



Flexible Computer Integrated Manufacturing (FCIM)

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AGENDA

- To define what Flexible Computer Integrated Manufacturing (FCIM) is.
- To provide the FCIM authorization.
- To discuss the role of the FCIM Program Manager
- To define what happens when a new requirement is identified.
- To address FCIM and it's connection with Contracting Opportunities On Line & Engineering Support Tools (COOLEST)
- To discuss the specific Army depots participating in this program.
- How does the process change for items not capable of depot Maintenance and Repair
- Commercial Technologies for Maintenance Activities (CTMA)
- FCIM Process Flow



What is FCIM?

- It is an improved business practice which reduces the cycle-time required to provide spare items to the field.
- It is used for cases where industry is non-responsive to DOD needs (i. e. low quantity, obsolete items, no source of supply or inadequate technical data)
- It fosters a closer link between design and manufacturing.
- It changes our business processes as well as technology improvement PDM (CENTRA 2000), RAMP and INERNET
- Information creation, revision and interchange.



AUTHORIZATION

- *Under The Arsenal Act 10 USC Sec.4532*
- TITLE 10 – Armed Forces
- Subtitle B – Army
- Part IV – Service, Supply, and Procurement
- Chapter 433 – Procurement
- Sec 4532.Factories and Arsenals
- STATUTE: The Secretary of the Army shall have supplies needed for the Army made in factories or arsenals owned by the United States so far as those factories or arsenals can make those supplies on an economical basis.



FCIM PROGRAM MANAGER

- All FCIM requirements must go through the FCIM office. This office will ensure that your work request is processed in a timely manner, the quote is accurate and the items are produced and delivered to your specifications.
- The FCIM program Office will review/evaluate any price increase and the justification.

What happens when a new requirement is identified?



- Once a new requirement is identified, Government facilities shall be given the opportunity to bid prior to implementing the procurement process.
- The Arsenal Act shall be implemented as follows:
 - Weapon System Team (WST) will be responsible for creating the COOLEST entry, preparing an Independent Government Estimate (IGE) and timely evaluation of bids.
 - Tobyhanna Army Depot (TYAD) will be responsible for annotating COOLEST website with their intent to bid or waive the requirement within 7 days of the COOLEST notification.



FCIM AND THE COOLEST PROCESS

- The depot will upload a bid to COOLEST within 30 days.
- If the WST accepts the bid an FCIM work request will be generated and forwarded to the FCIM POC.
- The COOLEST Team is working on establishing a simplified procedure for use when the WST knows that the depot is the only available source.



ARMY DEPOTS PARTICIPATING IN FCIM

- Tobyhanna (TYAD) ,Letterkenny Army Depot (LEAD) and Naval Air (NAVAIR) are three of the most visible participants in the FCIM program. We have the capability of working with any arsenals/depots that would fulfill our needs. The diversity of these organizations covers a large range of equipment, documented procedures, research and development along with the complete understanding of the Army's mission and goals.

ITEMS NOT CAPABLE OF DEPOT MANUFACTURE/REPAIR



- The WST needs to identify issues that would prevent the Depot bidding on the item
- Drawing, Tech Data or Proprietary issues need to be identified in the COOLEST drop-down menu to allow a rapid response from the depot
- If the WST wishes to bypass the Arsenal-Depot review process in COOLEST, to save ALT/PLT, written valid justification must be submitted and become part of the acquisition documentation

COMMERCIAL TECHNOLOGIES FOR MAINTENANCE ACTIVITIES



- Commercial Technologies for Maintenance Activities (CTMA) is a collaboration between the National Center for Manufacturing Sciences (NCMS), its member companies and the Department of Defense (DOD).
- Under a historic Cooperative Agreement between NCMS and DOD Office for Maintenance Policy, Programs and Resources, NCMS and its member companies co-sponsor technology development, deployment and validation with DOD organic maintenance activities.

COMMERCIAL TECHNOLOGIES FOR MAINTENANCE ACTIVITIES (Continued)



- The current focus is the use of manufacturing technologies to reduce the costs associated with maintenance and rebuild of weapons systems as an element of the overall DOD maintenance strategy.
- There is a monthly newsletter called “The CTMA Connector.” This newsletter highlights ongoing projects, serves as a forum for promoting new project ideas, and provides other news of interest to the program. Our goal is to stimulate your participation and solicit your input.

FCIM PROCESS FLOW

