

# 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.

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FSTD INFORMATION & CONFIGURATION

<b>Sponsor Name:</b>	Boeing
<b>Designator:</b>	F7NX
<b>FAA ID:</b>	1682
<b>Make/Model/Series:</b>	B-737-8
<b>Evaluation Interval:</b>	24

Section 1. Sponsor   FSTD Location   Contact Information			
FSTD Location			
Training Facility Name:	Boeing Miami		
Address:	6601 NW 36TH ST		
City:	Virginia Gardens		
State/Prov/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		
State/Prov/Terr:	FL	Office:	(954) 641-6629
Country:	USA	Cell:	
ZIP:	33027	Email:	michael.keane@faa.gov
FAA Alternate POC (APM, FTPM, if applicable)			
Name:	Snider, Dale		
Address:	2895 SW 145th Avenue,		
City:	Hollywood		
State/Prov/Terr:	FL	Office:	(954) 641 6656
Country:	USA	Cell:	(317) 691 3663
ZIP:	33027	Email:	dale.k.snider@faa.gov
Sponsor FSTD Management Representative			
Name:	Gillbard, Andrew		
Address:	Boeing House		
City:	Crawley		
State/Prov/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:	Quintero, Adrian		
Address:	6601 NW 36th ST		
City:	Virginia Gardens		
State/Prov/Terr:	FL	Office:	786-265-4920

<b>Country:</b>	USA	<b>Cell:</b>	(305) 903-3415
<b>ZIP:</b>	33166	<b>Email:</b>	Adrian.a.quintero@boeing.com

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Section 2. FSTD Information			
<b>A/C Common Name:</b>	BOEING B-737	<b>Manufacturer Name:</b>	TRU Simulation + Training
<b>A/C Alternative Name:</b>	B-737-MAX-8	<b>Manufactured Year:</b>	2019
<b>Qualification Basis:</b>	14 CFR Part 60 (2016), Appendix A	<b>Manufacture Serial No:</b>	00002665
<b>Qualification Level:</b>	D	<b>Sponsor's FSTD ID:</b>	B737-MAX-8-M-07
<b>FSTD Class:</b>	Airplane FFS	<b>Evaluation Base Month:</b>	Dec
<b>FSTD Seats Available:</b>	6	<b>FSTD Convertible to:</b>	
FSTD Configuration Information			
<b>FSTD Configuration (1):</b>	B-737-8		
<b>FSTD Configuration (2):</b>	FCC 12.1.2		
<b>FSTD Configuration (3):</b>			
<b>FSTD Configuration (4):</b>			
<b>FSTD Configuration (5):</b>			
FSTD Engine Information			
<b>Pri. Engine Type / Thrust:</b>	LEAP 1B/28K	<b>FADEC Version:</b>	EEC 6.73 (PROP_365)
<b>Alt. Engine Type / Thrust:</b>	LEAP 1B/27K	<b>FADEC Version:</b>	EEC 6.73 (PROP_365)
<b>Alt. Engine Type / Thrust:</b>	LEAP 1B/25K	<b>FADEC Version:</b>	EEC 6.73 (PROP_365)
<b>Alt. Engine Type / Thrust:</b>	LEAP 1B/28K B1	<b>FADEC Version:</b>	EEC 6.73 (PROP_365)
Flight Instrumentation & Systems			
<input type="checkbox"/> NVG		<input type="checkbox"/> Other:	
<input checked="" type="checkbox"/> CPDLC		<input type="checkbox"/> Other:	
<input type="checkbox"/> EFB Class:		<input type="checkbox"/> Other:	
Data Sources & Models			
<b>Flight Control Data: Model/Revision:</b>	Model R23_83_2		
<b>Aero Model: Source/Model/Revision:</b>	Model 378033		
Visual System			
<b>Image Generator Make/Model:</b>	Rockwell Collins EP8100		
<b>Display Type:</b>	Cross Ckpt, Collimated	<b>Visual Projector Type:</b>	Laser
<b>Horizontal Field of View</b>	200	<b>Vertical Field of View</b>	40

(degs):			(degs):	
Avionics				
Manufacturer	Rockwell Collins			
Model	MAX Display System			
Standard/Revision	BP 1.5.1			

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Flight Management System

<b>Manufacturer:</b>	GE Smiths		
<b>Model:</b>	Rehost U14.1		
<b>Type/Revision:</b>			

Motion System

<b>Manufacturer:</b>	Moog
<b>Type:</b>	Electric
<b>Axis:</b>	6

Airport Qualification Models

<b>1: Airport / Runways / Taxiway:</b>	KSEA/ALL
<b>2: Airport / Runways / Taxiway</b>	KPDX/ALL
<b>3: Airport / Runways / Taxiway</b>	KJFK/ALL

Visual Ground Segment

<b>Airport / Landing RW</b>	KPDX/10R
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Helicopter Non-Airport Landing Areas

<b>Elevated Surface:</b>	
<b>Confined Landing Area:</b>	
<b>Sloped Surface</b>	

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

<b>NAA Name:</b>	TC		
<b>NAA FSTD ID No:</b>	944		
<b>NAA Qualification Level:</b>	D		
<b>NAA Qualification Basis:</b>	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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CAT II (Minimums IAW sponsor/operator authorization)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CAT III (Minimums IAW sponsor/operator authorization)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Circling Approach	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Windshear Training	<input checked="" type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Roll-Out Guidance with CAT IIIB customer option selected only
TCAS/ACAS I / II 7.1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
WX-Radar	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
HUD / HGS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
EFVS / SVS	<input type="checkbox"/>	<input type="checkbox"/>	
TAWS (GPWS / EGPWS)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
SMGCS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Enhanced Taxi Markings	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
RWSL / LAHSO	<input checked="" type="checkbox"/>	<input checked="" 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"/>	
RNP/AR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
ADS-B <input type="checkbox"/> In	<input type="checkbox"/>	<input type="checkbox"/>	
Full Stall (14CFR Part 60 (2016)/FSTD Directive 2)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
UPRT (14CFR Part 60 (2016)/FSTD Directive 2)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Icing (14CFR Part 60 (2016)/FSTD Directive 2)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Realistic Gusting Crosswind (14CFR Part 60 (2016)/FSTD Directive 2)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Bounced Landing (14CFR Part 60 (2016)/FSTD Directive 2)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Must be verbally initiated by Instructor or Checking authority

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)
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)
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"/>	(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"/>	(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"/>	
Other			
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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