

USG GROUND COMBAT SYSTEMS (GCS) COMMON INFRASTRUCTURE ARCHITECTURE (GCIA) COMMUNITY OF INTEREST (COI) APPLICATION

REQUEST FOR TECHNICAL INPUT

This is an application to join the GCIA COI. Once granted, applicant will receive access to controlled unclassified files in order to provide technical feedback to the Government. Interested parties will ideally meet all of the requirements listed below in regard to areas of knowledge and experience.

While this application seeks technical contacts, all interested NAMC members are permitted to participate in the GCIA COI and related events.

PARTICIPATION REQUIREMENTS

- NAMC Membership (www.NAMConsortium.org)
- Technical knowledge/experience of MBSE and SysML diagrams
- Experience with vehicle architectures in one or more of the areas of: software, hardware, in-vehicle network, safety, cybersecurity
- Experience with data architectures (e.g., data model, data dictionary)

PARTICIPANT EXPECTATIONS

- The Government will share SysML models, MS Office, and PDF files documenting the architecture for comment, but will not be providing MBSE software for model access.
- The Government will adjudicate comments during the architecture development effort but may not provide individual responses.
- Any and all feedback provided to the Government shall be non-proprietary.

APPLICATION

NAMC members interested in participating in the GCIA COI are required to fill out the following application and submit to NAMC at Submissions@NAMConsortium.org.

Organization Name:

Organization Website:

Applicant Name:

Applicant Title:

Applicant Email:

Applicant Phone:

1. Please briefly state your interest in joining the GCIA COI:

2. Please briefly describe your individual technical experience/knowledge of MBSE and SysML diagrams (applicants may include a bio or resume/cv as an attachment):

3. Please briefly describe your individual experience in vehicle and/or data architectures:

4. Are you a US Person? ☐ Yes ☐ No

Applications will be reviewed to ensure compliance with NAMC membership requirements. Once cleared, the NAMC will notify the applicant of their inclusion in the GCIA COI and will provide them with instructions to access the files.

INFORMATION CONTROL

NAMC members may not distribute or share documentation made available through the GCIA COI with any third-party company or individual unless it has already been made publicly available. NAMC members are required to provide a current DD2345 Certification upon membership application which names a data custodian for your organization for Militarily Critical Technical Data and precludes non-U.S. persons from receiving such data. GCIA COI participation does not constitute approval by the Government to share data or material provided through the GCIA COI to subcontractors or consultants unless they too have been approved to join the GCIA COI. Participants are responsible for complying with all U.S. laws, rules and regulations, including antitrust and export control.

Applicant Certifies that the above information is true and correct and that they will not share any information made available to them through participation in the GCIA COI.

Applicant Signature:

USG GCIA OBJECTIVE ARCHITECTURE BACKGROUND

OBJECTIVE

- The Ground Combat Systems (GCS) Common Infrastructure Architecture (GCIA) is an open standard, developed by the US Government in conjunction with Industry. The current-GCIA version, 2.1, was released in March 2023. This Architecture model will enable novel implementation of current technologies, with the goal of allowing agile development and integration of new technology and



solutions to GCS systems and platforms developed with GCIA processes and interfaces. This will enable faster integration of new components onto GCIA enabled systems; reacting to obsolescence, advancing technology, or changes in Platform mission profiles while reducing Non-Recurring Engineering (NRE) and integration costs. The GCIA lays out standard interfaces within the model to be used in designing GCS Platform computer and network architectures, which enable modular and interoperable systems using open standardized interfaces. The GCIA will inform or cover areas including connectivity, safety, survivability, cybersecurity, and external systems. The continued evolution of and improvements to GCIA requires input from industry. This GCIA COI will enable critical open lines of communication with and feedback from Industry to Government, as the GCIA products evolve moving forward.