



U.S. ARMY COMBAT CAPABILITIES DEVELOPMENT COMMAND

Sustainment Opportunities

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GVSC Sustainment Engineering Functions

- Initiate/Process Engineering Change Proposals (ECPs) and Revise Technical Data Packages (TDPs)/Drawings
- Field Inquiries/Field Support
 - Develop solutions and respond to field Issues
- Depot Programs (RESET, RECAP & Repower)
 - Evaluate engineering issues and provide viable/economical solutions
- Publication Support (Technical Input to Publications) – Safety of Use Message (SOU), PS Magazine and Maintenance Advisory Message (MAM)
- **Secondary Items Support (DLA/TACOM)**
 - Review TDPs for accuracy
 - Identify alternative sources
 - Support configuration management
 - Update TDPs to latest specifications
- **Safety and Special Kit Integration**
- **Contracting Officer Representative (COR) Services**
 - Prepare contract documents (Statements of work, Justification and Authorization for less than full and open competition, etc.) and manage reviews
- **Support TACOM Competition Mgmt Office**
 - Review Source Approval Requests and qualify additional sources
- **Obsolescence Management and Mitigation**
 - Proactive Obsolescence Management
 - Industrial Base Support
 - Reverse Engineering



SOURCE APPROVAL PROGRAM



- **The Source Approval Program (SAP) provides ways for suppliers to qualify and position themselves to compete for business on sole source or restricted spare parts**
 - SAP is managed by the Competition Management Office (CMO)
 - Enhances competition by qualifying additional vendors for parts
 - Onus is on the "offeror" of the part to demonstrate that their part provides the same fit, form and function of the part TACOM LCMC is currently procuring
- **Source Approval Request (SAR) Package Phase: Interested parties complete and submit a SAR Package to the Competition Management Office (CMO) for review and approval**
 - CMO manages the Replenishment Parts Purchased or Borrow Program (RPPOB), which allows interested parties to buy sample parts to aid in Package development
 - Requires approval by Engineering Support Activity (ESA) and program manager
 - Review process usually takes 30 to 90 days
- **Qualification and Testing Phase: Completing agreed-upon testing**
 - Takes at least a year (possibly more) before approval and eligibility status is granted for bidding on future procurements
 - Once approved, the new source can compete to supply parts (no guarantee of contract awards)
- **The CMO will assist throughout the process; full information available here: <https://www.tacom.army.mil/cmo/sap.html>**



QUALIFIED PRODUCT LIST (QPL)



- **For products specified in Military Specifications, approved products are on the associated Qualified Product List (QPL)**
- **Qualifications vary based on the specification, but may include:**
 - First Article Testing (FAT), potentially including on vehicle testing
 - Contractor Certification – testing or quality documentation provided by offeror
 - Period of qualification depends on product
- **Example Products:**
 - Petroleum, Oils, and Lubricants
 - Transparent Armor
 - Batteries
 - Track
- **POL Opportunities:**
 - MIL-PRF-32073 (Hydraulic Fluid, Biobased)
 - MIL-PRF-10924 (Grease, Automotive and Artillery)
 - MIL-DTL-53131 (Lubricating Oil, Precision Rolling Element Bearing, Polyalphaolefin Based)
- **Specifications and QPLs can be found on ASSIST:**
<https://quicksearch.dla.mil/>



OBSOLESCENCE ALTERNATIVES



Obsolescence Solutions (in order of preference)

- Approved Alternate
- Life of Need Buy
- Repair, Refurbishment, Reclamation
- Extension of production support
- Simple substitute
- Complex Substitute
- Development of a new item or source
- Redesign – Complex/System Replacement
- Redesign – Next Higher Assembly

Impact

Cost

Readiness



Less Adverse



More Adverse





REVERSE ENGINEERING PROCESS



- **For obsolete parts with no source of supply, reverse engineering is frequently the only option**
- **Process:**
 - All known information is gathered and a determination is made if the part can be cost effectively reverse or re-engineered internally
 - For parts that are better suited for industry, a solicitation will be posted
 - GVSC will provide as much information as possible for industry review, including end item and parts when available
 - When a contract is awarded, contractor is responsible for duplicating form, fit, and function; providing TDP; and supporting required testing
- **Example: Rough Terrain Container Handler (RTCH) ECUs**
 - Original version obsolete due to parent part obsolescence
 - Contract awarded through Automation Alley to re-engineer the form, fit, and function of the original ECUs
 - RTCH made available for understanding function of original ECUs and testing re-engineered components
 - Final testing completed at Aberdeen Test Center
 - TDP being finalized for possible competitive procurement



OPPORTUNITIES IN SUSTAINMENT



- Look for solicitations on FedBizOpps: <https://www.fbo.gov>
- Review the Competition Advocate's Shopping List (CASL): <https://www.tacom.army.mil/cmo.casl.html>
- Discuss capabilities and opportunities with Automation Alley
- Watch for DLA solicitations
 - DLA Land & Maritime
 - DLA Energy
 - DLA Aviation
 - For more information: <https://www.dla.mil/DoingBusinessWithDLA/>



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