Andromeda SYSTEMS INCORPORATED

Your Supportability Teammate

LORA 101

Fundamentals of Level of Repair Analysis

An introduction to the Level of Repair Analysis (**LORA**) process as applied during Supportability Analysis. LORA is the principle process used to catalog economical repair/discard decisions for maintenance items as data is developed during the Acquisition Cycle of programs or systems.

This course provides instruction and practical application in performing LORA along with instruction on not only when a LORA should be performed, but what data elements are required to ensure fidelity of the recommendations. PSA 101 prerequisite recommended.

WHO BENEFITS

Anyone in support of Product Support Analysis (PSA), including DoD, Military and Commercial organizations that manufacture or support high value and mission critical complex assets:

- Design and Reliability Engineers
- Logisticians
- Cost and budget personnel
- Maintenance Planners

WHAT YOU GAIN

- In depth understanding of the Level of Repair Analysis principles
- Understanding of economic and non-economic LORA considerations
- Experience developing/selection of the data elements for LORA models
- Learning sensitivity impacts of reliability and support structure considerations
- Understanding of sensitivity analysis to identify the impact of reliability and support structure considerations

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Level of Repair Analysis (LORA 101) Course Overview

LORA 101

This course provides 3 days of classroom instruction for a total of 24 training hours. The course incorporates instruction, demonstrations, and discussions supported by real world lessons learned and includes: training materials, lectures, supported by on-screen presentations, demonstrations, large group discussions, and a reference library of useful information and data.

This modular course has six instructional modules of varying lengths beginning with the introduction to Level of Repair Analysis and progresses through the remaining modules to provide a solid foundation of knowledge in today's current developments and requirements for LORA. The course curriculum is provided below:

Unit 1: Introduction to Level of Repair Analysis (LORA 101)

- Purpose of LORA
- Definition of Level of Repair Analysis (LORA)
- LORA Objectives
- Tailoring LORA Programs

Unit 2: LORA in the Program Life Cycle

- Maintenance Planning Initiation
- Logistics Control Numbers (LCN)
- Source Maintenance & Recoverability Coding (SM&R)
- LORA in Sustainment

Unit 3: LORA Program Activities

- List the LORA Program Activities
- Why and how to do a LORA Program Plan
- In-service and New Acquisition
  LORA Candidate Selection Criteria
- LORA Evaluations

Unit 4: Data & Evaluations

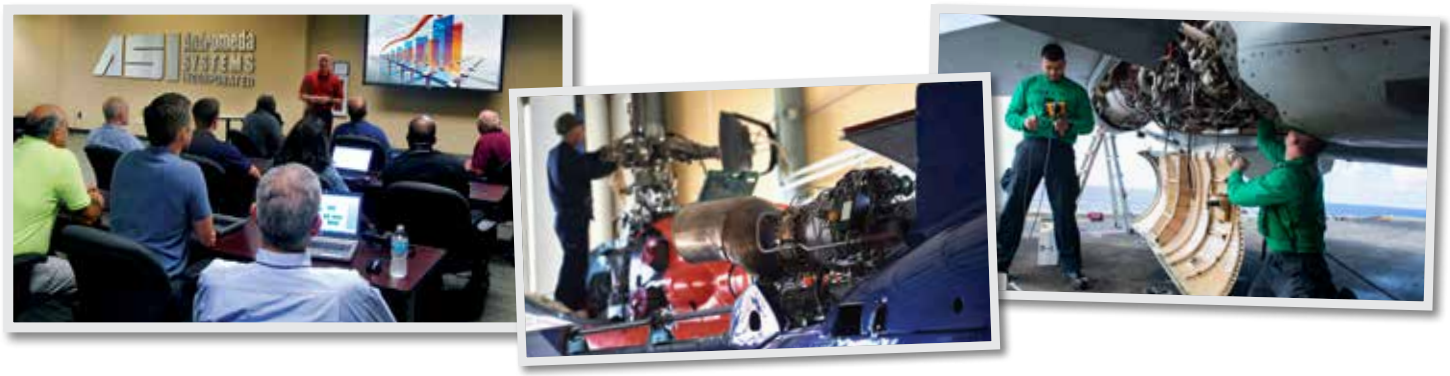
- Key data input considerations
- Identifying and collecting input data
- Data Sources and Evaluations
- Economic LORA
- Non-Economic LORA
- Contracting for LORA

Unit 5: Data Mining for LORA and Class Exercise

- LORA Data Mining
- Overview of LORA Data Gathering Processes

Unit 6: LORA Modeling Tools

- The Ten Rules of Modeling
- Model Overviews:
  - COMPASS
  - OPUS10®



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