



U.S. ARMY COMBAT CAPABILITIES DEVELOPMENT COMMAND – GROUND VEHICLE SYSTEMS CENTER

Industry Days – Software Engineering Center (SEC)

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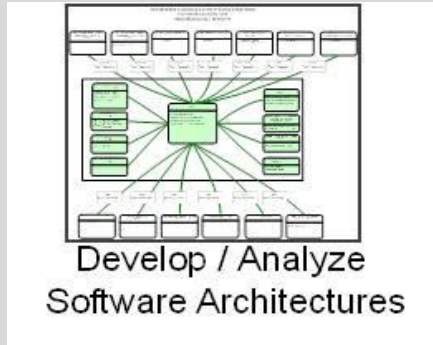
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GROUND VEHICLE SYSTEM CENTER - SEC Key Functions/Capabilities



Software Development



Software Architecture



Software Acquisition Support to PM's

Software Integration & Test



Continuous Process Improvement



Lifecycle Software Support



Full Life-Cycle Technical Support



Software Skills Utilized Within the SEC

- Software Project Engineering
- **Software Architecture**
- Software Process Improvement
- **Software Development**
- Software Test and Validation
- Product & Process Quality Assurance (PPQA)
- Software Assurance
- **Software Safety**
- **Artificial Intelligence**
- **Software Configuration Management (CM)**

RED Color Signifies Needs/Gaps



TECHNOLOGY FOCUS AREA: SEC



- **Tech Challenges 1: Software Safety**
 - Gap: Personnel with software safety experience
 - Barrier: Competition with commercial industry
 - Resolution Timing: Now
- **Tech Challenge 2: Artificial Intelligence**
 - Gap: Developers with experience in artificial intelligence systems
 - Barrier: Competition with commercial industry
 - Resolution Timing: Now
- **Tech Challenge 3: Software Architecture**
 - Gap: Personnel with military vehicle software systems architecture experience
 - Barrier: Specialized experience. Low supply.
 - Resolution Timing: Now

Investment Strategy

Existing Contracts FY 19/20

- DCS, BAH, Alion: Currently providing software developers and software architecture support.

Opportunities for Partnership FY19/20

- \$1.8M - \$3.4M for software support in above mentioned areas plus configuration management and general software development. Anticipate addition of 10 – 15 additional personnel depending on specific customer demand.



SOFTWARE ENGINEERING CENTER



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