

Advance Contract Award Notice (ACAN)

[24-58009]

Purchase of Optical Telemetry and Measuring Wheelset Systems

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
The National Research Council of Canada, AST, has the requirement for the supply of an optical telemetry system and the supply of a measuring wheelset computer (MWSC) system that is compatible with existing PROSE systems.
3. Criteria for assessment of the Statement of Capabilities (Minimum Essential Requirements)

Any interested supplier must demonstrate by way of a statement of capabilities that its product/equipment/system (as appropriate) meets the following requirements:

The National Research Council Canada has a requirement for the supply of an optical telemetry system, which must meet all of the mandatory technical requirements as specified below.

The requirement must work and operate at all times in accordance with the following mandatory technical requirements:

- 2.5kHz per channel sample rate with a low pass, 6-pole Butterworth, 300Hz filter
- 0.05% linearity of electronics
- +/-10mV FS range (gain=1000)
- 24 input channels for 300 ohm strain gauges
- Optical, serial data output from rotating electronics
- Inductive excitation to rotating electronics
- Telemetry must fit inside a 65mm bore
- Must be compatible with NRC owned PROSE, IWS computer

The National Research Council Canada has a requirement for the supply of a measuring wheelset computer (MWSC) system, which must meet all of the mandatory technical requirements as specified below.

The requirement must work and operate at all times in accordance with the following mandatory technical requirements:

- Most recent software version installed
- Compatible with 19" electronics rack
- Digital inputs for two P32/A telemetry units
- Power supply for two P32/A telemetry units (24 VDC)

- Run algorithm with custom IWS calibration factors, simultaneously for two IWSs and output real time resulting force, position and speed data with Ethercat protocol.
- Must be compatible with NRC owned P32/A telemetry units

4. Applicability of the trade agreement(s) to the procurement

This procurement is subject to the following trade agreement(s)

- Canadian Free Trade Agreement (CFTA)
- Revised World Trade Organization - Agreement on Government Procurement (WTO-AGP)
- Canada-European Union Comprehensive Economic and Trade Agreement (CETA)
- Comprehensive and Progressive Agreement for Trans-Pacific Partnership (CPTPP)
- Canada-Chile Free Trade Agreement (CCFTA)
- Canada-Colombia Free Trade Agreement
- Canada-Honduras Free Trade Agreement
- Canada-Korea Free Trade Agreement
- Canada-Panama Free Trade Agreement
- Canada-Peru Free Trade Agreement (CPFTA)
- Canada-United Kingdom Trade Continuity Agreement (Canada-UK TCA)
- Canada-Ukraine Free Trade Agreement (CUFTA)

5. Justification for the Pre-Identified Supplier

TUV SUD Rail GmbH is the only vendor licensed to provide this equipment worldwide. The systems are produced by RTM GmbH (Rainer Thomas Messtechnik GmbH).

6. 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"

7. Exclusions and/or Limited Tendering Reasons

The following exclusion(s) and/or limited tendering reasons are invoked under the:

- a. Canadian Free Trade Agreement (CFTA) – Article 513 (1) (b) (iii): due to an absence of competition for technical reasons;
- b. World Trade Organization - Agreement on Government Procurement (WTO-AGP) – Article XIII (b) (iii): due to an absence of competition for technical reasons;
- c. Canada-European Union Comprehensive Economic and Trade Agreement (CETA) – Article 19.12 (b) (iii): due to an absence of competition for technical reasons;
- d. Comprehensive and Progressive Agreement for Trans-Pacific Partnership (CPTPP) – Article 15.10 (2) (b) (iii): due to an absence of competition for technical reasons;
- e. Canada-Chile Free Trade Agreement (CCFTA) – Article Kbis-16 (2) (c): necessary to protect intellectual property;
- f. Canada-Colombia Free Trade Agreement – Article 1409 (1) (b) (iii): due to an absence of competition for technical reasons;
- g. Canada-Honduras Free Trade Agreement – Article 17.11 (2) (b) (iii): due to an absence of competition for technical reasons;
- h. Canada-Korea Free Trade Agreement – referencing the WTO Protocol Amending the GPA, Article XIII (1) (b) (iii): due to an absence of competition for technical reasons;

- i. Canada-Panama Free Trade Agreement – Article 16.10 (1) (b) (iii): because of the absence of competition for technical reasons;
- j. Canada-Peru Free Trade Agreement (CPFTA) –Article 1409 (1) (b) (iii): due to an absence of competition for technical reasons;
- k. Canada-Ukraine Free Trade Agreement (CUFTA) – Annex 10-6 (2) (a): any form of preference, including set asides, to benefit micro, small and medium enterprises; and
- l. Canada-United Kingdom Trade Continuity Agreement: refer to CETA as the provisions of CETA are incorporated by reference into and made part of this Agreement. (CETA) Article 19.12 (b) (iii).

8. The systems are to be delivered on/before September 30, 2024. Optional quantities, (1 of the optical telemetry system) should be delivered within 180 days of exercising the option.

9. The estimated value of the contract, including option, is \$246,894.90 CAD.

10. Name and address of the pre-identified supplier

TUV SUD Rail GmbH,
Rolling Stock Test Centre
Colditzstrabe 28
12099 Berlin Germany

11. 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. The closing date and time for accepting statements of capabilities is April 29, 2024 at 2:00 EDT.

13. Inquiries and submission of statements of capabilities

Inquiries and statements of capabilities are to be directed to:
Carol Cooper, Senior Contracting Officer

Telephone: 902 293 8053
E-mail: carol.cooper@nrc-cnrc.gc.ca