Liikenne- ja viestintävirasto
Finnish Transport and Communications Agency

AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

Määritelmät:

Practical experience:	Käytännön kokemus huoltotöistä haettuun ilma-alustyyppikelpuutukseen.
ATA:	ATA järjestelmän mukainen numero, johon suoritettu työtehtävä sisältyy
Task description:	Suoritetun työtehtävän kuvaus
Relevant tasks*:	Kyseiseen konetyyppiin liittyvien soveliaiden tehtävien lukumäärä kyseisessä ATA ryhmässä
Relevant*:	Kyseinen tehtävä on/ei ole sovelias haetun tyyppimerkinnän ja lupakirjaluokan/alaryhmän suhteen
Manual reference*:	Viittaus kyseiseen tehtävään liittyvään huoltokorttiin tms.
Replaces task #:	Korvattavan tehtävän numero
Applicable for:	Kertoo onko kyseinen ATA ryhmä sovelias kaikille ilma-aluksille vai vain esim. helikoptereille
Date:	Tehtävän suoritusajankohta (päivä.kuukausi.vuosi)
A/C reg.:	Ilma-aluksen tunnus (esim. OH-ABC)
Tasks performed:	Suoritettujen tehtävien lukumäärä kyseisessä ATA ryhmässä
Trainee:	Tyyppimerkinnän hakijan nimikirjoitus/leima
Supervisor:	Tehtävän valvojan nimikirjoitus ja lupakirjan numero/leima

Tähti (*) merkitsee, että valvoja täyttää kyseiset sarakkeet käytännön kokemuksen (practical experience) suunnitteluvaiheessa. Suoritettavia tehtäviä valittaessa on huomioitava tehtävän soveliaisuus kyseiseen konetyyppiin ja haettuun lupakirjaluokkaan. Lisäksi suunnitelmassa on otettava huomioon tehtävien monipuolisuus, vaativuus, toistuvuus, turvallisuusvaikutukset ja kyseisen ilma-alustyypin mahdolliset uudet ominaisuudet. Suunnitelman tyhjille riveille voidaan myös lisätä korvaavia, ko. ilma-alustyyppiin paremmin soveltuvia tehtäviä.

Suunnitellusta sisällöstä on tyyppimerkinnän hakijan suoritettava vähintään 50 %. Käytännön kokemuksen voi hankkia kokonaisuudessaan ennen tyyppikoetta. Jokaisesta soveliaasta ATA ryhmästä on suoritettava vähintään 1 tehtävä. Alempaan ilma-alusryhmään kuuluvan ilma-aluksen tyyppikelpuutuksen voi suorittaa myös täyttämällä ylemmän ilma-alusryhmän vaatimukset.

Tyyppiarviointi ja siihen liittyvä käytännön kokemus on suoritettava kokonaisuudessaan 3 vuoden sisään lupakirjahakemuksesta. Hakemuslomake EASA Form 19 liitteineen toimitetaan Liikenne- ja viestintäviraston kirjaamoon. Lisätietoja lupakirjat@traficom.fi.

Tässä lokikirjassa on 71 sivua. Sivujen poistaminen ei ole sallittua.

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Liikenne- ja viestintävirasto
Finnish Transport and Communications Agency

AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

Applicant and training details	
Trainee name and signature:	
Date of birth:	
Part-66 licence number:	
Approved maintenance organisation name and location:	
Aircraft type rating and group:	Group ☐ 2 ☐ 3
Licence (sub)category:	☐ B1.1 ☐ B1.2 ☐ B1.3 ☐ B1.4 ☐ B2 ☐ B3
Date of Group 2 type evaluation:	_____ . _____ .20 _____
Start date:	_____ . _____ .20 _____
End date:	_____ . _____ .20 _____

This logbook is used for demonstration of

☐ Practical experience according to 66.A.45(d): Group 2 type rating with type examination and practical experience

☐ Practical experience according to 66.A.45(f): Full Group 3 rating with practical experience

☐ Practical experience according to 66.A.45(g): B3 "piston-engine non-pressurised aeroplanes of 2000 kg MTOM and below" -rating with practical experience

☐ Removal of structural limitation according to 66.A.50(b) and AMC

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA		Page No.	No. of relevant tasks (total)	No. of tasks performed
05	Time limits/Maintenance checks	6	(8)	
06	Dimensions/Areas	7	(2)	
07	Lifting and Shoring	8	(3)	
08	Levelling/Weighing	9	(4)	
09	Towing and Taxiing	10	(3)	
10	Parking and Mooring	11	(4)	
11	Placards and Markings	12	(2)	
12	Servicing	13	(12)	
18	Vibration and Noise Analysis	14	(3)	
21	Air Conditioning	15	(15)	
22	Auto flight	17	(15)	
23	Communications	19	(12)	
24	Electrical Power	20	(15)	
25	Equipment/Furnishings	22	(14)	
26	Fire protection	24	(9)	
27	Flight Controls	25	(25)	
28	Fuel	27	(18)	
29	Hydraulics	29	(13)	
30	Ice and rain protection	31	(13)	
31	Indicating/recording systems	32	(12)	
32	Landing Gear	33	(28)	
33	Lights	36	(9)	
34	Navigation	37	(12)+(6)+(6)	
35	Oxygen	40	(7)	
36	Pneumatic systems	41	(8)	
37	Vacuum systems	42	(5)	
38	Water/Waste	43	(6)	
45	Central Maintenance System	44	(4)	

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA		Page No.	No. of relevant tasks (total)	No. of tasks performed
51	Structures	45	(8)	
52	Doors	46	(9)	
56	Windows	47	(4)	
57	Wings	48	(6)	
61	Propeller	49	(11)	
62	Main Rotors	50	(7)	
63	Rotor Drive	51	(7)	
64	Tail Rotors	52	(3)	
65	Tail Rotor Drive	53	(9)	
67	Rotorcraft flight controls	54	(9)	
71	Power Plant	55	(10)	
72	Piston Engines	56	(9)	
72	Turbine Engines	57	(9)	
73	Fuel and control, piston	58	(9)	
73	Fuel and control, turbine	59	(9)	
74	Ignition systems, piston	60	(9)	
74	Ignition systems, turbine	61	(6)	
76	Engine Controls	62	(9)	
77	Engine Indicating	63	(5)	
78	Exhaust, piston	64	(4)	
78	Exhaust, turbine	65	(7)	
79	Oil	66	(9)	
80	Starting	67	(5)	
81	Turbines, piston engines	68	(5)	
82	Engine water injection	69	(5)	
83	Accessory gear boxes	70	(3)	
49	APU - Airborne Auxiliary power	71	(4)	
Sum			(483)	

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

Instructions for supervisors:

Regarding the day-to-day supervision of the practical experience programme in the approved maintenance organisation and the role of the supervisor(s), the following should be considered:

... It is sufficient that the completion of individual practical experience tasks is confirmed by the direct supervisor(s).

... During the day-to-day practical experience performance, the supervision aims at overseeing the complete process, including task completion, use of manuals and procedures, observance of safety measures, warnings and recommendations and adequate behaviour in the maintenance environment.

... The supervisor(s) should personally observe the work being performed to ensure the safe completion and should be readily available for consultation, if needed during the practical experience performance.

... The supervisor(s) should countersign the tasks and release the maintenance tasks as the trainee is still not qualified to do so.

... The supervisor(s) should therefore:

- ✓ have certifying staff or support staff privileges relevant to the practical experience tasks;
- ✓ be competenxt for the selected tasks;
- ✓ be safety-orientated;
- ✓ be capable to coach (setting objectives, giving training, performing supervision, evaluating, handling trainee's reactions and cultural issues, managing debriefing sessions objectively and positively, determining the need for extra training or reorientating the training, reporting, etc.);
- ✓ be designated by the approved maintenance organisation to carry out the supervision.

Filling my personal information in the list below, I hereby declare that I have read and understood my responsibilities concerning this practical experience:

Supervisor name	Part-66 licence no.	Type rating/Category	CRS privileges	Signature/stamp

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 05	Time limits Maintenance checks	Relevant tasks:*		(total number of)	Applicable for: All A/C		Tasks performed:	(total number of)
#	Task description	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
1	100 hour check (general aviation aircraft).	(yes/no)	(job card/work sheet/ tech log etc.)					
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.							
(9)				(task # here)				

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 06	Dimensions/Areas	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task description	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
1	Locate component(s) by zone/station number.							
2	Perform symmetry check.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 07	Lifting and Shoring	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task description	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
1	Assist in: Jack aircraft nose or tail wheel.							
2	Assist in: Jack complete aircraft.							
3	Assist in: Sling or trestle major component.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 08	Levelling/Weighing	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task description	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
1	Level aircraft.							
2	Weigh aircraft.							
3	Prepare weight and balance amendment.							
4	Check aircraft against equipment list.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 09	Towing and Taxiing	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task description	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
1	Prepare for aircraft towing.							
2	Tow aircraft.							
3	Be part of aircraft towing team.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 10	Parking and Mooring	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
1	Tie down aircraft.							
2	Park, secure and cover aircraft.							
3	Position aircraft in maintenance dock.							
4	Secure rotor blades.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 11	Placards and Markings	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
1	Check aircraft for correct placards.							
2	Check aircraft for correct markings.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 12	Servicing	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
1	Refuel aircraft.							
2	Defuel aircraft.							
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.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 18	Vibration and Noise Analysis	Relevant tasks:*			Applicable for: Helicopters		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
1	Analyse helicopter vibration problem.							
2	Analyse noise spectrum.							
3	Analyse engine vibration.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 21	Air Conditioning	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 21	Air Conditioning	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
12	Deactivate/reactivate avionics ventilation components.							
13	Check operation of air conditioning/heating system.							
14	Check operation of pressurisation system.							
15	Troubleshoot faulty system.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 22	Auto flight	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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.							

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ATA: 22	Auto flight	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
13	Check autoland system.							
14	Check flight management systems.							
15	Check stability augmentation system.							

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ATA: 23	Communications	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
1	Replace VHF com unit.							
2	Replace HF com unit.							
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.							
12	Check SATCOM							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 24	Electrical Power	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 24	Electrical Power	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
13	Perform functional check of integrated drive/ generator/alternator.							
14	Perform functional check of voltage regulator.							
15	Perform functional check of emergency generation system.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 25	Equipment/Furnishings	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 25	Equipment/Furnishings	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
13	Test cargo loading system.							
14	Replace escape slides/ropes.							

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ATA: 26	Fire protection	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 27	Flight Controls	Relevant tasks:*			Applicable for: Aeroplanes		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
1	Inspect primary flight controls and related components i.a.w.							
2	Extending/retracting flaps & slats.							
3	Replace horizontal stabiliser (or component).							
4	Replace spoiler/lift damper (or component).							
5	Replace elevator (or component).							
6	Deactivation/reactivation of aileron servo control.							
7	Replace aileron (or component).							
8	Replace rudder (or component).							
9	Replace trim tabs.							
10	Install control cable and fittings.							
11	Replace slats (or component).							
12	Replace flaps (or component).							
13	Replace powered flying control unit.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 27	Flight Controls	Relevant tasks:*			Applicable for: Aeroplanes		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
14	Replace flap 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.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 28	Fuel	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 28	Fuel	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 29	Hydraulics	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
1	Replace engine-driven pump.							
2	Check/replace case drain filter.							
3	Replace standby pump.							
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.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 30	Ice and rain protection	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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).							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 30	Ice and rain protection	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
13	Troubleshoot faulty system.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 31	Indicating/recording systems	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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.							

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ATA: 32	Landing Gear	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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.							
12	Replace brake unit.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 32	Landing Gear	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
13	Replace brake control valve.							
14	Bleed brakes.							
15	Replace brake fan.							
16	Test anti skid unit.							
17	Test gear retraction.							
18	Change bungees.							
19	Adjust micro switches/sensors.							
20	Charge struts with oil and air.							
21	Troubleshoot faulty system.							
22	Test auto-brake system.							
23	Replace rotorcraft skids.							
24	Replace rotorcraft skid shoes.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 32	Landing Gear	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
25	Pack and check floats.							
26	Flotation equipment.							
27	Check/test emergency blowdown (emergency landing gear extension).							
28	Operational test of the landing gear doors.							
	(Servicing of shock strut.)							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 33	Lights	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 34	**Navigation –** Instruments	**Relevant tasks:***			**Applicable for:** All A/C		**Tasks performed:**	
#	**Task details**	**Relevant***	**Manual reference***	**Replaces task #***	**Date**	**A/C reg.**	**Trainee**	**Supervisor**
1	Troubleshoot faulty system.							
2	Calibrate magnetic direction indicator.							
3	Replace airspeed indicator.							
4	Replace altimeter.							
5	Replace air-data computer.							
6	Replace ADI.							
7	Replace HSI.							
8	Check pitot static system for leaks.							
9	Check operation of directional gyro.							
10	Check calibration of pitot static instruments.							
11	Compass replacement direct/indirect.							
12	Functional check flight director system.							

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ATA: 34	**Navigation –** Surveillance	**Relevant tasks:***			**Applicable for:** All A/C		**Tasks performed:**	
#	**Task details**	**Relevant***	**Manual reference***	**Replaces task #***	**Date**	**A/C reg.**	**Trainee**	**Supervisor**
1	Troubleshoot faulty system.							
2	Functional check weather radar.							
3	Functional check doppler.							
4	Functional check TCAS.							
5	Functional check ATC transponder.							
6	Check calibration of pressure altitude reporting system.							

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ATA: 34	Navigation	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
1	Functional check inertial navigation system.							
2	Complete quadrantal error correction of ADF system.							
3	Check GPS.							
4	Test AVM.							
5	Check marker systems.							
6	Functional check DME.							

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ATA: 35	Oxygen	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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.							

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ATA: 36	Pneumatic systems	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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.							

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ATA: 37	Vacuum systems	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
1	Inspect the vacuum system i.a.w. AMM.							
2	Replace vacuum pump.							
3	Check/replace filters.							
4	Adjust regulator.							
5	Troubleshoot faulty system.							

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ATA: 38	Water/Waste	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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.							

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ATA: 45	Central Maintenance System	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
1	Retrieve data from CMU.							
2	Replace CMU.							
3	Perform Bite check.							
4	Troubleshoot faulty system.							

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ATA: 51	Structures	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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.							
8	Apply protective treatment.							

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ATA: 52	Doors	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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.							
(10)	(Removal and installation of slide assembly)							

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ATA: 56	Windows	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
1	Replace windshield.							
2	Replace direct vision window.							
3	Replace cabin window.							
4	Repair transparency.							

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ATA: 57	Wings	Relevant tasks:*			Applicable for: Airplanes		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
1	Skin repair.							
2	Recover fabric wing.							
3	Replace tip.							
4	Replace rib.							
5	Replace integral fuel tank panel.							
6	Check incidence/rig.							

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ATA: 61	Propeller	Relevant tasks:*			Applicable for: Airplanes		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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.							

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ATA: 62	Main Rotors	Relevant tasks:*			Applicable for: Helicopters		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
1	Install rotor assembly.							
2	Replace blades.							
3	Replace damper assembly.							
4	Check track.							
5	Check static balance.							
6	Check dynamic balance.							
7	Troubleshoot.							

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ATA: 63	Rotor Drive	Relevant tasks:*			Applicable for: Helicopters		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
1	Replace mast.							
2	Replace drive coupling.							
3	Replace clutch/freewheel unit.							
4	Replace drive belt.							
5	Install main gearbox.							
6	Overhaul main gearbox.							
7	Check gearbox chip detectors.							

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ATA: 64	Tail Rotors	Relevant tasks:*			Applicable for: Helicopters		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
1	Install rotor assembly.							
2	Replace blades.							
3	Troubleshoot.							

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ATA: 65	Tail Rotor Drive	Relevant tasks:*			Applicable for: Helicopters		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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.							

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ATA: 67	Rotorcraft flight controls	Relevant tasks:*			Applicable for: Helicopters		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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.							

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ATA: 71	Power Plant	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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).							

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ATA: 72	Piston Engines	Relevant tasks:*			Applicable for: Piston Engines		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
1	Remove/install reduction gear.							
2	Check crankshaft run-out.							
3	Check tappet clearance.							
4	Check compression.							
5	Extract broken stud.							
6	Install helicoil.							
7	Perform ground run.							
8	Establish/check reference RPM.							
9	Troubleshoot.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 72	Turbine Engines	Relevant tasks:*			Applicable for: Turbine Engines		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 73	Fuel and control, piston	Relevant tasks:*			Applicable for: Piston engines		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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.							

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ATA: 73	Fuel and control, turbine	Relevant tasks:*			Applicable for: Turbine engines		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 74	Ignition systems, piston	Relevant tasks:*			Applicable for: Piston engines		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 74	Ignition systems, turbine	Relevant tasks:*			Applicable for: Turbine engines		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
1	Perform functional test of the ignition system.							
2	Check glow plugs/ignitors.							
3	Check H.T. leads.							
4	Check ignition unit.							
5	Replace ignition unit.							
6	Troubleshoot faulty system.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 76	Engine Controls	Relevant tasks:*			Applicable for: All airplanes		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 77	Engine Indicating	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
1	Replace engine instruments(s).							
2	Replace oil temperature bulb.							
3	Replace thermocouples.							
4	Check calibration.							
5	Troubleshoot faulty system.							

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ATA: 78	Exhaust, piston	Relevant tasks:*			Applicable for: Piston engines		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
1	Replace exhaust gasket.							
2	Inspect welded repair.							
3	Pressure check cabin heater muff.							
4	Troubleshoot faulty system.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 78	Exhaust, turbine	Relevant tasks:*			Applicable for: Turbine engines		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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.							

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ATA: 79	Oil	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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.							

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ATA: 80	Starting	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
1	Replace starter.							
2	Replace start relay.							
3	Replace start control valve.							
4	Check cranking speed.							
5	Troubleshoot faulty system.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 81	Turbines, piston engines	Relevant tasks:*			Applicable for: Piston engines		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
1	Replace PRT.							
2	Replace turbo-blower.							
3	Replace heat shields.							
4	Replace waste gate.							
5	Adjust density controller.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 82	Engine water injection	Relevant tasks:*			Applicable for: Turbine engines		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 83	Accessory gear boxes	Relevant tasks:*			Applicable for: All A/C		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
1	Replace gearbox.							
2	Replace drive shaft.							
3	Inspect magnetic chip detector.							

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AIRCRAFT MAINTENANCE ENGINEER'S PRACTICAL EXPERIENCE LOGBOOK

ATA: 49	APU - Airborne Auxiliary power	Relevant tasks:*			Applicable for: Turbine engines		Tasks performed:	
#	Task details	Relevant*	Manual reference*	Replaces task #*	Date	A/C reg.	Trainee	Supervisor
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.							
	(Inspect hot section.)							
	(Troubleshoot faulty system.)							

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