

Federal Aviation Administration National Simulator Program



Statement of Qualification

The Federal Aviation Administration (FAA)
National Simulator Program has evaluated the Flight Simulation Training
Device (FSTD) listed below. This FSTD has been found to meet
the standards set forth in the qualification document described below:

Sponsor: Airbus Helicopters Inc.

Location: Marseille

Aircraft Type: AS-332-L1

FAA Identification Number: 1284

Qualification Basis: 14 CFR Part 60 Change 1, Appendix C

Qualification Level: D

Issued by the National Simulator Program
on January 4, 2018.

A handwritten signature in black ink, appearing to read "Lawrence McDonald".

Lawrence McDonald

Manager, National Simulator Program
Federal Aviation Administration

To maintain qualification, the FSTD must meet all of the standards and specifications of the qualification basis and is subject to the conditions and limitations listed in the last FAA FSTD Evaluation Report. This certificate is not transferable, and unless, revoked, suspended, or amended, shall remain in effect until April 30, 2020.

Federal Aviation Administration National Simulator Program FSTD Information Form	Sponsor:	Airbus Helicopters Inc.
	FSTD ID:	1284
	Aircraft Type:	AS-332-L1

Email Form to: 9-ASO-AFS205-NSP-SIMULATOR-SCHEDULING@faa.gov

Sponsor Submission Date: 01/04/2018			
Section 1. FSTD Sponsor Information			
Sponsor Name:	Airbus Helicopters Inc.	FSTD Location:	
Address:	2701 Forum Drive	Physical Address:	BP 10 001
City:	Grand Prairie	City:	Marignane Cedex
State/Prov/Terr:	Texas	State:	Marseille Provence
Country:	USA	Country:	France
ZIP:	75052	ZIP:	13725
Sponsor ID No: (FAA Certificate Number)	VYIX	Nearest Airport: (Apt Code)	Aeroport International Marseille Provence (LFML)
Local FAA Authority: FAA Training Program Approval Authority: (TPAA)			
Name:	Hollis K. Wynne		
Address:	ASW-142 CMO Freeport Office Center III 8700 Freeport Parkway	Office Phone	240-312-4108
City:	Irving	Cell:	202-384-6704
State:	Texas	Fax:	(214) 277-8485
ZIP:	76063	Email:	hollis.k.wynne@faa.gov
FAA Alternate POC (APM, FTPM, if required)			
Name:			
Address :		Office Phone	
City/State:		Cell:	
State:		Fax:	
ZIP:		Email:	
FSTD Management Representative::			
Name:	Brian Neuhoff		
Address 1:	2701 Forum Drive	Office Phone	972-641-5254
City/State:	Grand Prairie	Cell:	214-507-1327
State:	USA	Fax:	(972) 641-3765
ZIP:	75052	Email:	brian.neuhoff@airbus.com
FSTD Contact:			
Name:	Pierre Alglave		
Address 1:	Aeroport International Marseille Provence	Office Phone	+33 4 42 77 39 05
City/State:	Marignane Cedex	Cell:	+33 6 89 58 89 86
State:	France	Fax:	+33 4 42 77 39 38
ZIP:	13725	Email:	pierre.alglave@airbus.com

NSP Form T001A: 11/05/2017

OMB Control Number 2120-0680: Expiration Date 7/31/2016

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	Aircraft Type:	AS-332-L1

Section 2. FSTD Information

Aircraft make/model/series:	AS-332-L1	A/C Common Name:	Super Puma MK1
Qualification Basis:	Part 60, Change 1, Appendix C	Manufacture Serial No.:	46 670 497 (Base) 46 670 503 (Cockpit)
Qualification Level:	<u>D</u>		
Base Month: January	<input checked="" type="checkbox"/> Full Flight Simulator (FFS) <input type="checkbox"/> Flight Training Device (FTD)	Sponsor's FSTD ID:	FFS1 / AS332 L1

National Aviation Authority Qualification (For BASA-SIP Evaluations only):

NAA Name:	
NAA FSTD ID No:	
NAA Qualification Level:	
NAA Qualification Basis:	

Technical Information:

FAA FSTD ID No: 1284 (If Applicable)	Convertible FSTD: <input checked="" type="checkbox"/> Yes	FSTD Manufacturer:	Thales Training and Simulation
<input checked="" type="checkbox"/> eMQTG	Conv. FAA FSTD ID No. 1285	Date of Manufacture:	2001

FSTD Configurations:	
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Pri. Engine Type/Thrust:	Makila 1A1 / 1400 KW	FADEC Version
Alt. Engine Type/Thrust:	/	
Alt. Engine Type/Thrust:	/	
Alt. Engine Type/Thrust:	/	

Flight Instrumentation/Systems:	<input type="checkbox"/> EFIS <input type="checkbox"/> HUD/HGS <input type="checkbox"/> EVS <input checked="" type="checkbox"/> WX Radar <input type="checkbox"/> NVG <input type="checkbox"/> GPS <input type="checkbox"/> GPWS <input type="checkbox"/> FMS <input type="checkbox"/> TCAS Ver: <input type="checkbox"/> CPDLC <input type="checkbox"/> EFB Class: <input type="checkbox"/> Other:
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FSTD seats available:	5	Fit. control data revision: 511/EME-HYD/Helisim_MK1/JPL of 04/06/01
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FSTD host computer: VME rack with CETIA Power PC	Aero model/data: Eurocopter HOST V3.2.4
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Visual image generator: Thales View Visual System	Avionics Type/Suite: Analog
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Visual system display: Collimated display / FOV 200*60	Avionics Std/Rev: GMM 5086
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Visual projector: BARCO / Sim 7QP 5 projectors	FMS: Type/Rev.
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	Motion system: Thales TT&S M6X motion system
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Airport Qualification Models If illustrations or other presentations are attached please specify:

Airport Qualification Model 1 / Available In-Use Runways /Taxiway:	LFML / ALL / ALL		
Airport Qualification Model 2 / Available In-Use Runways /Taxiway:	/ /		
Airport Qualification Model 3 / Available In-Use Runways / Taxiway:	/ /		
Visual Ground Segment:	<table border="1"> <tr> <td>LFML Airport Designator</td> <td>13L Landing Runway</td> </tr> </table>	LFML Airport Designator	13L Landing Runway
LFML Airport Designator	13L Landing Runway		

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Section 3a. Level 6 and Above--Additional FSTD Qualified Maneuvers, Procedures, Tasks, and Functions (For Level 4 and 5 see Section 3c below)
(not stated in 14CFR Part 60 Appendix (A,B,C, or D) Attachment 1, Table 1B)

Except for Non-Qualified items stated in section 4 below, this FSTD is qualified to perform all maneuvers, procedures, tasks, and functions listed in the applicable QPS Appendix, Tables 1B and 1C of 14 CFR Part 60 as amended. Additionally, this FSTD is qualified to perform maneuvers, procedures, tasks, and functions annotated in sections 3a, 3b, or 3c below. Specific use of this device in conjunction with any training program must be approved by the FAA Training Program Approval Authority (TPAA).

FAA Qualifying Official(s): McNamara

Area/Function/Maneuver	Requested (Sponsor Use)	Qualified (FAA Use Only)	Remarks (Including Partial Task Limitations)
CAT I: (RVR 2400/1800 ft. DH200 ft)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CAT II: (RVR 1200 ft. DH 100 ft)	<input type="checkbox"/>	<input type="checkbox"/>	
CAT III: (lowest minimum evaluated) RVR, DH ft.	<input type="checkbox"/>	<input type="checkbox"/>	
Circling Approach : Arpt/Appr/Ldg RW	<input type="checkbox"/>	<input type="checkbox"/>	
Windshear Training:	<input type="checkbox"/>	<input type="checkbox"/>	
Auto-coupled Approach	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Auto Go Around	<input type="checkbox"/>	<input type="checkbox"/>	
Auto-land / Roll Out Guidance	<input type="checkbox"/>	<input type="checkbox"/>	
TCAS/ACAS I / II	<input type="checkbox"/>	<input type="checkbox"/>	
WX-Radar	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
HUD / HGS	<input type="checkbox"/>	<input type="checkbox"/>	
EFVS	<input type="checkbox"/>	<input type="checkbox"/>	
TAWS (GPWS / EGPWS)	<input type="checkbox"/>	<input type="checkbox"/>	
SMGCS: Arpt/Taxi Route, Visibility, mono/bidirectional	<input type="checkbox"/>	<input type="checkbox"/>	
Enhanced Taxi Markings: Arpt/Taxi Route	<input type="checkbox"/>	<input type="checkbox"/>	
RWSL/LAHSO	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> LPV <input type="checkbox"/> GPS <input type="checkbox"/> WAAS	<input type="checkbox"/>	<input type="checkbox"/>	
RNP/AR	<input type="checkbox"/>	<input type="checkbox"/>	
ADS-B <input type="checkbox"/> In	<input type="checkbox"/>	<input type="checkbox"/>	
Full Stall (14 CFR Part 60 (2016)/FSTD Directive 2)	<input type="checkbox"/>	<input type="checkbox"/>	
UPRT (14 CFR Part 60 (2016)/FSTD Directive 2)	<input type="checkbox"/>	<input type="checkbox"/>	
Icing (14 CFR Part 60 (2016)/FSTD Directive 2)	<input type="checkbox"/>	<input type="checkbox"/>	
Realistic Gusting Crosswind (14 CFR Part 60 (2016)/FSTD Directive 2)	<input type="checkbox"/>	<input type="checkbox"/>	
Bounced Landing (14 CFR Part 60 (2016)/FSTD Directive 2)	<input type="checkbox"/>	<input type="checkbox"/>	

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Section 3b. Additional Helicopter FSTD Qualified Maneuvers, Procedures, Tasks, and Functions
(not stated in 14CFR Part 60 Appendix (C or D) Attachment 1, Table 1B)

Area/Function/Maneuver	Requested (Sponsor Use)	Qualified (FAA Use Only)	Remarks (Including Partial Task Limitations)
Helicopter Slope Landings	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	LFML
Helicopter External Load Operations	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Helicopter Pinnacle Approach to Landings	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Helicopter Night Vision Maneuvers Evaluated with Class A Lens <input type="checkbox"/> Class B Lens <input type="checkbox"/> NVG Confined Area Location:	<input type="checkbox"/>	<input type="checkbox"/>	
Helicopter Category A Takeoffs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
SAR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Off Airport Sites: Frigate Mistral, Marseille Hospital Nord, Wharf	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	

Section 3c. Level 4 & 5 FSTD Only --Optionally Qualified Maneuvers, Procedures, Tasks, and Functions as defined in Table B1B and D1B.

Area/Function/Maneuver	Requested (Sponsor Use)	Qualified (FAA Use Only)	Remarks (Including Partial Task Limitations)
Preflight Procedures			
Preflight Inspection (flight deck only).	<input type="checkbox"/>	<input type="checkbox"/>	
Engine Start	<input type="checkbox"/>	<input type="checkbox"/>	
Pre-takeoff Checks.	<input type="checkbox"/>	<input type="checkbox"/>	
In-flight Maneuvers			
Approach to Stalls	<input type="checkbox"/>	<input type="checkbox"/>	Level 5 Only
Engine Failure (procedures only)	<input type="checkbox"/>	<input type="checkbox"/>	Level 5 Only
Specific Flight Characteristics incorporated into the user's approved flight training program	<input type="checkbox"/>	<input type="checkbox"/>	
Instrument Procedures			
Standard Terminal Arrival/Flight Management System Arrival	<input type="checkbox"/>	<input type="checkbox"/>	Level 5 Only
Holding	<input type="checkbox"/>	<input type="checkbox"/>	Level 5 Only
Precision Instrument, all engines operating	<input type="checkbox"/>	<input type="checkbox"/>	Level 5 Only
Non-Precision Instrument, all engines operating	<input type="checkbox"/>	<input type="checkbox"/>	Level 5 Only
Missed Approach	<input type="checkbox"/>	<input type="checkbox"/>	Level 5 Only
Landings and Approaches to Landings			
Visual Approaches (normal, steep, shallow) with visual system	<input type="checkbox"/>	<input type="checkbox"/>	Level 5 Helicopter
Normal and Abnormal Procedures			
Powerplant	<input type="checkbox"/>	<input type="checkbox"/>	

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Fuel System.	<input type="checkbox"/>	<input type="checkbox"/>	
Electrical System.	<input type="checkbox"/>	<input type="checkbox"/>	
Environmental and Pressurization Systems	<input type="checkbox"/>	<input type="checkbox"/>	
Fire Detection and Extinguisher Systems	<input type="checkbox"/>	<input type="checkbox"/>	
Navigation and Avionics Systems	<input type="checkbox"/>	<input type="checkbox"/>	
Automatic Flight Control System, Electronic Flight Instrument System, and Related Subsystems.	<input type="checkbox"/>	<input type="checkbox"/>	
Flight Control Systems	<input type="checkbox"/>	<input type="checkbox"/>	
Anti-ice and Deice Systems	<input type="checkbox"/>	<input type="checkbox"/>	
Aircraft and Personal Emergency Equipment	<input type="checkbox"/>	<input type="checkbox"/>	
Emergency Procedures			
Emergency Descent (Max Rate)	<input type="checkbox"/>	<input type="checkbox"/>	Level 5 Only
Inflight fire and smoke removal	<input type="checkbox"/>	<input type="checkbox"/>	Level 5 Only
Rapid Decompression	<input type="checkbox"/>	<input type="checkbox"/>	Level 5 Only
Emergency Evacuation	<input type="checkbox"/>	<input type="checkbox"/>	
Post flight Procedures.			
After-Landing Procedures	<input type="checkbox"/>	<input type="checkbox"/>	
Rotor brake operation.	<input type="checkbox"/>	<input type="checkbox"/>	Helicopter only
Abnormal/emergency procedures	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	

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Section 4. Non Qualified Tasks

FSTD users should also observe any Non-Qualified Tasks or Missing, Malfunctioning, or Inoperative (MMI) Components noted on the most recent FAA evaluation report or in the Sponsor discrepancy log that may or may not result in a training, testing, or checking restriction.

Maneuvers, Procedures, Tasks, and Functions for which this FSTD is
NOT Qualified

Area/Function/Maneuver	Remarks
1. Several white vertical streaks noticeable in the right side visual system. Most noticeable in turns with dark background in daylight scenes. Also noticed in left visual scene but to a lesser extent. Does not affect training. At this time the visual system has been accepted by the NSP during the Initial qualification.	
2. Floats are not visible from the cockpit when deployed, not qualified for task requiring visual sight of the floats until corrected.	
3.	
4.	
5.	
6.	

