Nutshell Learning

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Course Title: Product Assurance - Integrated Logistics Support

Duration: **2 days**

Presenter: **Adrian Stephan**

Objectives & Benefits:

The objective of this Product Assurance-Integrated Logistics Support (PA-ILS) course is to give you the range and depth of skills to understand the why and how of product assurance using an ILS/LSA framework. The course will show how Integrated Logistics Support (ILS) and Logistic Support Analysis (LSA) are applied to the product assurance decision analysis for complex systems of equipment. Someone, irrespective of the product assurance strategy, must do these tasks. It is important to know what work needs to be done so that the product can be supported throughout its useful life.

After completing this workshop you will be able to:

- Understand the product assurance processes and how they link to ILS.
- Understand the range and depth of elements in the logistics systems.
- Analyse the three key product phases: Introduction, Operational and Ageing.
- Be familiar with key calculations and measures of performance.
- Record the results of product assurance activities for planning.
- Prepare a useful life product assurance guideline for the product.

Course Outline:

Primer Session

- Customer requirements, CONOPS, use study
- Impact of operational situation – acquisition & sustainment
- Key financial & economic practices
- Key statistical practices

Scope of PA/ILS/LSA

- Product assurance processes, technologies application
- ILS application practices & processes
- LSA application practices & processes

Performance Measurement

- Reliability, Maintainability, Availability, etc
- Supportability: critical – non-critical criteria
- Performance Workshop

Risk Management

- Vulnerability, Threat, Resilience & Risk

Inventory

- Total Asset Visibility, PHS&T
- Spares Planning Workshop

Maintenance Planning

- FMECA, DMEA, FTA
- FRACAS, RCA
- Level of Repair Analysis
- Configuration & Change Management
- Hardware & Software: prime + organizational
- RCM, TPM, etc
- Maintenance Plan Development
- Resource Plan Development
- Maintenance & Resource Plans Development Workshop

Legacy & Age Management

- Obsolescence, DMSMS, Counterfeit parts
- Retention of technology, skills, documents, etc
- Through life checklist workshop – close the loop