Call for Innovation (CFI)

Advanced Analytics

Objective:
To identify and demonstrate innovative Advanced Analytics capabilities.

Requested Innovation:

- EDGE Innovation Network is seeking novel Advanced Analytics approaches and technologies. We are specifically looking for client or web services based products that provide users with enhanced data processing and exploitation capabilities. The objective is to provide users with significantly enhanced Intelligence, Surveillance and Reconnaissance (ISR) that is compatible with standard and sharable geospatial foundation (SSGF). A solution that supports high speed processing and exploitation capabilities and is designed to reduce forward deployed system footprints, and maximize the user information base at all echelons.

Respondents are requested to describe their Advanced Analytics product capabilities and respond to the questions below:

1. What support does your Advanced Analytics capability provide for distributed users in a network environment?

2. What support does your Advanced Analytics capability have for distributed processing and sharing of analytics results?

3. What is your method for analyzing and searching unstructured data?

4. What is the process for maintaining the unstructured data query configuration as new search criterion is developed by the Advanced Analytics user?

5. Describe aspects of your solution that constitute new, enhanced or leap-ahead ISR and geospatial enterprise capabilities.

6. Describe any multi-sensor capabilities (e.g. open systems, Weather) that your system is compatible with including standard protocols and data types.

7. Describe your display and reporting formats (e.g. geo-locational, tabulated, matrices, network diagrams, scatter charts etc.)

8. Describe how your Advanced Analytics capability can enhance collaboration through a shared display picture in a standardized, configurable, interoperable format that is viewable via web based interface.

9. Describe how your Advanced Analytics capability can fuse data elements into actionable information.

10. Has your Advanced Analytics capability achieved security accreditation and Approval Top Operate (ATO) in classified military programs? If not, what are likely challenges or obstacles do you foresee in achieving accreditation.

11. Describe how your Advanced Analytics capability can support operations in Disconnected Intermittent and Low-Bandwidth (DIL) environments.

12. Describe how your Advanced Analytics capability can integrate with the following emerging standards:

   - Standard and Sharable Geospatial Foundation (SSGF) common Map services
• Army Common Operating Environment (COE)

13. Describe how your Advanced Analytics capability supports Open Architecture modularity for:
   • Exposing capabilities as web services
   • Support for widgets built using the OZONE Widget Framework (OWF)
   • Displaying intelligence data and analytics reports on map sets shared by other applications
   • Accessing and sharing data with common shared databases
   • Support for scaled deployments (e.g. Web services, Clients and Servers)
   • Support for using shared services for the dissemination of data with other systems

14. Characterize the performance of your Advanced Analytics system and support for advanced computing techniques (e.g. parallel processing techniques, Advanced techniques for high-speed file access, In-memory processing capabilities etc.)

15. What distinguishing attributes or features does your advanced analytic solution provide?

Timeline and Instructions for Responses:
Please provide your innovative solutions in quad chart format or maximum three page white paper. Answer all 15 questions that are requested and include the number of your question with your answer. Please submit your responses to edgeinnovation@gd-ms.com by close of business March 24, 2015. The EDGE team will review submissions looking for holistic solutions and will follow up with you on potential demonstration times within 7 business days of receiving responses.

For Assistance with this CFI: Please contact Sheila Leone by email.

Learn More About the EDGE Innovation Network:
The EDGE® Innovation Network is a revolutionary model where industry, academia, and non-profit organizations, along with government entities, collaborate in an open community environment to rapidly deliver new technologies and innovative capabilities to military, government agencies, law enforcement personnel, first responders and end users of technology worldwide.
Our mission: Create and maintain an open environment where members and customers can characterize, nurture, develop and deliver current and emerging technologies and capabilities to equip a more mobile, better connected and better informed end-user. Read More

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