

# Ofogh Taban Padidar Aviation Training Center

Maintenance Training Organization Exposition

Issure:01	<b>PART 4</b> <b>Title Forms and Syllabuses</b> <b>Ref : No 19 OTPATC-IR.147.</b>	Date: Feb 2020
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Form No.19- Practical Training Syllabus

## Section 1

### B1 Practical Training

#### Aircraft Type Training Syllabus

#### Note to Practical Training Assessor (PTA):

At least 50% of all "LOC" and "MEL" items and one or two representative items in each ATA chapter among "FOT", "SCH", "R/I", and "TS" categories of the "Aircraft practical Training Syllabus" must be selected by the PTA and accomplished under his supervision by the trainee.

Glossary of the table.

LCC: Location

FOT: Functional/Operational Test

SGH: Service and Ground Handling

R/I: Removal/Installation: MEL: Minimum Equipment List:

TS: Troubleshooting

Not Applicable —

Applicable X

Name of trainee: ..... Name of Practical Instructor:.....

Date : ..... Location : .....

Aircraft Type : Boeing 737-.....  Boeing MD-----

از اساتید عزیز خواهشمند است که مواردی که شامل شخص ارزیابی شونده نمی شود را با کشیدن خط روی آنها مشخص کنند.

**B1 Practical Training**  
**Aircraft Type Training Syllabus**

ATA Chapter	Item Description	LOC	FOT	SGH	R/I	MEL	TS	Task Accomplishment		
								Task REF.	A/C Reg	Sign & Date
5	Time Limits/ maintenance checks	X	--	--	--	--	--			
5.1	Describe content of ATA 5	--	--	--	--	--	--			
5.2	Review A/C Tech Flight log	--	--	X	--	--	--			
5.3	Inspection following hard landing phase 1	--	--	--	--	--	--			
6	Dimensions/Area AMM. (ETC)	x	--	--	--	--	--			
6.1	locate components by zone/station number	x	--	--	--	--	--			
7	Lifting and shoring	x	--	--	--	--	--			
7.1	Show location of Jacking points	X	--	--	--	--	--			
8	Leveling and weighing	x	--	--	--	--	--			
8.1	Show location of leveling points	X	--	--	--	--	--			
8.2	Describe weighing procedure	--	--	--	--	--	--			

9	Towing and taxing	X	--	X	--	--	--			
9.1	Describe towing procedure	--	--	X	--	--	--			
10	Parking/mooring. Storing and Return to Service	X	--	X	--	--	--			
10.1	Show location of tie down	x	--	--	--	--	--			
10.2	Describe procedure in AMM for parking. Securing and covering parts, intakes	--	--	--	x	--	--			
11	Placards and marking	X	--	--	--	--	--			
11.1	Show typical placards, emergency placards.	x	--	--	--	--	--			
11.2	show typical marking on fuselage/wings	x	--	--	--	--	--			
12	Servicing	x	--	x	--	--	--			
12.1	Refueling Panel and procedure in AMM	x	--	x	--	--	--			
12.2	Check/Adjust tire pressure	x	--	x	--	--	--			
12.3	Check/Replenish oil level	x	--	x	--	--	--			
12.4	Check/Replenish hydraulic fluid	x	--	X	--	--	--			

	level									
12.5	Grease aircraft	x	--	x	--	--	--			
12.6	Connect ground power	x	--	x	--	--	--			
20	STANDARD PRACTICIS. ONLY TYPE PARTICULAR	--	--	X	--	--	--			
21	Air Conditioning	x	x	x	--	x	x			
21.1	ACM	x	--	--	--	--	--			
21.2	Safety value									
21.3	Cabin blower	x	--	--	--	--	--			
21.4	Pressurization controller	x	--	--	--	--	--			
21.5	Clean outflow valves	x	--	x	--	--	--			
22	Auto fight	x	--	x	--	--	--			
23	Communications	x	--	x	--	x	--			
24	Electrical Power	x	x	x	x	x	x			
24.1	Replace battery	x	--	--	x	--	--			
24.2	CBs/Switches	x	--	--	--	--	--			
24.3	Perform functional check of integrated drive/generator	--	--	x	--	--	--			
24.3	Perform functional check of emergency power generation Sys.	--	--	x	--	--	--			
25	Equipment and Furnishings	x	x	x	x	--	--			
25.1	Check seats/belts for security	--	--	x	--	--	--			

25.2	Check emergency equipment	x	--	x	--	--	--			
25.3	Remove and install a ceiling side wall pane I	--	--	--	x	--	--			
25.4	Replace carpet	--	--	--	x	--	--			
25.5	Test cargo loading system	x	--	x	--	--	--			
25.6	Replace escape slide	--	--	--	x	--	--			
25.7	Check MEL	--	--	--	--	x	--			
26	Fire Check/Test operation of fire and smoke detection and warning system	x	x	x	x	x	x			
26.2	Check lavatory smoke detection system	x	x	x	x	x	x			
26.3	Replace fire bottle squib	x	x	x	x	x	x			
26.4	Inspect Engine fire detection warning	x	x	x	x	x	x			
26.5	Inspect fire extinguisher bottles	x	x	x	x	x	x			
26.6	Check MEL	x	x	x	x	x	x			
27	Flight Controls	x	x	x	x	x	x			
27.1	Perform extend/retract flaps/stats	--	--	x	--	--	--			
27.2	Inspect primary	--	--	X	--	--	--			

	controls AMM									
27.3	Stab/trim Control/setting	x	--	--	--	--	--			
27.4	Servo units	x	--	--	--	--	--			
27.5	Demonstrate servo unit deactivation/reactivation per AMM	--	--	x	--	--	--			
27.6	Adjust control cable tension	--	--	x	--	--	--			
27.7	Operational check of THS	--	x	--	--	--	--			
27.8	Functional test of primary flight controls	--	--	x	--	--	--			
27.9	Check MEL	--	--	--	--	x	--			
28	Fuel Systems									
28.1	Perform water drain	x	--	--	--	--	--			
28.2	Check/Calculate fuel contents manually	--	--	x	--	--	--			
28.3	Check operation of fuel quantity gages	x	--	--	--	--	--			
28.4	fuel dump/jettison system	x	--	--	--	--	--			
28.5	pressure refuel	--	--	x	--	--	--			
28.6	Troubleshoot faulty system per AMM/Fault isolation manual	--	--	--	--	--	x			
28.7	Assess fuel teak.	--	--	x	--	--	--			

	Ref AMM									
28.8	Check Mel	--	--	--	--	X	--			
29	Hydraulic Power									
29.1	LRUs. Engine driven pump.	X	--	--	--	--	--			
29.2	Check filter clog indicator	X	--	X	--	--	--			
29.3	Check indicating system	X	--	X	--	--	--			
29.4	Check operation of shut off valve	--	X	--	--	--	--			
29.5	Troubleshoot faulty system per AMM/Fault	--	--	--	--	--	X			
29.6	Check MEL	--	--	--	--	X	--			
30	ICE and Rain Protection	X	X	X	--	X	X			
30.1	Check operation of wiper system	--	X	--	--	--	--			
30.2	Operational test of pilot-probe ice protection	--	X	--	--	--	--			
30.3	Operational test of wing ice protection system	--	X	--	--	--	--			
31	Indicating / recording sys	X	X	X	X	X	--			
32	Landing Gear	X	X	X	X	X	X			
32.1	Replace wheel main	--	--	--	X	--	--			
32.2	Replace wheel nose	--	--	--	X	--	--			
32.3	Functional test of nose wheel	--	X	--	--	--	--			

	steering system										
32.4	Service shock strut	--	--	X	--	--	--				
32.5	Bleed brakes	--	--	X	--	--	--				
32.6	Replace brakes	--	--	--	X	--	--				
32.7	Replace brake fan	--	--	--	X	--	--				
32.8	Test anti-skid system	--	X	--	--	--	--				
32.9	Charge struts with oil and nitrogen	--	--	X	--	--	--				
32.10	Test Auto brake system	--	X	--	--	--	--				
32.11	Operational test of LG doors	--	X	--	--	--	--				
33	Lights	X	X	X	--	--	X				
34	Navigations	--	X	--	--	X	--				
35	Oxygen										
35.1	Inspect on board oxygen system	X	--	X	--	--	--				
35.2	Replace oxygen generator	X	--	--	X	--	--				
35.3	test crew oxygen system	--	X	--	--	--	--				
35.4	Perform auto oxygen system deployment check	--	X	--	--	--	--				
35.5	Check MEL	--	--	--	--	X	--				
36	Pneumatic										
36.1	Check engine bleed air system for leak	X	--	X	--	--	--				



36.2	In-Situ pneumatic Test of air supply	--	x	--	--	--	--			
36.3	Fault detection and isolation of pressure and temperature	x	x	x	--	--	--			
36.4	Check MEL	--	--	--	--	x	--			
38	Water/Waste									
38.1	Replace tap	x	--	--	x	--	--			
38.2	Perform water heater test	x	x	--	--	--	--			
38.3	Inspect waste bin flap closure	--	--	x	--	--	--			
38.4	Service portable water	--	--	x	--	--	--			
38.5	Inspect water disposal	--	--	x	--	--	--			
38.6	Adjust/Test air supply system	--	x	x	--	--	--			
38.7	Perform troubleshooting per AMM/Fault isolation manual	--	--	--	--	--	x			
49	Auxiliary Power Units (APUs)	x	x	x	--	--	x			
49.1	Operational check APU	--	x	--	--	--	--			
49.2	Perform troubleshooting per AMM/Fault isolation manual	--	--	--	--	--	x			
49.3	APU emergency shutdown test	--	x	--	--	--	--			
49.4	Check MEL	--	--	--	--	x	--			

50	Standard Practices and Structures (damage classification, assessment and repair)	--	--	--	--	--	--			
51.1	Assessment of damage per SRM	--	--	x	--	--	--			
51.2	Inspection for corrosion	--	--	x	--	--	--			
51.3	Treatment of corrosion	--	--	x	--	--	--			
52	Doors	x	x	x	--	--	--			
52.1	inspect passenger door per AMM	--	--	x	--	--	--			
52.2	Check operational of emergency exit	--	x	--	--	--	--			
52.3	Check operational check of cargo door	--	x	--	--	--	--			
52.4	Test door warning system	--	x	--	--	--	--			
53	Fuselage	x	--	--	--	--	x			
53.1	Assess damage to structure per SRM	--	--	x	--	--	--			
53.2	Review a typical repair in SRM	--	--	x	--	--	--			
56	Windows	x	--	--	--	--	x			
56.1	Assess cockpit windshield	--	--	x	--	--	--			

	damage									
56.2	Replace cabin window	--	--	--	x	--	--			
56.3	Repair cabin window transparency	--	--	x	--	--	--			
57	Wings	x	--	--	--	--	--			
57.1	Wing L/E damage assessment per SRM	--	--	x	--	--	--			
70	Standard practices – engines – only type particular	--	x	--	--	--	--			
71	Power plant	x	--	--	--	x	x			
71.1	Open/Adjust cowlings	--	--	x	--	--	--			
71.2	Assist in dry motoring check	--	x	--	--	--	--			
71.3	Assist in wet motoring check	--	x	--	--	--	--			
71.4	Assist in engine start	--	x	--	--	--	--			
72	Engine Turbine	x	--	--	--	x	x			
72.1	Assess damage o fanblade	--	--	x	--	--	--			
72.2	Assist on performing bore scope check	--	x	--	--	--	--			
72.3	Assist on engine run up	--	x	--	--	--	--			
72.4	Troubleshoot report fault per AMM/Fault	--	--	x	--	--	--			

	isolation manual										
73	Engine Fuel and Control	x	--	--	--	x	x				
73.1	Adjust FCU/MEC	--	--	x	--	--	--				
73.2	Functional test FADEC	--	x	--	--	--	--				
73.3	Replace/Clean filters	--	--	x	--	--	--				
73.4	Troubleshoot faulty system	--	--	x	--	--	--				
73.5	Check MEL	--	--	--	--	x	--				
74	Ignition										
74.1	Perform functional test of ignition system	--	x	--	--	--	--				
74.2	Inspect igniter plug	x	--	x	--	--	--				
74.3	Check H.T leads	--	--	x	--	--	--				
74.4	Troubleshoot faulty system	--	--	x	--	--	--				
74.5	Check MEL	--	--	--	--	x	--				
75	Air	x	x	--	--	x	x				
75.1	Check MEL	--	--	--	--	x	--				
75.2	Variable stator Vanes/Bypass Vanes inspection/adjustment	--	x	--	--	--	--				
75.3	Turbine case cooling deactivation/reactivation	x	--	x	--	--	--				
76	Engine controls	x	--	--	--	x	x				
76.1	Adjust pedestal	--	--	x	--	--	--				

	micro switches									
76.2	Check Throttle control lever for correct locking and range	--	--	x	--	--	--			
76.3	Check throttle control cable tensions	--	--	x	--	--	--			
76.4	shut off valve control	x	x	--	--	--	--			
76.5	Check MEL	--	--	--	--	x	--			
77	Engine Indicating									
77.1	Engine instruments	x	--	--	--	--	--			
77.2	N1/N2 sensors inspection	--	--	x	--	--	--			
77.3	EGT indicators inspection	x	--	--	--	x	x			
77.4	Engine Vibration indicating system components	x	--	--	--	--	--			
77.5	Engine vibration signal condition	--	x	--	--	--	--			
77.6	Check MEL	--	--	--	--	x	--			
78	Exhaust	x	x	--	--	x	--			
78.1	Inspect thrust reverser	x	--	x	--	--	--			
78.2	Activate/Deactivate thrust reverser	--	--	x	--	--	--			
78.3	Operational test of thrust reverser	--	x	--	--	--	--			
78.4	Troubleshoot faulty system per	--	--	x	--	--	--			

	AMM/Fault isolation manual									
78.5	Check MEL	--	--	--	--	X	--			
79	Oil	X	--	X	X	--	--			
79.1	Service oil	--	--	X	--	--	--			
79.2	Check/Adjust filters, clogging indicators	X	--	X	--	--	--			
79.3	Troubleshoot faulty system Per AMM/Fault isolation manual	--	--	X	--	--	--			
79.4	Chip detector check	X	--	X	--	--	--			
79.5	Oil quantity, Oil Temp, Indicators/sensors	X	--	--	--	--	--			
79.6	Operation check low oil pressure warning system	--	X	--	--	--	--			
80	Starting									
80.1	Starting control and indicating	X	--	--	--	--	--			
80.2	Starter valve inspection	--	--	X	--	--	--			
80.3	Deactivation/Reactivation of valve	--	--	--	--	--	--			
80.4	Manual engine start and starter valve check in closed position	--	--	X	--	--	X			
80.5	Check MEL	--	--	--	--	X	--			

**Name & Sign of assessors:**





## 1. Contents.

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## **2. Scope and Applicability.**

The EASA Part 145 Organisation intending to issue or to renew a C/S and/or S/S individual authorisation is responsible to ensure that such staff is involved in at least 6 months of actual relevant aircraft or component maintenance experience in any consecutive 2-year period, following the criteria outlined in the "Foreign Part 145 approvals – Demonstration of 6/24 months maintenance experience, UG.CAO.00128-XXX"

This logbook is intended to:

- be used by an EASA Part 145 AMO to fulfil the 6/24 months maintenance experience requirement as per 145.A.35.(c), before the issue/re-issue of an individual certification authorisation;
- be applicable to aircraft and/or component and/or engine and/or specialised services certifying staff and to aircraft base maintenance support staff;
- be completed by the candidate C/S and/or S/S;
- be customised, as necessary, by the EASA Part 145 AMO provided that the minimum level of information included in this logbook is maintained; The format and content of the logbook shall be described in the MOE;



### 3. Personnel data.

#### Certifying Staff

Name :

Surname :

Date of birth :

Place of birth :

Certification Authorisation nr :  
(if already hold)

Certifying staff Privileges hold :  
(or intended to be granted)

Signature :



## 4. Logbook data.

### 4.1 Logbook filling instructions.

ID	Option	Description/ Remarks
1. Date	-	<i>Date when the maintenance activity was carried out.</i>
2. Location	-	<i>Location where the maintenance activity was carried out.</i>
3. A/C or comp. type	-	<i>A/C or component type.</i>
4. A/C Reg. or comp. s/n	-	<i>A/C registration marks or component serial number</i>
5. Type of maintenance (rating)	-	<i>Identify the class rating under which the maintenance is carried out. The various options corresponds to the different ratings possible for a Part 145 AMO</i>
6. Privilege used	-	<i>when the person holds different privileges this block is intended to identify the certifying staff or support staff privilege used depending from the rating identified in the previous column (i.e. aircraft certifying staff cat.A or B1 or B2 or C, components or engines or NDT certifying staff )</i>
7. Task type	<i>Identify the task type using the following term as being the more applicable to the task carried out. More than one term may be selected (i.e. TS and R/I and SGH, etc.)</i>	
	FOT	<i>Functional / Operational Test.</i>
	SGH	<i>Service and Ground Handling.</i>
	R/I	<i>Removal / Installation.</i>
	TS	<i>Trouble Shooting.</i>
	MOD	<i>Modification</i>
	REP	<i>Repair</i>
8. Type of activity	<i>Identify the type of activity using the following term as being the more applicable to the activity carried out. More than one term may be selected.</i>	
	Training	<i>the person recording the task in this logbook is under training</i>
	Perform	<i>The maintenance activity recorded in the row was performed by the logbook owner</i>
	Supervise	<i>The maintenance activity recorded in the row was supervised by the logbook owner</i>
	CRS	<i>The maintenance activity recorded in the row was released to service by the logbook owner</i>
9. ATA	-	<i>Enter the ATA chapter which better describes the majority of the activity carried out. More than one ATA chapters may be entered when necessary/applicable to the activity carried out.</i>
10. Operation performed	-	<i>This filed is used to provide detailed reference to the task carried out</i>
11. Time (hrs)	-	<i>Enter the total time (in hours) spent to accomplish the activity recorded in the row</i>
12. Maintenance record ref.	-	<i>Enter the precise reference of the maintenance records where the activity mentioned in this logbook was recorded (i.e. ATL page 34 dated 1/1/2013, or work card nr. 12345, etc.).</i>
13. Remarks	-	<i>this field is intended to be used for any additional comment/not which was not possible to enter in the other fields.</i>



## 4.2 Logbook records.

This logbook is intended to be hand written by the certifying staff. Add rows/pages as necessary.

(example)

1. Date	2. Location	3. A/C or Comp. Type	4. A/C Reg. or Comp.S/n	5. Type of maintenance (rating)	6. Privilege used	7. Task type							8. Type of activity				9. ATA	10. Operation performed	11. Time Duration	12. Maintenance record ref.	13. Remarks	
						FOT	SGH	R/I	TS	MOD	REP	INSP	Training	Perform	Supervise	CRS						
2/1/13	XX workshop	FDR	123456	C13	component cert.staff					X	X			X		31	shop visit for repair	16	EASA Form 1 nr. XXXXXX			
1/1/13	Moscow SVO	A320 (CFM56)	EU-CAO	A1-line	B1		X				X		X	X	32	RH MLG WHEEL change	1	ATL page 12				

