

# 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.

Federal Aviation Administration  
National Simulator Program

FSTD INFORMATION & CONFIGURATION

Sponsor Name:	Boeing
Designator:	F7NX
FAA ID:	1187
Make/Model/Series:	B-787-9
Evaluation Interval:	36

Section 1. Sponsor | FSTD Location | Contact Information

FSTD Location

Training FacilityName:	Boeing Mami
Address:	6601 NW 36TH ST
City:	VIRGINIA GARDENS
StateProv/Terr:	FL
Country:	USA
ZIP:	33166

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

Name:	Keane, Michael		
Address:	2895 SW 145th Avenue		
City:	MIRAMAR		
StateProv/Terr:	FL	Office:	(954) 641-6629
Country:	USA	Cell:	
ZIP:	33027	Email:	michael.keane@faa.gov

FAA Alternate POC (APM, FTPM, if applicable)

Name:	Keane, Michael		
Address:	2895 SW 145th Avenue		
City:	MIRAMAR		
StateProv/Terr:	FL	Office:	(954) 641-6629
Country:	USA	Cell:	
ZIP:	33027	Email:	michael.keane@faa.gov

Sponsor FSTD Management Representative

Name:	Gillbard, Andrew		
Address:	Boeing House		
City:	CRAWLEY		
StateProv/Terr:	UK	Office:	+44 (0) 1293 819029
Country:	GBR	Cell:	+44 (0) 7899 968306
ZIP:	RH109AD	Email:	Andrew.b.gillbard@boeing.com

Sponsor FSTD Local Contact

Name:	Morera, Ana		
Address:	6601 NW 36th ST		
City:	VIRGINIA GARDENS		
StateProv/Terr:	FL	Office:	321-225-3455
Country:	USA	Cell:	(305) 215-7995
ZIP:	33166	Email:	ana.a.morera@boeing.com

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Section 2. FSTD Information

A/C Common Name:	BOEING B-787	Manufacturer Name:	L3
A/C Alternative Name:	B-787-9	Manufactured Year:	2010
Qualification Basis:	14 CFR Part 60 (2016), Appendix B	Manufacture Serial No:	T4566
Qualification Level:	5	Sponsor's FSTD ID:	B787-9-L-05-FTD
FSTD Class:	Airplane FTD	Evaluation Base Month:	Feb
FSTD Seats Available:	6	FSTD Convertible to:	

FSTD Configuration Information

FSTD Configuration (1):	B-787-9
FSTD Configuration (2):	
FSTD Configuration (3):	
FSTD Configuration (4):	
FSTD Configuration (5):	

FSTD Engine Information

Pri. Engine Type / Thrust:	RR / 74K	FADEC Version:	
Alt. Engine Type / Thrust:	GE / 74K	FADEC Version:	
Alt. Engine Type / Thrust:		FADEC Version:	
Alt. Engine Type / Thrust:		FADEC Version:	

Flight Instrumentation & Systems

<input type="checkbox"/> NVG	<input type="checkbox"/> Other:
<input checked="" type="checkbox"/> CPDLC	<input type="checkbox"/> Other:
<input checked="" type="checkbox"/> EFB Class: CLASS 3	<input type="checkbox"/> Other:

Data Sources & Models

Flight Control Data: Model/Revision:	FCE SC8.4 REV.5
Aero Model: Source/Model/Revision:	D611Z015-02 Rev A

Visual System

Image Generator Make/Model:	Rockwell Collins EP80		
Display Type:	Mono View, Collimated	Visual Projector Type:	LCD
Horizontal Field of View(degs):	0	Vertical Field of View(degs):	0

Avionics

Manufacturer			
Model	787 CCS		
Standard/Revision	BP 10.3B/DCACBP4		

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Flight Management System

Manufacturer:			
Model:	HNP5E-AL11-5011		
Type/Revision:	BP4 (part of CCS)		

Motion System

Manufacturer:	
Type:	NA
Axis:	0

Airport Qualification Models

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

Visual Ground Segment

Airport / Landing RW	
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Helicopter Non-Airport Landing Areas

Elevated Surface:	
Confined Landing Area:	
Sloped Surface	

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

NAA Name:	TC		
NAA FSTD ID No:	754		
NAA Qualification Level:	5		
NAA Qualification Basis:	TP9685 Rev 2-CS FSTD (A)		

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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 type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	
Windshear Training	<input type="checkbox"/>	<input type="checkbox"/>	
Auto-Coupled Approach	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	
HUD / HGS	<input type="checkbox"/>	<input type="checkbox"/>	
EFVS / SVS	<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 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 (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 type="checkbox"/>	<input type="checkbox"/>	
Helicopter External Load Operations	<input type="checkbox"/>	<input type="checkbox"/>	
Helicopter Pinnacle Approach to Landings	<input type="checkbox"/>	<input 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 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 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Engine Start	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Pre-takeoff Checks.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>In-Flight Maneuvers</b>			
Approach to Stalls	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(Level 5 Only)
Engine Failure (procedures only)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(Level 5 Only)
Specific Flight Characteristics incorporated into user's approved flight training program	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Instrument Procedures</b>			
Standard Terminal Arrival / Flight Management System Arrival	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(Level 5 Only)
Holding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(Level 5 Only)
Precision Instrument, all engines operating	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(Level 5 Only)
Non-Precision Instrument, all engines operating	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(Level 5 Only)
Missed Approach	<input checked="" type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Fuel System	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Electrical System	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Environmental and Pressurization Systems	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Fire Detection and Extinguisher Systems	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Navigation and Avionics Systems	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Automatic Flight Control System, Electronic Flight Instrument System, and Related Subsystems.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Flight Control Systems	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Anti-ice and Deice Systems	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Aircraft and Personal Emergency Equipment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Emergency Procedures</b>			
Emergency Descent (Max Rate)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(Level 5 Only)
Inflight fire and smoke removal	<input type="checkbox"/>	<input type="checkbox"/>	(Level 5 Only)
Rapid Decompression	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(Level 5 Only)
Emergency Evacuation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Post flight Procedures</b>			
After-Landing Procedures	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Rotor brake operation.	<input type="checkbox"/>	<input type="checkbox"/>	(Helicopter Only)
Abnormal/emergency procedures	<input checked="" type="checkbox"/>	<input checked="" 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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