

Legacy System Sustainment- CCA / Sub-system COTS Counterfeit Inspection & Risk Mitigation

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Aerospace / Defense systems are typically designed per contract requirements to have a useful service life of 15 to 20 years including obsolescence & design enhancement iterations, scheduled in 3 and 5 year increments. If the system meets and exceeds performance objectives (Combat proven), it is not unusual in the industry to extend useful life to 25, 35 even 45 years from the initial product introduction.

Useful life extension presents a host of challenges at the sub-system, module and CCA levels. Often times COTS assemblies become obsolete, prior to life extension contract negotiation & award. In this presentation we will review best practice inspection, assessment and risk mitigation techniques which are utilized when acquiring obsolete components and materiel from approved non-franchised distributors

Topics Covered-

1. Overview of NFD component acquisition, counterfeit Inspection methodologies & process
2. Review Various NFD sub-system examples:
 - Obsolete CCA incorporating multiple NFD components from an approved CCA supplier
 - A 1U rackmount server, acquired from a qualified NFD supplier
 - Sub-System example which includes a Mid-Range server, acquired from a qualified NFD supplier
3. Review the key findings of each sub-system assembly analysis
4. Summarize the challenges and best practice inspection and mitigation techniques