ERAI Executive Conference - Featured Training - Counterfeit Parts - Awareness

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About Carlo

Carlo Abesamis is a Quality Engineer with the Procurement Quality Assurance Group, Office of Safety and Mission Success at the Jet Propulsion Laboratory, NASA. He is responsible for developing the Supplier Corrective Action system at JPL. He leads teams in Process Audits and Quality Management Systems Audits at supplier sites. Lastly, he has also developed the electronics parts counterfeit awareness and inspection training at JPL which has been offered at JPL, other NASA Centers and Federal Agencies.

Lori Risse
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About Lori

Lori graduated from Cal State University, Northridge with a bachelor’s degree in electrical engineering. She worked at JPL as a member of the technical staff in Spacecraft Data Systems. Since that time, she has held positions as an Applications Engineer, Project Manager, and
Marketing Specialist for a manufacturer of industrial instrumentation. She has also worked for several years as an Account Manager for semiconductor distributors. Rejoining JPL 6 years ago, she works in Electronic Parts Engineering as a Project Parts Engineer, as well as providing Counterfeit Awareness and Avoidance training to NASA centers. Lori is the GIDEP Representative for JPL, and edits the EEE Parts Bulletin published by NEPAG. She is the recipient of a Team award for OCO-2, a Ranger award for the Grail project, as well as NASA Group Achievement awards for the Grail project and NEPAG.

**Workshop Title**

Counterfeit Parts Training - Awareness

**Overview**

The spread of counterfeit electronic components continues to grow within the global supply chain and has penetrated various governmental agencies including NASA and the US Department of Defense. The risk of counterfeit electronics being used in military equipment prompted an investigation by the Senate Armed Services Committee and aggressive legislation in the 2012 National Defense Authorization Act. NASA is responding to the issue through U.S. Congressional Act S.3729, authorizing NASA to plan, develop and implement a program to detect, track, catalog and reduce the number of counterfeit electronic parts in the NASA supply chain.

**Learning Objectives**

- Gain basic knowledge of the supply chain environment for EEE parts
- Gain familiarity with some of the methods used in counterfeiting
- Explore concepts regarding supply chain, risk mitigation, verification and inspection
- Present guidance for supplier selection and auditing processes
- Examine the concept of parts obsolescence and it’s relation to counterfeit parts risk
- Review verification and inspection processes for the detection of suspect parts
- Overview of pertinent United States legislation relative to counterfeit parts

This course uses IDEA-STD-1010-B, SAE AS5553 Standard Counterfeit Electronic Parts; Avoidance, Detection, Mitigation, and Disposition, and NPD 8730.2 NASA Parts Policy and the JPL Counterfeit Electronic Parts Control Program, Rev. 0 JPL Rules #78395 as references.

**Prerequisite:** None

**Length:** Approximately 4 hours