The purpose of this amendment is to
- distribute questions (Q) and answers (A) respecting the CFP; and
- modify (if applicable) the CFP as detailed in Section B.

Section A – Qs & As

Questions (Q) and Answers (A) Unanswered Question from Amendment 3b	
No.	**Content**
22	Question. In terms of questions for the bidder's conference, (1) What are the expected timelines for the evaluation / award / start of work? (1.1) Of particular interest, If awarded a project, can we align the project timelines with University schedules? I.e. most universities start in September, and have an 8 month education cycle. Would the crown consider starting projects at the beginning of the terms, and extending the '1a' phase for 6 months over an 8 month period? (2) Part 1a is divided into Milestone 1 and 2. Is the intent of the crown to divide that at approximately 50% through the timeline? Would, for example, 1/3rd and 2/3rds be acceptable? (3) The costs of the project may differ depending on the geographic location of the Technical Authority, and other DND resources. How would the crown suggest we budget for meetings? (4) Could the crown provide editable (MS-Excel) versions of the tables? For example the more sophisticated tables on pages 52, 54, 57, 62, 67, and 70?
	Answer. 1. Canada is unable to provide an anticipated schedule for contract award. 1.1 Timelines from evaluation of proposals and awards of contracts are based on the volume of submissions received. IDEaS has arranged suitable internal and external capacity for evaluations, streamlined its process and worked to reduce the administrative burden in all its processes. Selected proposals will move to contracting with PSPC at the first opportunity. 2. It is the programmatic intent to divide the Component 1a timeline into two equal parts as a default to enable a more effective process planning and tracking process. The work must be divided into Milestone 1 and Milestone 2 with the requirement that the cost Proposal for Milestone 1 is no greater than 50% of the total cost for Milestones 1 and 2, combined. 3. If the Bidder proposes a meeting location for which travel is required, the cost of travel must be included with the bid and will be adjusted according, based on the actuals, during the contract negotiation phase. The Technical Authority, and other DND resources will travel at their discretion and only if required (with virtual present being the preferred option). All travel and living expense will be in accordance section 3.5 Eligible Costs of the solicitation document.

	4. No. Bidders must submit their proposal using the electronic Proposal Submission Form at https://ideas-cp.fluidreview.com/?l=en. In order to complete and submit a proposal, Bidders must first register with the online submission system and obtain a username and password.
24-2	Question. With regards to the challenge in light-weight body armor design: 2. If a company is involved, do you know if that company is eligible to leverage their funding through NSERC or MITACS?
	Answer. Please refer to NSERC and MITACS Programs. For this CFP IDEaS program is paying 100% for the project proposed up to the limit identified.
26	Question. Multiple projects hinge on novel means of collecting physiological signals in the field. Is there a clear telehealth regulatory standard to conform to?
	Answer. Section 4.7 of the CFP explains Human and Animal Ethics. All projects should comply with Tri-Council Policy Statement 2: Ethical Conduct for Research Involving Humans. Any work funded under IDEaS for this CFP is to be conducted by external participants and it is their responsibility to have any research involving human subjects approved by a Tri-Council accredited Ethics Review Board within their lines of authority.
28	Question. Is there an established policy on wearable (and mobile) embedded Artificial Intelligence (AI) in research with human subjects?
	Answer. Please refer to question 26
33	Question. Can a bidder participate in two different proposals once as a main participant and as a collaborator for the second?
	Answer. Yes.
36	Question. I am writing on behalf of a post-secondary institution (PSI) with a mandate of applied research, education and training of public safety and security professionals in British Columbia and the rest of Canada. My message is regarding our intention to apply for the first call for proposals of the Department of National Defence IDEaS program. After the webinar offered last Thursday, April 19 by DND, my questions are to ensure that our proposal would fit appropriately under S&T Challenge 1 – Understanding and addressing Post-Traumatic Stress Disorder (PTSD).

	The proposal of PSI aims to expand the use and share the model of an online resilience program for first responders ..... the scope of eligibility under IDEaS, we will not propose it within the context of this CFP.
	Answer. It is up to the bidder to determine whether or not their proposed solution aligns with the CFP requirements, including the S&T challenge as outlined in Part 1, Attachment 1 of the CFP document.
38	**Question.** Are proposals subject to a public display? There are intellectual components in my proposal and I am concerned about its exposure.
	Answer. Individual proposals are treated as 3rd party information and governed by the Access to Information Act (http://justice.gc.ca/eng/trans/atip-aiprp/) and section 7.45 Disclosure of Information, of the supply manual (https://buyandsell.gc.ca/policy-and-guidelines/supply-manual/section/7/45). Information is only shard on a need to know basis, for example, the reviews on the bid evaluation team will need to see the proposal.
42	**Question.** Multiple projects hinge on novel means of collecting physiological signals in the field. Is there a clear telehealth regulatory standard to conform to?
	Answer. Section 4.7 of the CFP explains Human and Animal Ethics. All projects should comply with Tri-Council Policy Statement 2: Ethical Conduct for Research Involving Humans. Any work funded under IDEaS for this CFP is to be conducted by external participants and it is their responsibility to have any research involving human subjects approved by a Tri-Council accredited Ethics Review Board within their lines of authority.
43	**Question.** Is there a different weighting of solutions for wearable/mobile tools for long-term deployment in the field, versus instrumentation for short-term studies in clinical settings?
	Answer. Both will be considered and all will be evaluated using criteria stated in the CFP.
44	**Question.** Is there an established policy on wearable (and mobile) embedded Artificial Intelligence (AI) in research with human subjects?
	Answer. Section 4.7 of the CFP explains Human and Animal Ethics. All projects should comply with Tri-Council Policy Statement 2: Ethical Conduct for Research Involving Humans. Any work funded under IDEaS for this CFP is to be conducted by external participants and it is their responsibility to have any research involving human subjects approved by a Tri-Council accredited Ethics Review Board within their lines of authority.
45	**Question.** Is there a broader requirement for a novel wearable/embedded data security hardware platform for use with multiple projects?
	Answer. All current requirements are outlined in the 16 S&T Challenges that are included in this CFP. Bidders are encouraged to regularly consult the IDEaS website for upcoming and future opportunities.

50	Question. Is the IP treatment different wrt each IDEas stage (1a, 1b, 2 - 4)?
	Answer. For 1a, IP provisions in General Conditions 2040 (2016-04-04) 'Contract to own' will be used. 1b, 2-4 will most likely utilise the same IP clauses, unless the proposed work and resulting deliverable are of a sensitive nature and it would been in Canada's best interest to keep the IP. (example - national security).
56-57	Question. The costs of the project may differ depending on the geographic location of the Technical Authority, and other DND resources. How would the crown suggest we budget for meetings?
	Answer. If the Bidder proposes a meeting location for which travel is required, the cost of travel must be included with the bid and will be adjusted according, based on the actuals, during the contract negotiation phase. The Technical Authority, and other DND resources will travel at their discretion and only if required (with virtual present being the preferred option). All travel and living expense will be in accordance section 3.5 Eligible Costs of the solicitation document.
59	Question. Is the solution expected for Internet based networks only?
	Answer. The focus is primarily on Internet-based networks but that does not eliminate potential solutions aimed for non-Internet networks, such as non-Internet SCADA or IOT systems, wireless, or large environment where attribution is made difficult by constraints such as NATing.
60	Question. Is it expected to provide a solution for general Internet/cyber-space for Canadian citizens, or is it limited to mission critical infrastructure like military networks, nuclear facilities or proprietary company's networks?
	Answer. The mandate of DND/CAF in the cyber domain is analogous to other domain such as Air, Sea and Land whereby DND/CAF may be called to assist civil powers, project power internationally, and defend Canadians and their properties. The challenge of attribution and its accuracy increases as the scope of these potential missions increases from military systems to global operations. We are interested in innovations touching on all these scopes of cyber attribution.
61.	Question. For S&T challenge number 16 (Cyber Attribution for the Defence of Canada), is it expected that the solution be provided for specific Internet applications e.g. emails, or should it be applicable to all Internet based applications?
	Answer. The challenge is broad but, at the same time, it is unlikely that there would be a one-size-fits-all solution. Thus potential solutions that address a subset of applications could be considered. As examples, attributing email-based threats, code and binary files, attributing SMS, DDOS, UDP based application such as DND or NTP traffic, etc.
62.	Question. For S&T challenge number 16 (Cyber Attribution for the Defence of Canada), does the solution require attribution of "Insider Threats" along with other threats or is it expected for general Internet networks only? Particularly, is it expected to provide attribution of host based threats or network based threats or both?

	Answer. The challenges aims at attribution both internally, externally, and globally, with accuracy. We are interested in solutions able to improve attribution of cyber threat in scenarios such as Denial of Service attacks, as much as malware campaign and insider activities in a large IM/IT environment.
64.	Question. Is there a requirement for a government lead for this program or can the lead institution be an educational institute?
	Answer. There is no requirement for a government lead and an educational institute can submit a bid.
67.	Question. The backgrounder of the program indicates that results will be announced in the fall of 2018. Should the proposal accordingly describe its milestones and timelines from a specific month (e.g., start date in October) or rather indicate Month 1, Month 2, etc.?
	Answer. The timeline of the project must align with CFP requirements, but bidders are free to propose a start date for the project.
71.	Question. If awarded a project, can we align the project timelines with University schedules? I.e. most universities start in September, and have an 8 month education cycle. Would the crown consider starting projects at the beginning of the terms, and extending the '1a' phase for 6 months over an 8 month period?
	Answer. The timeline of the project must align with CFP requirements, but bidders are free to propose a start date for the project.
75	Question. If a plan to use the service (as a subcontractor) of the University where I am employed (i.e. for the use of large equipment laser), would it represent a conflict of interest?
	Answer. This is an internal issue for resolution within the bidder's organization.
78	Question. As the current CFP is only for Component 1a (para 1.3 refers) to fund 16 Challenge areas to a maximum $200k/contract,how much actual funding is being allocated to this CFP? Knowing this will affect our decision to bid – or not.
	Answer. For this current CFP 1a, the current estimated cumulative total for all 16 challenges is up to 32M.
79	Question. Will the Bid Evaluation team be a single generic team for all 16 challenge areas or separate specialist teams for each Challenge? Knowing this will guide the level of detail and explanation when writing the bid.
	Answer. Each proposal will be evaluated by a subject matter experts specific to a challenge.
84	Question. How will the Test and Evaluation (T&E) of user needs and human performance issues be managed throughout challenge solution development?
	Answer. As every project is to be managed and delivered externally, it is up to the bidder to determine.
85	Question.

	The RFP states that for IDEaS Component 3 (Sandbox) SRL 6 T&E no funding will be provided. Please identify categories of expenses for which bidders will be responsible? Will troops (i.e. appropriately experienced and trained end users) be provided at government expense?
	Answer. Sandboxes represents an opportunity for innovators to respond to a call for proposals and propose to demonstrate their innovation to subject matter experts and other members of the Department in a facilitated environment. Innovators will not be compensated for their participation in these opportunities. The development of Sandboxes element is in progress and further information will be available at a later date.
86	**Question.** Regarding Challenge 3) Cognitive Performance Enhancement 　　1.　What are the expectations for the capabilities of augmented reality platforms, especially in relation to military environments? 　　2.　How would those capabilities impact the possibility of moving through the transition phases of the program?
	Answer. As per the CFP, innovators are to propose work that provides solutions in whole or in part to the published challenge. The challenges intentionally does not describe the specific capabilities nor the environment for usage. At the SRL proposed in the CFP, the proposals should be in the SRL 1-6 range.
87	**Question.** Regarding Challenge 15) Making Sense of Chatter - will data be provided, or is collection expected to be part of a submitted proposal?
	Answer. No, data will not be provided. As every project is to be managed and delivered externally, it is up to the bidder to determine.
89	**Question.** Does Challenge 6 – Detection and Classification of Objects of Interest – include detection and classification of underwater objects such as submarines and UUVs?
	Answer. Challenge 6 – Detection and Classification of Objects of Interest – does not include detection and classification of underwater objects such as submarines and UUVs. The Challenge Statement, and Background and Context paragraphs are specify the soldier or emergency responder as the intended audience. Furthermore, this challenge seeks to go beyond detection and classification of objects of interest but rather to track, cross cue and hand over objects of interest to multiple sensors to enable operations in complex environments such as urban settings.
90	**Question.** In Section 1.6 of the CFP is stated that: "There will be no security requirements associated with the resulting contract(s) for Component 1a." However, in Section 6.1 of the same CFP it is stated that : "Contractors may be required to possess valid security clearances, depending on the nature of the project, in order to have access to information and/or sites necessary for its execution". Can you confirm that there will be no security requirements associated with the resulting contract(s) for Component 1a and that Section 6.1 refers only to subsequent contracts from components 1b, 2 or 4?
	Answer. There will be no security requirements associated with the resulting contract(s) for Component 1a, however, Suppliers of successful solutions from Component 1a may be invited to participate in Component 1b. Suppliers of successful solutions from Component 1b may then be invited to

	participate in Component 2 and/or Component 3 and/or Component 4 at a later undetermined date. It is possible that there will be security requirement associated with the subsequent components.
97	Question. Section 2.2 indicates that proposals will remain open for acceptance for nine months from the date of proposal submission. What is the current expected time, however, between bid submission for Category 1a (24 May) and notification of award?
	Answer. See Q & A Question 70
99	Question. Can you verify there no restrictions that would prevent IDEaS federal funding being used to support the data acquisition and analyses that would be carried out by an agency of the GOC?
	Answer. See Q & A Question 98

Section B – Modification(s) to the CFP

Nil.