

Advance Contract Award Notice (ACAN)

Title: Technical & regulatory support of Canadian procedures related to the licensing of the CSA satellite and terrestrial networks

9F045-20160977

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

Technical and regulatory support for the various four phases of Canada's licensing Procedures for the licensing of the Agency's satellite networks. More specifically, the Procedures require the preparation of submissions to Innovation, Science and Economic Development Canada for the national licensing and International Telecommunication Union (ITU) notification of these satellite networks, including earth stations.

PHASE 1 - Submission of Letters of Intent to Innovation, Science and Economic Development providing all pertinent technical details on the satellite networks for their licensing under Canadian Laws, Regulations, and Policies and the requirements of the ITU Radio Regulations, Recommendations, and Rules of Procedure.

PHASE 2 - The preparation, validation, and submission to the ITU (via Industry Canada) of Advance Publication Information (API) for the Agency's satellite networks and earth station initiatives within a specified regulatory time limit. The API submission contains the information and satellite network characteristics required by the ITU to process and publish the information and to help other administrations identify potential interference to their satellite networks.

PHASE 3 – The resolution of difficulties with the satellite networks of other countries that have been identified by their administration as being affected before the API comment period expired. The more difficult problems may require meetings and direct negotiations

PHASE 4 - ITU detailed notification and domestic licensing of the final characteristics of the satellite networks. ITU notification is required for ongoing recognition and protection of the satellite networks. Domestic licensing is required for compliance with the provisions of the domestic Acts and Regulations. The ITU notifications are required for compliance with the ITU Convention and Radio Regulations.

GENERIC TECHNICAL SUPPORT

In support of these and related Agency requirements, including existing, planned, and future spectrum access and satellite network protection requirements, the contractor will participate, as required, in the work of key national and international decision-making bodies (e.g. CNO-ITU-R; CNO/CPC; RABC; CITELE and SFCG) to ensure that decisions taken and positions and proposals agreed for national regulatory/policy decision-making and ITU Conferences and Meetings meet the current and long-term requirements of the Agency - including the Agency's ability to respond to future Projects "as they arise" in terms of timely access to the Radio Frequency Spectrum. In order to accommodate the Agency's overall requirements support will be provided, as required, to help meet the spectrum access needs and requirements of the Space Science Services generally as identified by the Satellite Frequency Coordination Group (SFCG) of the World's Space Agencies (including CSA) and, the preparatory activities (national/international) for ITU Radiocommunication Conferences, Meetings, and related activities. Preparing formal draft contributions will also be required for CSA submission to the Canadian Preparatory Committees and to attend meetings of these committees in support thereof.

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

In order to successfully perform the required work, the **Supplier** must:

Have an extensive spectrum management experience of at least 10 years relevant to the requirements listed in section 2 above. The applicant must have participated actively to the International Communication Union (ITU) Radiocommunication regulatory process leading up to the World Radiocommunication Conference (WRC) for at least two complete consecutive regulatory cycles. The applicant must also be familiar with the ITU software suite (BR Soft) used to prepare the various filings at ITU.

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 to this Notice. The statement of capabilities must clearly demonstrate how the supplier meets the advertised requirements.

4. Justification for the Pre-Identified Supplier

Telesat Canada (Telesat), a recognized world leader in satellite service development and satellite applications innovation, has successfully provided the Canadian Space Agency (CSA) with consulting services on the frequency management aspects of CSA's satellite missions since 2000. The fact that several of CSA's satellites are presently operating, as planned, without being subject to serious radio interference from other networks or to notification difficulties with the ITU-R is a testament to the quality of consulting provided to CSA over the years.

Telesat has been implementing and operating satellite networks since the early 1970's, and has been heavily involved in both the WRC's (formerly WARC's) and ITU-R (formally CCIR) Study Group and Working Group activities over the last 30 years. In that activity Telesat Canada has become an expert in the application of the Radio Regulations and ITU-R Recommendations to implementing its satellites and those of its clients in ways that meet all ITU-R regulatory requirements, so that they are not subject to significant levels of interference from other Radiocommunication networks, and at the same time meet all the mission requirements of the networks.

Telesat past experience has been mainly in the coordination, notification, implementation, and operation of GSO satellites. Over the last decade Telesat has become an expert in this work involving non-GSO satellite networks, focusing on the radio-interference environments of low-earth-orbiting (LEO) satellite networks, the satellite networks of CSA. This is a very specialized knowledge, in which staff at Telesat Canada has become recognized world experts. This knowledge and experience can be fully brought to bear in the coordination, notification, and protection of CSA's satellite networks.

Telesat's experience over nearly four decades in satellite procurement, launch, and operation of satellite networks enables it to suggest ways that early CSA satellite designs can be modified if necessary to meet ITU regulations and yet carry out its mission in an effective and economic manner. This experience has been used to the advantage of CSA in the CASSIOPE, M3MSAT, RADARSAT-3 (aka RCM) satellite missions, and can be applied as necessary and appropriate in the upcoming missions such as RADARSAT-3 contingency filing, QEYSSAT, QUICKSAT, and CHINOOK.

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 July 1st, 2017 till June 30, 2018.

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 two (2) 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: \$ 225,000.00 before tax (July 1st, 2017 till June 30, 2018)

Option 1: \$ 200,000.00 before tax (July 1st, 2018 till June 30, 2019)

Option 2: \$ 175,000.00 before tax (July 1st, 2019 till June 30, 2020)

10. Name and address of the pre-identified supplier

TELESAT CANADA
1601, Telesat Court
Gloucester (Ontario)
K1B5P4

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 May 24, 2017 at 2:00 p.m. EDT.

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.