

# 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.

<b>Sponsor</b>	
<b>FAA ID</b>	
<b>Aircraft Designation</b>	
<b>Qualification Document</b>	
<b>Qualification Level</b>	
<b>Expiration Date</b>	

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.

FSTD INFORMATION & CONFIGURATION

Sponsor Name:	Airbus Helicopters Inc.
Designator:	VY1X
FAA ID:	1791
Make/Model/Series:	MBB-BK117-D2
Evaluation Interval:	12

Section 1. Sponsor | FSTD Location | Contact Information

FSTD Location

Training FacilityName:	Airbus Helicopters Training Center
Address:	2701 N FORUM DR
City:	GRAND PRAIRIE
State/Prov/Terr:	TX
Country:	USA
ZIP:	75052

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:	Miller, Todd		
Address:	8700 Freeport Pkwy, Suite 200B		
City:	IRVING		
State/Prov/Terr:	TX	Office:	
Country:	USA	Cell:	3372780262
ZIP:	75063	Email:	todd.miller@faa.gov

Sponsor FSTD Management Representative

Name:	Potter, Brian		
Address:	2701 N. Forum Dr		
City:	GRAND PRAIRIE		
State/Prov/Terr:	TX	Office:	972-522-5307
Country:	USA	Cell:	786-972-4411
ZIP:	75052	Email:	Brian.Potter@airbus.com

Sponsor FSTD Local Contact

Name:	Umphress, Charles		
Address:	2701 North Forum Drive		
City:	GRAND PRAIRIE		
State/Prov/Terr:	TX	Office:	972-641-5021
Country:	USA	Cell:	
ZIP:	75052	Email:	charles.umphress@airbus.com

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Section 2. FSTD Information

A/C Common Name:	BOLKMS MBB-BK117	Manufacturer Name:	Thales
A/C Alternative Name:	Airbus H145 (MBB-BK 117-D2)	Manufactured Year:	2021
Qualification Basis:	14 CFR Part 60 (2016), Appendix C	Manufacture Serial No:	56275329AA00-00
Qualification Level:	D	Sponsor's FSTD ID:	H145 #1
FSTD Class:	Helo FFS	Evaluation Base Month:	May
FSTD Seats Available:	5	FSTD Convertible to:	

FSTD Configuration Information

FSTD Configuration (1):	MBB-BK117-D2
FSTD Configuration (2):	
FSTD Configuration (3):	
FSTD Configuration (4):	
FSTD Configuration (5):	

FSTD Engine Information

Pri. Engine Type / Thrust:	Safran Arriel 2E, 2 x 687 KW	FADEC Version:	V502
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:	Thales 56 276 465 - 122
Aero Model: Source/Model/Revision:	Airbus TN D032M0703E02-F

Visual System

Image Generator Make/Model:	Thales View		
Display Type:	Direct, Non-Collimated	Visual Projector Type:	Projection
Horizontal Field of View (degs):	210	Vertical Field of View (degs):	80

Avionics

Manufacturer	Elbit		
Model	Helionix		
Standard/Revision	Step 2 MR1, AMC V6.0R6.1.B		

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Flight Management System

Manufacturer:	Garmin		
Model:	2xGTN 750		
Type/Revision:	6.41.0 FS		

Motion System

Manufacturer:	Thales
Type:	Electric
Axis:	6

Airport Qualification Models

1: Airport / Runways / Taxiway:	KCRP / ALL / ALL
2: Airport / Runways / Taxiway:	
3: Airport / Runways / Taxiway:	

Visual Ground Segment

Airport / Landing RW	KCRP RWY 36
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Helicopter Non-Airport Landing Areas

Elevated Surface:	Corpus Christi Hospital (SPOHN)
Confined Landing Area:	Mobile Accident Scene
Sloped Surface	Calibrated 8°/10°/12° KCRP

Other National Aviation Authority Qualifications (US-NAA BASA-SIPs Agreements Only)

NAA Name:	TC		
NAA FSTD ID No:	1001		
NAA Qualification Level:	D		
NAA Qualification Basis:	14CFR Part 60 (2016)		

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Except for Non-Qualified items, 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
WX-Radar	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
HUD / HGS	<input type="checkbox"/>	<input type="checkbox"/>	
EFVS / SVS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
TAWS (GPWS / EGPWS)	<input checked="" type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/> LPV <input checked="" type="checkbox"/> GPS <input checked="" type="checkbox"/> WAAS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
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"/>	
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 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 Hoist	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Other Emergency Float System	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Other Ship Landing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Other OSAP Approach	<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)
<b>Preflight Procedures</b>			
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"/>	
<b>In-Flight Maneuvers</b>			
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"/>	
<b>Instrument Procedures</b>			
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)
<b>Landings and Approaches to Landings</b>			
Visual Approaches (normal, steep, shallow) with visual system	<input type="checkbox"/>	<input type="checkbox"/>	(Helicopter Only)
<b>Normal and Abnormal Procedures</b>			
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"/>	
<b>Emergency Procedures</b>			
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"/>	
<b>Post flight Procedures</b>			
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"/>	
<b>Other</b>			
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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Narrative

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