



A APPLICANT DETAILS

## ATPL - MPL - TR MP - SP HP COMPLEX A

ISSUE - REVAL. - RENEWAL SKILL TEST - PROF. CHECK

**CHECKLIST** 

Ref: Appendix 9 Part FCL Reg. 1178/2011

ATPL MPL	SE ME	■ IR
Type rating	MP	SPHPC
TRNG RCRD	SKILL TEST	PROF CHECK

Applic	cant last name(s)		Licence typ	ре			Licence	number					
Applic	cant first name(s)		ID card nr.				Signatur	е					
SIN	GLE-PILOT HIG	OT AEROPLANES and GH-PERFORMANCE COMPLEX EROPLANES	PR	ACTICA	L TRAIN	IING				R SKILL TEST or ENCY CHECK			
	MAN0EU	VRES / PROCEDURES	FSTD	А	<b>✓</b>	N/A	FSTD	А	М	PASS	FAIL	N/A	
0 5	0 SECTION 0 - THEORETICAL KNOWLEDGE												
0.1	Theoretical know	vledge	N/A	N/A			N/A	N/A	М				
			Instructo	r initials					Examine	er initials			
1 S	1 SECTION 1 - FLIGHT PREPARATION												
1.1	Performance cal	OTD P											
1.2	Aeroplane ext. v	risual inspection; location of each item rispection	OTD P#	Р									
1.3	Cockpit inspection	on	P>	<b>→</b>									
1.4	procedures radi	st prior to starting engines; starting to and navigation equipment check tting of navigation and communication	D \	<b>&gt;</b>					М				
1.5	Taxiing in con instructions of in		P->	<b>→</b>									
1.6	Before take-off c	hecks	P>	<i>→</i>					М				
			Instructo	r initials					Examine	r initials	$\rightarrow$		
2 S	SECTION 2 - TA	KEOFFS											
2.1	Normal take-offs	s with different flap settings, including	P>	$\rightarrow$									
2.2		-off: transition to instrument flight is rotation or immediately after becoming		<b>→</b>									
	>>> Note 1: Iter instruments	n shall be flown solely by reference to											
2.3	Cross wind take	-off	<i>P</i> →	<b>→&gt;</b>									
2.4	Take-off at maxin	P>	<b>→</b>										
	Instructor initials								Examine	r initials			

MMM

SING	MULTI-PILOT AEROPLANES and LE-PILOT HIGH-PERFORMANCE COMPLEX AEROPLANES	PR	ACTICAL	. TRAINI	NG	ATPL, MPL, TR SKILL TEST or PROFICIENCY CHECK						
_	MANOEUVRES / PROCEDURES	FSTD	А	<b>✓</b>	N/A	FSTD	А	М	PASS	FAIL	N/A	
2 SE	2 SECTION 2 - TAKEOFFS (cont.)											
2.5	Take-offs with simulated engine failure	P>	<i>→</i>									
2.5.1	Shortly after reaching V2  >>> Note 2: Item shall be flown solely by reference to instruments	P>	<b>→</b>									
reachin	>>> Note 3: In aeroplanes which are not certificated as transport category or commuter category aeroplanes the engine failure shall not be simulated unti- reaching a minimum height of 500 ft. above runway end. In aeroplanes having the same performance as a transport category aeroplane regarding take-off mass and density altitude, the instructor may simulate the engine failure shortly after reaching V2											
2.5.2	>>> Note 4: Item shall be flown solely by reference to instruments		X					M FFS only				
2.6	Rejected take-off at a reasonable speed before reaching V1	P>	->					М				
		Instructo	r initials					Examine	r initials			
3 SI	3 SECTION 3 - FLIGHT MANOEUVRES AND PROCEDURES											
3.1	Manual flight with and without flight directors (no autopilot, no autothrust / autothrottle, and at different control laws, where applicable)	P>	->									
3.1.1	At different speeds (including slow flight) and altitudes within the FSTD training envelope	P>	->									
3.1.2	Steep turns using 45° bank, 180° to 360° left and right	P>	->									
3.1.3	Turns with and without spoilers	P>	<b>→</b>									
3.1.4	Procedural instrument flying and manoeuvring including instrument departure and arrival, and visual approach	P>	<b>→</b>									
3.2	Tuck under and Mach buffets (if applicable) and other specific flight characteristics of the aeroplane (e.g. Dutch Roll)	P>	—> X Note 5			FFS only	N/A					
	>>> Note 5: An aeroplane shall not be used		71010 0									
3.3	Normal operation of systems and controls engineer's panel (if applicable)	OTD P—>	<b>→</b>									
	Normal and abnormal operations of following systems											
3.4	>>> Note 6: A mandatory minimum of 3 abnormal items shall be selected from 3.4 to 3.4.14 inclusive							М				
3.4.0	Engine (if necessary propeller)	OTD P—>	_>									
3.4.1	Pressurization and air conditioning	OTD P—>	_>									
3.4.2	Pitot / static system	OTD P—>	->									
3.4.3	Fuel system	OTD P—>	_>									
		Instructo	r initiale					Examine	r initiale			

SINGL	MULTI-PILOT AEROPLANES and E-PILOT HIGH-PERFORMANCE COMPLEX AEROPLANES	PR	ACTICAL	_TRAINI	NG	ATPL, MPL, TR SKILL TEST or PROFICIENCY CHECK							
	MANOEUVRES / PROCEDURES	FSTD	Α	<b>✓</b>	N/A	FSTD	Α	М	PASS	FAIL	N/A		
3 SE	3 SECTION 3 - FLIGHT MANOEUVRES AND PROCEDURES (cont.)												
3.4.4	4 Electrical system		<i>→</i>					М					
3.4.5	Hydraulic system	OTD P—>	<b>→</b>										
3.4.6	Flight control and trim system	OTD P—>	<b>→</b>			FFS only	N/A	М					
3.4.7	Anti-icing / de-icing system, glare shield heating	OTD P—>						М					
3.4.8	Autopilot / Flight Director  >>> Note 7: Single pilot only	OTD P→						M Note 7					
3.4.9	Stall warning devices or stall avoidance devices, and stability augmentation devices	OTD P→>											
3.4.10	Ground proximity warning system, weather radar, radio altimeter, transponder	P>											
3.4.11	Radios, navigation equipment, instruments, FMS	OTD P—>											
3.4.12	Landing gear and brake		<b>→</b>										
3.4.13	Slat and Flap system		_>										
3.4.14	Auxiliary Power Unit (APU)	OTD P→	<b>-&gt;</b>										
3.5	Intentionally left blank	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	Abnormal and emergency procedures							М					
3.6	>>> Note 8: A mandatory minimum of 3 abnormal items shall be selected from 3.6.1 to 3.6.9 inclusive							Note 8					
3.6.1	Fire drills e.g. Engine, APU, cabin, cargo compartment, flight deck, wing and electrical fires including evacuation	P>	<i>→</i>										
3.6.2	Smoke control and removal	P>	<i>→</i>										
3.6.3	Engine failures, shutdown and restart at a safe height	P>	<i>→</i>										
3.6.4	Fuel dumping (simulated)	P>	<i>→</i>										
3.6.5	Wind shear at take-off / landing	Р	X			FFS only	N/A						
3.6.6	Simulated cabin pressure failure / emergency descent	P>	->										
3.6.7	Incapacitation of flight crew member	P>	_>										
3.6.8	Other emergency procedures as outlined in the appropriate aeroplane fight manual (AFM)	P>	<b>&gt;</b>										
		Instructo	r initials					Examine	rinitials				

SINGL	MULTI-PILOT AEROPLANES and E-PILOT HIGH-PERFORMANCE COMPLEX AEROPLANES	PR	ACTICAL	TRAIN	ING	ATPL, MPL, TR SKILL TEST or PROFICIENCY CHECK					
	MANOEUVRES / PROCEDURES	FSTD	Α	<b>✓</b>	N/A	FSTD	Α	М	PASS	FAIL	N/A
3 SEC	CTION 3 - FLIGHT MANOEUVRES AND PROC										
3.6.9	TCAS event  >>> Note 9: An airplane shall not be used	OTD P—>	Note 9			FFS only	N/A				
3.7	Upset recovery training										
3.7.1	Recovery from stall events in:  Take-off configuration Clean configuration at low altitude Clean configuration near max operat altitude Landing configuration  Note 10: FFS qualified for the training task Note 11: An aeroplane shall not be used		X Note 11						_		
3.7.2	The following upset exercises:  Recovery from nose-high at various bank angles Recovery from nose-low at various bank angles  Note 12: FFS qualified for the training task Note 13: An aeroplane shall not be used		X Note 13			FFS only	N/A				
3.8	Instrument flight procedures										
3.8.1	Adherence to departure and arrival routes and ATC instructions	P>	<b>→</b>					М			
3.8.2	Holding procedures	P>	<i>→</i>								
3.8.3	3D operations to DH / DA of 200 ft (60 m) or to higher minima if required by the approach procedure										
	e 14: According to the AFM, RNP APCH procedures raking into account such limitations (for example, choose							edure to l	be flown i	manually .	shall be
3.8.3.1	Manually, without flight director  >>> Note 15: Skill test only	<i>P→</i>	->					M Note 15			
3.8.3.2	Manually, with flight director	P>	<b>-&gt;</b>								
3.8.3.3	With autopilot	P>	<b>→</b>								
Manually, with one engine simulated inoperative during final approach, either until touchdown or through the complete missed approach procedure (as applicable), starting:  (i) before passing 1000ft above aerodrome level; and (ii) after passing 1000ft above aerodrome level In aeroplanes which are not certificated as transport category aeroplanes (JAR/FAR 25) or as commuter category aeroplanes (SFAR 23), the approach with simulated engine failure and the ensuing go-around shall be initiated in conjunction with the 2D approach in accordance with 3.8.4. The go-around shall be initiated when reaching the published obstacle clearance height/altitude (OCH/A), however, not later than reaching an MDH/A of 500 ft above the runway threshold elevation. In aeroplanes having the same performance as a transport category aeroplane regarding take-off mass and density altitude, the instructor may simulate the engine failure in accordance with 3.8.3.4			<b>→</b>					М			
		Instructo	r initials					Examine	r initials		

SING	MULTI-PILOT AEROPLANES and ILE-PILOT HIGH-PERFORMANCE COMPLEX AEROPLANES	PR/	ACTICAL	_ TRAINI	NG			MPL, TR OFICIEN				
	MAN0EUVRES / PROCEDURES	FSTD	Α	<b>✓</b>	N/A	FSTD	А	М	PASS	FAIL	N/A	
3 SE	3 SECTION 3 - FLIGHT MANOEUVRES AND PROCEDURES (cont.)											
3.8.4	2D operations down to the MDH /MDA	P>	$\rightarrow$					М				
	Circling approach under the following conditions:											
3.8.5	(a) Approach to the authorised minimum circling approach altitude at the aerodrome in question in accordance with the local instrument approach facilities in simulated instrument flight conditions; followed by  3.8.5  (b) Circling approach to another runway at least 90° off centreline from the final approach used in item (a), at the authorised minimum circling approach altitude.		→									
	Remark: if (a) and (b) are not possible due ATC reasons, a simulated low visibility pattern may be performed											
3.8.6	Visual approaches	<i>P</i> →	<i>→</i>									
		Instructo	r initials					Examine	rinitials			
4 SE	4 SECTION 4 - MISSED APPROACH PROCEDURES											
4.1	Go-around with all engines operating* during a 3D operation on reaching DH	P*>	_>									
4.2	Go-around with all engines operating* from various stages during an instrument approach	P*>	->									
4.3	Other missed approach procedures	P*>	->									
4.4	Manual go-around with the critical engine simulated inoperative after an instrument approach on reaching DH, MDH or MAPt	P*>	->					М				
	>>> Note 16: Item shall be flown solely by reference to instruments  Rejected landing with all engines operating:											
4.5	<ul> <li>From various heights below DH/MDH;</li> <li>After touchdown (balked landing)</li> <li>Note 17: In aeroplanes which are not certificated as transport category aeroplane (JAR/FAR 25) or as commuter category aeroplanes (SFAR 23), the rejected landing with all engines operating shall be</li> </ul>	<i>P→</i>	<b>→</b>			_						
	initiated below MDH/A or after touchdown	Instructo	r initials			$\vdash$		Examine	r initials			
<u> </u>		mou z z z	1 11110.2.2					E Aurille				
5 SE	ECTION 5 - LANDINGS											
5.1	Normal landings* with visual reference established when reaching DA/H following an instrument approach operation	Р										
5.2	Landing with simulated jammed horizontal stabiliser in any out-of-trim position	P>	Note 18			FFS only	N/A					
5.3	>>> Note 18: An aeroplane shall not be used  Crosswind landings (aircraft, if practicable)	P>	<b>→</b>									
5.4	Traffic pattern and landing without extended or with partly extended flaps and slats	P>	<b>→</b>									
		Instructo	r initials					Examine	r initials			

SIN	MULTI-PILOT AEROPLANES and SINGLE-PILOT HIGH-PERFORMANCE COMPLEX AEROPLANES				PRACTICAL TRAINING				ATPL, MPL, TR SKILL TEST or PROFICIENCY CHECK					
	MANOEUVRES / PROCEDURES				Α	<b>✓</b>	N/A	FSTD	FSTD A M PASS FAI			FAIL	N/A	
5	SECTION 5	- LANDINGS (co	ont.)											
5.5	5.5 Landing with critical engine simulated inoperative				<b>&gt;</b>					М				
5.6	Landing with two engines inoperative:  Aeroplanes with three engines: the centre engine and one outboard engine as far as practicable according to data of the AFM; and Aeroplanes with four engines: two engines at one side.				X			FFS only	N/A	M Skill test only				
					r initials			Examiner initials						
В	TYPE RAT	ING INSTRUCTO	R											
Instru	ıctor details	Name					License r	e number						
(as a	oplicable)	Signature					Location	n and date						
С	TYPE RAT	NG EXAMINER												
		Name		License numbe					ber					
Exan	niner details	Signature					Location	n and date						
									7	FND	/7			

## >>>> STANDARDIZATION REFERENCE GUIDE - NOT TO BE REPORTED TO NAA <<<<<

A1	APPENDIX	(1 - GL	OSSARY, CROSS-REFERENCE, DETAILED INSTRUCTIONS						
		Р	Trained as PIC or Co-pilot and as PF and PM for the issue of type rating as applicable.						
(a)	Symbols	OTD	Other Training Devices may be used for this exercise.						
(a)	meaning	Χ	An FFS shall be used for this exercise; otherwise an aircraft shall be used if appropriate for the manoeuvre or procedure.						
		P#	The training shall be complemented by supervised aeroplane inspection.						
			actical training shall be conducted at least at the training equipment level shown as (P), or may be conducted up to any higher ent level shown by the arrow (—>). The following abbreviations are used to indicate the training equipment used:						
(b)	Practical training	Α	Aeroplane						
(-)		FFS	Full flight simulator						
		FSTD	Flight simulator training device						
(c)	Starred items	The sta	The starred items (*) shall be flown solely by reference to instruments.						
(d)	Mandatory exercise or choice	М	M Where letter "M" appears in the skill test or proficiency check column, this will indicate a mandatory exercise or a choice where more than one exercise appears.						
			shall be used for practical training and testing if the FFS forms part of an approved type rating course. The following considerations ly to the approval of the course:						
(e)	Testing in	(i)	The qualifications of the instructors						
(0)	an FFS	(ii)	The qualification and the amount of training provided on the course in an FSTD						
		(iii)	The qualifications and previous experience on similar types of the pilots under training						
(f)	MCC operations	Manoeu pilot ope	ivres and procedures shall include MCC for multi-pilot aeroplane and for single-pilot high-performance complex aeroplanes in multi- erations.						
(g)	Single pilot role	Manoeu operatio	ivres and procedures shall be conducted in single-pilot role for single-pilot high-performance complex aeroplanes in single pilot ons.						
(h)	Multi-pilot operations	the type	In the case of single-pilot high performance complex aeroplanes, when a skill test or proficiency check is performed in multi-pilot operations, the type rating shall be restricted to multi-pilot operations. If privileges of single-pilot are sought, the manoeuvres/procedures in 2.5, 3.8.3.4, 4.4, 5.5 and at least one manoeuver/procedure from section 3.4 have to be completed in addition as single-pilot.						
(i)	Restricted type rating		case of a restricted type rating issued in accordance with FCL.720.A(e), applicants shall fulfill the same requirements as other nts for the type rating except for the practical exercises relating to the take-off and landing phases.						
(i)	PBN privileges	in an ap of PBN	blish or maintain PBN privileges one approach shall be an RNP APCH. Where an RNP APCH is not practicable, it shall be performed appropriately equipped FSTD. By way of derogation from the subparagraph above, in cases where a proficiency check for revalidation privileges does not include an RNP APCH exercise, the PBN privileges of the pilot shall not include RNP APCH. The restriction shall if the pilot has completed a proficiency check including an RNP APCH exercise.						

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A2 APPENDI	X 2 - FLIGHT TEST TOLI	ERANCE									
<u> </u>	Applicants shall demonstrate the ability to:										
(a)	Operate the aeroplane with	hin its limitations									
(b)	Complete all manoeuvres	with smoothness and accuracy									
(c)	Exercise good judgement	and airmanship									
(d)	Apply aeronautical knowle	dge									
(e)	Maintain control of the aer	oplane at all times in such a ma	nner that the successful outcome of a procedure or manoeuvre is never in doubt								
(f)	Understand and apply cres	w coordination and incapacitation	on procedures, if applicable								
(g)	Communicate effectively w	vith the other crew members, if a	applicable								
The following limit	ts shall apply, corrected to i	make allowance for turbulent	conditions and handling qualities and performance of the aeroplane used:								
	Generally	± 100 ft									
HEIGHT	Starting a go-around at DH / DA	+ 50 ft / -0 ft									
	Minimum descent height/MAPt/altitude	+ 50 ft / -0 ft									
	On radio aids	<u>±</u> 5°									
	Angular deviations	± 1/2 scale deviation	Half-scale deflection, azimuth and glide path (e.g. LPV, ILS, MLS, GLS)								
TRACKING	2D (LNAV) 3D (LNAV / VNAV) linear lateral deviations	± 1/2 RNP procedure value	Cross-track error/deviation shall normally be limited to $\pm \frac{1}{2}$ of the RNP value associated with the procedure. Brief deviations from this standard up to a maximum of one time the RNP value are allowable.								
	3D (LNAV / VNAV) linear vertical deviations	± 75 ft	not more than – 75 ft below the vertical profile at any time, and not more than + 75 ft above the vertical profile at or below 1 000 ft above aerodrome level.								
HEADING	All engine operating	± 5°									
ΠΕΑΟΙΝΟ	Simulated engine failure	± 10°									
SPEED	All engine operating	± 5 knots									
SPEED	Simulated engine failure	+ 10 knots / - 5 knots									

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**END**