

 CIVIL AVIATION DIRECTORATE OF THE REPUBLIC OF SERBIA пловидбеност	Практично искуство и ОЈТ листа <i>Appendix II / OJT</i>	Упутство	Стр. 1/13
		датум издања 22.01.2014 датум ревизије -	Издање 1/Рев. 0

APPENDIX II

Aircraft Type Practical Experience and **On-the-Job Training** List of Tasks

 <p>CIVIL AVIATION DIRECTORATE OF THE REPUBLIC OF SERBIA</p> <p>пловидбеност</p>	<p>Практично искуство и ОЈТ листа <i>Appendix II / OJT</i></p>	<p>Упутство</p>	<p>Стр. 2/13</p>
		<p>датум издања 22.01.2014 датум ревизије -</p>	<p>Издање 1/Рев. 0</p>

APPENDIX II

Aircraft Type Practical Experience and **On-the-Job Training** List of Tasks

ATA 05 Time limits/Maintenance checks

1. 100 hour check (general aviation aircraft).
2. "B" or "C" check (transport category aircraft).
3. Assist carrying out a scheduled maintenance check i.a.w. AMM.
4. Review aircraft maintenance log for correct completion.
5. Review records for compliance with Airworthiness Directives.
6. Review records for compliance with component life limits.
7. Procedure for inspection following heavy landing.
8. Procedure for inspection following lightning strike.

ATA 06 Dimensions/Areas

1. Locate component(s) by zone/station number.
2. Perform symmetry check.

ATA 07 Lifting and Shoring

Assist in:

1. Jack aircraft nose or tail wheel.
2. Jack complete aircraft.
3. Sling or trestle major component.

ATA 08 Levelling/Weighing

1. Level aircraft.
2. Weigh aircraft.
3. Prepare weight and balance amendment.
4. Check aircraft against equipment list.

ATA 09 Towing and Taxiing

1. Prepare for aircraft towing.
2. Tow aircraft.
3. Be part of aircraft towing team.

ATA 10 Parking and Mooring

1. Tie down aircraft.
2. Park, secure and cover aircraft.
3. Position aircraft in maintenance dock.
4. Secure rotor blades.

ATA 11 Placards and Markings

1. Check aircraft for correct placards.
2. Check aircraft for correct markings.

ATA 12 Servicing

1. Refuel aircraft.
2. Defuel aircraft.

 <p>CIVIL AVIATION DIRECTORATE OF THE REPUBLIC OF SERBIA</p> <p>пловидбеност</p>	<p>Практично искуство и ОЈТ листа <i>Appendix II / OJT</i></p>	<p>Упутство</p>	<p>Стр. 3/13</p>
		<p>датум издања 22.01.2014 датум ревизије -</p>	<p>Издање 1/Рев. 0</p>

3. Carry out tank to tank fuel transfer.
4. Check/adjust tire pressures.
5. Check/replenish oil level.
6. Check/replenish hydraulic fluid level.
7. Check/replenish accumulator pressure.
8. Charge pneumatic system.
9. Grease aircraft.
10. Connect ground power.
11. Service toilet/potable water system.
12. Perform preflight/daily check.

ATA 18 Vibration and Noise Analysis

1. Analyse helicopter vibration problem.
2. Analyse noise spectrum.
3. Analyse engine vibration.

ATA 21 Air Conditioning

1. Replace combustion heater.
2. Replace flow control valve.
3. Replace outflow valve.
4. Replace safety valve.
5. Replace vapour cycle unit.
6. Replace air cycle unit.
7. Replace cabin blower.
8. Replace heat exchanger.
9. Replace pressurisation controller.
10. Clean outflow valves.
11. Deactivate/reactivate cargo isolation valve.
12. Deactivate/reactivate avionics ventilation components.
13. Check operation of air conditioning/heating system.
14. Check operation of pressurisation system.
15. Troubleshoot faulty system.

ATA 22 Auto flight

1. Install servos.
2. Rig bridle cables.
3. Replace controller.
4. Replace amplifier.
5. Replacement of the auto flight system LRUs in case of fly-by-wire aircraft.
6. Check operation of auto-pilot.
7. Check operation of auto-throttle/auto-thrust.
8. Check operation of yaw damper.
9. Check and adjust servo clutch.
10. Perform autopilot gain adjustments.
11. Perform mach trim functional check.
12. Troubleshoot faulty system.
13. Check autoland system.
14. Check flight management systems.
15. Check stability augmentation system.

ATA 23 Communications

1. Replace VHF com unit.
2. Replace HF com unit.

 <p>CIVIL AVIATION DIRECTORATE OF THE REPUBLIC OF SERBIA</p> <p>пловидбеност</p>	<p>Практично искуство и ОЈТ листа <i>Appendix II / OJT</i></p>	<p>Упутство</p>	<p>Стр. 4/13</p>
		<p>датум издања 22.01.2014 датум ревизије -</p>	<p>Издање 1/Рев. 0</p>

3. Replace existing antenna.
4. Replace static discharge wicks.
5. Check operation of radios.
6. Perform antenna VSWR check.
7. Perform Selcal operational check.
8. Perform operational check of passenger address system.
9. Functionally check audio integrating system.
10. Repair coaxial cable.
11. Troubleshoot faulty system.

ATA 24 Electrical Power

1. Charge lead/acid battery.
2. Charge Ni-Cad battery.
3. Check battery capacity.
4. Deep-cycle Ni-Cad battery.
5. Replace integrated drive/generator/alternator.
6. Replace switches.
7. Replace circuit breakers.
8. Adjust voltage regulator.
9. Change voltage regulator.
10. Amend electrical load analysis report.
11. Repair/replace electrical feeder cable.
12. Troubleshoot faulty system.
13. Perform functional check of integrated drive/generator/alternator.
14. Perform functional check of voltage regulator.
15. Perform functional check of emergency generation system.

ATA 25 Equipment/Furnishings

1. Replace carpets.
2. Replace crew seats.
3. Replace passenger seats.
4. Check inertia reels.
5. Check seats/belts for security.
6. Check emergency equipment.
7. Check ELT for compliance with regulations.
8. Repair toilet waste container.
9. Remove and install ceiling and sidewall panels.
10. Repair upholstery.
11. Change cabin configuration.
12. Replace cargo loading system actuator.
13. Test cargo loading system.
14. Replace escape slides/ropes.

ATA 26 Fire protection

1. Check fire bottle contents.
2. Check/test operation of fire/smoke detection and warning system.
3. Check cabin fire extinguisher contents.
4. Check lavatory smoke detector system.
5. Check cargo panel sealing.
6. Install new fire bottle.
7. Replace fire bottle squib.
8. Troubleshoot faulty system.
9. Inspect engine fire wire detection systems.

 <p>CIVIL AVIATION DIRECTORATE OF THE REPUBLIC OF SERBIA</p> <p>пловидбеност</p>	<p>Практично искуство и ОЈТ листа <i>Appendix II / OJT</i></p>	<p>Упутство</p>	<p>Стр. 5/13</p>
		<p>датум издања 22.01.2014 датум ревизије -</p>	<p>Издање 1/Рев. 0</p>

ATA 27 Flight Controls

1. Inspect primary flight controls and related components i.a.w. AMM.
2. Extending/retracting flaps & slats.
3. Replace horizontal stabiliser.
4. Replace spoiler/lift damper.
5. Replace elevator.
6. Deactivation/reactivation of aileron servo control.
7. Replace aileron.
8. Replace rudder.
9. Replace trim tabs.
10. Install control cable and fittings.
11. Replace slats.
12. Replace flaps.
13. Replace powered flying control unit.
14. Replace flat actuator.
15. Rig primary flight controls.
16. Adjust trim tab.
17. Adjust control cable tension.
18. Check control range and direction of movement.
19. Check for correct assembly and locking.
20. Troubleshoot faulty system.
21. Functional test of primary flight controls.
22. Functional test of flap system.
23. Operational test of the side stick assembly.
24. Operational test of the THS.
25. THS system wear check.

ATA 28 Fuel

1. Water drain system (operation).
2. Replace booster pump.
3. Replace fuel selector.
4. Replace fuel tank cells.
5. Replace/test fuel control valves.
6. Replace magnetic fuel level indicators.
7. Replace water drain valve.
8. Check/calculate fuel contents manually.
9. Check filters.
10. Flow check system.
11. Check calibration of fuel quantity gauges.
12. Check operation feed/selectors.
13. Check operation of fuel dump/jettison system.
14. Fuel transfer between tanks.
15. Pressure defuel.
16. Pressure refuel (manual control).
17. Deactivation/reactivation of the fuel valves (transfer defuel, X-feed, refuel).
18. Troubleshoot faulty system.

ATA 29 Hydraulics

1. Replace engine-driven pump.
2. Check/replace case drain filter.
3. Replace standby pump.

 <p>CIVIL AVIATION DIRECTORATE OF THE REPUBLIC OF SERBIA</p> <p>пловидбеност</p>	<p>Практично искуство и ОЈТ листа <i>Appendix II / OJT</i></p>	<p>Упутство</p>	<p>Стр. 6/13</p>
		<p>датум издања 22.01.2014 датум ревизије -</p>	<p>Издање 1/Рев. 0</p>

4. Replace hydraulic motor pump/generator.
5. Replace accumulator.
6. Check operation of shut off valve.
7. Check filters/clog indicators.
8. Check indicating systems.
9. Perform functional checks.
10. Pressurisation/depressurisation of the hydraulic system.
11. Power Transfer Unit (PTU) operation.
12. Replacement of PTU.
13. Troubleshoot faulty system.

ATA 30 Ice and rain protection

1. Replace pump.
2. Replace timer.
3. Inspect repair propeller deice boot.
4. Test propeller de-icing system.
5. Inspect/test wing leading edge de-icer boot.
6. Replace anti-ice/deice valve.
7. Install wiper motor.
8. Check operation of systems.
9. Operational test of the pitot-probe ice protection.
10. Operational test of the TAT ice protection.
11. Operational test of the wing ice protection system.
12. Assistance to the operational test of the engine air-intake ice protection (with engines operating).
13. Troubleshoot faulty system.

ATA 31 Indicating/recording systems

1. Replace flight data recorder.
2. Replace cockpit voice recorder.
3. Replace clock.
4. Replace master caution unit.
5. Replace FDR.
6. Perform FDR data retrieval.
7. Troubleshoot faulty system.
8. Implement ESDS procedures.
9. Inspect for HIRF requirements.
10. Start/stop EIS procedure.
11. Bite test of the CFDIU.
12. Ground scanning of the central warning system.

ATA 32 Landing Gear

1. Build up wheel.
2. Replace main wheel.
3. Replace nose wheel.
4. Replace steering actuator.
5. Replace truck tilt actuator.
6. Replace gear retraction actuator.
7. Replace uplock/downlock assembly.
8. Replace shimmy damper.
9. Rig nose wheel steering.
10. Functional test of the nose wheel steering system.
11. Replace shock strut seals.

 <p>CIVIL AVIATION DIRECTORATE OF THE REPUBLIC OF SERBIA</p> <p>пловидбеност</p>	<p>Практично искуство и ОЈТ листа <i>Appendix II / OJT</i></p>	<p>Упутство</p>	<p>Стр. 7/13</p>
		<p>датум издања 22.01.2014 датум ревизије -</p>	<p>Издање 1/Рев. 0</p>

12. Servicing of shock strut.
13. Replace brake unit.
14. Replace brake control valve.
15. Bleed brakes.
16. Replace brake fan.
17. Test anti skid unit.
18. Test gear retraction.
19. Change bungees.
20. Adjust micro switches/sensors.
21. Charge struts with oil and air.
22. Troubleshoot faulty system.
23. Test auto-brake system.
24. Replace rotorcraft skids.
25. Replace rotorcraft skid shoes.
26. Pack and check floats.
27. Flotation equipment.
28. Check/test emergency blowdown (emergency landing gear extension).
29. Operational test of the landing gear doors.

ATA 33 Lights

1. Repair/replace rotating beacon.
2. Repair/replace landing lights.
3. Repair/replace navigation lights.
4. Repair/replace interior lights.
5. Replace ice inspection lights.
6. Repair/replace logo lights.
7. Repair/replace emergency lighting system.
8. Perform emergency lighting system checks.
9. Troubleshoot faulty system.

ATA 34 Navigation

1. Calibrate magnetic direction indicator.
2. Replace airspeed indicator.
3. Replace altimeter.
4. Replace air data computer.
5. Replace VOR unit.
6. Replace ADI.
7. Replace HSI.
8. Check pitot static system for leaks.
9. Check operation of directional gyro.
10. Functional check weather radar.
11. Functional check doppler.
12. Functional check TCAS.
13. Functional check DME.
14. Functional check ATC Transponder.
15. Functional check flight director system.
16. Functional check inertial nav system.
17. Complete quadrantal error correction of ADF system.
18. Update flight management system database.
19. Check calibration of pitot static instruments.
20. Check calibration of pressure altitude reporting system.
21. Troubleshoot faulty system.
22. Check marker systems.
23. Compass replacement direct/indirect.

 <p>CIVIL AVIATION DIRECTORATE OF THE REPUBLIC OF SERBIA</p> <p>пловидбеност</p>	<p>Практично искуство и ОЈТ листа <i>Appendix II / OJT</i></p>	<p>Упутство</p>	<p>Стр. 8/13</p>
		<p>датум издања 22.01.2014 датум ревизије -</p>	<p>Издање 1/Рев. 0</p>

24. Check Satcom.
25. Check GPS.
26. Test AVM.

ATA 35 Oxygen

1. Inspect on-board oxygen equipment.
2. Purge and recharge oxygen system.
3. Replace regulator.
4. Replace oxygen generator.
5. Test crew oxygen system.
6. Perform auto oxygen system deployment check.
7. Troubleshoot faulty system.

ATA 36 Pneumatic systems

1. Replace filter.
2. Replace air shut off valve.
3. Replace pressure regulating valve.
4. Replace compressor.
5. Recharge dessicator.
6. Adjust regulator.
7. Check for leaks.
8. Troubleshoot faulty system.

ATA 37 Vacuum systems

1. Inspect the vacuum system i.a.w. AMM.
2. Replace vacuum pump.
3. Check/replace filters.
4. Adjust regulator.
5. Troubleshoot faulty system.

ATA 38 Water/Waste

1. Replace water pump.
2. Replace tap.
3. Replace toilet pump.
4. Perform water heater functional check.
5. Troubleshoot faulty system.
6. Inspect waste bin flap closure.

ATA 45 Central Maintenance System

1. Retrieve data from CMU.
2. Replace CMU.
3. Perform Bite check.
4. Troubleshoot faulty system.

ATA 51 Structures

1. Assessment of damage.
2. Sheet metal repair.
3. Fibre glass repair.
4. Wooden repair.
5. Fabric repair.
6. Recover fabric control surface.
7. Treat corrosion.

 <p>CIVIL AVIATION DIRECTORATE OF THE REPUBLIC OF SERBIA</p> <p>пловидбеност</p>	<p>Практично искуство и ОЈТ листа <i>Appendix II / OJT</i></p>	<p>Упутство</p>	<p>Стр. 9/13</p>
		<p>датум издања 22.01.2014 датум ревизије -</p>	<p>Издање 1/Рев. 0</p>

8. Apply protective treatment.

ATA 52 Doors

1. Inspect passenger door i.a.w. AMM.
2. Rig/adjust locking mechanism.
3. Adjust air stair system.
4. Check operation of emergency exits.
5. Test door warning system.
6. Troubleshoot faulty system.
7. Remove and install passenger door i.a.w. AMM.
8. Remove and install emergency exit i.a.w. AMM.
9. Inspect cargo door i.a.w. AMM.

ATA 56 Windows

1. Replace windshield.
2. Replace direct vision window.
3. Replace cabin window.
4. Repair transparency.

ATA 57 Wings

1. Skin repair.
2. Recover fabric wing.
3. Replace tip.
4. Replace rib.
5. Replace integral fuel tank panel.
6. Check incidence/rig.

ATA 61 Propeller

1. Assemble prop after transportation.
2. Replace propeller.
3. Replace governor.
4. Adjust governor.
5. Perform static functional checks.
6. Check operation during ground run.
7. Check track.
8. Check setting of micro switches.
9. Assessment of blade damage i.a.w. AMM.
10. Dynamically balance prop.
11. Troubleshoot faulty system.

ATA 62 Main Rotors

1. Install rotor assembly.
2. Replace blades.
3. Replace damper assembly.
4. Check track.
5. Check static balance.
6. Check dynamic balance.
7. Troubleshoot.

ATA 63 Rotor Drive

1. Replace mast.
2. Replace drive coupling.

 <p>CIVIL AVIATION DIRECTORATE OF THE REPUBLIC OF SERBIA</p> <p>пловидбеност</p>	<p>Практично искуство и ОЈТ листа <i>Appendix II / OJT</i></p>	<p>Упутство</p>	<p>Стр. 10/13</p>
		<p>датум издања 22.01.2014 датум ревизије -</p>	<p>Издање 1/Рев. 0</p>

3. Replace clutch/freewheel unit.
4. Replace drive belt.
5. Install main gearbox.
6. Overhaul main gearbox.
7. Check gearbox chip detectors.

ATA 64 Tail Rotors

1. Install rotor assembly.
2. Replace blades.
3. Troubleshoot.

ATA 65 Tail Rotor Drive

1. Replace bevel gearbox.
2. Replace universal joints.
3. Overhaul bevel gearbox.
4. Install drive assembly.
5. Check chip detectors.
6. Check/install bearings and hangers.
7. Check/service/assemble flexible couplings.
8. Check alignment of drive shafts.
9. Install and rig drive shafts.

ATA 67 Rotorcraft flight controls

1. Install swash plate.
2. Install mixing box.
3. Adjust pitch links.
4. Rig collective system.
5. Rig cyclic system.
6. Rig anti-torque system.
7. Check controls for assembly and locking.
8. Check controls for operation and sense.
9. Troubleshoot faulty system.

ATA 71 Power Plant

1. Build up ECU.
2. Replace engine.
3. Repair cooling baffles.
4. Repair cowling.
5. Adjust cowl flaps.
6. Repair faulty wiring.
7. Troubleshoot.
8. Assist in dry motoring check.
9. Assist in wet motoring check.
10. Assist in engine start (manual mode).

ATA 72 Piston Engines

1. Remove/install reduction gear.
2. Check crankshaft run-out.
3. Check tappet clearance.
4. Check compression.
5. Extract broken stud.
6. Install helicoil.

 <p>CIVIL AVIATION DIRECTORATE OF THE REPUBLIC OF SERBIA</p> <p>пловидбеност</p>	<p>Практично искуство и ОЈТ листа <i>Appendix II / OJT</i></p>	Упутство	Стр. 11/13
		<p>датум издања 22.01.2014 датум ревизије -</p>	Издање 1/Рев. 0

7. Perform ground run.
8. Establish/check reference RPM.
9. Troubleshoot.

ATA 72 Turbine Engines

1. Replace module.
2. Replace fan blade.
3. Hot section inspection/borescope check.
4. Carry out engine/compressor wash.
5. Carry out engine dry cycle.
6. Engine ground run.
7. Establish reference power.
8. Trend monitoring/gas path analysis.
9. Troubleshoot.

ATA 73 Fuel and control, piston

1. Replace engine driven pump.
2. Adjust AMC.
3. Adjust ABC.
4. Install carburettor/injector.
5. Adjust carburettor/injector.
6. Clean injector nozzles.
7. Replace primer line.
8. Check carburettor float setting.
9. Troubleshoot faulty system.

ATA 73 Fuel and control, turbine

1. Replace FCU.
2. Replace Engine Electronic Control Unit (FADEC).
3. Replace Fuel Metering Unit (FADEC).
4. Replace engine driven pump.
5. Clean/test fuel nozzles.
6. Clean/replace filters.
7. Adjust FCU.
8. Troubleshoot faulty system.
9. Functional test of FADEC.

ATA 74 Ignition systems, piston

1. Change magneto.
2. Change ignition vibrator.
3. Change plugs.
4. Test plugs.
5. Check H.T. leads.
6. Install new leads.
7. Check timing.
8. Check system bonding.
9. Troubleshoot faulty system.

ATA 74 Ignition systems, turbine

1. Perform functional test of the ignition system.
2. Check glow plugs/ignitors.
3. Check H.T. leads.

 <p>CIVIL AVIATION DIRECTORATE OF THE REPUBLIC OF SERBIA</p> <p>пловидбеност</p>	<p>Практично искуство и ОЈТ листа <i>Appendix II / OJT</i></p>	<p>Упутство</p>	<p>Стр. 12/13</p>
		<p>датум издања 22.01.2014 датум ревизије -</p>	<p>Издање 1/Рев. 0</p>

4. Check ignition unit.
5. Replace ignition unit.
6. Troubleshoot faulty system.

ATA 76 Engine Controls

1. Rig thrust lever.
2. Rig RPM control.
3. Rig mixture HP cock lever.
4. Rig power lever.
5. Check control sync (multi-eng).
6. Check controls for correct assembly and locking.
7. Check controls for range and direction of movement.
8. Adjust pedestal micro-switches.
9. Troubleshoot faulty system.

ATA 77 Engine Indicating

1. Replace engine instruments(s).
2. Replace oil temperature bulb.
3. Replace thermocouples.
4. Check calibration.
5. Troubleshoot faulty system.

ATA 78 Exhaust, piston

1. Replace exhaust gasket.
2. Inspect welded repair.
3. Pressure check cabin heater muff.
4. Troubleshoot faulty system.

ATA 78 Exhaust, turbine

1. Change jet pipe.
2. Change shroud assembly.
3. Install trimmers.
4. Inspect/replace thrust reverser.
5. Replace thrust reverser component.
6. Deactivate/reactivate thrust reverser.
7. Operational test of the thrust reverser system.

ATA 79 Oil

1. Change oil.
2. Check filter(s).
3. Adjust pressure relief valve.
4. Replace oil tank.
5. Replace oil pump.
6. Replace oil cooler.
7. Replace firewall shut off valve.
8. Perform oil dilution test.
9. Troubleshoot faulty system.

ATA 80 Starting

1. Replace starter.
2. Replace start relay.
3. Replace start control valve.

 <p>CIVIL AVIATION DIRECTORATE OF THE REPUBLIC OF SERBIA</p> <p>пловидбеност</p>	<p>Практично искуство и ОЈТ листа <i>Appendix II / OJT</i></p>	<p>Упутство</p>	<p>Стр. 13/13</p>
		<p>датум издања 22.01.2014 датум ревизије -</p>	<p>Издање 1/Рев. 0</p>

4. Check cranking speed.
5. Troubleshoot faulty system.

ATA 81 Turbines, piston engines

1. Replace PRT.
2. Replace turbo-blower.
3. Replace heat shields.
4. Replace waste gate.
5. Adjust density controller.

ATA 82 Engine water injection

1. Replace water/methanol pump.
2. Flow check water/methanol system.
3. Adjust water/methanol control unit.
4. Check fluid for quality.
5. Troubleshoot faulty system

ATA 83 Accessory gear boxes

1. Replace gearbox.
2. Replace drive shaft.
3. Inspect magnetic chip detector.

ATA 49 APU

1. Removal/installation of the APU.
2. Removal/installation of the inlet guide-vane actuator.
3. Operational test of the APU emergency shut-down test.
4. Operational test of the APU.