



Integrated Product Support Practitioners Course

Course Outline

The course focusses on the principles of conducting Integrated Product Support (IPS) throughout the Materiel Product Life Cycle (PLC) and is aimed at providing students with a first principles overview of IPS. This understanding will enable students to work in a collaborative Logistic Support and Engineering environment in both acquisition and sustainment programs.

Students are guided through the concepts of IPS at different phases of the PLC and are also introduced to the principles of Logistics Support Analysis (LSA) activities which directly influence development of the IPS Elements, Support System Constituent Capabilities (SSCC) and the Fundamental Inputs to Capability (FIC) for Materiel programs. LSA topics introduced include: Maintenance Requirements Determination (MRD); Spares Optimisation; Training and Training Support Analysis; Level of Repair Analysis (LORA) and Life Cycle Cost Analysis (LCCA).

Throughout the course the experienced instructors will bring to life the theoretical knowledge with examples and scenarios to ensure students can relate and apply the knowledge to their individual workplace.

Target Audience

The target audience for this course includes the following Contracting and Defence Staff, either new or experienced ILS Personnel, or those wishing to gain a greater awareness of ILS or to 'refresh' their previous ILS knowledge:

- Program/Project Managers
- IPS Managers
- Engineering Staff
- Maintenance Staff
- Supply/ Procurement Staff
- Training and training development staff.

Course Delivery

The course is conducted over four (4) consecutive days as Online or Face-to-Face delivery:

- Public courses are conducted online, registration at: www.les.net.au/training_ils_practitioner_course.htm
- For group training or Face-to-Face training please contact LES Training Coordinator: Training@les.net.au
- Class sizes are a maximum of 20 students
- A Student Manual and Handouts are provided
- Completion Certificates are provided.*

Course Elements

The course includes (in no particular order):

- Integrated Product Support (IPS) – Why we do it
- Introduction to the (Australian) Defence Capability Framework
- The Capability / Product Life Cycle
- Introduction to the 12 Elements of IPS
- Introduction to DEF(AUST)5691 - *Logistics Support Analysis – Defence Standard*
- Introduction to DEF(AUST)5692 – *LSA Record Requirements for the ADO*
- Configuration Management
- Maintenance Requirements Determination (MRD) and how it influences IPS Elements, inclusive of the following:
 - Maintenance – An Overview
 - Principles of Reliability Availability and Maintainability (RAM)
 - Functions and Failures
 - Principles of Failure Modes Effect (and Criticality) analysis (FMEA/FMECA)
 - Principles of Reliability Centred Maintenance (RCM)
 - Principles of Maintenance Task Analysis (MTA)
 - Introduction to Level of Repair Analysis (LORA), and LORA Methodologies
- Principles of Spares Optimisation
- Introduction to S1000D and DEF(AUST)5630 - *Developing S1000D Interactive Electronic Technical Publications (IETP)*
- Codification & Cataloguing
- Technical Data Management
- Training and Training Support
- Life Cycle Costing (LCC).

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