

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: 1234

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

Qualification Level: C

Issued by the National Simulator Program
on June 13, 2017.

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 July 31, 2018.

Federal Aviation Administration National Simulator Program Statement of Qualification	Sponsor: Kalitta Air LLC. FSTD ID: 1234 Aircraft Type: B747-400
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Sponsor Submission Date: 06/13/2017		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:	MI	State:	MI
Country:	United States	Country:	Unites 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:	David Milne 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:	David.A.Milne@faa.gov
FAA Alternate POC (APM, FTPM, if required)			
Name:	Todd Mountain		
Address :	8800 Beck Road	Office Phone	734-487-7259
City/State:	Belleville	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	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	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:	14 CFR 60 Appendix A Level C	Manufacture Serial No.:	018
Base Month: June	<input checked="" type="checkbox"/> Full Flight Simulator (FFS) <input type="checkbox"/> Flight Training Device (FTD)	Sponsor's FSTD ID:	N1234CK
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: 1234 (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 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: Linux PC		Aero model/data:	Boeing / D611U309 Rev. G
Visual image generator: RSI Raster XT		Avionics Type/Suite:	Honeywell
Visual system display: Cross cockpit / 180 x 40		Avionics Std/Rev:	Original
Visual projector: 3 / Christie DLP/LED		FMS:	4052508-952 & 4052508-960
		Motion system:	CAE / 500 / 6
Airport Qualification Models If illustrations or other presentations are attached please specify: <input type="checkbox"/>			
Airport Qualification Model 1 / Available In-Use Runways /Taxiway:	KLAX 25L. From parking at ICC taxi straight out on A1, left turn onto A, right turn onto F to hold short of 25L full length; After landing on 25L, left turn onto T, left turn onto A, right turn onto A1 into parking.		
Airport Qualification Model 2 / Available In-Use Runways /Taxiway:	KJFK 4R/31R/13L. From parking taxi straight out on SA, left turn onto B, left turn onto U to 13L full length; After landing on 13L right turn onto YA, left turn onto Y, right turn onto F, cross runway 22R on F, right turn onto B, right turn onto SA into parking.		
Airport Qualification Model 3 / Available In-Use Runways / Taxiway:	KSFO 28R. From parking at UAL maintenance hanger taxi straight out on K, left turn onto C, cross runways 19R and 19L on C, to hold short of 28R full length; After landing on 28R taxi right onto R, right turn onto C, left turn onto K into parking.		
Visual Ground Segment:	KSFO Airport Designator	28R 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): Kaasa

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) 300 RVR, AH 100 ft.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Circling Approach : KJFK/RNAV Y/4R to 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Auto-land / Roll Out Guidance	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
TCAS/ACAS I / II	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TCAS II Version 7.0
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: KLAX/ ICC ramp out on A1, left A, right G, cross 25L/25R, right B to hold short 25R, RVR 1200-600; Land 25L, twy T, A, A-1, ICC ramp; Bi-directional.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Enhanced Taxi Markings: KSFO/ From parking at UAL maintenance hanger taxi straight out on K, left turn onto C, cross runways 19R and 19L on C, to hold short of 28R full length.	<input checked="" type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4052508-960 NG FMC Only
ADS-B <input type="checkbox"/> In	<input type="checkbox"/>	<input type="checkbox"/>	
Full Stall	<input type="checkbox"/>	<input type="checkbox"/>	
UPRT	<input type="checkbox"/>	<input type="checkbox"/>	
Icing	<input type="checkbox"/>	<input type="checkbox"/>	
Realistic Gusting Crosswind	<input type="checkbox"/>	<input type="checkbox"/>	
Bounced Landing	<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	
<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.	