



INFORMATION BULLETIN 11/2010

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| SUBJECT | : GCAA REQUIREMENTS FOR LAME LICENSES TYPE RATING ENDORSEMENTS |
| ORIGINATOR | : LICENSING AND AEROMEDICAL |
| STATUS | : MANDATORY |
| ADDRESSED TO | : ALL TRAINING ORGANISATIONS/OPERATORS |
| DATE | : 11 APRIL 2010 |

1. PURPOSE

This Information Bulletin (IB) introduces the General Civil Aviation (GCAA) requirements for type ratings endorsements on UAE LAME licenses.”

2. CANCELLATION

Nil

3. BACKGROUND

This IB applies with immediate effect.

4. REQUIREMENT

This IB is applicable to all UAE Aircraft Maintenance License holders and their employers applying for endorsement of new type ratings on their AME licenses.

5. PRE-REQUISITES FOR TYPE RATINGS ENDORSEMENT

5.1 Approved type course

Pursuant to the requirements of the UAE Civil Aviation Regulations (CARs), the General Civil Aviation Authority (GCAA) accepts only approved/recognized type trainings for the purpose of type rating endorsements. Operators are reminded to ensure that their maintenance staff undergoes type trainings only at GCAA approved type training organizations if it is intended to be for the purpose of type rating endorsement on UAE LAME licenses. In situations where the training is to be performed at facilities that are not approved by the GCAA, the operator must ensure that the particular training is approved by the GCAA prior to the commencement of the training in compliance with , CAR Part II, Chapter 7, Para 7.8.4

5.2 Practical experience for type ratings.

The following paragraphs detail the experience requirements for the issue of GCAA Type Licences.

- (a) For the first type manufactures training course, the schedule of work experience must be completed evenly over a four month period for airframe and engine or electrical, instruments, autopilot, compass, radio and radar as appropriate.
- (b) For an engine on its own it will be one month, for an airframe it will be three months.
- (c) If the applicant can show experience and hold maintenance licences of comparable construction and systems on aircraft from same manufacturer, the schedule of work experience to be achieved by the applicant shall be as follows:
 - Airframe/Engine: Thirty (30) working days.
 - Engine: Fourteen (14) working days.
 - Avionics: Twenty (20) working days.
 - Differences Training: As required to complete all necessary tasks as directed by a Schedule of Type Experience, this would be in addition to any required engine experience.
- (d) The GCAA strongly recommends that all operators develop schedules of Type Experience for each type of aircraft in their fleet and submit it to the GCAA for approval. The GCAA expects that schedule of practical experience will comprise the majority of the maintenance tasks listed in the Aircraft Maintenance Manual that are relevant to the scope of the applied rating. As an example, the attached formats (Appendix A for Airframe and Engines/B1 and Appendix B for Avionics/B2) are typical tasks for large and medium sized commercial aircraft. These appendices are not exhaustive and may not apply in totality to every type of aircraft.
- (e) The GCAA may consider reduced practical experience durations on case-by- case basis provided the experience was gained dedicatedly (full time) in accordance with an approved structured On the Job Training (OJT) schedule under supervision of a GCAA approved OJT assessor. This reduced duration should be

reasonable and should have allowed the applicant sufficient time to adequately perform each task in the schedule.

- (f) The GCAA will not accept experience gained concurrently/overlapping for more than one type of aircraft. Applicants applying for endorsement of more than one type of aircraft are expected to start their second aircraft schedule of work after the completion of the first type. This condition does not apply to different variants of the same type (regardless of the type of engine). For example: it is permissible to complete the approved schedule of practical experience within the four months stipulated above for all different variants of B777 aircraft if it is the first type rating for the applicant.



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DIRECTOR GENERAL

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APPENDIX A

TYPICAL SCHEDULE OF INSPECTION/OJT SCHEDULE FOR B1 (Airframe/Powerplant)

Note: The experience shall be in ATA (or equivalent) format as follows:

INTRODUCTION ATA 00

Discuss/review maintenance manual procedures on the identification of effectivity numbers.

TIME LIMITS ATA 05

Carry out inspection after hard or overweight landings.
Carry out inspection after brakes overheat.
Carry out inspection after flight through sand dust conditions.
Discuss/review non-revenue flight requirements following maintenance actions.
Discuss/review troubleshooting procedures for excessive vibrations
Discuss/review lightning strike inspections
Discuss/review bird strike inspections.

DIMENSIONS AND AREAS ATA 06

Discuss/review zoning diagrams.
Discuss/review station diagrams.

LIFTING AND SHORING ATA 07

Carry out jacking of aircraft for maintenance operations.
Carry out jacking for wheel change.

LEVELING AND WEIGHING ATA 08

Carry out the leveling and weighing procedure in accordance with approved procedures.

TOWING AND TAXING ATA 09

Carry out both forward and backward normal towing.
Locate, identify and install landing gear ground lockpins.

PARKING AND MOORING ATA 10

Carry out a parking procedure for aircraft.

SERVICING ATA 12

Carry out an automatic aircraft fuelling.
Discuss/review magnetic level indications.
Discuss/review manual fuelling.
Discuss/review overwing fuelling.
Discuss/review defuelling.

Carry out a hydraulic fluid replenishing.
Carry out a potable water systems servicing.
Discuss/review a main/nose shock strut servicing.
Discuss/review servicing brake system.
Carry out a landing gear tyre servicing.
Carry out a waste tank servicing: vacuum system.
Carry out a fluid sampling for analysis.
Carry out fuel sampling for water contamination.

AIRFRAME STANDARD PRACTICES ATA 20

Discuss/review installation and repair of tubing.

AIRCONDITIONING ATA 21

Locate and identify air conditioning main distribution components.
Locate and identify flight compartments and electronic racks air distribution.
Locate and identify cockpit air ventilation distribution components.
Remove/install pack flow control valve.
Remove/install flow sensor.
Remove/install cabin fan.
Locate and identify air conditioning distribution components.
Locate and identify electronic racks air extraction components.
Remove/install of extract fan.
Deactivation/reactivation overboard extract fan IAW MEL.
Adjustment/test of electronic racks air extraction.
Locate and identify lavatory and galley ventilation components.
Operational/functional/system test of lavatory and galley ventilation system.
Remove/install lavatory and galley fan.
Remove/install differential pressure switch.
Locate and identify cargo compartment ventilation.
Locate and identify pressurization control system components.
Operational/functional/system test of pressurization control system components.
Remove/install cabin pressure controller.
Remove/install cabin pressure outflow valve.
Locate and identify cabin pressure safety relief valve.
Inspection/check of cabin pressure safety relief valve.
Deactivation/reactivation and cabin pressure controller IAW MEL.
Locate and identify cooling pack system components.
Inspection/check of cooling pack system components.
Remove/install water injector.
Remove/install water extractor.
Remove/install pack discharge temperature sensor.
Remove/install Air conditioning pack (ACM)
Remove/install air inlet door actuator.
Adjustment/test of cooling pack system.

Locate and identify cooling pack temperature indicating components
Adjustment/test of cooling pack temperature indication.
Locate and identify emergency ram air system components.
Inspection/check of emergency ram air system components.
Remove/install emergency ram air inlet actuator.
Remove/install ground cooling unit.
Remove/install ground cooling fan unit.
Deactivate/reactivate ground cooling valve.
Operational/functional/system test of cooling pack temperature control system.
Remove/install by-pass valve.
Deactivation/reactivation of by-pass valve IAW MEL.
Deactivation/reactivation of ram/air inlet IAW MEL.
Operational/functional/system test of trim air control and overheat monitoring.
Remove/Install trim air supply valve.
Operational/functional/system test of flight and cabin compartment temperature control
Remove/install pressure regulating trim valve.
Operational/functional/system test of cargo compartment temperature control.
Deactivation/reactivation of trim air valve.

AUTO FLIGHT ATA 22

Locate and identify AFS controls and indications
Operation of true north reference selection.
Operational test of AP engagement and locking devices.
Perform autothrust disconnection check.
Perform autothrust control unit check.
Operation of autothrust isolation test.
Perform FM menu data entry.
Perform Flight Management Dataloading/crossloading.
Operational test of FM source switching .
Operational test of back up Nav function.
Perform flight plan entry procedure.
Perform AFS system test.

COMMUNICATION ATA 23

Locate and identify radio and cockpit communications equipment.
Locate and identify cabin communication equipment.
Operational test of HF system.
Perform HF current status/system test.
Operational test of VHF system.
Perform VHF system test.
Operational test of ACARS.
Perform ACARS MCDU menu data entry.
Perform ACARS system test.

Operation and test of SAT COM system.
Perform PES system test.
Operational test of mechanic call.
Operational test of service interphone.
Operation of audio management system.
Operational test of ACP switching.
Operational test of oxygen mask microphone.
Operational test of AIS
Perform visual inspection of static discharges.
Operational test of CVR
Operational test of CVR recording logic.
Operational test of CVR erase function.
Perform operation of FAP and PIM.
Operational test of cabin and flight crew interphone system.
Operational test of PA system.
Operational test of passenger call system.
Operational test of passenger lighted signs.
Operational test of cabin signs and loudspeakers
Perform cabin layout and zone programming.
Operational test of RMP.
Perform PMP system test.

ELECTRICAL POWER ATA 24

Carry out energizing of the aircraft electrical circuits from the external power.
Locate and identify main electrical power panels in cockpit.
Locate and identify main distribution panels and components in electrical compartment.
Locate and identify electrical power controls and indications.
Locate and identify electrical power components.
Perform IDG oil level and differential pressure indicator check.
Discuss dispatch of aircraft with one IDG inop.
Operation test of bus tie isolation (side 1 & side 2).
Locate and identify GLC, BTC and SIC contactors.
Perform APU GCU system test.
Perform operational test of emergency generation system.
Operation of emergency generator manual connection.
Perform emergency GCU system test.
Operational test of AC essential generation switching.
Operational test of static inverter and DC essential bus supply.
Perform ECMU system test.
Perform operational test of DC main generation switching and TR reset.
Perform operational test of DC essential bus switching and TR reset.
Perform BCL system test.
Energize the aircraft electrical circuits from the APU generator.
Perform GCU, GPCU system test.

Energize the ground service network.
Operational test of commercial load shedding.
Operational test of land recovery configuration.
Perform CBMU system test.

EQUIPMENT AND FURNISHING ATA 25

Remove/install flight deck seats.
Inspection/check of heat and sound insulation.
Discuss/review repairs to cargo linings.
Remove/install ceiling panels.
Remove/install upper sidewall panels.
Remove/install lower sidewall panels.
Remove/install captain and first officer foot heating panels.
Remove/install first class seat assembly.
Remove/install business class seat assembly
Remove/install economy class seat assembly.
Remove/install sidewall overhead stowage compartment.
Remove/install centre overhead stowage compartment.
Remove/install passenger service unit.
Remove/install forward galley unit.
Remove/install aft galley unit.
Locate and identify all wardrobes and stowage.
Locate and identify all toilet locations.
Locate and identify cargo compartments.
Locate and identify cargo loading components.
Operational/functional/system fuel test of cargo loading system.
Remove/install power drive unit.
Review/discuss aft cargo compartment drain system.
Carry out physical check of all safety and emergency equipment IAW check sheets.
Locate and identify passenger compartment escape facilities.
Locate and identify flight deck escape facilities.
Carry out removal/installation of door mounted escape slide/raft.
Review/discuss rapid decompression system.
Review/discuss principles of fire detection.

FIRE PROTECTION ATA 26

Operational/functional/system test of engine fire and overheat detection.
Remove/install engine fire sensing elements.
Operational/functional/ system test of APU fire and overheat detection.
Remove/install principle of avionic compartment smoke detection.
Review /discuss cargo compartment smoke detection.
Remove/install cargo smoke detection.
Locate and identify lavatory smoke detection components.
Locate and identify engine, APU, cargo fire extinguishing components.

Remove/install engine fire extinguisher bottle.
Discuss/review testing of engine fire bottles extinguishing lines
Carry out weight check of APU fire extinguisher bottle.
Discuss/review cargo compartment extinguisher system.
Remove/install pressure reducing valve.
Remove/install portable fire extinguisher.
Remove/install lavatory fire extinguisher.

FLIGHT CONTROLS ATA 27

Locate and identify flight control system electronic units.
Deactivation/reactivation of side stick potentiometer.
Remove/install side stick assembly.
Remove/install control column assembly.
Remove/install control column pressure transducer.
Adjustment/test side stick.
Locate and identify aileron system components.
Inspection/check aileron components in wheel wells.
Deactivation/reactivation of outboard aileron servo control.
Operational/functional/system test of aileron system.
Remove/install aileron servo control.
Discuss/review aileron surface position indicating.
Locate and identify rudder system components.
Operational/functional/system test of rudder system.
Locate and identify rudder trim components.
Operational/functional/system test of rudder trim.
Remove/install rudder trim actuator.
Locate and identify artificial feel and rudder travel limiting system.
Operational/functional/system test of rudder travel limiting system.
Adjustment/test of rudder hydraulic actuation system.
Adjustment/test of rudder control system position indication system.
Locate and identify elevator/system components.
Locate and identify elevator hydraulic actuation components.
Adjustment/test of elevator control surface position indication system.
Locate and identify trimmable horizontal stabilizer components.
Adjustment/test cable tensions on THS system.
Operational/functional/system test of THS.
Remove/install THS actuator unit.
Remove/install THS actuator oil filler, bayonet and oil draining plugs.
Remove/install THS hydraulic motor.
Deactivation/reactivation of Trimmable Horizontal Stabilizer Actuator electrical motor
Locate and identify THS surface position indicating system.
Adjustment/test of Pressure off Brake.
Locate and identify flap system mechanical components.

Remove/install inboard flap.
Remove/install outboard flap.
Deactivation/reactivation of flap track fairings IAW CDL.
Adjustment/test of flaps mechanical and electrical control.
Remove/install feedback position pick-off unit.
Locate and identify flap hydraulic actuation and power transmission.
Operational/functional system of flap system.
Remove/install flaps power control unit.
Remove/install flap torque limiter.
Discuss/review maintenance practices of flap transmission shafts.
Carry out reset of flap screwjack torque limiter.
Remove/install flap screwjack.
Remove/install flap carriage.
Inspection/check of flap carriage.
Inspection/check of flap screwjack.
Remove/install flap PCU pressure-off brake.
Remove/install inboard flap PCU valve block.
Remove/install flap PCU hydraulic motor.
Discuss/review flap positioning indication system.
Remove/install flap instrumentation position pick-off unit.
Discuss/review flap asymmetry monitoring.
Locate and identify spoiler and speedbrake electrical and mechanical control components.
Discuss/review speed brake, roll spoiler, ground spoiler and spoiler extension comments.
Operational/functional/system test of spoiler/speed brake system.
Deactivation/reactivation of spoiler control system IAW MEL.
Remove/install spoiler surface.
Remove/install spoiler/speedbrake servo.
Review/discuss spoiler/speedbrake control surface position indication system.
Remove/install slat
Adjustment/test of slat transmission zero.
Review/discuss slats mechanical and electrical control.
Deactivation/reactivation of sealing shutters in accordance with CDL.
Operational/functional/system test of slat system.
Locate and identify hydraulic actuation and power transmission components.
Inspection/check of slat tracks and rollers.
Remove/install slats power control unit.
Remove/install slat PCU pressure off brake.
Remove/install slat PCY hydraulic motor.
Discuss/review slat position indication system.
Discuss/review slat asymmetry and power transmission monitoring Remove/install wing tip brake.

FUEL ATA 28

Discuss /review fuel tank access and working areas.
Locate and identify fuel tank components.
Inspection/checks of fuel tanks.
Operational/functional/system test of water scavenge system.
Deactivation/reactivation of trim tank.
Remove/install water drain valves.
Locate and identify fuel vent system components.
Inspection/check of fuel vent system.
Remove/install vent surge tank overpressure protector safety disk.
Discuss/review center box ventilating system.
Locate and identify fuel distribution components.
Remove/install tank booster pump.
Remove/install tank booster pump canister.
Remove/install Crossfeed valve.
Discuss/review LP fire shut-off valve system.
Operational/functional/system test of LP fire shut-off valve.
Carry out fuel transfer.
Remove/install refuel/Defuel valve.
Deactivation/reactivation of outer tank inlet valve. IAW MEL.
Remove/install fuel inlet valve.
Discuss/review fuel transfer system.
Remove/install valve inlet.
Locate and identify fuel transfer system.
Operational/functional/system test of fuel transfer system.
Discuss/review fuel quantity indicating system.

HYDRAULIC POWER ATA 29

Locate and identify the various hydraulic system components.
Remove install engine driven pump.
Carry out nitrogen charging of accumulators.
Operational/functional/system test of hydraulic fire valves.
Remove/install reservoir return filter.
Remove/install engine pump case drain filter.
Carry out hydraulic reservoir depressurization and pressurization.
Remove/install green electric pump.
Remove/install yellow auxiliary pump.
Remove/install yellow system hand pump.
Operational/functional/system test of RAT.
Discuss r/review hydraulic indication systems.

ICE AND RAIN PROTECTION ATA 30

Locate and identify wing anti-ice system components.
Operational/functional system of wing anti-ice.

Deactivation/reactivation of wing anti-ice valve.
Remove/install wing anti-ice valve.
Locate and identify engine air intake ice protection.
Remove/install pressure regulating valve.
Deactivation/reactivation of nacelle anti-ice valve.
Discuss/review probe ice protection.
Discuss/review windshield panel anti icing and defogging .
Operational/functional system test of wind shield panel antiice and defogging.
Discuss/review windshield rain removal system.
Remove/install rain repellent fluid can.
Remove/install windshield wipers.
Discuss/review drain mast ice protection.
Remove/install drain mast.
Discuss/review water servicing panels heating.

IND/RECORDING SYSTEMS ATA 31

Locate and identify flight compartment instruments/panels.
Discuss/review aircraft recorders.
Discuss/review ECAM/EICAS system.
Locate and identify indicating/recording system controls and indications in cockpit.
Locate and identify indicating/recording system components throughout aircraft.
Perform electrical clock setting.
Perform system test of DFDRS ground scanning.
Perform operational test of DFDRS playback.
Carry out ACMS general operation
Perform ACMS MCDU menu data entry.
Carry out ACMS parameter call up.
Perform QAR/DAR servicing.
Perform operational test of DMU.
Carry out EIS switching.
Carry out system test of FWS.
Perform operational test of auto call out.
Perform EIS start up procedure.
Carry out general operation of EFIS/ECAM control panel.
Perform EIS DU identify adjustment.
Perform DMC system test.
Perform DMC switching test.
Perform removal/installation of DU.
Discuss/review MEL implications of WCAM DMC switching selector.

LANDING GEAR ATA 32

Discuss/review maintenance practices for downloads of landing gear.
Remove/install landing gear groundlock pins.

Locate and identify main gear components.
Inspection/check of main gear components.
Remove/install main gear shock absorber.
Inspection/check of bogie beam.
Remove/install pitch trimmer.
Adjustment/test of main gear doors.
Locate and identify nose gear components.
Inspection/check of nose gear components.
Remove/install nose gear shocks absorber.
Adjustment test of nose gear doors.
Operational/functional/system test of normal extension and retraction system.
Operational/functional/system test of emergency extension system.
Discuss/review normal extension and retraction system.
Remove/install landing gear selector valve.
Remove/install main landing gear door ground opening bypass valve.
Remove/install nose gear door uplock assembly.
Remove/install nose gear door actuating cylinder.
Remove/install return isolation check valve.
Remove/install nose gear uplock assembly.
Remove/install nose gear actuating cylinder.
Remove/install main gear door uplock assembly.
Remove/install main gear door actuating cylinder.
Remove/install main gear supply line check valve.
Remove/install main gear uplock assembly.
Remove/install main gear actuating cylinder assembly.
Discuss/review free fall extension system.
Restoration to normal after free fall extension.
Discuss/review normal brake operation.
Locate and identify normal brake components.
Deactivation/reactivation of normal brake system IAW MEL.
Remove/install brake selector valve.
Remove/install automatic selector valve.
Remove/install normal brake manifold assy.
Remove/install brake unit.
Restoration of safety valve after operation.
Remove/install normal brake servo valve.
Discuss/review alternate brake with anti-skid operations.
Discuss/review alternate brake with no anti-skid operations.
Operational/functional/system test of normal and alt. brake systems.
Discuss/review parking emergency brake system.
Discuss/review maintenance practices.
Discuss/review brake temperature indication system.
Discuss/review brake cooling system.
Discuss/review TPIS.

Locate and identify nose steering components.
Operational/functional/system test of nose steering.
Inspection/check of nose steering components.
Deactivation/reactivation of nose wheel steering controlsystem
Remove/install nose wheel steering gear box.
Discuss/review indication and warning system.
Deactivation/reactivation of indication and warning system.

LIGHTS ATA 33

Locate and identify flight component lighting controls.
Locate and identify passenger compartment lighting control and loading lights.
Locate and identify cargo and service compartment lighting controls.
Locate and identify exterior lighting controls.
Locate and identify emergency lighting controls.

NAVIGATION ATA 34

Carry out a thorough visual check of navigation systems controls & indications in cockpit.
Locate and identify navigation systems components.
Perform ADIRS start procedure.
Perform inertial reference align procedure.
Discuss/review MEL implications o unserviceable IRS.
Perform operational test of Air data switching.
Perform operational test of ATT/HDG switching.
Perform ADR interface test.
Perform ADR system test.
Select and read ADR current status readout.
Perform ALT/CAS dynamic slew tests.
Perform AOA sensor test.
Perform RAT airspeed signal generation.
Perform operational test of VMO/MMO selection.
Perform IR interface test.
Perform IR system test.
Select and read IR current status readout.
Perform standby compass operational test.
Perform ILS test through RMP & MCDU.
Perform ILS system test.
Carry out ground operation of weather radar.
Perform weather radar system test.
Perform radio altimeter system test.
Perform radio altimeter ramp test.
Discuss the MEL implications of an unserviceable radio altimeter.
Perform TCAS operational test.
Perform TCAS system test.

Perform GPWS ground vocabulary test.
Perform GPWC system test.
Perform VOR/DME test through RMP & MCDU.
Perform DME system test.
Perform ATC system test.
Perform ADF test through RMP & MCDU.
Perform ADF system test.
Perform VOR/MKR system test.
Perform GPS system test.

OXYGEN ATA 35

Deactivation/reactivation of crew oxygen cylinder.
Crew oxygen storage description operation.
Remove/install oxygen HP transmitter/pressure regulator.
Remove/install crew quick donning oxygen mask.
Discuss/review crew oxygen indicating system.
Locate and identify passenger oxygen system.
Remove/install emergency oxygen generator.
Locate/install portable oxygen.

PNEUMATIC ATA 36

Locate and identify pneumatic system component.
Discuss/review engine bleed air supply.
Operational/functional/system test of engine bleed supply.
Remove/install HP valve.
Deactivation/reactivation of HP valve IAW MEL.
Remove/install IP check valve.
Remove/install bleed valve.
Deactivation/reactivation bleed valve IAW MEL.
Adjustment/test bleed valve. PRV
Remove/install bleed air precooler.
Remove/install fan air valve.
Remove/install over pressure valve.
Remove/install pressure service check valve.
Deactivation/reactivation high stage temperature sensor IAW MEL.
Discuss/review pneumatic controller.
Locate and identify APU bleed supply & crossbleed components.
Operational/functional/system test of APU bleed supply and crossbleed components.
Remove/install crossfeed valve.
Deactivation/reactivation of crossfeed valve.
Inspection/check APU bleed check valve.
Locate and identify wind leading edge air cooling components.
Discuss/review bleed air pressure and temperature indicating system.
Discuss/review manifold air leak detection system.

Remove/install overheat sensing element.

WATER/WASTE ATA 38

Locate/identify water/waste components.

Remove/install wash basin faucet.

Discuss/review water quantity indicating system.

Carry out water drain.

Locate/identify recirculation toilet system components.

Remove/install flushing valve.

Locate/identify vacuum toilet system components.

Remove/install vacuum blower.

Remove/install waste drain valve.

Remove/install flush valve.

Locate/identify air supply components.

Adjustment/test of air supply system.

Remove/install air filter.

Remove/install air compressor.

ONBOARD MAINTENANCE SYSTEMS ATA 45

Locate and identify OMS components.

Carry out CMS general operations.

Perform CMC manual switching.

Perform CMC switching operational test.

Perform CLASS 3 report access procedure.

Perform CMC system test.

Perform uploading procedure with MDDU including FMGEC.

Perform MDDU system test.

Carry out printer general operation.

Perform printer system test.

STRUCTURES ATA 51

Standard practices.

Discuss/review standard composites repairs.

Discuss/review cleaning after hydraulic fluid spillage.

DOORS ATA 52

Locate/identify entry and service doors.

Deactivation/reactivation of door IAW MEL.

Discuss/review safety precautions when operating door.

Deactivation/reactivation of passenger exit stop fittings.

Adjustment/test of girt bar fittings.

Remove/install door damper and emergency operation Cylinder

Discuss/review escape slide release mechanism,.

Carry out opening of emergency exit.

Discuss/review escape slide release mechanism.
Locate/identify forward cargo door components.
Locate/identify aft bulk cargo door component.
Locate/identify cargo door hydraulic system component.
Remove/install latching/locking mechanism.
Discuss/review cargo door hydraulic control system.
Locate/identify access doors.
Inspection/check of equipment compartment exterior doors.
Adjustment/test of flight compartment door.
Discuss/review door warning system.
Discuss/review residual pressure warning system.

FUSELAGE ATA 53

Locate and identify primary and auxiliary fuselage structure.
Remove/install floor panels.
Inspection/check floor panels.
Inspection/check of radome
Remove/install radome.
Locate and identify pylon components.
Inspection/check nacelle strut structural components.
Inspection/check pylon to wing attach fittings.
Inspection/check of fairing panel and doors.

STABILISER ATA 55

Locate and identify horizontal stabilizer structural components.
Locate and identify vertical stabilizer structural components.

WINDOWS ATA 56

Locate and identify flight component windows.
Inspection/check of flight compartment windows.
Remove/install windshield.
Remove/install sliding windows.
Remove/install passenger cabin windows.

WINGS ATA 57

Locate and identify wing structural components.
Inspection/check of wing structural components.
Locate and identify wing LE devices.
Inspection check of wing LE devices attach fittings.
Locate and identify wing TE devices.
Inspection check of wing TE devices attach fittings.

ROUTINE INSPECTION CHECKS

Carry out Pre-Flight Check.
Carry out Transit Check.

Carry out ETOPS Departure Supplement Check.
Carry out Daily Check.
Carry out Weekly Check/Service check.

POWERPLANT

TIME LIMITS/MAINTENANCE CHECKS – ATA 5

- Carry out an inspection after hard/overweight landing.
- Carry out inspection after engine failure.
- Carry out inspection on engine following bird strike/slush ingestion.
- Carry out inspection of engine and pylon areas following lightning strike
- Carry out inspection of engine after side loads.
- Carry out inspection of engine after flight dust storm/volcanic ash or severe condition on ground
- Carry out inspection after engine wind milling (after engine in flight shut down).
- Carry out inspection of engine after flight in excessive or unusual turbulence or in excess of VMO.

PARKING AND MOORING - ATA 10

- Carry out the necessary engine and associated system blanking.
- Discuss/review procedures for short terms and long terms aircraft/engine storage.

SERVICING – ATA 12

- Carry out engine oil system replenishing.
- Carry out engine starter servicing.
- Electrical Power Servicing (IDG)
- Carry out Auxiliary Power Unit (APU) servicing.
- Discuss/review engine oil complete draining and servicing.
- Discuss/review engine starter oil complete servicing.
- Discuss/review Auxiliary Power Unit (APU) oil system complete servicing. Discuss/review Engine/APU cold weather maintenance.

ELECTRICAL POWER – ATA 24

- Locate and identify main electrical power panels in cockpit.
- Energize the aircraft electrical systems using external power supply.
- Remove/install Integrated Drive Generator.
- Carry out maintenance practices on IDG filter.
- Remove/install IDG QAD ring (coupling).
- Remove/install IDG air/oil Heat Exchanger.
- Remove/install IDG air/oil Heat Exchanger Dust Seal.
- Locate and identify IDG oil temperature sensor.
- Locate and identify IDG power feeder cable.
- Remove/install APU generator.
- Energize the aircraft electrical systems using APU generator.
- Carry out operational test of IDG disconnect/connect function.

FIRE PROTECTION – ATA 26

Locate and identify the Engine fire detectors.
Locate and identify APU fire detectors.
Remove/install Engine fire extinguishing bottles.
Remove/install APU fire extinguishing bottles.
Carry out operational test APU fire and overheat detection test.
Carry out operational test APU fire and overheat detection test.
Locate and identify Engine fire extinguishing bottle.
Locate and identify Engine fire control module.
Locate and identify APU/Cargo fire control module.

FUEL – ATA 28

Locate and identify Fuel Panel.
Locate and identify refuel valve.
Locate and identify Refuel panel access door proximity switch.
Locate and identify refuel panel.
Locate and identify Main Fuel tank boost pumps.
Locate and identify Fuel scavenge jet pump.
Locate and identify Water scavenge jet pump.
Locate and identify APU fuel pump FWD/AFT.
Locate and identify APU fuel isolation valve actuator.
Defuel valve actuator.
Review/discuss engine fuel feed system test.
Locate and identify Engine fuel LP valve and adapter/shaft.
Locate and identify Engine fuel/LP valve actuator.
Locate and identify fuel Crossfeed valve.
Locate and identify Engine fuel feed manifold and coupling.
Review/discuss APU fuel feed system.
Remove/install APU fuel shut off valve.
Remove/install APU fuel shut off valve actuator.
Remove/install APU fuel isolation valve.
Remove/install APU fuel isolation valve actuator.
Remove/install APU fuel supply line and shroud.
Review/discuss procedures for defuelling.
Locate and identify fuel jettison valve actuator.
Locate and identify fuel jettison valve actuator.
Locate and identify fuel sump driven valves.

HYDRAULIC POWER – ATA 29

Review discuss maintenance practice procedures for main hydraulic system.
Remove/install engine driven pump (EDPs).
Remove/install engine driven pump (EDPs) supply shut off valve.
Remove/install engine driven pumps (EDPs) pressure and case drain filter module.
Locate and identify hydraulic system pressure transducer.
Locate and identify reservoir pressure switch.

Locate and identify reservoir temperature transducer.
Locate and identify reservoir quantity transmitter.

ICE AND RAIN PROTECTION – ATA 30

Remove/install engine anti-ice valve.
Carry out engine anti-ice system test with engine running.
Remove/install EAI duct.

INDICATING/RECORDING SYSTEM – ATA 31

Locate and identify Cockpits display units. Display select panels, clocks.

LANDING GEAR – ATA 32

Discuss/review procedures of landing gear ground door release system operation.
Discuss/review procedures of aircraft parking brake system.

PNEUMATIC – ATA 36

Carry out engine air supply operational test.
Carry out engines air supply valve operational test.
Carry out air supply system decay test.
Locate and identify the following items Engine air supply pneumatic duct.
Locate and identify intermediate pressure check valve.
Locate and identify high pressure valve.
Locate and identify high pressure fan air controller.
Locate and identify pressure regulating valve.
Locate and identify precooler.
Locate and identify fan air modulating valve.
Locate and identify pressure regulating and shutoff valve controller.
Locate and identify fan air supply pneumatic duct.
Locate and identify air supply and cabin pressure controller.
Locate and identify high pressure ground connector.
Locate and identify Air supply distribution pressure duct.
Locate and identify supply duct insulation blanket,
Locate and identify pressure sensor.
Locate and identify intermediate pressure sensor.
Locate and identify exchanger outlet temp sensor.

AIRBORNE AUXILIARY POWER – ATA 49

Discuss/review APU maintenance practice procedures.
Remove/install APU.
Carry out maintenance practice procedures for APU doors.
Locate and identify air inlet door position switch.
Locate and identify air inlet plennus flange seal.
Locate and identify air inlet flap.

Locate and identify air inlet flap actuator.
Locate and identify air inlet door seal.
Locate and identify APU drains and vents.
Remove/install the oil filter element.
Remove/install elec chip det.
Remove/install air/oil cooler.
Remove/install lube pump module.
Remove/install oil heater assembly
Locate and identify low oil pressure switch.
Locate and identify oil pressure switch.
Locate and identify oil temperatures gen hot snsr.
Remove/install the fuel filter element.
Remove/install fuel nozzles.
Remove/install fuel manifolds.
Remove/install fuel FCU
Locate and identify fuel filter differential pressure switch.
Locate and identify fuel temperature sensor.
Remove/install electric starter motor.
Remove/install inlet guide vane actuator.
Remove/install APU check valve.
Locate and identify APU speed sensor.
Locate and identify APU inlet temperature sensor.
Locate and identify APU controller.
Locate and identify APU data memory module.
Remove/install APU exhaust duct.
Remove/install exhaust duct insulation blanket.
Locate and identify oil quantity/sump temperature sensor.
Locate and identify oil level sight page.
Discuss/review APU MEL maintenance procedure.

ENGINE STANDARD PRACTICES – ATA 70

Discuss in detail removal/installation of the powerplant.
Carry out engine dry motor procedure.
Carry out engine wet motor procedure.
Carry out engine start.
Carry out engine test/adjustment.
Carry out engine emergency stop.
Remove/install inlet cowl.
Remove/install fan cowl.
Remove/install front mount.
Remove/install rear mount.
Carry out fan cowl panels maintenance practices.
Remove/install drain collector tank.
Remove/install fuel drain tank ejector.

ENGINE – ATA 72

Discuss/review maintenance practice procedures for LP, IP and HP system.

Discuss/review engine boroscope inspection procedures.

Locate/identify boroscope plugs.

Remove/install gas generator fairings.

Remove/install interservices fairings.

Remove/install air intake spinner assembly.

Remove/install LP compressor blades.

Discuss/review LP compressor case inspection/check.

Discuss/review intermediate compressor inspection/check.

ENGINE FUEL AND CONTROL – ATA 73

Remove/install LP fuel filter element.

Remove/install Hp fuel filter.

Remove/install fuel manifold.

Remove/install fuel pump.

Remove/install fuel spray nozzles.

Discuss/review MEL maintenance procedures.

Locate/identify FADEC.

Locate/identify EEC.

Locate/identify data entry plug.

Remove/install FMU.

Remove/install dedicated alternator.

Locate and identify electrical power control unit.

Locate and identify fuel temperature thermocouple.

Locate and identify HP compressor exit thermocouple.

Locate and identify Overspeed protection unit.

Locate and identify engine data interface unit.

Locate and identify fuel flow transmitter.

Locate and identify fuel filter differential pressure aircraft.

IGNITION – ATA 74

Review/discuss ignition system audible test.

Locate/identify ignition units.

Locate and identify ignition leads.

Locate and identify ignitor plugs.

Remove/install ignitor plugs.

AIR – ATA 75

Discuss/review engine cooling and sealing inspection and check.

Remove/install air cooled oil cooler.

Remove/install TIC solenoid valve.

Remove/install TIC actuating arm.

Remove/install TIC valve.
Remove/install VSV actuator.
Remove/install bleed valve controller.
Remove/install IP bleed valves.
Remove/install HP bleed valves.
Remove/install IP bleed valve controller.

ENGINE CONTROL – ATA 76

Review/locate/identify components of power control system.
Review/locate/identify components of control system and control rigging.
Carry out engine control system adjustment/test.
Locate and identify the following unites Thrusts levers.
Locate and identify TLA resolver.
Locate and identify engine fuel control module.
Locate and identify control stand rails, covers and seals.
Locate and identify throttle artificial feel unit.
Locate and identify throttle control unit (TCU functional test).
Locate and identify lever assembly.
Locate and identify components in the engine master control (HP & LP fuel shut off valve control Locate and identify the LP turbine speed prob.

ENGINE INDICATION – ATA 77

Review/discuss MEL maintenance procedure.
Locate and identify EGT indicating system.
Locate and identify EGT thermocouple assembly.
Locate and identify EGT harness.
Locate and identify IP turbine overheat.
Locate and identify vibration transducer.
Locate and identify vibration junction box.
Locate and identify vibration leads.

EXHAUST – ATA 78

Discuss/review thrust reverser MEL maintenance procedures.
Remove/install turbine exhaust plug.
Carry out all task as described in thrust reverser maintenance practice procedure.
Carry out thrust reverser operational.
Carry out thrust reverser operational test (engine not in operation).
Carry out thrust reverser operational test (engine in operation).
Remove/install thrust reverser assembly.
Carry out thrust reverser deactivation/reactivation.
Remove/install thrust reverser tension latches.
Remove/install thrust reverser RVT.
Remove/install thrust reverser directional control unit.
Remove/install pivoting door actuator.

Remove/install pivoting door.
Remove/install door primary lock.
Remove/install T/R latches.
Remove/install pivoting door deflector plates.
Carry out inspection of buffer fitting assembly.
Remove/install thrust reverser isolation control unit.
Locate and identify thrust reverser hydraulic actuator.
Locate and identify thrust reverser directional control unit.
Locate and identify Thrust reverser isolation control unit
Locate and identify thrust reverser hydraulic pressure switch (hydraulic system)
Locate and identify thrust reverser RVDT.
Remove/install T/R cowl door hold open rods.
Remove/identify T/R opening actuator cooling air tube.
Inspection of T/R opening/actuator tubes.
Operational test of the secondary and tertiary locking system.

OIL – ATA 79

Discuss/review MEL maintenance procedures.
Carry out inspection/check of MCD, scavenge and pressure filter assemblies.
Carry out engine oil system check for contamination.
Discuss/review procedure for preservations of main line bearings.
Remove/install oil pump and pressure filter housing.
Remove/install pressure oil filter element.
Remove/install scavenge oil filter element.
Remove/install magnetic chip detectors.
Locate and identify fuel cooled oil cooler.
Locate and identify air oil heat exchanger.
Locate and identify oil system tubes.
Locate and identify oil quantity transmitter.
Locate and identify oil temperature thermocouple.
Locate and identify oil pressure transmitter.
Locate and identify oil filter pressure differential switch.
Locate and identify scavenge filter differential pressure switch.

STARTING – ATA 80

Discuss/review MEL maintenance procedure.
Remove/install pneumatic starter assembly.
Remove/install starter QAD adapter.
Remove/install starter control valve.

ENGINE RUN-UP

ENGINE RUN-UP SESSION

Engine Run experience participation accomplished.

APPENDIX B

TYPICAL SCHEDULE OF INSPECTION/OJT SCHEDULE FOR B 2.1 (Avionics)

Note: The experience shall be in ATA (or equivalent) format as follows:

STANDARD AIRFRAME PRACTICES ATA 20

Wiring and plug/receptacle repair/replacement.

AIRCONDITIONING ATA 21

Locate and identify air conditioning controls/indications in cockpit.

Operational test of air conditioning system through CMS/MCDU.

Locate and identify cockpit air ventilation components.

Operational test of air conditioning bay ventilation system.

Deactivation/activation of overboard extract valve.

Operational test of ditching configuration.

Operational test of low flow warning.

Operational test of blower override function.

Operational test of cooling effect detector.

Operational test of avionics equipment ventilation system through MCDU.

Deactivation/activation of cargo compartment isolation valve.

Locate and identify pressure control and monitoring components.

Operational test of pressure control and monitoring system through MCDU.

Deactivation/activation of safety valve.

Operational test of pressure control module.

Locate and identify air cooling system components.

Deactivation/activation of pack flow control valve.

Operational test of flow control and indication system.

Locate and identify air conditional pack components.

Deactivation/activate temperature control valve.

Operational test of pack control and indication system.

Locate and identify emergency ram air inlet components.

Operational test of emergency ram air inlet system.

Locate and identify cockpit and cabin temperature control system components.

Deactivate/activate trim air valve.

Deactivate/activate trim air pressure valve.

System test of cockpit and cabin temperature control system

Operational test of cockpit and cabin temperature control system.

Temperature control specific data readout.

Locate and identify cockpit and cabin temperature sensors.

AUTOFLIGHT ATA 22

Locate and identify AFS controls and indications.
Operation of true north reference selection.
Operational test of AP engagement and locking devices.
Perform autothrust disconnection check.
Perform autothrust control unit check.
Perform autothrust isolation test.
Perform FM MCDU menu data entry
Perform FMGEC crossloading.
Operational test of MCDU transfer
Operational test of FM source switching.
Operational test of back up nav function.
Perform flight plan entry procedure.
Perform AFS system test.
Perform AFS land CAT 3 capability test.

COMMUNICATION ATA 23

Locate and identify radio and cockpit communications equipment.
Locate and identify cabin communications equipment.
Operational test of HF system.
Perform HF current status/system test.
Operational test of VHF system.
Perform VHF system test.
Operational test of ACARS.
Perform ACARS MCDU menu data entry.
Perform ACARS system test.
Operation and test of SATCOM system.
Operational test of PES music and PSS systems.
Perform PES system test.
Operational test of PVIS system.
Operational test of PES video system.
Operational test of mechanic call.
Operational test of service interphone.
Operation of audio management system.
Operational test of ACP switching.
Operational test of oxygen mask microphone.
Operational test of AIS.
Perform visual inspection of static discharges.
Operational test of CVR.
Operational test of CVR recording logic.
Operational test of CVR erase function.
Perform operation of FAP and PIM.
Operational test of cabin and flight crew interphone system.
Operational test of PA system.
Operational test of passenger call system.

Operational test of passenger lighted signs.
Operational test of cabin signs and loudspeakers through MCDU
Operational of CIDS interface and power up test/ground scan.
Perform cabin layout and zone programming.
Operational test of CPMS.
Perform CPMS system test.
Operational test of RMP
Perform PMP system test.

ELECTRICAL POWER ATA 24

Locate and identify electrical power controls and indications.
Locate and identify electrical power components.
Perform IDG oil level and differential pressure indicator check
Discuss dispatch of aircraft with one IDG inop.
Operational test of bus tie isolation (side 1 & side 2)
Locate and identify GLC, BTC and SIC contactors.
Perform APU GCU system test.
Perform operational test of emergency generation system.
Operation of emergency generator manual connection.
Perform emergency GCU system test.
Operational test of AC essential generation switching.
Operational test of static inverter and DC essential bus supply.
Perform ECMU system test.
Perform operational test of DC main generation switching and TR reset.
Perform operational test of DC essential bus switching and TR reset
Perform BCL system test
Energize the aircraft electrical circuits from the APU generator.
Perform GCU, GPCU system test.
Energize the ground service network.
Operational test of commercial load shedding.
Operational test of land recovery configuration.
Perform CBMU system test

EQUIPMENT AND FURNISHINGS AT 25

Operational test of crew seats.
Removal/installation of ceiling panels.
Removal/installation of PSUs/PIU
Locate and identify galley equipment.
Locate and identify lavatory equipment.
Locate and identify cargo loading system components.
Operational test of cargo door sill latches.
Locate and identify cabin equipment.
Locate and identify passenger compartment escape facilities.
Locate and identify flight deck escape facilities.

FIRE PROTECTION ATA 26

Locate and identify fire detection and extinguishing controls in the cockpit.
Perform operational test of engine fire detection.
Locate and identify fire detection components.
Operational test of ENG FDU through MCDU.
Operational test of APU fire detection system.
Locate and identify APU fire detection system components.
Operational test of APU FDU through MCDU.
Locate and identify avionics smoke detection system components.
Operational test of avionics smoke detection system.
Operational test of smoke detection system.
Operational test of avionics compartment smoke detection system through MCDU
Operational test of lavatory smoke detector through MCDU.
Locate and identify extinguishing components.
Discuss/review engine agent discharge lights.
Locate and identify engine fire extinguishing components.
Operational test of APU fire extinguishing system.
Locate and identify APU fire extinguishing components.
Carry out APU fire test.
Operational test of system and low pressure indicating circuit
Locate and identify portable fire extinguishing components.
Locate and identify lavatory fire extinguishing components.

FLIGHT CONTROLS ATA 27

Locate and identify flight controls and indicating components in the cockpit.
Perform operational test of CMS/MCDU operation.
Locate and identify aileron components.
Perform ailerons operational test.
Locate and identify rudder components.
Perform rudder trim actuation operational unit.
Perform rudder operational test.
Perform operational test of Yaw Damper.
Operational test of Yaw damper servo actuator servoloop.
Operational test of back up Yaw damper through MCDU.
Locate and identify elevator system components.
Perform elevator operational test.
Locate and identify THS components.
Perform operational test of THS.
Discuss/review THS electrical motor deactivation
Locate and identify flap system components.
Carry out extension/retraction of flap/slat system.
Perform SFCC WTB reset for flaps.
Perform WTB engagement test.

Perform SFCC system test
Locate and identify spoiler system components.
Locate and identify slat system components.
Perform operational test of take over and priority function
Perform EFCS system test.
Perform operational test of rudder travel limitation unit return to low speed.

FUEL ATA 28

Locate and identify fuel system controls and indications.
Perform operation test of fuel system through CMS/MCDU.
Locate and identify fuel system components.
Perform operation of main and standby fuel pumps.
Perform operation of APU FWD/AFT fuel feed pump.
Operational test of fuel Crossfeed valve motors.
Operational test of Engine LP fuel valve.
Perform fuel transfer from tank to tank.
Operational test of APU fuel isolation valve.
Check of the tank quantity when the quantity indication is unserviceable
FCMC activate/deactivate.
Perform system test of FCMS.
Perform FMCS valve test.
Perform FCMS level sense test.

HYDRAULIC POWER ATA 29

Locate and identify hydraulic controls and indications.
Perform operational test of hydraulic system using electric pump
Locate and identify hydraulic system components.
Locate and identify hydraulic system service panels.
Perform ground operation of electric pumps.
Perform electric pump phase unbalance test.
Carry out extension/retraction of RAT

ICE AND RAIN PROTECTION ATA 30

Locate and identify ice and rain protection controls and indications in the cockpit
Operational test of Ice and rain protection components.
Perform operational test of wing ice protection system.
Locate and identify engine ice protection components.
Discuss/review MEL implications of engine ice protection valves.
Locate and identify probe ice protection components.
Discuss/review MEL implications of probe heat computer .
Perform operational test of probe ice protection through MCDU.
Locate and identify window/windshield/door ice and rain protection components.
Perform operational test of windshield anti ice and defogging systems through MCDU.
Perform operational test of escape slide locking mechanism ice protection.

Perform operational potable water ice protection via CIDS ground scanning/test.
Locate and identify ice detection components.
Perform system test of ice detection system.

INDICATING AND RECORDING SYSTEMS ATA 31

Locate and identify indicating/recording system controls & indications in cockpit.
Locate and identify indicating/recording system components throughout aircraft.
Perform electrical clock setting.
Perform system test of DFDRS ground scanning.
Perform operational test of FDDRS playback.
Carry out ACMS general operation.
Perform ACMS MCDU menu data entry.
Carry out ACMS parameter call up.
Perform QAR/DAR servicing.
Perform operational test of DMU.
Carry out EIS switching.
Perform system test of FWS.
Perform operational test of auto call out.
Perform EIS start up procedure.
Carry out general operation of EFIS/ECAM control panel.
Perform EIS DU intensity adjustment.
Perform DMC system test.
Perform DMC switching test.
Perform removal/installation of DU.
Discuss/review MEL implications of ECAM DMC switching selector.

LANDING GEAR ATA 32

Carry out a thorough visual check of landing gear system controls & indications in the cockpit
Locate & identify MLG & door components.
Perform opening/closing of gear doors on the ground.
Locate & identify NLG & door components.
Perform opening/closing of NLG doors on the ground.
Carry out a thorough visual check of wheel & brake components
Perform operational test of normal brake system.
Perform alternate braking system test.
Perform operational test of parking brake.
Perform BSCU system test.
Perform normal braking system test.
Perform operational test of brake cooling system.
Perform operational test of landing gear NOT DOWN warning through MCDU.
Discuss/review MEL implications of deactivation of red landing gear NOT DOWN light.)
Carry out simulation of flight with aircraft on ground.
Perform landing gear system test (LGCIU).

LIGHTS ATA 33

Perform removal/installation of bulb & pushbutton body.
Locate and identify cockpit lights components.
Perform operational test of cockpit lights.
Perform annunciator lights test and dimming.
Locate and identify cabin lights components.
Perform operational test of cabin general illumination.
Carry out removal/installation of cabin light filaments and fluorescent tubes
Perform operational test of night lights.
Perform passenger reading lights system test.
Perform operational test of passenger reading lights & attendant call lights
Perform operational test of lavatory lighted signs.
Perform operation of cargo & service lights.
Locate and identify exterior lights components.
Perform operational test of exterior lights.
Locate and identify emergency lighting components.
Perform operational test of emergency lighting through MCDU.
Perform operational test of emergency lighting system.
Perform EPSU localized system test.
Carry out EPSU load programming procedure.

NAVIGATION ATA 34

Carry out a thorough visual check of navigation systems controls & indications in cockpit.
Locate and identify navigation systems components.
Perform ADIRS start procedure.
Perform inertial reference align procedure.
Discuss/review MEL implications of unserviceable IRS.
Perform operational test of Air data switching.
Perform operational test of ATT/HDG switching.
Perform ADR interface test.
Perform ADR system test.
Select and read ADR current status readout.
Perform ALT/CAS dynamic slew tests.
Perform AOA sensor test.
Perform RAT airspeed signal generation.
Discuss the MEL implications of an unserviceable radio altimeter
Perform TCAS operational test.
Perform TCAS system test.
Perform GPWS ground vocabulary test.
Perform GPWC system test.
Perform VOR/DME test through RMP & MCDU.
Perform DME system test.

Perform ATC system test.
Perform ADF test through RMP & MCDU.
Perform ADF system test.
Perform VOR/MKR system test.
Perform GPS system test.

OXYGEN ATA 35

Locate and identify system controls and indications in the cockpit.
Perform operational test of crew oxygen system.
Determine the minimum pressure for MEL dispatch.
Locate and identify passenger oxygen system components.
Perform operational test of the manual door release.
Perform a visual inspection of the smoke hood tamper proof seal
Locate and identify portable oxygen equipment.

PNEUMATICS ATA 36

Locate and identify pneumatic system controls and indications in cockpit
Perform operational test of pneumatic system through CMS/MCDU.
Locate and identify engine bleed air supply components.
Perform BMC system test.
Perform bleed air system CURRENT DATA readout.
Locate and identify APU bleed air supply and crossbleed system components.
Perform operational test of APU pneumatic system.
Perform operational test of crossbleed valve manual mode.
Locate and identify pneumatic leak detection system components

WATER AND WASTE ATA 38

Locate and identify CIDS water/waste indication.
Locate and identify potable water system components.
Perform potable water heater reset functional test.
Perform potable water draining.
Locate and identify waste water system components.
Perform operational test of vacuum system controller from CMS/MCDU

ONBOARD MAINTENANCE SYSTEMS ATA 45

Locate and identify OMS components.
Carry out CMS general operations.
Perform CMC manual switching.
Perform CMC automatic switching operational test.
Perform CLASS 3 report access procedure.
Perform CMC system test.
Perform uploading procedure with MDDU including FMGEC.
Perform MDDU system test.
Carry out printer general operation.

Perform printer system test.
Carry out printer servicing.

APU ATA 49

Locate and identify APU controls and indications in the cockpit
Locate and identify APU components.
Carry out APU start/shutdown procedure.
Perform APU ECB system test.
Locate and identify APU emergency shutdown devices.
Perform operational test of APU emergency shutdown circuit.

DOORS ATA 52

Carry out opening/closing of passenger doors.
Perform check to ensure escape slide disarming when opening door for outside
Discuss and carry out special precaution before performing work on pax doors
Perform opening/closing of fwd/aft cargo doors in normal and manual.
Perform opening/closing of bulk cargo door.
Perform operational test of door warning system.
Carry out deactivation/reactivation of PSCU/proximity switch using brake out panel.
Perform operational test of door indications on ECAM.
Carry out operational test of pax/cargo door indications.
Perform PSCU system test.
Perform PSCU door warning test.
Perform ASPSU localized test.

FUSELAGE ATA 53

Carry out opening/closing of radome.

WINDOWS ATA 56

Carry out opening/closing of cockpit sliding windows.

POWERPLANT ATA 71

Carry out opening/closing of engine cowlings.
Locate and identify engine controls and indications in the cockpit.
Familiarization with main engine layout and component location.

ENGINE FUEL AND CONTROL ATA 73

Locate and identify engine fuel and control components.
Perform system test of FADEC system.
Perform MCDU EIVMU system test.
Retrieve EVIMU specific data read out.

IGNITION ATA 74

Perform MCDU ignition test.
Locate and identify ignition system components.

Discuss/review implication of unserviceable ignition indication system.

ENGINE AIR ATA 76

Locate and identify air system components.

ENGINE INDICATION ATA 77

Perform a thorough visual inspection of engine indications and indicating components.
Discuss/review MEL implications of unserviceable EPR indications.

EXHAUST ATA 78

Locate and identify thrust reverser system components.
Perform operational test of thrust reverser through MCDU.

OIL ATA 79

Perform visual inspection of oil system components.
Discuss/review MEL implications of unserviceable oil quantity indications.
Locate and identify oil quantity indicating system components.
Locate and identify oil pressure indication system components.

STARTING ATA 80

Locate and identify starting system components.
Discuss/review MEL implications of start valve position indicating system.

ROUTINE INSPECTION CHECKS

Carry out weekly/service check.