Qvvcycøu I tcfwcvg Uejqqn qh Rwdnke cpf Kpvgtpcvkqpcn Chhcktu. Jg ku vjg eq-cwvjqt, ykvj Uvgrjcpkg Ectxkp, of *Intelligence Analysis and Policy Making: The Canadian Experience* (Stanhqtf Wpkxgtukv{ Rtguu, 2021).

, c hqt ogt Pcxcn Ycthctg QhŁegt kp vjg Tq{cn Ecpcfkcp Navy, is a researcher at the Centre for China Policy Research at Global Affairs Ecpcfc. Jku ewttgpv yqtm gzc okpgu vjg uvtcvgike pcvwtg qh vjg Ukpq-Twuukcp relationship and its impact on regional geopolitical systems in the Arctic and Pqtvjgcuv Cukc.

is a professor at the Department of Politics and International Uvwfkgu cv vjg Kpvgtpcvkqpcn Ejtkuvkcp Wpkxgtukv{ kp Vqm{q. Jg ku c ugpkqt hgnnq y cv vjg Ocefqpcnf-Ncwtkgt Kpuvkvwvg (ONK), c tgugctej hgnnq y cv vjg Ecpcfkcp Global Affairs Institute (CGAI); a visiting fellow at the Japan Institute for International Affairs (JIIA); a research associate at the Institute for Security and Development and Policy (ISDP); a senior fellow for the East Asia Security Centre (EASC); and a Research Committee member for the Research Institute hqt Rgceg cpf Ugewtkv{ (TKRU). Jg ycu ugngevgf cu c Fkuvkpiwkujgf Hgnnqy hqt vjg Cukc RcekŁe Hqwpfcvkqp htq o 2017 vq 2020. Jg ugtxgu cu vjg Fktgevqt qh Rqnke{ Uvwfkgu hqt vjg [qmquwmc Eqwpekn qh Cukc RcekŁe Uvwfkgu ([ECRU) urgctjgcfkpi vjgkt Kpfq-RcekŁe Rqnke{ Fkcnqiwg Ugtkgu cpf cu c I qxgtpqt hqt vjg Ecpcfkcp Ejcodgt qh Eqo ogteg kp Lcrcp (EEEL).

is a professor emeritus of political studies, Centre for Kpvgtpcvkqpcn cpf Fghgpeg Rqnke{ cv Swggpøu Wpkxgtukv{. J ku o quv tgegpv dqqm is *Canada Alone: Navigating the Post-American World* (Fwpfwtp Rtguu, 2023).

ku cp gzrgtkgpegf pcvkqpcn ugewtkv{ rtcevkvkqpgt. Chvgt uvwf{kpi kpvgtpcvkqpcn tgncvkqpu cv Wpkxgtukv² Ncxcn, jg yqtmgf hqt enqug vq c fgecfg cu a civil servant, serving (inter alia) as an analyst at the Department of National

Defence and the Department of Foreign Affairs as a nuclear non-proliferation urgekenkuv. Jg jcu enuq yqtmgf cu c ugpkqt cfxkuqt vq vjg okpkuvgt qh pevkqpen defence; he was twice director of policy for the minister of foreign affairs; and jg ugtxgf cu vjg hqtgk ip chhektu epf pevkqpen ugewtkv{ cfxkuqt vq Rtk og Okpkuvgt Uvgr jgp J ctrgt.

is a professor emeritus of political science at Carleton Unixgtukv{ cpf c ugpkqt hgnnqy, Kpuvkvwyg hqt Rgceg cpf Fkrnqoce{. Jg jcu ytkvygp ykfgn{ qp Ecpcfcøu tgncvkqpu ykvj Ejkpc.