

Advance Contract Award Notice (ACAN)

Title: ISS Multilateral Space Medicine Board and Clinical Support to Operational Space Medicine

9F008-20160647

1. Advance Contract Award Notice (ACAN)

An ACAN is a public notice indicating to the supplier community that a department or agency intends to award a contract for goods, services or construction to a pre-identified supplier, thereby allowing other suppliers to signal their interest in bidding, by submitting a statement of capabilities. If no supplier submits a statement of capabilities that meets the requirements set out in the ACAN, on or before the closing date stated in the ACAN, the contracting officer may then proceed with the award to the pre-identified supplier.

2. Definition of the requirement

1.0 Purpose

The principle mandate of the Canadian Space Agency's (CSA) Operational Space Medicine (OSM) group is to ensure the health and wellbeing of Canadian astronauts through all phases of spaceflight and to fulfill CSA obligations under the International Space Station (ISS) Inter-governmental agreement between the CSA and NASA.

The CSA's OSM group requires contract support to provide clinical support services and to serve on a variety of ISS Multilateral Medical Panels and Boards as well as to provide expert advice to the OSM group in the area of Medical Selection and Retention and other clinical and operational space medicine related matters.

2.0 Objective

The main objective of the contractor is to participate in the ISS Multilateral Space Medicine Board (MSMB) as well as to provide expert advice to the Chief Medical Officer, OSM, as well as the CSA flight surgeon on clinical and operational space medicine matters.

3.0 Scope of the Work

- 1) The consultant will be required to provide any of the following tasks:
 - a) Participation in the ISS Multilateral Space Medicine Board (MSMB) (videoconference, teleconference or in person);

- b) Participation in ISS Program related meetings, conferences and workshops;
 - c) Participation in working groups, boards and panels other than ISS MSMB: teleconferences, videoconferences, and face-to-face meetings (some meetings will require international travel);
 - d) Periodic examination of Canadian Astronauts at DRDC-Toronto as required;
 - e) Medical certification of Canadian Astronauts for spaceflight and presentation to appropriate Medical Boards;
 - f) Participate as required in the CSA Medical Board activities;
 - g) Represent and communicate the policy direction and opinions expressed by the Chief, Operational Space Medicine.
- 2) Other clinical duties and operational medical support as directed by the Chief, Operational Space Medicine.

4.0 Deliverables

The contractor is responsible for the following deliverables to the Scientific Authority:

Monthly summary of activities performed on behalf of the CSA;

- 1) Copies of minutes of the meetings, tele/videoconferences attended, presentations, medical reports;
- 2) Advice (by e-mail, phone or in person) to the Chief, Operational Space Medicine as well as OSM staff on issues related to ISS clinical and medical support
- 3) Other required deliverables to be specified on request.

3. Criteria for assessment of the Statement of Capabilities (Minimum Essential Requirements)

In order to successfully perform the required work, the consultant must:

- 1. Have a licence to practice medicine in Canada,
- 2. Have at least 3 years of work experience in the area of occupational medicine in general and in space medicine in particular,
- 3. Be knowledgeable of the ISS program in general and the ISS medical program in particular,
- 4. Have at least 3 years of work experience in developing evidence-based medical reviews;
- 5. Have at least 3 years of work experience in the medical selection, retention and certification of astronauts for spaceflight,
- 6. Have experience with participation in international forums (international working groups or panels),
- 7. Have the interpersonal skills required to work in an international forum in order to be able to lead discussions and bring colleagues to a consensus.

4. Justification for the Pre-Identified Supplier

The CSA OSM needs a medical doctor who is fully knowledgeable of the ISS operational environment and medical standards, who has expertise in clinical space medicine, has the experience necessary to medically select and certify astronauts for spaceflight, develop evidence based reviews with regard to astronaut medical selection and retention matters, and who has established trusting and cordial relationships with the ISS Space Medicine Board counterparts of ISS Partner agencies.

Dr. Gary Gray is a Fellow of the Royal College in Internal Medicine with a subspecialty practice in aerospace medicine spanning 38 years. He continues to practice aerospace medicine, after retiring from the Canadian Forces following a 28 career. He has been involved in the Canadian astronaut program since its inception in 1983, when he was assigned as an Air Force Flight Surgeon to oversee the selection of the initial 6 astronauts. Assigned by the Canadian Forces Surgeon General, he continued to provide aeromedical support to the Canadian astronaut program as the primary astronaut physician until CSA Operational Space Medicine was initiated in 1998. As the assigned Canadian Forces Flight Surgeon, Dr. Gray managed the medical selection process of the 1983 and 1992 astronaut selections, and was directly involved in the 2009 selection. He has represented CSA on various International Space Medicine Boards and Working Groups since their inception. As Chair of the Medical Standards Working Group, he was responsible for developing the Medical Standards documents which govern the medical certification of all ISS astronauts. He was a founding member of the Multilateral Space Medicine Board (MSMB) which certifies all ISS crewmembers, and he continues to be the CSA representative on the MSMB. Dr. Gray is highly respected in the ISS medical community, and his long-time experience and contacts within the ISS and overall aerospace medicine community are a great asset to the CSA. Dr. Gray was awarded the Order of Military Merit by the Governor General for his work in aircrew selection, the Ad Astra award by the Canadian Space Agency, the Franks award by the Canadian Society of Aviation Medicine, and the Lyster Award by the Aerospace Medicine Association in recognition of his significant contributions to the field of aerospace medicine.

5. Government Contracts Regulations Exception(s)

The following exception(s) to the Government Contracts Regulations is (are) invoked for this procurement under subsection 6(d) - only one person is capable of performing the work.

6. Ownership of Intellectual Property

Canada intends to retain ownership of any Foreground Intellectual Property arising out of the proposed contract on the basis that the main purpose of the contract is to generate knowledge and information for public dissemination.

7. Period of the proposed contract or delivery date

The proposed contract is from April 1st, 2017 till March 31, 2021.

8. Option to extend the contract period

The Contractor grants to government of Canada the irrevocable option to extend the term of this contract by four (4) years, one year at the time, under the same terms and conditions. Government of Canada may exercise this option at any time by sending a notice to the Contractor at least 30 calendar days prior to the contract expiry date.

9. Cost estimate of the proposed contract

The estimated value of the contract is:

Base Period: \$ 275,000.00 before tax (April 1, 2017 – March 31, 2021)

Option 1: \$ 75,000.00 before tax (April 1, 2021 – March 31, 2022)

Option 2: \$ 77,000.00 before tax (April 1, 2022 – March 31, 2023)

Option 3: \$ 79,000.00 before tax (April 1, 2023 – March 31, 2024)

Option 4: \$ 81,000.00 before tax (April 1, 2024 – March 31, 2025)

10. Name and address of the pre-identified supplier

Dr. Gary Gray
1133 Sheppard Ave W
Toronto, ON
M3K 2C9

11. Suppliers' right to submit a statement of capabilities

Suppliers who consider themselves fully qualified and available to provide the goods, services or construction services described in the ACAN may submit a statement of capabilities in writing to the contact person identified in this notice on or before the closing date of this notice. The statement of capabilities must clearly demonstrate how the supplier meets the advertised requirements.

12. Closing date for a submission of a statement of capabilities

The closing date and time for accepting statements of capabilities is February 21, 2017 at 2:00 p.m. EST.

13. Inquiries and submission of statements of capabilities are to be directed to:

Claudine Morin
Contracting officer, Procurement and contracts administration
Canadian Space Agency / Government of Canada
6767 route de l'aéroport
Saint-Hubert Québec
J3Y 8Y9
Phone: 450-926-4427
Fax: 450-926-4969
email: claudine.morin@canada.ca

The Canadian Space Agency is exempt from all of Canada's national and international trade agreements.

Suppliers who consider themselves fully qualified and available to provide the services/goods described herein, may submit a statement of capabilities in writing to the contact person identified in this Notice on or before the closing date of this Notice. The statement of capabilities must clearly demonstrate how the supplier meets the advertised requirements.

The file number, the CSA contact name and the closing date of the ACAN must appear on the outside of the envelope in block letters or, in the case of a facsimile transmission, on the covering page.

The Crown retains the right to negotiate with suppliers on any procurement. Documents may be submitted in either official language of Canada.