

## **Border Solutions Group**

Border Solutions Group (BSG) is a consultancy formed to support U.S.-Canadian (CANUS) border integrity and integrated border enforcement partnerships, and the research, development, test and evaluation (RDT&E), operational integration, and deployment of border security technology. Experienced in working on the CANUS border with command, control, communications, intelligence, surveillance and reconnaissance (C3ISR) technology developers, science and technology (S&T) agencies, and law enforcement, public safety and homeland security agencies at all levels of government, BSG can support RDT&E programs from requirements analysis through concept of operations (CONOPS) development and proof-of-concept demonstrations, to operational evaluation and the development of technology testbeds on the northern border. The unique working relationships that BSG has developed in the Canadian public and private sectors will allow C3ISR technology developers and sponsoring agencies to explore opportunities to coordinate development across the border and to build international support and markets as well. Examples of Canadian Federal and national level agencies and organization that BSG has worked with include:

- Royal Canadian Mounted Police (RCMP) including Integrated Border Enforcement Teams (IBET),
- Defence Canada – including Defence R&D Canada (DRDC) and the Centre for Security Science (CSS),
- Natural Resources Canada (NRCAN)
- Public Safety Canada (PSC)
- National Research Council Canada
- Canadian Interoperable Technology Interest Group (CITIG)
- Canadian Aeronautics and Space Institute (CASI) and the Canadian Remote Sensing Society (CRS)

BSG works with practitioners and agencies in the field and at the headquarters level to help technology developers understand operational and environmental requirements, evaluate their technologies under real-world conditions, and adapt their technologies to provide better products for the CANUS border.

In addition to RDT&E support, BSG has experience in working with agencies and partners on both sides of the CANUS border to build the capacity to support C3ISR technology when it is deployed. Exploring infrastructure requirements and developing the capacity that will support C3ISR deployment is critical to the ability to transition technology from the development stage to production. Just as our partnership with Canada is required to secure our common 5500 mile border, single agencies and even our Federal government can find it challenging to build and

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maintain all of the infrastructures required to support C3ISR along the vast expanse of our northern border.

Unique opportunities exist to identify and reach out to cross-border programs in allied disciplines with similar C3ISR and infrastructure requirements. Examples of infrastructures that can be used by multiple stakeholder communities include communications and sensor networks, power, and geospatial data production, modeling and dissemination. BSG has worked across the CANUS border with public and private sector organizations in multiple disciplines, including public safety communications, monitoring and protection of critical infrastructure and the environment, cargo security, intelligent transportations systems, and search and rescue. These disciplines share technology and infrastructure requirements with border security and maritime domain awareness. Exploring partnership opportunities through Border Security Technology Consortium pilot projects can advance Department of Homeland Security objectives and support the development of integrated border enforcement capacity. BSG is here to help connect the dots.