

# 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-747-200  
**FAA Identification Number:** 941  
**Qualification Basis:** 120-40B  
**Qualification Level:** C

Issued by the National Simulator Program  
on December 13, 2016.

A handwritten signature in black ink that reads "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 January 31, 2018.

<b>Federal Aviation Administration National Simulator Program Statement of Qualification</b>	<b>Sponsor: Kalitta Air, LLC. FSTD ID: 941 Aircraft Type: B747-200/300</b>
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Sponsor Submission Date: 12/13/2016		Submissions to: <a href="mailto:9-ASO-AFS205-NSP-SIMULATOR-SCHEDULING@faa.gov">9-ASO-AFS205-NSP-SIMULATOR-SCHEDULING@faa.gov</a>	
<b>Section 1. FSTD Sponsor Information</b>			
<b>Sponsor Name:</b>	Kalitta Air, LLC.	<b>FSTD Location:</b>	Ypsilanti, MI
<b>Address:</b>	818 Willow Run Airport (Tyler Road)	<b>Physical Address:</b>	832 Willow Run Airport (Tyler Road)
<b>City:</b>	Ypsilanti	<b>City:</b>	Ypsilanti
<b>State/Prov/Terr:</b>	MI	<b>State:</b>	MI
<b>Country:</b>	United States	<b>Country:</b>	United States
<b>ZIP:</b>	48198	<b>ZIP:</b>	48198
<b>Sponsor ID No:</b> (FAA Certificate Number)	KCSA712A	<b>Nearest Airport:</b> (Apt Code)	KYIP
<b>Local FAA Authority: FAA Training Program Approval Authority: (TPAA)</b>			
<b>Name:</b>	Robert Keegan		
<b>Address:</b>	AGL-FSDO-23 (DTW) Detroit Flight Standards District Office Willow Run Airport - East Side 8800 Beck Road	<b>Office Phone</b>	734-487-7462
<b>City:</b>	Belleville	<b>Cell:</b>	
<b>State:</b>	MI	<b>Fax:</b>	734-487-7221
<b>ZIP:</b>	48111	<b>Email:</b>	robert.y.keegan@faa.gov
<b>FAA Alternate POC (APM, FTPM, if required)</b>			
<b>Name:</b>	Todd Mountain		
<b>Address :</b>	AGL-FSDO-23 (DTW) Detroit Flight Standards District Office Willow Run Airport - East Side 8800 Beck Road	<b>Office Phone</b>	734- 487-7259
<b>City/State:</b>	Belleville	<b>Cell:</b>	
<b>State:</b>	MI	<b>Fax:</b>	734-487-7221
<b>ZIP:</b>	48111	<b>Email:</b>	todd.l.mountain@faa.gov
<b>FSTD Management Representative::</b>			
<b>Name:</b>	Jeff Phelps		
<b>Address 1:</b>	818 Willow Run Airport	<b>Office Phone</b>	734-484-7158
<b>City/State:</b>	Ypsilanti	<b>Cell:</b>	713-410-6471
<b>State:</b>	MI	<b>Fax:</b>	734-544-7042
<b>ZIP:</b>	48198	<b>Email:</b>	jphelps@kalittaair.com
<b>FSTD Contact:</b>			
<b>Name:</b>	Jeff Phelps		
<b>Address 1:</b>	818 Willow Run Airport	<b>Office Phone</b>	734-484-7158
<b>City/State:</b>	Ypsilanti	<b>Cell:</b>	713-410-6471
<b>State:</b>	MI	<b>Fax:</b>	734-544-7042
<b>ZIP:</b>	48198	<b>Email:</b>	jphelps@kalittaair.com

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Section 2. FSTD Information			
Aircraft make/model/series:	B747-200/300	A/C Common Name:	747-200; 747-300
Qualification Basis:	AC 120-40B Level C	Manufacture Serial No.:	0007
Base Month: DECEMBER	<input checked="" type="checkbox"/> Full Flight Simulator (FFS) <input type="checkbox"/> Flight Training Device (FTD)	Sponsor's FSTD ID:	N941CK
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: 941 (If Applicable)	Convertible FSTD: <input type="checkbox"/> Yes	FSTD Manufacturer:	CAE
<input checked="" type="checkbox"/> eMQTG	Conv. FAA FSTD ID No.	Date of Manufacture:	1980
FSTD Configurations:	747-200 with PW JT9D-7R4G2 747-200 with GE CF6-50 E2	747-300 with PW JT9D-7R4G2 747-300 with GE CF6-50 E2	
Pri. Engine Type/Thrust:	JT9D-7R4G2 / 54,750#	FADEC Version	N/A
Alt. Engine Type/Thrust:	CF6-50 E2 / 51,800#		N/A
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 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: 6.4 <input type="checkbox"/> CPDLC <input checked="" type="checkbox"/> EFB Class: II <input type="checkbox"/> Other:		
FSTD seats available: 6	Fit. control data revision: D6-36154 Rev A		
FSTD host computer: IBM 590	Aero model/data: Boeing / D6-36157 / Rev NEW		
Visual image generator: RSI Raster XT	Avionics Type/Suite:		
Visual system display: Cross cockpit 150 x 40	Avionics Std/Rev:		
Visual projector: 3 / Christie DLP/LED	FMS: CMC Electronics / CMA-900 / Mod. Level 4		
	Motion system: CAE / 500 / 6		
Airport Qualification Models <span style="float: right;">If illustrations or other presentations are attached please specify: <input type="checkbox"/></span>			
Airport Qualification Model 1 / Available In-Use Runways /Taxiway:	KJFK / 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 2 / 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 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): GOCCIA

Area/Function/Maneuver	Requested (Sponsor Use)	Qualified (FAA Use Only)	Remarks (Including Partial Task Limitations)
CAT I: (RVR 2400/1800ft. 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: (RVR 300ft. DH 100 ft.)	<input checked="" type="checkbox"/>	<input checked="" 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 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, 6.4
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"/>	EGPWS
SMGCS: KLAX: ICC RAMP out on A1, left A, right G, cross 25L/25R, right on B to hold short 25R at B1, RVR 1200-600, Bi-directional.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Enhanced Taxi Markings: : KSFO/ From parking at UAL maintenance hangar 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"/>	
ADS-B <input type="checkbox"/> In	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	



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<b>Section 3b. Additional Helicopter FSTD Qualified Maneuvers, Procedures, Tasks, and Functions</b> (not stated in 14CFR Part 60 Appendix (C or D) Attachment 1, Table 1B)			
<b>Area/Function/Maneuver</b>	<b>Requested (Sponsor Use)</b>	<b>Qualified (FAA Use Only)</b>	<b>Remarks (Including Partial Task Limitations)</b>
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"/>	

<b>Section 3c. Level 4 &amp; 5 FSTD Only --Optionally Qualified Maneuvers, Procedures, Tasks, and Functions as defined in Table B1B and D1B.</b>			
<b>Area/Function/Maneuver</b>	<b>Requested (Sponsor Use)</b>	<b>Qualified (FAA Use Only)</b>	<b>Remarks (Including Partial Task Limitations)</b>
<b>Preflight Procedures</b>			
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"/>	
<b>In-flight Maneuvers</b>			
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"/>	
<b>Instrument Procedures</b>			
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
<b>Landings and Approaches to Landings</b>			
Visual Approaches (normal, steep, shallow) with visual system	<input type="checkbox"/>	<input type="checkbox"/>	Level 5 Helicopter
<b>Normal and Abnormal Procedures</b>			
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"/>	
<b>Emergency Procedures</b>			
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"/>	
<b>Post flight Procedures.</b>			
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"/>	

<b>Section 4. Non Qualified Tasks</b>	
<p><b>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.</b></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.	