

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: Atlas Air, Inc
Location: Miami
Aircraft Type: B-747-200
FAA Identification Number: 816
Qualification Basis: 120-40B
Qualification Level: C

Issued by the National Simulator Program
on February 14, 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 May 31, 2020.

Federal Aviation Administration National Simulator Program FSTD Information Form	Sponsor:	Atlas Air, Inc.
	FSTD ID:	816
	Aircraft Type:	B-747-200F

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

Sponsor Submission Date: 01/30/2017			
Section 1. FSTD Sponsor Information			
Sponsor Name:	Atlas Air, Inc.	FSTD Location:	
Address:	P.O. Box 669002	Physical Address:	5600 N.W. 36 th Street
City:	Miami Springs	City:	Miami
State/Prov/Terr:	FL	State:	FL
Country:	USA	Country:	USA
ZIP:	33266	ZIP:	33166
Sponsor ID No: (FAA Certificate Number)	UIEA	Nearest Airport: (Apt Code)	KMIA
Local FAA Authority: FAA Training Program Approval Authority: (TPAA)			
Name:	Paul Dolza		
Address:	4358 Ferguson Drive	Office Phone	513-842-9681
City:	Cincinnati	Cell:	248-390-8829
State:	OH	Fax:	516-228-8827
ZIP:	45245	Email:	Paul.B.Dolza@faa.gov
FAA Alternate POC (APM, FTPM, if required)			
Name:			
Address :			
City/State:			
State:			
ZIP:			
FSTD Management Representative::			
Name:	Randy Schwellinger		
Address 1:	P.O. Box 669002	Office Phone	786-265-5993
City/State:	Miami Springs	Cell:	786-402-3995
State:	FL	Fax:	786-265-7687
ZIP:	33266	Email:	Randy.schwellinger@atlasair.com
FSTD Contact:			
Name:	Deanne Stone		
Address 1:	P.O. Box 669002	Office Phone	786-265-2710
City/State:	Miami Springs	Cell:	
State:	FL	Fax:	786-265-8175
ZIP:	33266	Email:	Dee.stone@atlasair.com

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Section 2. FSTD Information

Aircraft make/model/series:	Boeing 747-200F	A/C Common Name:	747-Classic
Qualification Basis:	AC120-40B	Manufacture Serial No.:	2D7B
Qualification Level:	C	Sponsor's FSTD ID:	747-200#2
Base Month: February	<input checked="" type="checkbox"/> Full Flight Simulator (FFS) <input type="checkbox"/> Flight Training Device (FTD)		

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

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

Technical Information:

FAA FSTD ID No: 816 (If Applicable)	Convertible FSTD: <input type="checkbox"/> Yes	FSTD Manufacturer:	Limk Miles
<input type="checkbox"/> eMQTG	Conv. FAA FSTD ID No.	Date of Manufacture:	1981

FSTD Configurations:	
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Pri. Engine Type/Thrust:	CF6-50E2/ 62,100	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 type="checkbox"/> WX Radar <input type="checkbox"/> NVG <input type="checkbox"/> GPS <input checked="" type="checkbox"/> GPWS <input type="checkbox"/> FMS <input checked="" type="checkbox"/> TCAS Ver: 7 <input type="checkbox"/> CPDLC <input type="checkbox"/> EFB Class: <input type="checkbox"/> Other:
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FSTD seats available: #	5	Ft. control data revision:	D6-36153, Revision A
FSTD host computer:	Encore 2040	Aero model/data:	Boeing D6-36157 Initial
Visual image generator:	RSI Raster XT	Avionics Type/Suite:	Sperry FD109
Visual system display:	3 Channel Zero Gap	Avionics Std/Rev:	
Visual projector:	4 Window CRT	FMS:	Litton 92
		Motion system:	Link Miles/Hydraulic/6DOF

Airport Qualification Models If illustrations or other presentations are attached please specify:

Airport Qualification Model 1 / Available In-Use Runways /Taxiway:	KJFK / ALL / ALL		
Airport Qualification Model 2 / Available In-Use Runways /Taxiway:	KSFO / ALL / ALL		
Airport Qualification Model 3 / Available In-Use Runways / Taxiway:	KMIA / ALL / ALL		
Visual Ground Segment:	KJFK Airport Designator	4R 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): Carter

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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CAT III: (lowest minimum evaluated) CATIIIb \geq 150 RVR,	<input type="checkbox"/>	<input type="checkbox"/>	
Circling Approach : KJFK/4R/31R	<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 type="checkbox"/>	<input type="checkbox"/>	
Auto-land / Roll Out Guidance	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	No roll out guidance
TCAS/ACAS I / II	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
WX-Radar	<input type="checkbox"/>	<input type="checkbox"/>	
HUD / HGS	<input type="checkbox"/>	<input type="checkbox"/>	
EFVS	<input type="checkbox"/>	<input type="checkbox"/>	
TAWS (GPWS / EGPWS)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
SMGCS: KSEA/16L, <600, mono	<input type="checkbox"/>	<input type="checkbox"/>	
Enhanced Taxi Markings: KJFK/ALL	<input checked="" type="checkbox"/>	<input checked="" 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 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 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 type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input 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"/>	
Fuel System.	<input type="checkbox"/>	<input type="checkbox"/>	

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Area/Function/Maneuver	Requested (Sponsor Use)	Qualified (FAA Use Only)	Remarks (Including Partial Task Limitations)
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"/>	

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. FSTD is not qualified for tasks requiring aircraft icing. No aerodynamic icing effects occurred when icing selected on IOS.	
2.	
3.	
4.	
5.	
6.	

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