

Spares Mobile Classroom

Airbus Material Management Seminars

Main Benefits



Fully customised training at your location



Optimising day-to-day operations



Reduce travel costs and resources



#destinationexpertise

Content

We want to provide flexible training options for our customers. Therefore, Airbus Material Management Seminars offers Customised courses at your preferred location. Please use the list of lessons below to choose your preferred content and course requirements to enable us to set-up a seminar tailored to your needs. Every lesson has a duration of minimum 45 minutes to maximum 120 minutes. The case studies have a duration of 120 minutes to 180 minutes.



Principles

Lesson	Topics included	Objectives	
Material Management Fundamentals	<ul style="list-style-type: none"> Material Management objectives Origin of material requirements Material categories Material Management players 	Gain a better understanding of Material Management terminology and definitions.	<input type="checkbox"/>
Material Management Documentation	<ul style="list-style-type: none"> Major maintenance related documents Document content and objectives 	Efficient use of online manuals and retrieval of airline and aircraft specific information.	<input type="checkbox"/>
Cost Awareness	<ul style="list-style-type: none"> Cost of Carry Cost Drivers Cost Analysis 	How to analyse and evaluate the cost drivers for different material categories.	<input type="checkbox"/>
Business Process Management	<ul style="list-style-type: none"> Process mapping tools Supply chain and value stream mapping Process improvements through Key Performance Indicators (KPI) 	Explanation of the tools needed to map and standardise processes such as swim lane diagrams, stakeholder maps and KPIs.	<input type="checkbox"/>
Airworthiness Principles	<ul style="list-style-type: none"> Aviation authorities EASA Form 1 and equivalents Certification requirements 	Gain an understanding about airworthiness requirements in the aviation industry.	<input type="checkbox"/>



Trends

Lesson	Topics included	Objectives	
Material Management Trends	<ul style="list-style-type: none"> Global aviation trends Trends in the MRO business 	Raise awareness of the direct and indirect impacts of market trends in the aviation industry.	<input type="checkbox"/>
Digitalisation	<ul style="list-style-type: none"> Digital transformation Overview of technology trends Impact of digitalisation in Material Management 	An open exchange about how digitalisation will influence our ways of working in Material Management	<input type="checkbox"/>
Additive Manufacturing	<ul style="list-style-type: none"> Application of Additive Manufacturing (AM) in the aviation industry Overview of manufacturing processes and materials Business models and trends 	To take a look at the strategic aspects and manufacturing processes of Additive Manufacturing (3D Printing).	<input type="checkbox"/>



Planning

Lesson	Topics included	Objectives	
Introduction to Planning	<ul style="list-style-type: none"> Forecasting and planning approaches Basic statistics ABC/XYZ analysis 	To understand different planning approaches and the selection of appropriate mathematical models for different materials and clustering of parts.	<input type="checkbox"/>
Expendables Planning	<ul style="list-style-type: none"> Definition of lead time, lot size, safety stock & reorder point Consumption forecasting Replenishment models 	Getting to know the key drivers and the interdependencies of the parameters in expendables planning.	<input type="checkbox"/>
Rotables Planning	<ul style="list-style-type: none"> Mathematical model Parameters definition Mean Time Between Unscheduled Removals (MTBUR) Turnaround Time (TAT) 	To enhance the selection of planning parameters to determine optimum stock levels. Explore the impacting factors for rotables selection.	<input type="checkbox"/>
Maintenance Spares Forecasting	<ul style="list-style-type: none"> Aircraft maintenance framework Material demand in heavy maintenance Forecasting methods 	To gain an awareness of aircraft maintenance concepts that are key to understanding spares demand within the operational environment.	<input type="checkbox"/>



Material Sourcing

Lesson	Topics included	Objectives	
Spares Access Concepts	<ul style="list-style-type: none"> • Own Stock • Performance Based Services (Vendor Managed Inventory; Pooling) 	How to access spare parts: <ul style="list-style-type: none"> – Understanding of sourcing concepts and processes to enable better evaluation of risks and opportunities. 	<input type="checkbox"/>
Introduction to Supplier Management	<ul style="list-style-type: none"> • Supplier Landscape • NCage Codes • Vendor Information Manual (VIM) 	To gain an understanding of the supplier landscape and contractual framework.	<input type="checkbox"/>
Material Ordering	<ul style="list-style-type: none"> • Ordering process • Order priorities • Elements of purchase orders • Customer order fulfilment 	To enable the cost efficient use of order priorities, order placement and communication.	<input type="checkbox"/>
Provisioning Process & RSPL	<ul style="list-style-type: none"> • Provisioning process • Impact of provisioning parameters • Recommended Spare Parts List (RSPL) 	To enable the efficient use of provisioning documents and understanding of financial impact of parameters.	<input type="checkbox"/>
Tools & Ground Support Equipment	<ul style="list-style-type: none"> • Definitions and categories • Criticality of tools • Tools planning and sourcing 	To raise awareness of the criticality of tools and Ground Support Equipment (GSE).	<input type="checkbox"/>
Repair, Exchange and Lease	<ul style="list-style-type: none"> • Repair in aviation • Repair, Lease & Exchange processes • Turnaround Time (TAT) 	To focus on the repair of proprietary parts to reduce operational costs, as well as introducing other options i.e. spare part exchange and lease options.	<input type="checkbox"/>
Service Bulletins & Modification Kits	<ul style="list-style-type: none"> • Service Bulletins (SB) • Modification Kit definition and supply process 	To better understand and work with Service Bulletins (SB) and Modification Kits.	<input type="checkbox"/>



Logistics

Lesson	Topics included	Objectives	
Warehouse Management	<ul style="list-style-type: none"> • General requirements • Flow • Warehouse KPIs 	Learn about the key steps in warehouse material flow and measure performance with the right Key Performance Indicators (KPI's).	<input type="checkbox"/>
Transport Management	<ul style="list-style-type: none"> • Complexity in transport logistics • Incoterms • Key elements of 'Free CARRIER' (FCA) 	Understanding incoterms and the resulting responsibilities for buyers and sellers. Focus on FCA: Impact on the transport supply chain and key elements for successful handling.	<input type="checkbox"/>



Case Studies

AOG Case Study	Welcome on-board Utopia Airways! The aim of this hands-on simulation is to discover all the steps involved in urgently procuring spare parts to support the return to service of an aircraft in a challenging operational environment.	<input type="checkbox"/>
Logistics Case Study	Utopia Airways is preparing the C4 check for their A330. This case study involves you and your team going through various processes such as maintenance documentation, communicating and purchasing with the relevant parties and also solving the logistical challenges that might occur.	<input type="checkbox"/>
Transport Case Study	After an introduction to the different players in an FCA transport chain, your task is to solve the typical daily transport logistics issues whilst you organise transport for both a routine order and an AOG order.	<input type="checkbox"/>
Inventory Management Case Study	We analyse the inventory of Utopia Airways through a structured process. We use different methods to evaluate stock value, service level, stock coverage and sleeping stock in order to improve the current stock situation.	<input type="checkbox"/>
Supply Chain Case Study	What makes a process lean and efficient? How can swim lane diagrams support in this context? Following a short introduction we will embark on a hands-on simulation of a typical supply chain process. The goal is to achieve tangible process improvements by eliminating non value adding activities.	<input type="checkbox"/>



Set-Up Information

Experience Level / Target Audience

- Newcomer
(< 3 years experience)
- Intermediate
(3-10 years experience)
- Advanced
(>10 years experience)

Your Comments

Group Size

- 10
- 11 - 23
- 24 - 48

Your Comments

New Airbus Operator

We support new Airbus operators with seminars specifically tailored to address the immediate training requirement before and during entry into service.

Your Comments

Length of the course

- 3 days
- 4 days
- 5 days

Your Comments

Groups

- One group half day
- One group full day
- Two groups 2 half days
- Other

Your Comments

Contact: spares.training@airbus.com