

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: Kalitta Air, LLC

Location: Ypsilanti

Aircraft Type: B-747-400

FAA Identification Number: 1277

Qualification Basis: 14 CFR Part 60 Change 1, Appendix B

Qualification Level: 5

Issued by the National Simulator Program
on September 15, 2015.

A handwritten signature in black ink that reads "Harvey E. Gay".

Harvey E. Gay
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 October 30, 2016.

Federal Aviation Administration National Simulator Program Statement of Qualification	Sponsor: Kalitta Air, LLC. FSTD ID: 1277 Aircraft Type: B747-400
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Sponsor Submission Date: 09/15/15		Submissions to: 9-ASO-AFS205-NSP-SIMULATOR-SCHEDULING@faa.gov	
Section 1. FSTD Sponsor Information			
Sponsor Name:	Kalitta Air, LLC	FSTD Location:	
Address:	818 Willow Run Airport	Physical Address:	832 Willow Run Airport
City:	Ypsilanti	City:	Ypsilanti
State/Prov/Terr:	Michigan	State:	MI
Country:	United States	Country:	United States
ZIP:	48198	ZIP:	48198
Sponsor ID No: (FAA Certificate Number)	KCSA712A	Nearest Airport: (Apt Code)	KYIP
Local FAA Authority: FAA Training Program Approval Authority: (TPAA)			
Name:	Robert Keegan AGL-FSDO-23 (DTW)		
Address:	8800 Beck Road	Office Phone	734-487-7462
City:	Belleville	Cell:	
State:	MI	Fax:	734-487-7221
ZIP:	48111	Email:	Robert.y.keegan@faa.gov
FAA Alternate POC (APM, FTPM, if required)			
Name:	Todd Mountain		
Address :	8800 Beck Road	Office Phone	734-487-7259
City/State:	Belleville, MI	Cell:	
State:	MI	Fax:	734-487-7221
ZIP:	48111	Email:	Todd.l.mountain@faa.gov
FSTD Management Representative::			
Name:	Jeff Phelps		
Address 1:	818 Willow Run Airport	Office Phone	734-484-7158
City/State:	Ypsilanti, MI	Cell:	713-410-6471
State:	MI	Fax:	734-544-7042
ZIP:	48198	Email:	jphelps@kalittaair.com
FSTD Contact:			
Name:	Jeff Phelps		
Address 1:	818 Willow Run Airport	Office Phone	734-484-7158
City/State:	Ypsilanti, MI	Cell:	713-410-6471
State:	MI	Fax:	734-544-7042
ZIP:	48198	Email:	jphelps@kalittaair.com

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Section 2. FSTD Information			
Aircraft make/model/series:	Boeing / B747-400	A/C Common Name:	747-400
Qualification Basis:	Part 60 Change1 Level 5	Manufacture Serial No.:	020
Base Month:	<input type="checkbox"/> Full Flight Simulator (FFS) <input checked="" type="checkbox"/> Flight Training Device (FTD)	Sponsor's FSTD ID:	N1277CK
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: 1277 (If Applicable)	Convertible FSTD: <input type="checkbox"/> Yes	FSTD Manufacturer:	CAE
<input checked="" type="checkbox"/> eMQTG	Conv. FAA FSTD ID No.	Date of Manufacture:	1989
FSTD Configurations:			
Pri. Engine Type/Thrust:	CF6-80C2-B1F / 58,090	FADEC Version	1519M89P30
Alt. Engine Type/Thrust:	/		
Alt. Engine Type/Thrust:	/		
Alt. Engine Type/Thrust:	/		
Flight Instrumentation/Systems:	<input checked="" type="checkbox"/> EFIS <input type="checkbox"/> HUD/HGS <input type="checkbox"/> EVS <input checked="" type="checkbox"/> WX Radar <input type="checkbox"/> NVG <input checked="" type="checkbox"/> GPS <input checked="" type="checkbox"/> GPWS <input checked="" type="checkbox"/> FMS <input checked="" type="checkbox"/> TCAS Ver: 7 <input checked="" type="checkbox"/> CPDLC <input checked="" type="checkbox"/> EFB Class: 2 <input checked="" type="checkbox"/> Other: NASI Pack Flow Control System		
FSTD seats available: 6	Ft. control data revision: D611U316/ Rev. G		
FSTD host computer: PC	Aero model/data: Boeing / D611U309 / Rev. G		
Visual image generator: N/A	Avionics Type/Suite:		
Visual system display: N/A	Avionics Std/Rev:		
Visual projector: N/A	FMS: 4052508-952 & 4052508-960		
	Motion system: N/A		
Airport Qualification Models If illustrations or other presentations are attached please specify: <input type="checkbox"/>			
Airport Qualification Model 1 / Available In-Use Runways /Taxiway:	/ /		
Airport Qualification Model 2 / Available In-Use Runways /Taxiway:	/ /		
Airport Qualification Model 3 / Available In-Use Runways / Taxiway:	/ /		
Visual Ground Segment:	Airport Designator	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):

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"/>	Procedures
CAT II: (RVR 1200 ft. DH 100 ft)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Procedures
CAT III: (lowest minimum evaluated) N/A RVR, DH N/A ft.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Procedures
Circling Approach : Arpt/Appr/Ldg RW	<input type="checkbox"/>	<input type="checkbox"/>	
Windshear Training:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Procedures
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"/>	Procedures only
TCAS/ACAS I / II	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TCAS II
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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EGPWS
SMGCS: Arpt/Taxi Route, Visibility, mono/bidirectional	<input type="checkbox"/>	<input type="checkbox"/>	
Enhanced Taxi Markings: Arpt/Taxi Route	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> LPV <input checked="" type="checkbox"/> GPS <input 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"/>	
EVAS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
EFB	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	iPad with JeppFD
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<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 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"/>	
In-flight Maneuvers			
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 the user's approved flight training program	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Instrument Procedures			
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
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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Fuel System.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

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Area/Function/Maneuver	Requested (Sponsor Use)	Qualified (FAA Use Only)	Remarks (Including Partial Task Limitations)
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"/>	
Emergency Procedures			
Emergency Descent (Max Rate)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Level 5 Only
Inflight fire and smoke removal	<input checked="" type="checkbox"/>	<input checked="" 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"/>	
Post flight Procedures.			
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"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	

Section 4. Non Qualified Tasks	
<p>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.</p>	
<p>Maneuvers, Procedures, Tasks, and Functions for which this FSTD is <u>NOT</u> Qualified</p>	
Area/Function/Maneuver	Remarks
1.	
2.	
3.	
4.	
5.	
6.	