+
ÉPÍTÉSI ÉS KÖZLEKEDÉSI
MINISZTÉRIUM

Gyakorlati tapasztalati összesítő légijármű karbantartó szakszolgálati engedély kérelemhez

A 1321/2014/EU rendelet alapján

1. KÉRELMEZŐ ADATAI	
Vezetéknév:	Keresztnév:
Születési hely:	Születési idő:
Szakszolgálati engedély száma:	Kibocsátás kelte:

2. MUNKAADÓ ADATAI	
Szervezet neve:	
Levelezési cím:	
Város:	Irányítószám:
AMO jóváhagyási hivatkozás:	
Telefonszám:	Email cím:

3 GYAKORLAT RÉSZLETEI

Igazolom, hogy a jelölt társaságunknál -tól -ig, a következő légijármű/hajtómű típus(oko)n szerzett gyakorlati tapasztalatokat::

Teljes gyakorlati időtartam hónapokban:

Betöltött munkakör:

Légijármű szerelő ☐ Légijármű műszerész ☐ Mérnök ☐ Egyéb:

Társasági megbízás típusa: Hivatkozási száma:

Karbantartási terület:

Bázis karbantartás: ☐ Forgalmi karbantartás: ☐ Egyéb:

Tapasztalati idő követelmény csökkenthető:

Part-147 alaptanfolyam alapján: ☐ Elfogadott műszaki végzettség alapján: ☐

13/2012 NFM rendelet szerinti alaptanfolyam alapján: ☐

Tegyen „**X**” vagy “**Ø**” jelet a megfelelő oszlopba:

No.	**Fejezet** / tevékenység	A 1	A 2	A 3	A 4	**B 1.1**	**B 1.2**	**B 1.3**	**B 1.4**	**B 2**	B 3
1	**Time limits/Maintenance checks**										
	100 hour check (general aviation aircraft).										
	B” or “C” check (transport category aircraft).										
	Assist carrying out a scheduled maintenance check i.a.w. AMM.										
	Review Aircraft maintenance log for correct completion.										
	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.										
2	**Dimensions/Areas**										
	Locate component(s) by zone/station number.										
	Perform symmetry check.										
3	**Lifting and Shoring** Assist in:										
	Jack aircraft nose or tail wheel.										
	Jack complete aircraft.										
	Lifting and shoring of major component.										
4	**Levelling/Weighing**										
	Level aircraft.										
	Weigh aircraft.										
	Prepare weight and balance amendment										
	Check aircraft against equipment list.										
5	**Towing and Taxiing**										
	Prepare for aircraft towing.										
	Tow aircraft.										
	Be part of aircraft towing team										
6	**Parking and Mooring**										
	Tie down aircraft.										
	Park, secure and cover aircraft										
	Position aircraft in maintenance dock										
	Secure rotor blades										
7	**Placards and Markings**										
	Check aircraft for correct placards										
	Check aircraft for correct markings.										
8	**Servicing**										
	Refuel aircraft										
	Defuel aircraft										
	Carry out tank to tank fuel transfer.										
	Check/adjust tire pressures										
	Check/replenish oil level.										
	Check/replenish hydraulic fluid level										
	Check/replenish accumulator pressure										
	Charge pneumatic system										
	Grease aircraft										
	Connect ground power										
	Service toilet/potable water system										
	Perform pre-flight/daily check										
9	**Vibration and Noise Analysis**										
	Analyse helicopter vibration problem.										
	Analyse noise spectrum										
	Analyse engine vibration										
10	**Air Conditioning**										
	Replace combustion heater										
	Replace flow control valve										
	Replace outflow valve										
	Replace safety valve										
	Replace vapour cycle unit										
	Replace air cycle unit										
	Replace cabin blower										
	Replace heat exchanger										

	Replace pressurisation controller										
	Clean outflow valves										
	Deactivate/reactivate cargo isolation valve										
	Deactivate/reactivate avionics ventilation components.										
	Check operation of air conditioning/heating system										
	Check operation of pressurisation system										
	Troubleshoot faulty system										
11	**Auto flight**										
	Install servos										
	Rig bridle cables										
	Replace controller										
	Replace amplifier										
	Replacement of the auto flight system LRUs in case of fly-by-wire aircraft.										
	Check operation of auto-pilot										
	Check operation of auto-throttle/auto-thrust.										
	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										
12	**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.										
	Functionally check audio integrating system.										
	Repair co-axial cable										
	Troubleshoot faulty system										
13	**Electrical Power**										
	Charge lead/acid battery										
	Charge Ni-Cad battery.- Check battery capacity										
	Deep-cycle Ni-Cad battery										
	Replace integrated drive/generator/alternator.										
	Replace switches.										
	Replace circuit breakers										
	Adjust voltage regulator										
	Change voltage regulator										
	Amend electrical load analysis report										
	Repair/replace electrical feeder cable										
	Troubleshoot faulty system										
	Perform functional check of integrated drive/generator/alternator										
	Perform functional check of voltage regulator										
	Perform functional check of emergency generation system										
14	**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										
	Remove and install ceiling and sidewall panels										
	Repair upholstery										
	Change cabin configuration										
	Replace cargo loading system actuator										
	Test cargo loading system										
	Replace escape slides/ropes										

15	**Fire protection**										
	Check fire bottle contents										
	Check/test operation of fire/smoke detection and warning system										
	Check cabin fire extinguisher contents										
	Check lavatory smoke detector system										
	Check cargo panel sealing										
	Install new fire bottle										
	Replace fire bottle squib										
	Troubleshoot faulty system										
	Inspect engine fire wire detection systems										
16	**Flight Controls**										
	Inspect primary flight controls and related components i.a.w. AMM										
	Extending/retracting flaps & slats										
	Replace horizontal stabiliser										
	Replace spoiler/lift damper										
	Replace elevator										
	Deactivation/reactivation of aileron servo control										
	Replace aileron										
	Replace rudder										
	Replace trim tabs										
	Install control cable and fittings										
	Replace slats										
	Replace flaps										
	Replace powered flying control unit										
	Replace flat actuator										
	Rig primary flight controls										
	Adjust trim tab										
	Adjust control cable tension										
	Check control range and direction of movement										
	Check for correct assembly and locking										
	Troubleshoot faulty system										
	Functional test of primary flight controls										
	Functional test of flap system										
	Operational test of the side stick assembly										
	Operational test of the THS										
	THS system wear check										
17	**Fuel**										
	Water drain system (operation).										
	Replace booster pump										
	Replace fuel selector										
	Replace fuel tank cells										
	Replace/test fuel control valves										
	Replace magnetic fuel level indicators										
	Replace water drain valve										
	Check/calculate fuel contents manually										
	Check filters										
	Flow check system										
	Check calibration of fuel quantity gauges										
	Check operation feed/selectors										
	Check operation of fuel dump / jettison system										
	Fuel transfer between tanks										
	Pressure defuel										
	Pressure refuel (manual control)										
	Deactivation/reactivation of the fuel valves (transfer defuel, X-feed, refuel).										
	Troubleshoot faulty system										
18	**Hydraulics**										
	Replace engine-driven pump										
	Check/replace case drain filter										
	Replace standby pump										
	Replace hydraulic motor pump/generator										
	Replace accumulator										
	Check operation of shut off valve										
	Check filters/ clog indicators										
	Check indicating systems										
	Perform functional checks										
	Pressurisation/depressurisation of the hydraulic system										

	Power Transfer Unit (PTU) operation										
	Replacement of PTU										
	Troubleshoot faulty system										
19	**Ice and rain protection**										
	Replace pump										
	Replace timer										
	Inspect repair propeller deice boot										
	Test propeller de-icing system.										
	Inspect/test wing leading edge de-icer boot										
	Replace anti-ice/deice valve.										
	Install wiper motor										
	Check operation of systems										
	Operational test of the pitot-probe ice protection.										
	Operational test of the TAT ice protection.										
	Operational test of the wing ice protection system										
	Assistance to the operational test of the engine air-intake ice protection (with engines operating).										
	Troubleshoot faulty system										
20	**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										
	Start/stop EIS procedure.										
	Bite test of the CFDIU										
	Ground scanning of the central warning system.										
21	**Landing Gear**										
	Build up wheel										
	Replace main wheel										
	Replace nose wheel										
	Replace steering actuator										
	Replace truck tilt actuator.										
	Replace gear retraction actuator.										
	Replace uplock/downlock assembly										
	Replace shimmy damper										
	Rig nose wheel steering										
	Functional test of the nose wheel steering system										
	Replace shock strut seals										
	Servicing of shock strut										
	Replace brake unit										
	Replace brake control valve										
	Bleed brakes										
	Replace brake fan										
	Test anti skid unit										
	Test gear retraction										
	Change bungees										
	Adjust micro switches/sensors										
	Charge struts with oil and air										
	Troubleshoot faulty system										
	Test auto-brake system										
	Replace rotorcraft skids										
	Replace rotorcraft skid shoes										
	Pack and check floats										
	Flotation equipment										
	Check/test emergency blowdown (emergency landing gear extension).										
	Operational test of the landing gear doors										
22	**Lights**										
	Repair/replace rotating beacon										
	Repair/replace landing lights										
	Repair/replace navigation lights										
	Repair/replace interior lights										
	Replace ice inspection lights										

	Repair/replace logo lights										
	Repair/replace emergency lighting system										
	Perform emergency lighting system checks										
	Troubleshoot faulty system										
23	**Navigation**										
	Calibrate magnetic direction indicator										
	Replace airspeed indicator										
	Replace altimeter										
	Replace air data computer										
	Replace VOR unit										
	Replace ADI										
	Replace HSI										
	Check pitot static system for leaks										
	Check operation of directional gyro										
	Functional check weather radar										
	Functional check doppler										
	Functional check TCAS										
	Functional check DME										
	Functional check ATC Transponder										
	Functional check flight director system										
	Functional check inertial nav system										
	Complete quadrantal error correction of ADF system										
	Update flight management system database										
	Check calibration of pitot static instruments										
	Check calibration of pressure altitude reporting system										
	Troubleshoot faulty system										
	Check marker systems										
	Compass replacement direct/indirect										
	Check Satcom										
	Check GPS										
	Test AVM										
24	**Oxygen**										
	Inspect on-board oxygen equipment										
	Purge and recharge oxygen system										
	Replace regulator										
	Replace oxygen generator										
	Test crew oxygen system										
	Perform auto oxygen system deployment check										
	Troubleshoot faulty system										
25	**Pneumatic systems**										
	Replace filter										
	Replace air shut off valve										
	Replace pressure regulating valve										
	Replace compressor										
	Recharge dessicator										
	Adjust regulator.- Check for leaks										
	Troubleshoot faulty system										
26	**Vacuum systems**										
	Inspect the vacuum system i.a.w. AMM										
	Replace vacuum pump										
	Check/replace filters										
	Adjust regulator										
	Troubleshoot faulty system										
27	**Water/Waste**										
	Replace water pump										
	Replace tap										
	Replace toilet pump										
	Perform water heater functional check										
	Troubleshoot faulty system										
	Inspect waste bin flap closure										
28	**Central Maintenance System**										
	Retrieve data from CMU										
	Replace CMU										
	Perform Bite check										
	Troubleshoot faulty system										

29	**Airborne Auxiliary power**										
	Install APU										
	Inspect hot section										
	Troubleshoot faulty system										
30	**Structures**										
	Assessment of damage										
	Sheet metal repair										
	Fibre glass repair										
	Wooden repair										
	Fabric repair										
	Recover fabric control surface										
	Treat corrosion										
	Apply protective treatment										
31	**Doors**										
	Inspect passenger door i.a.w. AMM										
	Rig/adjust locking mechanism										
	Adjust air stair system										
	Check operation of emergency exits										
	Test door warning system										
	Troubleshoot faulty system										
	Remove and install passenger door i.a.w. AMM										
	Remove and install emergency exit i.a.w. AMM										
	Inspect cargo door i.a.w. AMM										
32	**Windows**										
	Replace windshield										
	Replace direct vision window										
	Replace cabin window										
	Repair transparency										
33	**Wings**										
	Skin repair										
	Recover fabric wing										
	Replace tip										
	Replace rib										
	Replace integral fuel tank panel										
	Check incidence/rig										
34	**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										
	Assessment of blade damage i.a.w. AMM										
	Dynamically balance prop										
	Troubleshoot faulty system										
35	**Main Rotors**										
	Install rotor assembly										
	Replace blades										
	Replace damper assembly										
	Check track										
	Check static balance										
	Check dynamic balance										
	Troubleshoot										
36	**Rotor Drive**										
	Replace mast										
	Replace drive coupling										
	Replace clutch/freewheel unit										
	Replace drive belt										
	Install main gearbox										
	Overhaul main gearbox										
	Check gearbox chip detectors										
37	**Tail Rotors**										

	Install rotor assembly										
	Replace blades										
	Troubleshoot										
38	**Tail Rotor Drive**										
	Replace bevel gearbox										
	Replace universal joints										
	Overhaul bevel gearbox										
	Install drive assembly										
	Check chip detectors										
	Check/install bearings and hangers										
	Check/service/assemble flexible couplings										
	Check alignment of drive shafts										
	Install and rig drive shafts										
39	**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										
40	**Power Plant**										
	Build up ECU										
	Replace engine										
	Repair cooling baffles										
	Repair cowling										
	Adjust cowl flaps										
	Repair faulty wiring										
	Troubleshoot										
	Assist in dry motoring check										
	Assist in wet motoring check										
	Assist in engine start (manual mode).										
41	**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										
42	**Turbine Engines**										
	Replace module										
	Replace fan blade										
	Hot section inspection/boroscope check										
	Carry out engine/compressor wash										
	Carry out engine dry cycle										
	Engine ground run										
	Establish reference power										
	Trend monitoring/gas path analysis										
	Troubleshoot										
43	**Fuel and control, piston**										
	Replace engine driven pump										
	Adjust AMC										
	Adjust ABC										
	Install carburettor/injector										
	Adjust carburettor/injector										
	Clean injector nozzles										
	Replace primer line										
	Check carburettor float setting										
	Troubleshoot faulty system										

44	**Fuel and control, turbine**										
	Replace FCU										
	Replace Engine Electronic Control Unit (FADEC)										
	Replace Fuel Metering Unit (FADEC).										
	Replace engine driven pump										
	Clean/test fuel nozzles										
	Clean/replace filters										
	Adjust FCU										
	Troubleshoot faulty system										
	Functional test of FADEC										
45	**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										
46	**Ignition systems, turbine**										
	Perform functional test of the ignition system										
	Check glow plugs/ignitors										
	Check H.T. leads										
	Check ignition unit										
	Replace ignition unit										
	Troubleshoot faulty system										
47	**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 direction of movement										
	Adjust pedestal micro-switches										
	Troubleshoot faulty system										
48	**Engine Indicating**										
	Replace engine instrument(s)										
	Replace oil temperature bulb										
	Replace thermocouples										
	Check calibration										
	Troubleshoot faulty system										
49	**Exhaust, piston**										
	Replace exhaust gasket										
	Inspect welded repair										
	Pressure check cabin heater muff										
	Troubleshoot faulty system										
50	**Exhaust, turbine**										
	Change jet pipe										
	Change shroud assembly										
	Install trimmers										
	Inspect/replace thrust reverser										
	Replace thrust reverser component										
	Deactivate/reactivate thrust reverser										
	Operational test of the thrust reverser system										
51	**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 test										

	Troubleshoot faulty system										
52	**Starting**										
	Replace starter										
	Replace start relay										
	Replace start control valve										
	Check cranking speed										
	Troubleshoot faulty system										
53	**Turbines, piston engines**										
	Replace PRT										
	Replace turbo-blower										
	Replace heat shields										
	Replace waste gate										
	Adjust density controller										
54	**Engine water injection**										
	Replace water/ methanol pump										
	Flow check water/ methanol system										
	Adjust water/ methanol control unit										
	Check fluid for quality										
	Troubleshoot faulty system										
55	**Accessory gear boxes**										
	Replace gearbox										
	Replace drive shaft										
	Inspect magnetic chip detector										
56	**APU**										
	Removal/installation of the APU										
	Removal/installation of the inlet guide-vane actuator										
	Operational test of the APU emergency shut-down test										
	Operational test of the APU										
	Sum of possible marks:	**182**	**196**	**118**	**128**	**360**	**364**	**326**	**330**	**212**	**266**

Sorolja fel mindazon karbantartásokat, melyekkel igazolni tudják a fenti állításokat:

(Ha szükséges, a vonatkozó karbantartások listája külön lapon is csatolható)

Lajstromjel:	**Vonatkozó karbantartás azonosító száma:**	**Dátum Interval:**	**Karbantartáshoz tartozó Fejezet(ek) sorszáma(i):**

Légijármű, valamint részegysége az előzőekben nem érintett területein szerzett gyakorlati tapasztalat:

Egyéb beszámítandó gyakorlat:

Kérjük, csatolja a megfelelő dokumentumokat

4. KÉRELMEZŐ NYILATKOZATA

Ezen nyilatkozat aláírásával igazolom, hogy a gyakorlati karbantartásban szerzett tapasztalatom a kérelemnek megfelelően, a Part-66 és/vagy a 13/2012 NFM rendelet valamennyi követelményének megfelel.

....

kérelmező aláírása dátum

5. FELELŐS VEZETŐ NYILATKOZATA

Ezen nyilatkozat aláírásával igazolom, hogy a kérelmező gyakorlati karbantartásban szerzett tapasztalata a kérelemnek megfelelően, a Part-66 illetve 13/2012 NFM rendelet valamennyi követelményének megfelel. Az illetékes hatóság számára javaslom, hogy a kérelmező esetében a Part-66 illetve 13/2012 NFM rendelet szerinti üzemképesség tanúsító állomány számára légijármű karbantartó szakszolgálati engedélyt kiadja és/vagy módosítsa.

Cégbélyegző helye

.....
Hely, Dátum

.....
Felelős vezető olvasható neve

.....
Felelős vezető aláírása

KITÖLTÉSI ÚTMUTATÓ

A kérelmező munkanaplója alapján tegyen „X” jelet az elvégzett/megfigyelt tevékenység rubrikájába. A sötétített cellák nem vonatkoznak az adott kategóriára. A végre nem hajtott tevékenységekhez tegyen “Ø” jelet.
A kérelmezett kategóriának megfelelő oszlopban a tevékenységek legalább 50%-a be kell legyen jelölve „X”-el úgy, hogy minden vonatkozó fejezetben legalább a munkák 33%-a végrehajtott/megfigyelt kell legyen.

Az elvégzett tevékenységeknek a légijárműre vonatkozóan reprezentatívnak kell lennie mind a feladatok keresztmetszetét, mind azok mélységét tekintve. Amíg egy részben viszonylag könnyebb, addíg a másik részében bonyolultabb feladatokat kell teljesíteni.

A gyakorlati tevékenységekre a karbantartó szervezetnek rendelkeznie kell hatósági engedéllyel az adott kategória légijárműveire vonatkozóan és azokat megfelelően kijelölt és minősített szakemberekkel kell végrehajtania.

A gyakorlati tapasztalat megszerzése több karbantartó szervezet által is megszerezhető. Ebben az esetben minden szervezet saját Form 19B nyomtatványt kell kitöltsön.

A “**GYAKORLATI TAPASZTALATI IGAZOLÁS”-** t kiállító szervezet felelőssége, hogy a gyakorlati idő és a munkanaplóban vezetett feladatok megfeleljenek az érvényben lévő Part-66 és mellékletei előírásainak.

Szójegyzék:

ABC Automatic Boost Control
ADI Attitude Direction Indicator
AMC Automatic Mixture Control
AMM Aircraft Maintenance Manual
APU Auxiliary Power Uni
ATC Air Traffic Control
AVM Aircraft Vibration Monitor
BITE Built in Test Equipment
CFDIU Centralized Fault Display Interface Unit
CMU Central Monitoring Unit
DME Distance Measuring Equipment
ECU Electronic Control Unit
EIS Electronic Instrument System
ELT Emergency Locator Transmitter
ESD Electrostatic Sensitive Device
FADEC Full Authority Digital Engine Control
FDR Flight Data Recorder
GPS Global Positioning System
HF High Frequency
HIRF High Intensity Radiated Field
HP High Pressure
HSI Horizontal Situation Indicator
LRU Line Replaceable Unit
PRT Power Recovery Turbine
PTU Power Transfer Unit
RPM Revolutions Per Minute
TAT Total Air Temperature
TCAS Traffic Collision Avoidance System
THS Trimmable Horizontal Stabiliser
VHF Very High Frequency
VOR Visual Omni Range
VSWR Voltage Standing Wave Ratio