

Innovative Solutions Canada Program

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

Amendment 002

This amendment is raised to answer bidder questions.

Question #6

In the Call for Proposals (CFP) for ARTIFICIAL INTELLIGENCE AND BIG DATA ANALYTICS FOR ADVANCED AUTONOMOUS SPACE SYSTEMS (EN578-170003/01), the stated challenge is to "apply artificial intelligence and big data analytics to bring tangible advancements in the operation and utilization of space assets in support of government operations, public safety, public health and discovery"

The text of the CFP suggests non-human flight systems data, but we are seeing (and expect to see) increasing volumes of human biophysiologic data in addition to on-board electro-mechanical systems data telemetry. AI-based analysis promises to support future space missions by establishing normal/non-normal human-spacecraft health states, including medical and monitoring and health state prediction. Do these applications fall under this current CFP?

Response #6

One of the primary objectives of Innovative Solutions Canada (ISC) is to grow Canadian small businesses by helping them to develop and commercialize truly ground breaking innovations. The Artificial Intelligence and Big Data Analytics for Advanced Autonomous Space Systems challenge is generally open to advancements in the operation and utilization of space assets including Life Sciences applications. It's up to Canadian innovators to decide whether they wish to propose a solution that leverages human biophysiologic data in a way that could directly address the challenge.