

Course Description



Lufthansa Technical Training

LTT-ID: BNET1A60A-03
Issue: 12.09.2014 Rev.: 0

Title	B737-600/700/800/900 (CFM56) EASA Part-66 B1 Theoretical Approved by: Competent Authority of Germany (Luftfahrtbundesamt/LBA) for European Aviation Safety Agency (EASA)
Duration	Training days: 26 days Total tuition hours: 156 hours (incl. Briefing, Debriefing and Examination)
Course Outline	This course is in compliance with EASA Part-66, Appendix III "Type Training and Examination Standard". The participant will acquire knowledge necessary to perform and certify maintenance tasks permitted to be carried out as certifying staff of the specified category stated in the course title. It provides detailed description, operation, component location, removal/installation, BITE and troubleshooting procedures to a maintenance manual level.
Target Group	Technical personnel associated with aircraft maintenance or engineering activities.
Number of Participants	Max: 16
Prerequisites	Basic technical English and basic technical aircraft knowledge.
Objectives	<p>EASA Level 1 (General Familiarisation) A brief overview of the airplane, systems and powerplant as outlined in the Systems Description Section of the Aircraft Maintenance Manual.</p> <p>EASA Level 2 (Ramp and Transit) Basic system overview of controls, indicators, principal components including their location and purpose, servicing and minor trouble shooting.</p> <p>EASA Level 3 (Line and Base Maintenance) Detailed description, operation, component location, removal/installation BITE and trouble shooting procedures to maintenance manual level.</p>
Participation time	The minimum participation time for the trainee to meet the objectives of the course should not be less than 90% of the tuition hours of the theoretical training course. If the minimum participation time is not met, a certificate of recognition should not be issued.
Examination	Phase examination, closed book, multiple-choice examination type. Pass mark per phase examination: 75%

Course Description



Lufthansa Technical Training

LTT-ID: BWET1A10A-03
Issue: 24.08.2015 Rev.: 1

Title	B777-200/300 (GE 90) EASA Part-66 B1 Theoretical Approved by: Competent Authority of Germany (Luftfahrtbundesamt/LBA) for European Aviation Safety Agency (EASA)
Duration	Training days: 30 days Total tuition hours: 180 hours (incl. Briefing, Debriefing and Examination)
Course Outline	This course is in compliance with EASA Part-66, Appendix III "Type Training and Examination Standard". The participant will acquire knowledge necessary to perform and certify maintenance tasks permitted to be carried out as certifying staff of the specified category stated in the course title. It provides detailed description, operation, component location, removal/installation, BITE and troubleshooting procedures to a maintenance manual level.
Target Group	Technical personnel associated with aircraft maintenance or engineering activities.
Number of Participants	Max: 16
Prerequisites	Basic technical English and basic technical aircraft knowledge.
Objectives	<p>EASA Level 1 (General Familiarisation) A brief overview of the airplane, systems and powerplant as outlined in the Systems Description Section of the Aircraft Maintenance Manual.</p> <p>EASA Level 2 (Ramp and Transit) Basic system overview of controls, indicators, principal components including their location and purpose, servicing and minor trouble shooting.</p> <p>EASA Level 3 (Line and Base Maintenance) Detailed description, operation, component location, removal/installation BITE and trouble shooting procedures to maintenance manual level.</p>
Participation time	The minimum participation time for the trainee to meet the objectives of the course should not be less than 90% of the tuition hours of the theoretical training course. If the minimum participation time is not met, a certificate of recognition should not be issued.
Examination	Phase examination, closed book, multiple-choice examination type. Pass mark per phase examination: 75%

Course Description



Lufthansa Technical Training

LTT-ID: BWET3A10A-03
Issue: 23.11.2016 Rev.: 1

Title	B777-200/300 (GE 90) EASA Part-66 B1 & B2 Theoretical Approved by: Competent Authority of Germany (Luftfahrtbundesamt/LBA) for European Aviation Safety Agency (EASA)
Duration	Training days: 33 days Total tuition hours: 197 hours (incl. Briefing, Debriefing and Examination)
Course Outline	This course is in compliance with EASA Part-66, Appendix III "Type Training and Examination Standard". The participant will acquire knowledge necessary to perform and certify maintenance tasks permitted to be carried out as certifying staff of the specified category stated in the course title. It provides detailed description, operation, component location, removal/installation, BITE and troubleshooting procedures to a maintenance manual level.
Target Group	Technical personnel associated with aircraft maintenance or engineering activities.
Number of Participants	Max: 16
Prerequisites	Basic technical English and basic technical aircraft knowledge.
Objectives	EASA Level 1 (General Familiarisation) A brief overview of the airplane, systems and powerplant as outlined in the Systems Description Section of the Aircraft Maintenance Manual. EASA Level 2 (Ramp and Transit) Basic system overview of controls, indicators, principal components including their location and purpose, servicing and minor trouble shooting. EASA Level 3 (Line and Base Maintenance) Detailed description, operation, component location, removal/installation BITE and trouble shooting procedures to maintenance manual level.
Participation time	The minimum participation time for the trainee to meet the objectives of the course should not be less than 90% of the tuition hours of the theoretical training course. If the minimum participation time is not met, a certificate of recognition should not be issued.
Examination	Phase examination, closed book, multiple-choice examination type. Pass mark per phase examination: 75%

Course Description



Lufthansa Technical Training

LTT-ID: FS006-02
Issue: 21.01.2015 Rev.: 2

Title: **Aircraft Structure Fundamentals**

Duration: Recommended days: 30
Units Theory: 62 Units Practical: 88

Course Objectives: Entry level structural repair technicians will gain the basic knowledge of working with common sheet metal tools to perform general aircraft structural repairs. The course trains the description and operation of basic sheetmetal repair tools and equipment as well as knowledge about basic aircraft hardware such as common materials and fastener installation and removal. All repairs performed in the practical training follow the guidelines of the Structural Repair Manual
This course satisfies ATA 104 Level IV objectives

Target Group: Entry-level structural repair technicians, entry level airframe mechanics, sheet metal worker

Number of Participants: Maximum: 12
Recommended:

Prerequisites: Basic knowledge of structure repair work on transport aircraft
Fluent in English or German

Course Content: **Classroom Training:**

- Materials and fastener for structure repair work
- Airframe construction philosophies
- Sheet metal tools description and operation
- Safety precautions
- Structure repair manual usage
- Surface protection and corrosion prevention
- Non destructive testing general
- Sealants and their application

Workshop Training:

- Safely use of hazardous materials and common hand and powered shop equipment
- Identification of commonly used fasteners and repair material in acc. to the SRM
- Use of common measuring tools like vernier calipers, depth dial gouge, etc.
- Calculation of bend allowances in accordance to the SRM
- Properly install and remove solid rivets, blind rivets, Hi-Loks etc.
- Perform general repairs such as stringer repair, small hole repair and frame repair in accordance to the Structural Repair Manual

Course Description



Lufthansa Technical Training

LTT-ID: FC901-02
Issue: 15.02.2016 Rev.: 2

Title: **Professional Certificate in Aerospace Engineering**

Duration: Days: 66

Course Objectives: The course will provide the trainees knowledge in selected relevant modules of the SAR-66 (Singapore Airworthiness Requirements) category A1 curriculum classroom lead instruction. Practical exercises in the workshop as well as a general concept of aircraft systems will be incorporated to establish the graduates of the course in the aerospace industry.

Target Group: Technical workforce from the aerospace industry and or personnel with engineering background

Number of Participants: Maximum: 15
Recommended:

Prerequisites: Holders of National Institute of Technical Education Certificate (NITEC) or at least 3 GCE "O" - level with credits in English, Math and Physics

Course Contents: Module M3, M5, M6, M7, M8, M9 and M10 according to SAR-66

Examination: A written examination will be held at the end of each module with a minimum of 75% pass mark.
Practical assessments will be conducted during the module M7.

Course Description



**Lufthansa
Technical Training**

LTT-ID: FJA1000-02
Issue: 21.09.2010 Rev.: 10

Title: EASA Part-66-A1-Full Basic Course (800 h)

Duration: Days: 132

Course Objectives: The participant will achieve knowledges requested for the EASA Part-66 Aircraft Maintenance Licence (AML).

Target Group:

- Aeronautical apprentices

Number of Participants: Maximum 15

Prerequisites:

- Intermediate highschool certificate
- Successful assessment procedure

Course Contents: According to all modules from EASA Part-66 Appendix 1 with the level requested for the AML Category named in the title. In case of a Credit, the appropriate modifications will be made (refer to Extended Description).

Examination: A written examination will be held after each module. Minimum pass mark of each examination is 75%.

Course Description



LTT-ID: FC601-02
Issue: 01.04.2010 Rev.: 4

Title: **CAAS SAR-7 to SAR-66 B1.1 Basic Conversion Training**

Duration: Days: 25

Course Objectives: Basic conversion training for SAR-7 airframe & engine aircraft maintenance engineers to qualify for SAR-66 B1.1 AML according to *CAAS IC 2/2005 Appendix I*.

Target Group: SAR-7 A&C AME licence holders

Number of Participants: Maximum: 16
Recommended: -

Prerequisites: a) Candidate holds an CAAS SAR-7 AME licence in Airframe and Engine categories and with endorsement in rating(s) on aircraft that are above a maximum takeoff mass of 5700kg.
or
b) has passed the following CAAS SAR-7 basic AME examination papers:
L11, H11, A11, A12, A14, A16, A17, B11, B12, B13, C14, C15

Course Contents:

- Magnetism (M3.10) / Inductance/Inductor (M3.11)
- DC Motor/Generator Theory (M3.12) / AC Theorie (M3.13)
- Resistive, Capacitive and Inductive Circuits (M3.14)
- Transformers (3.15) / Filters (M3.16)
- AC Generators (M3.17) / AC Motors (M3.18)
- Diodes (M4.1.1) / Transistors (M4.1.2) / Integrated Circuits (M4.1.3)
- Printed Circuit Boards (M4.2) / Servomechanisms (M4.3)
- Electronic Instrument Systems (M5.1) / Numbering Systems (M5.2)
- Data Conversion (M5.3) / Data Buses (M5.4)
- Logic Circuits (M5.5) / Basic Computer Structure (M5.6)
- Fibre Optics (M5.10) / Electronic Displays (M5.11)
- Electrostatic Sensitive Devices (M5.12) / Software Management Control (M5.13)
- Electromagnetic Environment (M5.14)
- Typical Electronic/Digital Aircraft Systems (M5.15)
- Engineering Drawings, Diagrams and Standards (M7.5)
- Electrical Cables and Connectors (M7.7)
- Avionic Systems (M11.5.2) / Electrical Power -ATA24- (M11.6)
- On Board Maintenance Systems -ATA45- (M11.18)

Examination: An examination will be held at the end of each module. Minimum pass mark is 75%.

Extended Description

LTT-ID: FC601-02
 Issue: 01.04.2010 Rev.: 4

Title: **CAAS SAR-7 to SAR-66 B1.1 Basic Conversion Training**

Important Information: Prior course attendance the Customer Support has to verify the fulfillment of the participant's prerequisites by a written statement of the trainee and copies of the respective CAAS SAR-7 AME licence in Airframe and Engine categories (rating on aircraft above 7500kg MTOW) or the required CAAS SAR-7 basic AME examination papers.
 The papers are part of the course documentation.

FC601-02

Duration in units

Modul	Training Contents	Theory	CBT	Practical	Test MCQ	Test Essay
M3	Electrical Fundamentals					
M3.10	Magnetism	4				
M3.11	Inductance / Inductor	4				
M3.12	DC Motor/Generator Theory	3				
M3.13	AC Theorie	3				
M3.14	Resistive, Capacitive, Inductive Circuits	5				
M3.15	Transformers	2				
M3.16	Filters	2				
M3.17	AC Generators	2				
M3.18	AC Motors	4				
	Day Consolidation / Exercises	6				
	Test M3	1			40	
M4	Electronic Fundamentals					
M4.1.1	Diodes	4				
M4.1.2	Transistors	2				
M4.1.3	Integrated Circuits	2				
M4.2	Printed Circuit Boards	0.5				
M4.3	Servomechanisms	0.5				
	Day Consolidation / Exercises	2				
	Test M4	1			20	
M5	Digital Techniques & Electronic Instrument Systems					
M5.1	Electronic Instruments Systems	1				
M5.2	Numbering Systems	1				
M5.3	Data Conversion	1				
M5.4	Data Buses	3				
M5.5	Logic Circuits	2				
M5.6	Basic Computer Structure	2				
M5.10	Fibre Optics	1				
M5.11	Electronic Displays	2				
M5.12	Electronic Sensitive Devices	1				
M5.13	Software Management Control	1				

M5.13	Electromagnetic Environment	1				
M5.14	Typical Electronic/Digital Aircraft Systems	3				
M5.15	Day Consolidation / Exercises	4				
	Test M5	1			40	
M7	Maintenance Practices					
M7.5	Engineering Drawings, Diagrams & Standards	5		11		
M7.7	Electrical Cables and Connectors	8				
	Day Consolidation / Exercises	5				
	Test M7	1			30	
M11a	Avionic Systems & Electrical Power Part					
M11.5.2	Avionic Systems	8	11			
M11.6	Electrical Power	5	10			
M11.18	On Board Maintenance Systems	2	2			
	Day Consolidation / Exercises	8				
	Test M11	2			50	
Number of units:		116	23	11		
Number of test questions/assessments:					180	
Duration per unit: 60min						
Units per day: 6						
Number of days: 25						

Course Content

LTT-ID: FC601-02

Issue: 01.04.2010 Rev.: 4

Title **CAAS SAR-7 to SAR-66 B1.1 Basic Conversion Training**

Subject (Topic)	Documents	Duration	Level	Theory	Practical
M03 / Electrical Fundamentals	M 3 - Electrical Fundamentals	5 hrs 0 min	3	5 hrs 0 min	0 hrs 0 min
Consoli / M3 - Electrical Fundamentals	M3 - Day Consolidation	1 hrs 0 min	3	1 hrs 0 min	0 hrs 0 min
M03 / Electrical Fundamentals	M 3 - Electrical Fundamentals	5 hrs 0 min	3	5 hrs 0 min	0 hrs 0 min
Consoli / M3 - Electrical Fundamentals	M3 - Day Consolidation	1 hrs 0 min	3	1 hrs 0 min	0 hrs 0 min
M03 / Electrical Fundamentals	M 3 - Electrical Fundamentals	5 hrs 0 min	3	5 hrs 0 min	0 hrs 0 min
Consoli / M3 - Electrical Fundamentals	M3 - Day Consolidation	1 hrs 0 min	3	1 hrs 0 min	0 hrs 0 min
M03 / Electrical Fundamentals	M 3 - Electrical Fundamentals	5 hrs 0 min	3	5 hrs 0 min	0 hrs 0 min
Consoli / M3 - Electrical Fundamentals	M3 - Day Consolidation	1 hrs 0 min	3	1 hrs 0 min	0 hrs 0 min
M03 / Electrical Fundamentals	M 3 - Electrical Fundamentals	5 hrs 0 min	3	5 hrs 0 min	0 hrs 0 min
Consoli / M3 - Electrical Fundamentals	M3 - Day Consolidation	1 hrs 0 min	3	1 hrs 0 min	0 hrs 0 min
M03 / Electrical Fundamentals	M 3 - Electrical Fundamentals	5 hrs 0 min	3	5 hrs 0 min	0 hrs 0 min
Consoli / M3 - Electrical Fundamentals	M3 - Day Consolidation	1 hrs 0 min	3	1 hrs 0 min	0 hrs 0 min
M03 / Electrical Fundamentals	M 3 - Electrical Fundamentals	4 hrs 0 min	3	4 hrs 0 min	0 hrs 0 min
Test M3 / Electrical Fundamentals	Test M3 Electrical Fundamentals	1 hrs 0 min	3	1 hrs 0 min	0 hrs 0 min
Consoli / M3 - Electrical Fundamentals	M3 - Day Consolidation	1 hrs 0 min	3	1 hrs 0 min	0 hrs 0 min
M04 / Electronic Fundamentals	M 4 - Electronic Fundamentals	5 hrs 0 min	3	5 hrs 0 min	0 hrs 0 min
Consoli / M4 - Electronic Fundamentals	M4 - Day Consolidation	1 hrs 0 min	3	1 hrs 0 min	0 hrs 0 min
M04 / Electronic Fundamentals	M 4 - Electronic Fundamentals	4 hrs 0 min	3	4 hrs 0 min	0 hrs 0 min
Test M4 / Electronic Fundamentals	Test M4 Electronic Fundamentals	1 hrs 0 min	3	1 hrs 0 min	0 hrs 0 min
Consoli / M4 - Electronic Fundamentals	M4 - Day Consolidation	1 hrs 0 min	3	1 hrs 0 min	0 hrs 0 min
M05 / Digital Techniques	M 5 - Digital Techniques	5 hrs 0 min	3	5 hrs 0 min	0 hrs 0 min
Consoli / M5 - Digital Techniques	M5 - Day Consolidation	1 hrs 0 min	3	1 hrs 0 min	0 hrs 0 min
M05 / Digital Techniques	M 5 - Digital Techniques	5 hrs 0 min	3	5 hrs 0 min	0 hrs 0 min
Consoli / M5 - Digital Techniques	M5 - Day Consolidation	1 hrs 0 min	3	1 hrs 0 min	0 hrs 0 min
M05 / Digital Techniques	M 5 - Digital Techniques	5 hrs 0 min	3	5 hrs 0 min	0 hrs 0 min
Consoli / M5 - Digital Techniques	M5 - Day Consolidation	1 hrs 0 min	3	1 hrs 0 min	0 hrs 0 min
M05 / Digital Techniques	M 5 - Digital Techniques	4 hrs 0 min	3	4 hrs 0 min	0 hrs 0 min

Test M5 / Digital Techniques	Test M5 Digital Techniques	1 hrs 0 min	3	1 hrs 0 min	0 hrs 0 min
Consoli / M5 - Digital Techniques	M5 - Day Consolidation	1 hrs 0 min	3	1 hrs 0 min	0 hrs 0 min
M07 / Maintenance Practices	M 7.5 - Engineering Drawings, Diagrams and Standards	5 hrs 0 min	3	5 hrs 0 min	0 hrs 0 min
Consoli / M7 - Maintenance Practices	M7 - Day Consolidation	1 hrs 0 min	3	1 hrs 0 min	0 hrs 0 min
M07 / Cable Installation EWIS (Theory)	M 7.7 - Electrical Cables and Connectors	5 hrs 0 min	3	5 hrs 0 min	0 hrs 0 min
Total:				139 hrs 0 min	11 hrs 0 min

Lufthansa Technical Training GmbH
Training Manager