



ATL & CRS



تهران، میدان آزادی، خیابان معراج،
دانشکده صنعت هواپیمایی کشوری،
دفتر آکادمی پرواز چکاوک آسمان



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درباره ما.....



آکادمی پرواز چکاوک آسمان (PCA ACEDEMY) به عنوان نماینده دانشکده صنعت هواپیمایی کشوری (CATC) با علم به این موضوع که اولین قدم برای ورود به هر حوزه کسب مهارت و آموزش تخصصی است با رویکرد ارتقاء سطح دانش تخصصی مدیران، فلبانان، مهندسین، کنترلرهای برج مراقبت، مهمانداران و دیگر پرسنل شاغل و یا دانشجویان برای شرکت های هواپیمایی، خدمات هوایی و اشخاص حقیقی دوره های آموزشی مهارت محور و کاربردی ارائه می نماید.


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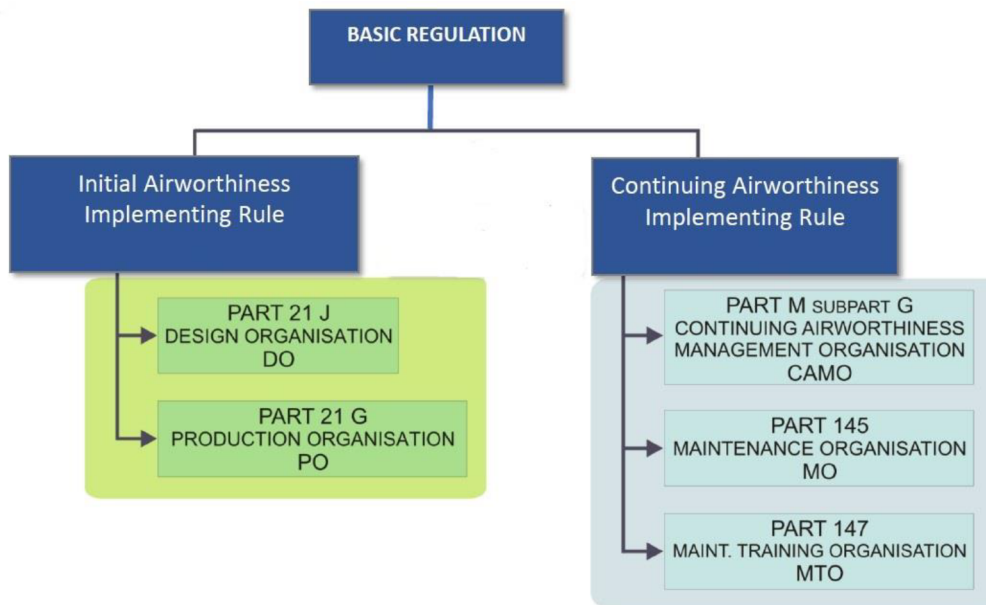
صدور گواهینامه معتبر از دانشکده صنعت هواپیمایی کشوری

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 تهران، میدان آزادی، خیابان معراج،
دانشکده صنعت هواپیمایی کشوری،
دفتر آکادمی پرواز چکاوک آسمان



Certifying Staff

Tasks:

1-verification of parts, components and/or aircraft correspond to their type certificate

2-verification that components and/or aircraft are airworthy

3-

release of aircraft to service after repair or maintenance activities have been completed (Form 1 or Certificate of Return to Service –CRS)

Certifying staff is required in following organisations:

1-Production(part 21 G)

2-Maintenance(part145 , part M subpart F)

-Aircraft

-Components

Exposition of an Organization

- give a clear and precise overview about the organization

- show how the organization complies with the required CAO.IR regulations
- an organization’s handbook has to be approved by the CAO.IR



MOE Maintenance Organisation Exposition

CAME Continuing Airworthiness Management Organisation Exposition

MTOE Maintenance Training Organisation Exposition

DOE Design Organisation Exposition

POE Production Organisation Exposition

Part		Subpart	Title	
M	M.1		Competent Authority	
	SECTION A			
	TECHNICAL REQUIREMENTS	A		GENERAL
		B		ACCOUNTABILITY
		C		CONTINUING AIRWORTHINESS
		D		MAINTENANCE STANDARTS
		E		COMPONENTS
		F		MAINTENANCE ORGANISATION
		G		CONTINUING AIRWORTHINESS MANAGEMENT ORGANISATION
		H		CERTIFICATE OF RELEASE TO SERVICE — CRS
		I		AIRWORTHINESS REVIEW CERTIFICATE
	SECTION B		PROCEDURE FOR COMPETENT AUTHORITIES	
APPENDICES	APPENDIX II	FORM 1 MAINTENANCE		



Part		Paragraph	Title	
145		145.1	General	
	SECTION A			
	TECHNICAL REQUIREMENTS		145.A.10	Scope
			145.A.15	Application
			145.A.20	Terms of approval
			145.A.25	Facility requirements
			145.A.30	Personnel requirements
			145.A.35	Certifying staff and category B1 and B2 support staff
			145.A.36	Records of airworthiness review staff (new)
			145.A.40	Equipment, tools and material
			145.A.42	Acceptance of components
			145.A.45	Maintenance data
			145.A.47	Production planning
			145.A.48	Performance of maintenance
	145.A.50	Certification of maintenance		

Part		Paragraph	Title
145		145.1	General
	SECTION A		
		145.A.55	Maintenance and airworthiness review records (new)
		145.A.60	Occurrence reporting
		145.A.65	Safety and quality policy, maintenance procedures and quality system
		145.A.70	Maintenance organisation exposition
		145.A.75	Privileges of the organisation
		145.A.80	Limitations on the organisation
		145.A.85	Changes to the organisation
		145.A.90	Continued validity
		145.A.95	Findings
	SECTION B		PROCEDURE FOR COMPETENT AUTHORITIES
	APPENDICES	APPENDIX II	Organisations approval class and rating system
		APPENDIX IV	Qualification conditions for personnel not qualified to Part-66 in accordance with 145a.30(j) 1 and 2

CRS

Certificate of release to service

All maintenance actions are certified by certified staff through the issuance of a Certificate of Release to Service (CRS) as applicable according to CAO.IRI airworthiness requirements. This includes scheduled maintenance periodic checks, engine and landing gear change work orders and out of phase packages , EOs, WO have separate CRS statements to be signed by the authorized person as release of the task. Other maintenance actions such as unscheduled component replacement, troubleshooting, defect



rectification will be registered in the ATL and release of the log is considered as CRS for that task.
Also a CRS shall be issued at the completion of any maintenance carried out on an aircraft components.

1. Approving Competent Authority / Country LUFTFAHRT-BUNDESAMT / Germany		2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1			3. Form Tracking Number RS25949/11	
4. Organisation Name and Address RUAG Aerospace Services GmbH Postfach 1253 82231 Wessling/Germany				5. Work Order/Contract/Invoice 810 003 724		
6. Item		7. Description		8. Part No.	9. Qty.	10. Serialnumber
1		NLG wheel assy		3-1418	1	8339
11. Status/Work Repaired						
12. Remarks NLG Wheel Bearing Cups replaced & NLG Wheel Bearing Cones replaced and repacked SHC 100 acc.BF-Goodrich CMM 32-47-42 R.3						<input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service Certifies that the work specified in block 11 / 12 was carried out in accordance with FAR Part 43 and in respect to that work the part(s) is (are) approved for return to service. Pertinent details of the repair are on file at this Repair Station under the above mentioned work order no. RUAG Aerospace Services, Repair Station Cert. No: B05Y766M Authorized Signature: <i>Rene Freudenberg</i> Name (Typed or Printed): Rene Freudenberg D-880
TSN: 259 CSN: 232 Shelf Life: N/A TSO: N/A CSC: N/A Life Limit: N/A						
13a. Certifies that the items identified above were manufactured in conformity to: <input type="checkbox"/> approved design data and are in condition for safe operation <input type="checkbox"/> Non-approved design data specified in Block 12				14a. <input checked="" type="checkbox"/> Part 145.A.50 Release to Service <input checked="" type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part 145 and in respect to that work the items are considered ready for release to service.		
13b. Authorised Signature		13c. Approval/Authorisation Number DE.21G.0176		14b. Authorised Signature <i>Rene Freudenberg</i>		14c. Certificate/Approval Ref. No. DE.145.0002
13d. Name		13e. Date (dd/mm/yyyy)		14d. Name Rene Freudenberg D-880		14e. Date (dd/mm/yyyy) 13 / OCT / 2011

EASA Form 1 - Issue 2

User/installer Responsibilities
This certificate does not automatically constitute authority to install the item(s). Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user/installer ensures that higher airworthiness authority accepts items from the airworthiness authority specified in block 1. Statements in block 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.



1. Approving National Aviation Authority / Country: FAA / UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 0000000000000622480 Page 1 of 1	
4. Organization Name and Address: GOODRICH AIRCRAFT WHEELS & BRAKES WICHITA SERVICE CENTER 7016 PUEBLO STREET, SUITE B WICHITA, KS, USA 67209-2637 TEL: (316) 943-4260 FAX: (316) 943-2848				5. Work Order/Contract/Invoice Number: 5412207 1430069		
6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
D1	BRAKE - MULTIPLE DISK	2-1651-1 (9912745-6)	N/A	1	Batch: 0001840984 SN: 0196	OVERHAULED
13. Remarks: OVERHAULED in accordance with CMM: 2-1651 ATA #: 32-46-51 Revision: 0 Rev. Date: 06/09/2000. SBR: SB-941.						
Certifies that the work specified in block 12/13 was carried out in accordance with EASA Part 145 and in respect to that work the component is considered ready for release to service under EASA Part 145 Approval Number EASA 145.4250						
14. Confirms the item is approved for return to service in accordance with:				15. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13		
<input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> EASA Part 145 Approval Number <input type="checkbox"/> Other regulation specified in Block 13				Confirms that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, Part 43 and in respect to that work, the items are approved for return to service.		
16. Authorized Signature: <i>Christopher Ross</i>				21. Approval / Certificate No. : B9DR216N		
22. Name (Typed or Printed): CHRISTOPHER ROSS				23. Date (m.d.y): DEC 11 2009		
User / Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.						
Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.						
Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						
FAA Form 8130-3 (9-01)		* Installer must cross check eligibility with applicable technical data. NSN: 0052-00-012-9005				
Paperwork Reduction Act Statement: An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a current with this collection of information is 2120-0058. Comments concerning the accuracy of this burden and suggestions for reducing the burden should be checked to the FAA at 800 Independence Ave. SW, Washington, DC 20591, Attn: Information Collection Clearance Office, ADA-02.						

ATL

Aircraft technical log book

This is a system for recording defects and malfunctions discovered during the operation and for recording details of all maintenance carried out on the particular airplane. In addition, it is used for recording operating information relevant to flight safety, engine condition monitoring and it contains maintenance data that the operating crew need to know. The Aircraft Technical Log (ATL) is designed to allow recording of defects, malfunctions, and maintenance performed on the aircraft to which it applies whilst the aircraft is operating between scheduled base maintenance inspections. In addition it includes maintenance information required by the operating crew and is used for recording operating information relevant to flight safety. Technical Log is provided to comply with CAO. IRI Part M requirements. The ATL original issue must be approved by the CAO. IRI prior to its use.

The continuing airworthiness information which should be entered in ATL includes:

- the operating crews observations and remarks as a result of aircraft operation in service including the aircraft, engine(s), components and system technical status;
- defects or incidents having effect on airworthiness;
- results of the technical inspections requested by the CAMO or maintenance organization;
- maintenance performed by the maintenance organization which details: defect rectification action taken and associated responses to crews requests and/or remarks ; Where applicable, any MEL technical limitations proposed by the Maintenance



Organization.

An example of the ATL sheet and procedure of filling can be found in **CAME**.

Procedure of filling ATL

Persons qualified and approved as certifying staff by approved Maintenance Organization will only make maintenance entries and the issue of Certificates of Release to Service in respect of maintenance carried out. Any corrections in technical log book are prohibited. In case when information was entered incorrectly it's necessary to cross out and write new record providing readability of old one.

The recorded information in the ATL shall be written by blue (or black) pen only so that it cannot be erased. If something wrong written in the ATL by mistake, use a single strikethrough on the typo or wrong data in manner that original (wrong) entry remains clear and identifiable, then write correct data as close as possible to the appropriate field. Never use correction fluid, tapes or ink eraser for this purpose. Any correction must be signed or stamped by name of the person who made it. In case that error/correction may affect most sections of the ATL more than acceptable norms, it is recommended to void the whole page for this reason and use next page for correct entry.

Approved data: Approved data coming from Part 21 sub part J (DO) and approved by both design organization and competent authority (FAA ,CAA , LBA ,CAO.IR ,)

Approved Data Examples :

- AMM Aircraft Maintenance Manual
- SRM Structure Repair Manual
- IPC Illustrated Parts Catalogue
- WDM Wiring Diagram Manual
- CMM Component Maintenance Manual
- NDT Non destructive Testing Manual
- ITEM Illustrated Tool and Equipment Manual
- TSM Trouble Shooting Manual
- MMEL Master Minimum Equipment List
- EO (RO) Engineering Order (Repair Order)
- SB Service Bulletin
- STC Supplemental Type Certification (competent authority)
- TC Type Certificate (competent authority)
- AD Airworthiness Directive (competent authority)



5 TIME LIMITS/ MAINTENANCE CHECKS	50 Aerodynamic Load Alleviating
00 General	23 COMMUNICATIONS
10 Time Limits	00 General
20 Scheduled Maintenance Checks	10 Speech Communications
50 Unscheduled Maintenance checks	15 SATCOM
6 DIMENSIONS AND AREAS	20 Data Transmission and Auto Calling
7 LIFTING & SHORING	30 Comfort
00 General	40 Interphone
10 Jacking	50 Audio Integrating
20 Shoring	60 Static Discharging
8 LEVELING & WEIGHING	70 Audio & Video Monitoring
00 General	80 Integrated Automatic
10 Weighing and Balancing	24 ELECTRICAL POWER
20 Leveling	00 General
9 TOWING & TAXIING	10 Generator Drive
00 General	20 AC Generation
10 Towing	30 DC Generation
20 Taxiing	40 External Power
10 PARKING, MOORING	50 AC Electrical Load Distribution
00 General	60 DC Electrical Load Distribution
10 Parking/Storage	25 EQUIPMENT/FURNISHINGS
20 Mooring	00 General
30 Return to Service	10 Flight Compartment
11 PLACARDS AND MARKINGS	20 Passenger Compartment
00 General	30 Galley
10 Exterior Color Schemes	40 Lavatories
20 Exterior Placards and Markings	50 Additional Compartments
30 Interior Placards	60 Emergency
12 SERVICING	70 Available
00 General	80 Insulation
10 Replenishing	26 FIRE PROTECTION
20 Scheduled Servicing	00 General
30 Unscheduled Servicing	10 Detection
18 VIBRATION AND NOISE ANALYSIS	20 Extinguishing
00 General	30 Explosion Suppression
10 Vibration Analysis	27 FLIGHT CONTROLS
20 Noise Analysis	00 General
20 STANDARD PRACTICES-AIRFRAME	10 Aileron & Tab
21 AIR CONDITIONING	20 Rudder & Tab
00 General	30 Elevator & Tab
10 Compression	40 Horizontal Stabilizer
20 Distribution	50 Flaps
30 Pressurization Control	60 Spoiler and Variable Aerodynamic
40 Heating	70 Gust Lock & Dampener
50 Cooling	80 Lift Augmenting
60 Temperature Control	28 FUEL
70 Moisture/Air Contaminant	00 General
22 AUTO FLIGHT	10 Storage
00 General	20 Distribution
10 Autopilot	30 Dump
20 Speed-Attitude Correction	40 Indicating
30 Auto Throttle	29 HYDRAULIC POWER
40 System Monitor	00 General



10 Main	10 Distribution
20 Auxiliary	20 Indicating
30 Indicating	37 VACUUM
30 ICE AND RAIN PROTECTION	00 General
00 General	10 Distribution
10 Airfoil	20 Indicating
20 Air Intakes	38 WATER/WASTE
30 Pitot and Static	00 General
40 Windows, Windshields and Doors	10 Potable
50 Antennas and Radomes	20 Wash
60 Propellers/Rotors	30 Waste Disposal
70 Water Lines	40 Air Supply
80 Detection	41 WATER BALLAST
31 INDICATING/RECORDING SYSTEMS	00 General
00 General	10 Storage
10 Instrument & Control Panels	20 Dump
20 Independent Instruments	30 Indication
30 Recorders	44 CABIN SYSTEMS
40 Central Computers	00 General
50 Central Warning Systems	10 Cabin Core System
60 Central Display Systems	20 Inflight Entertainment System
70 Automatic Data Reporting Systems	30 External Communication System
32 LANDING GEAR	40 Cabin Mass Memory System
00 General	50 Cabin Monitoring System
10 Main Gear and Doors	60 Miscellaneous Cabin System
20 Nose Gear and Doors	45 CENTRAL MAINTENANCE SYSTEM
30 Extension and Retraction	00 General
40 Wheels and Brakes	5 thru 19 CMS/Aircraft General
50 Steering	20 thru 49 CMS/Airframe Systems
60 Position and Warning	45 Central Maintenance System
70 Supplementary Gear	50 thru 59 CMS/Structures
33 LIGHTS	60 thru 69 CMS/Propellers
00 General	70 thru 89 CMS/Power Plant
10 Flight Compartment	45 INFORMATION SYSTEMS
20 Passenger Compartment	00 General
30 Cargo and Service Compartments	10 Airplane General Information Systems
40 Exterior	20 Flight Deck Information Systems
50 Emergency Lighting	30 Maintenance Information Systems
34 NAVIGATION	40 Passenger Cabin Information Systems
00 General	50 Miscellaneous Information Systems
10 Flight Environment	49 AIRBORNE AUXILIARY POWER
20 Attitude & Direction	00 General
30 Landing and Taxiing Aids	10 Power Plant
40 Independent Position Determining	20 Engine
50 Dependent Position Determining	30 Engine Fuel and Control
60 Flight Management Computing	40 Ignition/Starting
35 OXYGEN	50 Air
00 General	60 Engine Controls .
10 Crew	70 Indicating
20 Passenger	80 Exhaust
30 Portable	90 Oil
36 PNEUMATIC	50 Cargo and Accessory Compartments
00 General	00 General



10 Cargo Compartments	50 Trailing Edge
20 Cargo Loading Systems	60 Ailerons and Elevons
30 Cargo Related Systems	70 Spoilers
40 Available	90 Wing Folding System
50 Accessory	60 STANDARD PRACTICES - PROPELLER
60 Insulation	61 PROPELLERS/PROPULSION
51 Standard Practices	00 General
00 General	10 Propeller Assembly
10 Investigation, Cleanup and Aerodynamic Smoothness	20 Controlling
20 Processes	30 Braking
30 Materials	40 Indicating
40 Fasteners	50 Propulsor Duct
50 Support of Airplane for Repair and Alignment Check Procedures	62 ROTOR
60 Control-Surface Balancing	00 General
70 Repairs	10 Rotor blades
80 Electrical Bonding	20 Rotor head(s)
52 DOORS	30 Rotor Shaft/Swashplate Assy
00 General	63 ROTOR DRIVE
10 Passenger/Crew	00 General
20 Emergency Exit	10 Engine/Gearbox couplings
30 Cargo	20 Gearbox(es)
40 Service and Miscellaneous	30 Mounts, attachments
50 Fixed Interior	40 Indicating
60 Entrance Stairs	64 TAIL ROTOR
70 Monitoring and Operation	00 General
80 Landing Gear	10 Rotor blades
53 FUSELAGE	20 Rotor head
00 General	40 Indicating
10 thru 90 Fuselage Sections	65 TAIL ROTOR DRIVE
54 NACELLES/PYLONS	00 General
00 General	10 Shafts
10 thru 40 Nacelle Section	20 Gearboxes
50 thru 80 Pylon	40 Indicating
55 STABILIZERS	66 FOLDING BLADES/PYLON
00 General	00 General
10 Horizontal Stabilizer or Canard	10 Rotor blades
20 Elevator	20 Tail pylon
30 Vertical Stabilizer	30 Controls and Indicating
40 Rudder	67 ROTORS FLIGHT CONTROL
56 WINDOWS	00 General
00 General	10 Rotor
10 Flight Compartment	20 Anti-torque Rotor control
20 Passenger Compartment	30 Servo-control System
30 Door	70 STANDARD PRACTICES - ENGINES
40 Inspection and Observation	71 POWER PLANT
57 WINGS	00 General
00 General	10 Cowling
10 Center Wing	30 Fireseals
20 Outer Wing	40 Attach Fittings
30 Wing Tip	50 Electrical Harness
40 Leading Edge	60 Air Intakes
	70 Engine Drains



72 ENGINE TURBINE	20 Turbo-Supercharger
00 General	82 WATER INJECTION
10 Reduction Gear, Shaft Section	00 General
20 Air Inlet Section	10 Storage
30 Compressor Section	20 Distribution
40 Combustion Section	30 Dumping and Purging
50 Turbine Section	40 Indicating
60 Accessory Drives	83 ACCESSORY GEAR-BOXES
70 By-pass Section	00 General
80 Propulsor Section (Rear Mounted)	10 Drive Shaft Section
73 ENGINE FUEL AND CONTROL	20 Gearbox Section
00 General	84 Propulsion Augmentation
10 Distribution	00 General
20 Controlling	10 Jet Assist Takeoff
30 Indicating	91 CHARTS
74 IGNITION	97 WIRING REPORTING
00 General	115 Flight Simulator Systems
10 Electrical Power	
20 Distribution	
30 Switching	
75 AIR	
00 General	
10 Engine Anti-Icing	
20 Cooling	
30 Compressor Control	
40 Indicating	
76 ENGINE CONTROLS	
00 General	
10 Power Control	
20 Emergency Shutdown	
77 ENGINE INDICATING	
00 General	
10 Power	
20 Temperature	
30 Analyzers	
40 Integrated Engine Instrument Systems	
78 EXHAUST	
00 General	
10 Collector/Nozzle	
20 Noise Suppressor	
30 Thrust Reverser	
40 Supplementary Air	
79 OIL	
00 General	
10 Storage	
20 Distribution	
30 Indicating	
80 STARTING	
00 General	
10 Cranking	
81 TURBINES	
00 General	
10 Power Recovery	

Chapter (System)	Section (Sub-system)	Subject (Unit)	Coverage
28	-	00 - 00	Material which is applicable to the system as a whole 'Fuel System'
28	-	10 - 00	Material which is applicable to the sub-system as a whole 'Storage System'
28	-	10 - 02	Material which is applicable to a specific component/unit. This number (digit) is chosen by the manufacturer 'Fuel Cells'



AIRCRAFT TECHNICAL LOG SECTOR RECORD

Log Page Number TL007B

AIRCRAFT FUEL AND FLUIDS SERVICING RECORD															
FUEL REQUIREMENTS					Kilograms					Other Fuel Info					
A	ARRIVAL FOS										FUEL FRT POINT				
B	FUEL USED ON GROUND (A+B)										FUEL SO				
C	INDICATED FOR PRE-REFUEL														
D	REQUIRED DEPARTURE FUEL														
E	REQUIRED UPLIFT (D-C)										Lime / USG				
F	ACTUAL UPLIFT (B+C)														
G	INDICATED FOR DEPARTURE														
H	CALCULATED FOR DIFF (G-C)														
J	DISCREPANCY (F-H)										JH x 100 %				
RECEIPT NUMBER					FUEL SUPPLIER										
ENGINE / APU OIL					ENG 1L					ENG 3R					
					ENG 3					APU					
UPLIFT QTY (US QTS)															
HYDRAULIC SYSTEM FLUID					BLUE (ELECTRIC)					GREEN					
					LEFT					CENTRE					
										YELLOW					
										RIGHT					
UPLIFT QTY (US QTS)															
POTABLE WATER LITRES + %					ARRIVAL TOTAL					DEPARTURE TOTAL					
FLUIDS SERVICING SIGN										AUTH. NO.					
GROUND DE-ICING / ANTI-ICING FLUID															
START TIME					TYPE					SIGN					
MAINTENANCE CHECK ACCOMPLISHED															
*ETOPS SUPPLEMENT (EOPS 4277)					SIGNATURE					DATE/TIME (UTC)					
120 Min. - MR 5 Min. - 207 Min.															
<p style="font-size: small;">Certifying that the work specified except otherwise specified was carried out in accordance with CAR 145 and in respect to that work the aircraft/aircraft component is considered ready for release to service</p>															
DEFECT		PART NO. OFF		SERIAL NO. OFF		PART NO. ON		SERIAL NO. ON		GRN					

AIRCRAFT TECHNICAL LOG

A/C TYPE: 1 A/C REGISTER: 2 LOG PAGE NO.: 3

MAINTENANCE	OPERATION										TOTAL FLIGHT HOURS & CYCLES								
Sector	UPRIETED OIL		CSE		UPRIETED HYDRAULIC		GROUND DE-ICING / ANTI-ICING		MIX. BATIO		ENGINE OIL		PRE-FLIGHT CHECK 1		PRE-FLIGHT CHECK 2		TOTAL FLIGHT HOURS & CYCLES (Brought Forward from Last Page)		
	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2	APU	SPS A	SPS B	START TIME	FINISH TIME	FLIGHT TIME	FLIGHT CYCLES	TOTAL FLIGHT HOURS	TOTAL FLIGHT CYCLES
1																		39	26
2																		31	33
3																			
4																			
5																			
6																			

OPERATION	FLIGHT DATA										TOTAL FLIGHT HOURS & CYCLES (THIS PAGE)			
Sector	PLANNED UPLIFT		ACTUAL UPLIFT		DEPARTURE		ARRIVAL		FLIGHT TIME		FLIGHT CYCLES		TOTAL FLIGHT HOURS & CYCLES	
	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2	FLIGHT HOURS	FLIGHT CYCLES
1													40	42
2														
3														
4														
5														
6														

OPERATION	POST-FLIGHT & A/C DELIVERY TO MAINTENANCE										TOTAL FLIGHT HOURS & CYCLES (THIS PAGE)									
Sector	TIME AUTO THROTTLE OFF		PRESS ALT		GROSS WT		TAT		ENG		EST %		RUE FLOW		OIL PRESS.		OIL TEMP.		VIB.	
	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
1	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64

OPERATION	DEFECTS / OBSERVATIONS / NOTES / MAINTENANCE										TOTAL FLIGHT HOURS & CYCLES (THIS PAGE)			
Sector	DATE & TIME (UTC)		ACTION TAKEN		REFERENCE		DATE (UTC)		DEFERRED DEFECT		AUTH. NO.		COMPONENT CHANGE DETAIL	
	DATE	TIME	DESCRIPTION	ACTION	REF	DATE	DEFECT	AUTH.	CHG	CHG	CHG	CHG	CHG	CHG
1														
2														
3														

TOTAL NO. CAPS: 001 REV. 02 DATE: 01 DEC 2017 COPY DISTRIBUTION: WHITE ORIGINAL - PINK CAPTAIN - GREEN FLIGHT CREW - BLUE PART IAS - YELLOW STATION NEXT PAGE USED



METROJET										A/C Type: A-321		A/C Reg: EI-ETJ		Additional inspection (If performed by CAA)				TLB No: A 26920			
109028, Москва, Холмовский переулок, дом 10 стр 3										SAFA Inspection		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Report issued		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Servicing card Oil: On arrival (Eng 1: 21.0, Eng 2: 19.5, APU: FULL), Upfill, Total (27.0, 19.5, FULL) Hyd: On arrival (Sys 1(G): FULL, Sys 2(B): FULL, Sys 3(Y): FULL), Upfill, Total (FULL, FULL, FULL) Date: 31.10.15 Mech/Sign: [Signature]										Fuel Remained: 100.0 Upfill / Defuel: 13.0 Blaster, entry: - Total: 120.0				Add information Fuel type: JET A-1 Refuel Reg. No: 2700101 It is expended for APU / ENG RUN Fuel Density: 0.800				Certificate Release to Service Doc. Ref.: Date: AMO Ref. Time: Maintenance Event:			
Pre-flight Check completed & A/C accepted by Captain Captain: NEMOV Signature: [Signature]										Flight Date: 31.10.15 Type: KGL9267 From: SHH To: EEB		Anti-icing performed: <input checked="" type="checkbox"/>		OFF block (UTC): Take OFF (UTC):		ON block (UTC): Landing (UTC):		Block time: Flight time:		Remained Fuel after landing: Kg	
CAT I: <input type="checkbox"/> CAT II: <input type="checkbox"/> CAT III: <input type="checkbox"/> Auto Land Sys: <input checked="" type="checkbox"/> OK NOK → Tech Report										B-RNAV: <input checked="" type="checkbox"/> OK NOK → Tech Report				RVSM: <input checked="" type="checkbox"/> OK NOK → Tech Report							
A Report: [Signature]										PIN OFF: [] PIN ON: []		S/N OFF: [] S/N ON: []		Store Out Form: []		Action Taken: []		MHR: [] Status: [] Station: [] Date: [] Name: [] Stamp: [] Sign: []			
B Report: [Signature]										PIN OFF: [] PIN ON: []		S/N OFF: [] S/N ON: []		Store Out Form: []		Action Taken: []		MHR: [] Status: [] Station: [] Date: [] Name: [] Stamp: [] Sign: []			
C Report: [Signature]										PIN OFF: [] PIN ON: []		S/N OFF: [] S/N ON: []		Store Out Form: []		Action Taken: []		MHR: [] Status: [] Station: [] Date: [] Name: [] Stamp: [] Sign: []			



ADDRESS NO. 75 - NEVY TO KHAFEM ALLEY - NAFTI BLDG. - DEBASTAN - TEHRAN - IRAN Tel: +98(21) 44820000 WWW.PTA-IRAN.COM.AE AOC No. B-ACC-153										AIRCRAFT TECHNICAL LOG					A/C TYPE:		A/C REGISTER:		LOG PAGE NO.:															
UPLOADED DATA EMERG STARTER: No.1, No.2, No.3, No.4, No.5, No.6 CSD: No.1, No.2 APU: No.1, No.2 UPLOADED OVERHAUL LOG: S/O A, S/O B										GROUND EX-CHECK / ANTI-ICE START TIME, FRESH TIME, TARE TYPE, MEL. RATIO, FLUIDS/WEIGHT					PRE-FLIGHT INSPECTION & TRANSPORT CHECK SIGNATURE MEL. STATION, MEL. STAMP, STATION, MEL. STAMP, STATION, MEL. STAMP					LINE MAINTENANCE CHECKS CHECK CHECK, PRE-FLIGHT CHECK, TIME (UTC), DATE (UTC), TIME (UTC), DATE (UTC)					FLIGHT CREW TITLE, NAME, EXP, A/P, D/B, F/M 1, F/M 2, P/B					TOTAL FLIGHT HOURS & CYCLES (Brought Forward from Last Page), TOTAL FLIGHT HOURS, TOTAL FLIGHT CYCLES, CORRECTION (if Required), CORRECTION (if Required)				
FULL DATA (kg) PLANNED WEIGHT, ACTUAL WEIGHT, DEPARTURE, AIR ACCEPTANCE (MKG)										FLIGHT DATA DATE (UTC), FLIGHT NUMBER, FROM, TO, PKG, CARGO (kg), T.O. DELAY (Min.), T.O. WEIGHT (kg), T.O. POWER, OFF BLOCK (UTC), TAXI OFF (UTC), LANDING (UTC), ON BLOCK (UTC), ANNUAL FUEL (kg)					CAPTAIN'S AIRCRAFT ACCEPTANCE CONFIRMS CORRECT COMPLETION OF PRE-FLIGHT INSPECTION IN ACCORDANCE WITH CABLES PARTS IN PLACE REQUIREMENTS, CHECKING NECESSARY ITEMS OF APPLICABLE, REVIEW OF AIRCRAFT MANUFACTURER'S, DEFERRED MAINTENANCE ITEMS AND QUANTITY AND DISTRIBUTION OF FUEL, OIL AND HYDRAULIC IS ACCEPTABLE FOR THE INTENDED FLIGHT.					TECHNICAL REPORT SECTION, TIME AUTO THROTTLE OFF (UTC), PRESS. (PSI), CROSS (IN), TGT, ENG. NO. 1, NO. 2, SET (°C), FUEL FLOW, OIL PRESS., OIL TEMP., VIB., TOTAL PH & FC (THIS PAGE), AIRCRAFT TOTAL PH & FC (Carry Forward from Last Page), POST FLIGHT & A/C DELIVERY TO MAINTENANCE, ENGINE NO. 1, ENGINE NO. 2, CABIN DEPRESS. (PSI), STATION, TIME (UTC), STATION, DEFERRED (Identify that data recorded on this page is accurate and correct. If more reviewed all open clearances have any time affecting the aircraft's readiness transferred to this aircraft technical log.)					POST FLIGHT & A/C DELIVERY TO MAINTENANCE: 04, 96, 0418/1703:10 THR									
PREP MAINTENANCE ENTRY: DEFECT, OBSERVATION, NOTE, WORK PACKAGE, DEFECT, MORE PACKAGE, NOTE										ACTION TAKEN: Nil Defect					REFERENCE: Nil Defect					DEFERRED DEFECT: Nil Defect					AUTH. No.: Nil Defect					COMPONENT CHANGE DATA: Nil Defect				
PREP MAINTENANCE ENTRY: DEFECT, OBSERVATION, NOTE, WORK PACKAGE, DEFECT, MORE PACKAGE, NOTE										ACTION TAKEN: RESPECTIVE PART REPLCD WITH SVCBL MEGAPHONE, TEST FOUND OK.					REFERENCE: AAM 25-64-01, 90, 25.SEP.18					DEFERRED DEFECT: Nil Defect					AUTH. No.: 321, 321, 321					COMPONENT CHANGE DATA: MEGAPHONE (PT), A3-06-1402, 23289, A3-06-1402, 11830				