

Innovative Solutions Canada Program

Challenge EN578-170003/01: Artificial Intelligence and Big Data Analytics for Advanced Autonomous Space Systems

Amendment 003

This amendment is raised to answer bidder questions.

Question #7

Since Telemetry Data is one of the application areas as mentioned in the RFP, can we assume CSA will be able to provide the winning proposal teams with “historical telemetry data from few Canadian satellite missions”? The reason we emphasize “few” is that the RFP requires multi-mission (or across mission) solutions.

And if YES:

- Telemetry data from which spacecraft subsystems can be provided (e.g. attitude determination & control, orbital control, propulsion, payload, TT&C, power subsystem)?
- The historical telemetry data will belong to which time period? e.g. last 3-4 years, or 10 years ago, etc.?

Response #7

The Canadian Space Agency can only make available telemetry for missions that it directly operates (or operated) from its multi-mission satellite operations facility in St-Hubert (RADARSAT-1, SCISAT, NEOSAT, M3MSAT). When a satellite is operated by a commercial partner, they would need to provide the telemetry archives. These external telemetry archives could be eligible as an application area, but the bidder is responsible to make arrangements with the commercial operator. In the case of CSA-operated missions, the full telemetry archive (from launch until end-of-life) could be provided for all telemetry-generating subsystems, subject to security screening and signature of non-disclosure-agreement (NDA) as required. Note that “multi-mission (or across mission)” solutions are not mandatory.