Civil Aviation Authority of Mongolia

Maintenance Training and Experience Logbook

(CAA 6601)

Contents

Section 1.1 - Personal Information

Surname:		**Given name:**		**AMEL No.**	
Family name:				**CAA ID:**	
Nationality:		**D.O.B:**		**Special Code:**	
Address:					
City:					
Country:					
Email:		**Phone:**		**Mobile:**	
Change of Details					
Address:					
Email:		**Phone:**		**Mobile:**	
Address:					
Email:		**Phone:**		**Mobile:**	

Anyone who finds this Personal Training Record (PTR) should return it to the person named above or to the CAA of Mongolia

Section 1.2 - Instructions for use

General Information

Please download the PDF file of this MTEL to your computer with Adobe Reader to enable user-friendly format which provides simplified smart filling features.
This MTEL is the preferred means of providing documentary evidence to demonstrate the training and experience requirements for the issue and subsequent amendment of a Part 66 Aircraft Maintenance Engineers' Licence (AMEL).

It may be used in support of the following:

- Initial issue of an AMEL
- Issue of additional category(s)
- Issue of rating(s)
- Issue of a Maintenance Approval.

Completion is the responsibility of the Owner of the MTEL and should be completed in accordance with these instructions for use.

CAA information on the requirements for the issue and amendment of an AMEL are contained in Rule Part 66 and AC66-1. These are available on the CAA website (**www.mcaa.gov.mn**).

This MTEL will not be distributed in printed version. Please print necessary pages on one side of the landscape A5 paper and collect them in your personal binder with page numbering.
For this logbook please enter all dates in dd/mmm/yyyy format, for example: 11/Jul/2021

1.1 - Personal Information

This information shall be kept current by the Owner.

1.3 - Record of Employment

The Owner shall record changes of employer and job or, position changes with the same employer. This shall be validated by a representative of the employer.

Section 1.2 - Instructions for use - continued

1.4 - Register of Validating Engineers

Each maintenance task must be validated by an appropriately licensed or approved Engineer.

Assessors or Expert Witnesses should place their ID number in the appropriate column.

The validating engineer shall complete the register, one time only, to verify status of certification authority. When certifying validations in the 'Experience' section use initials and line number from this register. Certification in the verification column indicates that the validating Engineer has directly supervised the Owner carrying out one of the following:

(P) - Personally performed the task

(A) - Taken an active interest in

(T) - Received instruction or on the job training.

In completing the 'Details of the Maintenance Task' column, it should be clearly annotated with P, A or T to indicate the individuals involvement in the task.

2.1 - Examination History

The Owner shall record examination history.

2.2 - Courses and Qualifications

The Owner shall record courses and qualifications completed.

2.3 - Record of Employer/Company Authorisations

The Owner shall record authorisations gained. This shall be validated by a representative of the employer

2.4 - Assessment History

The Owner shall be responsible for making this page available for the relevant agencies to complete. This shall be validated by the relevant representative of the agency.

Section 1.2 - Instructions for use - continued

3.0 - Experience Record

Each AMEL Category has a separate section with a Category Divider. As a guide, the applicable ATA Chapters for that Category are listed on this divider.

Some of the Airframe Systems ATA Chapters (20 - 49) may apply to a number of categories depending on which part of the system is being maintained. Reference should be made to **AC66-1 Appendix 3** for specific information on the category privileges demarcations.

Appendix 1 lists all the common ATA Chapters and the most common sub-chapters to 4 digits. Reference should also be made to the Aircraft or Component Maintenance Manual / Instructions for Continued Airworthiness (ICAs) being maintained.

Experience should be recorded in a separate sub-section for the appropriate rating group or specific type rating of the relevant category section. There is a space at the top of each page to record the relevant rating.

> *e.g. for Section 3.1 Aeroplane Category - may have separate sub-sections for Group 1, Group 2 and any individual type ratings (Group 5 or 6) that the Owner is gaining experience on.*

There should be sufficient detail to describe the task to allow an assessment to see that a range of various maintenance tasks have been completed for the unit standard (U.S.), category, or rating being applied for.

In the '**Details of Maintenance Task**' column indicate that one of the following actions has been carried out:

> *(P) - Personally performed the task*
>
> *(A) - Taken an active interest in*
>
> *(T) - Received instruction or on the job training.*

Each maintenance task must be validated by an appropriately licensed or approved Engineer (refer above 1.4.).

Appendix 2 is provided as a guide, for a list of typical task relevant to the various ATA Chapters - this is not a comprehensive list of all tasks that could be completed.

Section 1.3 - Record of Employment

The Owner shall record changes of employer and job or, position changes with the same employer. This shall be validated by a representative of the employer.

No.	Employer / Company	Position Held	From	To	Verifier's Name & Position	Verifier's Signature	Verifier's Date

Section 1.4 - Register of Validating Engineers

The validating Engineer shall complete the register below, once only, to verify the status of the certified authority. When certifying in the 'Experience' section, use initials and the line number from this register.

No.	Employer / Company	Position Held	From	To	Verifier's Name & Position	Verifier's Signature	Verifier's Date

Name_____

Section 2.1 - Examination History - Basic Trade Exams, AMEL Exams, Rating Exams

The Owner shall record examination history.

Date Passed	Exam detail Trade / AMEL / Rating	Exam Number	Examination Authority	Result

Section 2.2 - Courses and Qualifications

The Owner shall record all courses and qualifications completed.

Date	Course / Qualification Details	Training Agency / Provider	Result

Section 2.3 - Record of Employer/Company Authorisations

The Owner shall record authorisations gained. This must be validated by a representative of the employer/company.

Date Issued	Authorisation Details	Employer / Company	Issuing Officer	AME / Company No.

Section 2.4 - Assessment History - Operator QA, MCAA

The Owner is responsible for making this Assessment History available for the relevant agencies to complete. This must be validated by the relevant representative of the Assessing agency.

Date	Licence / category / rating Approval Required	Assessors Result	Assessing Officer	Position	Assessing Agency	Validation Stamp

Name_____

Section 3.1 - Practical Experience Record - *Aeroplane Category _____ Rating 201 (Year)*

Date (dd/mmm)	ATA No.	A/C Reg. and Job No.	A/C Type or Component	Details of Maintenance Task	Hrs	Validating Eng. No. & Initials	

Name_____

Section 3.2 – Practical Experience Record - *Rotorcraft Category _____ Rating 201 (Year)*

Date (dd/mmm)	ATA No.	A/C Reg. and Job No.	A/C Type or Component	Details of Maintenance Task	Hrs	Validating Eng. No. & Initials	

Name_____

Section 3.3 - Practical Experience Record - *Powerplant Category _____ Rating 201 (Year)*

Date (dd/mmm)	ATA No.	A/C Reg. and Job No.	A/C Type or Component	Details of Maintenance Task	Hrs	Validating Eng. No. & Initials	

Name_____

Section 3.4 - Practical Experience Record - *Electrical Category _____ Rating 201 (Year)*

Date (dd/mmm)	ATA No.	A/C Reg. and Job No.	A/C Type or Component	Details of Maintenance Task	Hrs	Validating Eng. No. & Initials	

Name_____

Section 3.5 - Practical Experience Record - *Instrument Category _____ Rating 201 (Year)*

Date (dd/mmm)	ATA No.	A/C Reg. and Job No.	A/C Type or Component	Details of Maintenance Task	Hrs	Validating Eng. No. & Initials	

Name_____

Section 3.6 - Practical Experience *Record - Radio Category _____ Rating 201 (Year)*

Date (dd/mmm)	ATA No.	A/C Reg. and Job No.	A/C Type or Component	Details of Maintenance Task	Hrs	Validating Eng. No. & Initials	

Name_____

Appendix 1 - ATA Chapter Listing (from ATA iSpec 2200) *Note: Some manufacturers may use own numbering*

04	**AIRWORTHINESS LIMITATIONS**	2240	System Monitor	2580	Insulation
05	**TIME LIMITS / MAINTENANCE CHECKS**	2250	Aerodynamic Load Alleviating	**26**	**FIRE PROTECTION**
		23	**COMMUNICATIONS**	2600	General
06	**DIMENSIONS & AREAS**	2300	General	2610	Detection
07	**LIFTING & SHORING**	2310	Speech Communications	2620	Extinguishing
08	**LEVELING & WEIGHING**	2315	SATCOM	2630	Explosion Suppression
09	**TOWING & TAXING**	2320	Data Transmission & Auto Call	**27**	**FLIGHT CONTROLS**
10	**PARKING & MOORING**	2330	PA & Entertainment	2700	General
11	**PLACARDS & MARKINGS**	2340	Interphone	2710	Aileron & Tab
12	**SERVICING**	2350	Audio Integrating	2720	Rudder & Tab
1210	Replenishing	2360	Static Discharging	2730	Elevator & Tab
1220	Scheduled Servicing	2370	Audio & Video Monitoring	2740	Horizontal Stabilizer
1230	Unscheduled Servicing	2380	Integrated Automatic Tuning	2750	Flaps
18	**VIBRATION/NOISE ANALYSIS (HELICOPTER)**	**24**	**ELECTRICAL POWER**	2760	Spoiler & Drag Devises
		2400	General	2770	Gust Lock & Damper
20	**STANDARD PRACTICES AIRFRAME**	2410	Alternator/Generator Drive	2780	Lift Augmenting
21	**AIR CONDITIONING**	2420	AC Generation	**28**	**FUEL**
2100	Air conditioning system general	2430	DC Generation	2800	General
2110	Compressor	2440	External Power	2810	Storage
2120	Air distribution	2450	AC Electrical Load Distribution	2820	Distribution
2130	Pressurization Control	2460	DC Electrical Load Distribution	2830	Dump
2140	Heating	**25**	**EQUIPMENT & FURNISHINGS**	2840	Indicating
2150	Cooling	2500	General	**29**	**HYDRAULIC POWER**
2160	Temperature Control	2510	Flight Compartment	2900	General
2170	Moisture Control	2520	Passenger Compartment	2910	Main
22	**AUTO FLIGHT**	2530	Galley	2920	Auxiliary
2200	General	2540	Lavatories	2930	Indicating
2210	Autopilot	2550	Cargo Compartments		
2220	Speed - Attitude correction	2560	Emergency equipment		
2230	Auto Throttle	2570	Accessory Compartments		

Appendix 1 - ATA Chapter Listing (from ATA iSpec 2200) *Note: Some manufacturers may use own numbering*

30	**ICE & RAIN PROTECTION**	**33**	**LIGHTS**	3810	Potable
3000	General	3300	General	3820	Wash
3010	Airfoil	3310	Flight Compartment	3830	Waste Disposal
3020	Air Intakes	3320	Passenger Compartment	3840	Air Supply (water press sys)
3030	Pitot & Static	3330	Cargo & Service Compartments	**39**	**ELECTRONIC PANEL & MULTI PURPOSE COMPONENTS**
3040	Windows/Windshields & Doors	3340	Exterior		
3050	Antennas & Radomes	3350	Emergency	**41**	**WATER BALLAST**
3060	Props / Rotors	**34**	**NAVIGATION**	**42**	**INTERGRATED MODULAR AVIONICS**
3070	Water Lines	3400	General		
3080	Ice Detection	3410	Flight Environment Data	**44**	**CABIN SYSTEMS**
31	**INDICATING & RECORDING SYSTEMS**	3420	Attitude & Direction	4400	General
		3430	Landing & Taxiing Aids	4410	Cabin Core
3100	General	3440	Independ. Position Determining	4420	Inflight Entertainment
3110	Instrument & Control Panels	3450	Dependent Position Determining	4430	External Communication
3120	Independ. Instrument s (clock, etc)	3460	Flt. Management Computing	**45**	**CENTRAL MAINTENANCE SYSTEM (CMS)**
3130	Data Recorders (flight/maint)	**35**	**OXYGEN**		
3140	Central Computers (e.g. EICAS)	3500	General	**46**	**INFORMATION SYSTEMS**
3150	Central Warning	3510	Crew	**49**	**AIRBORNE AUXILIARY POWER**
3160	Central Display	3520	Passenger	4900	General
3170	Automatic Data Reporting	3530	Portable	4910	Power Plant
32	**LANDING GEAR**	**36**	**PNEUMATIC**	4920	Engine
3200	General	3600	General	4930	Fuel & Control
3210	Main Gear	3610	Distribution	4940	Ignition/Starting
3220	Nose / Tail Gear	3620	Indicating	4950	Air
3230	Gear Extension & Retraction	**37**	**VACUUM**	4960	Engine Controls
3240	Wheels & Brakes	3700	General	4970	Indicating
3250	Steering	3710	Distribution	4980	Exhaust
3260	Position & Warning	3720	Indicating	4990	Oil
3270	Supp. Gear (tail/rotorcraft skid)	**38**	**WATER WASTE**	**50**	**CARGO & ACCESSORY COMPARTMENTS**
		3800	General		

Appendix 1 - ATA Chapter Listing (from ATA iSpec 2200) *Note: Some manufacturers may use own numbering*

51	**STD. PRACTICES & STRUCTURES**	5610	Flight Compartment	6330	Mounts & Attachments
52	**DOORS**	5620	Passenger Compartment	6340	Indicating
5200	General	5630	Door	**64**	**TAIL ROTOR**
5210	Passenger / Crew	5640	Inspection & Observation	6400	General
5220	Emergency Exit	**57**	**WINGS**	6410	T/R Blades
5230	Cargo / Baggage	5700	General	6420	T/R Head
5240	Service & Misc.	5710	Central Wing	6440	Indicating
5250	Fixed Interior	5720	Outer Wing	**65**	**TAIL ROTOR DRIVE**
5260	Entrance Stairs	5730	Wing Tip	6500	General
5270	Monitoring & Operation	5740	Leading Edge & LE Devices	6510	Drive Shafts
5280	Landing Gear	5750	Trialing Edge & TE Devices	6520	Gearboxes
53	**FUSELAGE**	5760	Ailerons & Elevons	6540	Indicating
5300	General	5770	Spoilers	**66**	**FOLDING BLADES / PYLON**
5310	Main Structure	**60**	**STD. PRACTICES PROPS/ROTOR**	**67**	**ROTORS FLIGHT CONTROL**
5320	Auxiliary structure	**61**	**PROPELLERS / PROPULSION**	6700	General
5330	Plates / Skins (aux fuselage)	6100	General	6710	M/R Control
5340	Attachment fittings	6110	Propeller Assembly	6720	T/R (Yaw) Control
5350	Aerodynamic Fairings Structure	6120	Controlling System	6730	Servo - control System
54	**NACELLES/PYLONS**	6130	Braking	**70**	**STD. PRACTICES - ENGINE**
5400	General	6140	Indicating	**71**	**POWER PLANT**
5410	Nacelle Section	**62**	**ROTOR(S)**	7100	General
5450	Pylon	6200	General	7110	Cowling
55	**STABILIZERS**	6210	M/R Blades	7120	Mounts
5500	General	6220	M/R Head(s)	7130	Fireseals
5510	Horizontal Stabilizer	6230	M/R Mast / Swashplate	7140	Attach. Fittings
5520	Elevator	6240	M/R Indicating	7150	Electrical Harness
5530	Vertical Stabilizer	**63**	**ROTOR DRIVE(S)**	7160	Air Intake
5540	Rudder	6300	General	7170	Engine Drains
56	**WINDOWS**	6310	Engine / Gearbox Coupling		
5600	General	6320	Gearbox(es)		

Appendix 1 - ATA Chapter Listing (from ATA iSpec 2200) *Note: Some manufacturers may use own numbering*

72	**ENGINE - Turbine/Turbo Prop.**	**77**	**ENGINE INDICATING**	**83**	**ACCESSORY GEAR BOXES - Remote to Engine**
7200	General	7700	General		
7210	Reduction Gear, Shaft Section	7710	Power	8300	General
7220	Air Inlet Section (core eng)	7720	Temperature	8310	Drive Shaft Section
7230	Compressor Section	7730	Analyzers	8320	Gearbox Section
7240	Combustion section	7740	Integrated Engine Inst. System	**84**	**PROPULSION AUGMENTATION**
7250	Turbine Section	**78**	**EXHAUST**	**85**	**ENGINE - Reciprocating**
7260	Accessory Drives	7800	General	8500	General
7270	By - pass Section	7810	Collector / Nozzle	8510	Front Section
7280	Propulsion Section	7820	Noise Suppressor	8520	Power Section
73	**ENGINE FUEL & CONTROL**	7830	Thrust Reverser	8530	Cylinder Section
7300	General	7840	Supplementary Air	8540	Rear Section
7310	Distribution	**79**	**OIL**	8550	Oil System
7320	Controlling	7900	General	**91**	**CHARTS**
7330	Indicating	7910	Storage (airframe furnish.)		
74	**ENGINE IGNITION**	7920	Distribution (airframe furnish.)		
7400	General	7930	Indicating		
7410	Electrical Power Supply	**80**	**STARTING**		
7420	Distribution (ignition harness)	8000	General		
7430	Switching	8010	Cranking		
75	**ENGINE AIR**	**81**	**TURBINES - Recip. Engines**		
7500	General	8100	General		
7510	Engine Anti - Icing	8110	Power Recovery		
7520	Engine Cooling	8120	Turbo - Supercharger		
7530	Compressor Control	**82**	**WATER INJECTION**		
7540	Indicating	8200	General		
76	**ENGINE CONTROLS**	8210	Storage		
7600	General	8220	Distribution		
7610	Power Controls	8240	Indicating		
7620	Emergency shutdown system	8230	Dumping & Purging		

Appendix 2 - List of Typical Tasks by ATA Chapter

5	**Time limits/Maintenance checks**
	Scheduled Inspections - e.g.
	• 100 hour check (GA aircraft).
	• A ,B or C type checks (transport category aircraft).
	Review records for compliance with airworthiness directives.
	Review records for compliance with component life limits.
	Procedure for Inspection following heavy landing.
	Procedure for Inspection following lightning strike.
6	**Dimensions/Areas**
	Locate component(s) by station number.
	Perform symmetry check.
7	**Lifting and Shoring**
	Assist in:
	Jack aircraft nose or tail wheel.
	Jack complete aircraft.
	Sling or trestle major component.
8	**Levelling/Weighing**
	Level aircraft.
	Weigh aircraft.
	Prepare W & B amendment.
	Check aircraft against equipment list.
9	**Towing and Taxiing**
	Tow aircraft.
	Be part of aircraft towing team.
10	**Parking and mooring**
	Tie down aircraft.
	Park, secure and cover aircraft.
	Position aircraft in dock.
	Secure rotor blades.
11	**Placards and Markings**
	Check aircraft for correct placards.
	Check aircraft for correct markings.
12	**Servicing**
	Refuel aircraft.
	Defuel aircraft.
	Check tire pressures.
	Check oil level.
	Check hydraulic fluid level.
	Check accumulator pressure.
	Charge pneumatic system.
	Grease aircraft.
	Connect ground power.
	Service toilet/water system
	Perform pre-flight/daily check
18	**Vibration and Noise Analysis**
	Analyse helicopter vibration problem.
	Analyse noise spectrum.
21	**Air Conditioning**
	Replace combustion heater.
	Replace outflow valve.
	Replace vapour cycle unit.
	Replace air cycle unit.
	Replace cabin blower.
	Replace heat exchanger.
	Replace pressurisation controller.
	Clean outflow valves.
	Check operation of air conditioning/heating system
	Check operation of pressurisation system
	Troubleshoot faulty system
22	**Auto flight**
	Install servos.
	Rig bridle cables
	Replace controller.
	Replace amplifier.
	Check operation of auto-pilot.
	Check operation of auto-throttle.
	Check operation of yaw damper.
	Check and adjust servo clutch.
	Perform autopilot gain adjustments.
	Perform mach trim functional check.
	Troubleshoot faulty system.
	Check autoland system
	Check flight management systems
	Check stability augmentation system
23	**Communications**
	Replace VHF com unit.
	Replace HF com unit.
	Replace existing antenna.
	Replace static discharge wicks.
	Check operation of radios.
	Perform antenna VSWR check.
	Perform Selcal operational check.
	Perform operational check of passenger address system.

Appendix 2 - List of Typical Tasks by ATA Chapter

	Functionally check audio integrating system.
	Repair co-axial cable.
	Troubleshoot faulty system.
24	**Electrical Power.**
	Charge lead/acid battery
	Charge ni-cad battery.
	Check battery capacity.
	Deep-cycle ni-cad battery.
	Replace generator/alternator.
	Replace switches.
	Replace circuit breakers.
	Adjust voltage regulator.
	Amend electrical load analysis report.
	Repair/replace electrical feeder cable.
	Troubleshoot faulty system
25	**Equipment/Furnishings**
	Replace carpets
	Replace crew seats.
	Replace passenger seats.
	Check inertia reels.
	Check seats/belts for security.
	Check emergency equipment.
	Check ELT for compliance with regulations
	Repair toilet waste container.
	Repair upholstery.
	Change cabin configuration.
26	**Fire protection**
	Check fire bottle contents.
	Check operation of warning system.
	Check cabin fire extinguisher contents.
	Check lavatory smoke detector system.
	Install new fire bottle.
	Replace fire bottle squib.
	Troubleshoot faulty system.
	Inspect engine fire wire detection systems
27	**Flight Controls**
	Replace horizontal stabiliser.
	Replace elevator.
	Replace aileron.
	Replace rudder.
	Replace trim tabs.
	Install control cable and fittings.
	Replace flaps.
	Replace powered flying control unit
	Replace flap actuator
	Adjust trim tab.
	Adjust control cable tension.
	Check control range and sense of movement.
	Check for correct assembly and locking.
	Troubleshoot faulty system.
28	**Fuel**
	Replace booster pump.
	Replace fuel selector.
	Replace fuel tank cells.
	Check filters.
	Flow check system.
	Check calibration of fuel quantity gauges.
	Check operation feed/selectors
	Troubleshoot faulty system.
29	**Hydraulics**
	Replace engine driven pump.
	Replace standby pump.
	Replace accumulator.
	Check operation of shut off valve.
	Check filters.
	Check indicating systems.
	Perform functional checks.
	Troubleshoot faulty system.
30	**Ice and rain protection**
	Replace pump.
	Replace timer.
	Install wiper motor.
	Check operation of systems.
	Troubleshoot faulty system.
31	**Indicating/recording systems**
	Replace flight data recorder.
	Replace cockpit voice recorder.
	Replace clock.
	Replace master caution unit.
	Replace FDR.
	Perform FDR data retrieval.
	Troubleshoot faulty system.
	Implement ESDS procedures
	Inspect for HIRF requirements
32	**Landing Gear**
	Build up wheel.
	Replace main wheel.
	Replace nose wheel.
	Replace shimmy damper.

Appendix 2 - List of Typical Tasks by ATA Chapter

	Rig nose wheel steering.		Functional check Doppler.		Adjust regulator.
	Replace shock strut seals.		Functional check TCAS.		Check for leaks.
	Replace brake unit.		Functional check DME	37	Troubleshoot faulty system.
	Replace brake control valve.		Functional check ATC Transponder		**Vacuum systems**
	Bleed brakes.		Functional check flight director system.		Replace vacuum pump.
	Test anti skid unit.		Functional check inertial nav system.		Check/replace filters.
	Test gear retraction.		Complete quadrantal error correction of ADF system.		Adjust regulator.
	Change bungees.				Troubleshoot faulty system.
	Adjust micro switches.		Update flight management system database.	38	**Water/Waste**
	Charge struts.		Check calibration of pitot static instruments.		Replace water pump.
	Troubleshoot faulty system.		Check calibration of pressure altitude reporting system.		Replace tap.
	Test outbrake system				Replace toilet pump.
33	**Lights**		Troubleshoot faulty system	45	Troubleshoot faulty system.
	Repair/replace rotating beacon.		Check marker systems		**Central Maintenance System**
	Repair/replace landing lights.		Compass replacement direct/indirect		Retrieve data from CMU.
	Repair/replace navigation lights.		Check Satcom		Replace CMU.
	Repair/replace interior lights.		Check GPS		Perform Bite check.
	Repair/replace emergency lighting system.		Test AVM		Troubleshoot faulty system.
	Perform emergency lighting system checks.	35	**Oxygen**	49	**Airborne Auxiliary power**
	Troubleshoot faulty system		Inspect on board oxygen equipment.		Install APU.
34	**Navigation**		Purge and recharge oxygen system.		Inspect hot section.
	Calibrate magnetic direction indicator.		Replace regulator.	51	Troubleshoot faulty system.
	Replace airspeed indicator.		Replace oxygen generator.		**Structures**
	Replace altimeter.		Test crew oxygen system.		Sheet metal repair.
	Replace air data computer.		Perform auto oxygen system deployment check.		Fibre glass repair.
	Replace VOR unit.				Wooden repair.
	Replace ADI.		Troubleshoot faulty system.		Fabric repair.
	Replace HSI.	36	**Pneumatic systems**		Recover fabric control surface.
	Check pitot static system for leaks.		Replace filter.		Treat corrosion.
	Check operation of directional gyro.		Replace compressor.		Apply protective treatment.
	Functional check weather radar.		Recharge dessicator.		

Appendix 2 - List of Typical Tasks by ATA Chapter

52	**Doors**
	Rig/adjust locking mechanism.
	Adjust air stair system.
	Check operation of emergency exits.
	Test door warning system.
	Troubleshoot faulty system.
56	**Windows**
	Replace windshield.
	Replace window.
	Repair transparency.
57	**Wings**
	Skin repair.
	Recover fabric wing.
	Replace tip.
	Replace rib.
	Check incidence/rig.
61	**Propeller**
	Assemble prop after transportation.
	Replace propeller.
	Replace governor. Adjust governor.
	Perform static functional checks.
	Check operation during ground run.
	Check track.
	Check setting of micro switches.
	Dress out blade damage.
	Dynamically balance prop.
	Troubleshoot faulty system.
62	**Main Rotors**
	Install rotor assembly.
	Replace blades.
	Replace damper assembly.
	Check track.
	Check static balance.
	Check dynamic balance.
	Troubleshoot.
63	**Rotor Drive**
	Replace mast.
	Replace drive coupling.
	Replace clutch/freewheel unit
	Replace drive belt.
	Install main gearbox.
	Overhaul main gearbox.
	Check gearbox chip detectors.
64	**Tail Rotors**
	Install rotor assembly.
	Replace blades.
	Troubleshoot.
65	**Tail Rotor Drive**
	Replace bevel gearbox.
	Replace universal joints.
	Overhaul bevel gearbox.
	Install drive assembly.
	Check chip detectors.
67	**Rotorcraft flight controls**
	Install swash plate.
	Install mixing box.
	Adjust pitch links.
	Rig collective system.
	Rig cyclic system.
	Rig anti - torque system.
	Check controls for assembly and locking.
	Check controls for operation and sense.
	Troubleshoot faulty system.
71	**Power Plant**
	Build up ECU.
	Replace engine.
	Repair cooling baffles.
	Repair cowling.
	Adjust cowl flaps.
	Repair faulty wiring.
	Troubleshoot.
72	**Piston Engines**
	Remove/install reduction gear.
	Check crankshaft run-out.
	Check tappet clearance.
	Check compression.
	Extract broken stud.
	Install helicoil.
	Perform ground run.
	Establish/check reference RPM.
	Troubleshoot.
72	**Turbine Engines**
	Replace module.
	Hot section inspection.
	Engine ground run.
	Establish reference power.
	Trend monitoring/gas path analysis.
	Troubleshoot.
73	**Fuel and control, piston**
	Replace engine driven pump.
	Adjust AMC.
	Adjust ABC.
	Install carburettor/injector.

Appendix 2 - List of Typical Tasks by ATA Chapter

	Adjust carburettor/injector.
	Clean injector nozzles.
	Replace primer line.
	Check carburettor float setting.
	Troubleshoot faulty system.
73	**Fuel and control, turbine**
	Replace FCU.
	Replace engine driven pump.
	Clean/test fuel nozzles.
	Clean/replace filters.
	Adjust FCU.
	Troubleshoot faulty system.
74	**Ignition systems, piston**
	Change magneto.
	Change ignition vibrator.
	Change plugs.
	Test plugs.
	Check H.T. leads.
	Install new leads.
	Check timing.
	Check system bonding.
	Troubleshoot faulty system.
74	**Ignition systems, turbine**
	Check glow plugs/igniters.
	Check H.T. leads.
	Check ignition unit.
	Replace ignition unit.
	Troubleshoot faulty system.
76	**Engine Controls**
	Rig thrust lever.
	Rig RPM control.
	Rig mixture HP cock lever.
	Rig power lever.
	Check control sync (multi-eng).
	Check controls for correct assembly and locking.
	Check controls for range and sense of operation.
	Adjust pedestal micro-switches.
	Troubleshoot faulty system.
77	**Engine Indicating**
	Replace engine instruments(s).
	Replace oil temperature bulb.
	Replace thermocouples.
	Check calibration.
	Troubleshoot faulty system.
78	**Exhaust, piston**
	Replace exhaust gasket.
	Inspect welded repair.
	Pressure check cabin heater muff.
	Troubleshoot faulty system.
78	**Exhaust, turbine**
	Change jet pipe.
	Change shroud assembly.
	Install trimmers.
79	**Oil**
	Change oil.
	Check filter(s).
	Adjust pressure relief valve.
	Replace oil tank.
	Replace oil pump.
	Replace oil cooler.
	Replace firewall shut off valve.
	Perform oil dilution.
	Troubleshoot faulty system
80	**Starting**
	Replace starter.
	Replace start relay.
	Replace start control valve.
	Check cranking speed.
	Troubleshoot faulty system.
81	**Turbines, piston engines**
	Replace PRT.
	Replace turbo-blower.
	Replace heat shields.
	Replace waste gate.
	Adjust density controller.
82	**Engine water injection**
	Replace water/methanol pump.
	Flow check water/methanol sys
	Adjust water/methanol control u
	Check fluid for quality.
	Troubleshoot faulty system
83	**Accessory gear boxes**
	Replace gearbox.
	Replace drive shaft.
	Check chip detector.

Appendix 3 - AMEL Basic Examination requirements

Advisory Circular	Subject Code	Subject Name	Licence Category							
			Aeroplane	Rotorcraft	Power plant		Electrical	Instrument	Radio	LTA
					Piston	Turbine				
AC66-2.1A	1A	Aero. Science - Maths & Physics	✓	✓	✓	✓	✓	✓	✓	
AC66-2.1B	1B	Aero. Science - Electrical Fund.	✓	✓	✓	✓	✓	✓	✓	
AC66-2.2	2	Aircraft Engineering Knowledge	✓	✓	✓	✓	✓	✓	✓	
AC66-2.3	3	Aircraft Materials	✓	✓	✓	✓	✓	✓	✓	
AC66-2.4	4	Aeroplanes I	✓		2		✓	✓	✓	
AC66-2.5	5	Aeroplanes II	1							
AC66-2.6	6	Rotorcraft		✓	2					
AC66-2.7	7	Piston Engines			✓					
AC66-2.8	8	Turbine Engines				✓				
AC66-2.11	11	Avionics I	✓	✓	✓	✓	✓	✓	✓	
AC66-2.12	12	Avionics II					3	4	5	
AC66-2.13	13	Electrical Systems					3			
AC66-2.14	14	Instruments Systems						4		
AC66-2.15	15	Radio Systems							5	
AC66-2.16	16	Compass Compensation	✓	✓				✓		
AC66-2.17	17	Human Factors	✓	✓	✓	✓	✓	✓	✓	
AC66-2.18	18	Lighter-Than-Air								✓
AC66-2.20	20	Air Law - Written	✓	✓	✓	✓	✓	✓	✓	✓
AC66-2.21	21	Air Law - Oral	✓	✓	✓	✓	✓	✓	✓	✓
		Number of examinations	10	10	10	10	9	10	9	3