

Federal Aviation Administration National Simulator Program



Statement of Qualification

The Federal Aviation Administration (FAA) National Simulator Program (NSP) has evaluated this Flight Simulation Training Device (FSTD) and found it to meet the standards set forth in the qualification document.

Sponsor	
FAA ID	
Aircraft Designation	
Qualification Document	
Qualification Level	
Expiration Date	

With the exception of noted exclusions for which this FSTD has not been subjectively tested, the qualification of this FSTD includes the tasks set out in the applicable qualification document. To maintain qualification, this FSTD must continue to meet all the standards and specifications of the qualification document and is subject to the conditions and limitations in the FSTD Information and Configuration List as well as the last FAA FSTD Evaluation Report. This certificate is not transferable, and unless revoked, suspended, or amended is valid until the expiration date.

Federal Aviation Administration
National Simulator Program

FSTD INFORMATION & CONFIGURATION

Sponsor Name:	Airbus Helicopters Inc.
Designator:	VY1X
FAAID:	1237
Make/Model/Series:	EC-155-B
Evaluation Interval:	24

Section 1. Sponsor | FSTD Location | Contact Information

FSTD Location

Training Facility Name:	Airbus Helo Training Marseille France
Address:	Aeroport International Marseille Provence BP 10 001
City:	MARIGNANE CEDEX
State/Prov/Terr:	FR
Country:	FRA
ZIP:	13725

Local FAA Authority / FAA Training Program Approval Authority (TPAA)

Name:	Wynne, Hollis		
Address:	18422 Bellingrath Lakes Ave		
City:	GREENWELL SPRINGS		
State/Prov/Terr:	LA	Office:	(214) 277-5400
Country:	USA	Cell:	(337) 424-3467
ZIP:	70739	Email:	Hollis.K.Wynne@faa.gov

FAA Alternate POC (APM, FTPM, if applicable)

Name:	George, Okey		
Address:	8700 Freeport Pkwy		
City:	IRVING		
State/Prov/Terr:	TX	Office:	(214) 277-8459
Country:	USA	Cell:	(812) 595-0890
ZIP:	75063	Email:	Okey.George@faa.gov

Sponsor FSTD Management Representative

Name:	Neuhoff, Brian		
Address:	2701 N. Forum Drive		
City:	GRAND PRAIRIE		
State/Prov/Terr:	TX	Office:	(972) 641-5254
Country:	USA	Cell:	(214) 507-1327
ZIP:	75052	Email:	brian.neuhoff@airbus.com

Sponsor FSTD Local Contact

Name:	Alglave, Pierre		
Address:	Aeroport International Marseille Provence		
City:	MARIGNANE CEDEX		
State/Prov/Terr:	FR	Office:	+33 442 77 3905
Country:	FRA	Cell:	+33 689 58 8986
ZIP:	13725	Email:	Pierre.alglave@AIRBUS.COM

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Section 2. FSTD Information

A/C Common Name:	EURCPT EC-155	Manufacturer Name:	Thales
A/C Alternative Name:	EC-155-B	Manufactured Year:	2004
Qualification Basis:	14 CFR Part 60 (2008), Appendix C	Manufacture Serial No:	46670 497/501
Qualification Level:	D	Sponsor's FSTD ID:	FFS1 / EC155B
FSTD Class:	Helo FFS	Evaluation Base Month:	Jun
FSTD Seats Available:	4	FSTD Convertible to:	

FSTD Configuration Information

FSTD Configuration (1):	EC-155-B
FSTD Configuration (2):	
FSTD Configuration (3):	

FSTD Engine Information

Pri. Engine Type / Thrust:	Turbomeca Arriel 2C1	FADEC Version:	407
Alt. Engine Type / Thrust:		FADEC Version:	
Alt. Engine Type / Thrust:		FADEC Version:	
Alt. Engine Type / Thrust:		FADEC Version:	

Flight Instrumentation & Systems

<input type="checkbox"/> NVG	<input checked="" type="checkbox"/> Other: EFIS
<input type="checkbox"/> CPDLC	<input type="checkbox"/> Other:
<input type="checkbox"/> EFB Class:	<input type="checkbox"/> Other:

Data Sources & Models

Flight Control Data: Model/Revision:	OTSG 086/2004
Aero Model: Source/Model/Revision:	Eurocopter HOST rev 1.3.9.2.L

Visual System

Image Generator Make/Model:	ThalesView Visual System		
Display Type:	Cross Ckpt, Collimated	Visual Projector Type:	LCoS/LED/DLP
Horizontal Field of View (degs):	200	Vertical Field of View (degs):	60

Avionics

Manufacturer	Thales		
Model	Meghas avionics		
Standard/Revision			

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Flight Management System			
Manufacturer:	Universal		
Model:	UNS1-F		
Type/Revision:			

Motion System	
Manufacturer:	TT&S M6X
Type:	Hydraulic
Axis:	6

Airport Qualification Models	
1: Airport / Runways / Taxiway:	LFML / ALL / ALL
2: Airport / Runways / Taxiway	
3: Airport / Runways / Taxiway	

Visual Ground Segment	
Airport / Landing RW	LFML 13L

Helicopter Non-Airport Landing Areas	
Elevated Surface:	North Hospital / Warf /
Confined Landing Area:	Jail / Drop Zone / Moving Frigate / Soccer Stadium in Marseille
Sloped Surface	LFML slopes

Other National Aviation Authority Qualifications (US-NAA BASA-SIPs Agreements Only)			
NAA Name:			
NAA FSTD ID No:			
NAA Qualification Level:			
NAA Qualification Basis:			

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Except for Non-Qualified items in section 4, 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. Specific use in conjunction with any training program must be approved by the FAA Training Program Approval Authority (TPAA).

Section 3a. Level 6 and Above FSTD Additional FSTD Qualified Maneuvers, Procedures, Tasks, and Functions (not stated in 14CFR Part 60 Appendix (A,B,C, or D) Attachment 1, Table 1B)			
Area/Function/Maneuver	Requested (Sponsor Use)	Qualified (FAA Use Only)	Remarks (Include Partial Task Limitations if Applicable)
CAT I (Minimums IAW sponsor/operator authorization)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CAT II (Minimums IAW sponsor/operator authorization)	<input type="checkbox"/>	<input type="checkbox"/>	
CAT III (Minimums IAW sponsor/operator authorization)	<input type="checkbox"/>	<input type="checkbox"/>	
Circling Approach	<input checked="" type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input checked="" 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	<input type="checkbox"/>	<input type="checkbox"/>	
Enhanced Taxi Markings	<input type="checkbox"/>	<input type="checkbox"/>	
RWSL / LAHSO	<input type="checkbox"/>	<input type="checkbox"/>	
LPV GPS WAAS <input type="checkbox"/> LPV <input checked="" type="checkbox"/> GPS <input type="checkbox"/> WAAS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Enroute only - no approaches
RNP/AR	<input type="checkbox"/>	<input type="checkbox"/>	
ADS-B <input type="checkbox"/> In	<input type="checkbox"/>	<input type="checkbox"/>	
Full Stall (14CFR Part 60 (2016)/FSTD Directive 2)	<input type="checkbox"/>	<input type="checkbox"/>	
UPRT (14CFR Part 60 (2016)/FSTD Directive 2)	<input type="checkbox"/>	<input type="checkbox"/>	
Icing (14CFR Part 60 (2016)/FSTD Directive 2)	<input type="checkbox"/>	<input type="checkbox"/>	
Realistic Gusting Crosswind (14CFR Part 60 (2016)/FSTD Directive 2)	<input type="checkbox"/>	<input type="checkbox"/>	
Bounced Landing (14CFR Part 60 (2016)/FSTD Directive 2)	<input type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	

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Section 3b. Level 6 and Above FSTD 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 (Include Partial Task Limitations if Applicable)
Helicopter Slope Landings	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	LFML
Helicopter External Load Operations	<input type="checkbox"/>	<input type="checkbox"/>	
Helicopter Pinnacle Approach to Landings	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ELEV-North Hospital
Helicopter Night Vision Maneuvers Class A <input type="checkbox"/> , Class B Lens <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Helicopter Category A Takeoffs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Other Off Airport Landing Sites: Moving Frigate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Other Soccer Stadium in Marseille	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Other	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

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**Section 3c. Level 4 & 5 FSTD 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 (Include Partial Task Limitations if Applicable)
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 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)
Mssed 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"/>	(Helicopter Only)
Normal and Abnormal Procedures			
Powerplant	<input type="checkbox"/>	<input type="checkbox"/>	
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"/>	
Inflight fire and smoke removal	<input type="checkbox"/>	<input type="checkbox"/>	
Rapid Decompression	<input type="checkbox"/>	<input type="checkbox"/>	
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"/>	
Abnormal/emergency procedures	<input type="checkbox"/>	<input type="checkbox"/>	
Other			
Other	<input type="checkbox"/>	<input type="checkbox"/>	

Other	<input type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	



**Federal Aviation
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FSTD Evaluation Report

Evaluation End Date:	6/14/2019 4:00:00 PM
FAA ID	1237
Make/Model/Series:	EC-155-B
Sponsor:	Airbus Helicopters Inc.
Location:	Aéroport International Marseille Provence FR, MARGNANE CEDEX 13725
Evaluating Inspector:	Kaasa, Laurin;
Evaluation Type:	Continuing
Qualification Level Authorized:	D

EVALUATION INFORMATION

FSTD Configuration(s) Evaluated EC-155-B		
Was This A BASA-SIP Evaluation? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO For Which Authority:		Outcome Status: Qualified Next Evaluation Date: 6/9/2021
Notes for next evaluation		

EVALUATION TEAM MEMBERS

FAA Representatives (Other than Evaluating Inspector)	Sponsor Representatives
	Neuhoff, Brian

COMMENTS / NOTES

IOS - Brochard

NON-QUALIFIED TASKS

Sponsor DR No.	NSP DR No.	Severity Level	Non-Qualified Task(s) / Discrepancy Description	Date Closed:	Corrective Action Taken:
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DISCREPANCIES

Sponsor DR No.	NSP DR No. No.	Severity Level	Discrepancy Description	Date Closed:	Corrective Action Taken: (For closeouts or extensions)
0	D1	0	Autopilot light inop	6/14/2019	Corrected on site
	D2	1	Inertial reel pilot side locking mechanism inop	6/14/2019	Close per SQMS
	D3	2	Compressor stall malfunction demonstration, when collective was lowered the FLI froze in takeoff range and both torques went to zero	6/14/2019	Close per SQMS
	D4	1	On autopilot control panel, IAS did not light upon engagement - but engagement occurred	6/14/2019	Close per SQMS

RECOMMENDATIONS for SPONSOR

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Terms and Definitions:

Evaluation Types

TYPE	CODE	REFERENCE	COMMENTS
Initial	I	Part 60.15	Initial evaluation for new simulator
Continuing	C	Part 60.19	Recurrent evaluation – usually every 12 months
Upgrade	U	QPS (11)	Changing simulator qualification from lower to higher level (ILC to Level D)
Special-Focus	SF	QPS (10b,11q)	Evaluation at the discretion of the NSPM to cover safety concerns (NTSB recommendation or problem are for example)
Special-Restore	SR	Part 60.27	Includes Move, Non-Use, Loss of Continuing Qualification, Missing QTG
Special-Surveillance	SS	QPS (11q)	Like SF, used to gather additional data on simulator and sponsor
Special-Update	SU	Part 60.16	Modifications
Special-Other	SO		Other – not mentioned above

Evaluation Information

FSTD Configuration

Indicate the FSTD configuration evaluated where variable FSTD configurations exist under one FAA ID number (i.e. engine types, propeller type)

T001

This is commonly referred to as the Statement of Qualification (SOQ). Check “Yes” if a new SOQ was issued. For most continuing and initial

T001A

This is sometimes referred to as the Configuration List. Check “Yes” if the T001A has been changed from the previous official version.

BASA-SIP

Bilateral Aviation Safety Agreement – Simulator Implementation Procedures. Check “Yes” if the evaluation you are performing will be sent to a
There are only two current agreements: UK CAA and Transport Canada.

Sponsor Feedback

Sponsors are encouraged to leave [Feedback](#) Feedback for the NSPM concerning this evaluation or other matters. Select the Feedback link on this