

# 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:** Pan Am International Flight Academy

**Location:** Henderson

**Aircraft Type:** B-737-800

**FAA Identification Number:** 1168

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

**Qualification Level:** D

Issued by the National Simulator Program  
on August 2, 2017.

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 November 30, 2018.

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| <b>Federal Aviation Administration<br/>National Simulator Program<br/>Statement of Qualification</b> | <b>Sponsor: Pan Am International Flight Academy<br/>FSTD ID: 1168<br/>Aircraft Type: B737-800W</b> |
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Sponsor Submission Date: 7/28/2017 Submissions to: [9-ASO-AFS205-NSP-SIMULATOR-SCHEDULING@faa.gov](mailto:9-ASO-AFS205-NSP-SIMULATOR-SCHEDULING@faa.gov)

**Section 1. FSTD Sponsor Information**

|   |                                     |                                       |                         |
|---|-------------------------------------|---------------------------------------|-------------------------|
| <b>Sponsor Name:</b>                              | Pan Am International Flight Academy | <b>FSTD Location:</b>                 |                         |
| <b>Address:</b>                                   | 5000 NW 36 <sup>th</sup> Street     | <b>Physical Address:</b>              | 1771 Whitney Mesa Drive |
| <b>City:</b>                                      | Miami                               | <b>City:</b>                          | Henderson               |
| <b>State/Prov/Terr:</b>                           | Florida                             | <b>State:</b>                         | NV                      |
| <b>Country:</b>                                   | USA                                 | <b>Country:</b>                       | USA                     |
| <b>ZIP:</b>                                       | 33122                               | <b>ZIP:</b>                           | 89014                   |
| <b>Sponsor ID No:</b><br>(FAA Certificate Number) | PN7X                                | <b>Nearest Airport:</b><br>(Apt Code) | KLAS                    |

**Local FAA Authority: FAA Training Program Approval Authority: (TPAA)**

|                 |                            |                     |                        |
|-----------------|----------------------------|---------------------|------------------------|
| <b>Name:</b>    | Richard Behrle             |                     |                        |
| <b>Address:</b> | 2895 SW 145 AVE, Suite 120 | <b>Office Phone</b> | 954 641 6129           |
| <b>City:</b>    | Miramar                    | <b>Cell:</b>        |                        |
| <b>State:</b>   | Florida                    | <b>Fax:</b>         |                        |
| <b>ZIP:</b>     | 33027                      | <b>Email:</b>       | richard.behrle@faa.gov |

**FAA Alternate POC (APM, FTPM, if required)**

|                    |  |                     |  |
|--------------------|--|---------------------|--|
| <b>Name:</b>       |  |                     |  |
| <b>Address :</b>   |  | <b>Office Phone</b> |  |
| <b>City/State:</b> |  | <b>Cell:</b>        |  |
| <b>State:</b>      |  | <b>Fax:</b>         |  |
| <b>ZIP:</b>        |  | <b>Email:</b>       |  |

**FSTD Management Representative::**

|                    |                                 |                     |                          |
|--------------------|---------------------------------|---------------------|--------------------------|
| <b>Name:</b>       | Arlen Ansell                    |                     |                          |
| <b>Address 1:</b>  | 5000 NW 36 <sup>th</sup> Street | <b>Office Phone</b> | 305 874-6592             |
| <b>City/State:</b> | Miami                           | <b>Cell:</b>        | 305 773 2803             |
| <b>State:</b>      | Florida                         | <b>Fax:</b>         | 305 874 6576             |
| <b>ZIP:</b>        | 33122                           | <b>Email:</b>       | aansell@panamacademy.com |

**FSTD Contact:**

|                    |                         |                     |                              |
|--------------------|-------------------------|---------------------|------------------------------|
| <b>Name:</b>       | Ron Zarnstorff          |                     |                              |
| <b>Address 1:</b>  | 1771 Whitney Mesa Drive | <b>Office Phone</b> | 702 990 4094                 |
| <b>City/State:</b> | Henderson               | <b>Cell:</b>        | 859 240 5571                 |
| <b>State:</b>      | NV                      | <b>Fax:</b>         | 702 990 4093                 |
| <b>ZIP:</b>        | 89014                   | <b>Email:</b>       | rzarnstorff@panamacademy.com |

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| <b>Federal Aviation Administration<br/>National Simulator Program<br/>Statement of Qualification</b> | <b>Sponsor: Pan Am International Flight Academy<br/>FSTD ID: 1168<br/>Aircraft Type: B737-800W</b> |
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| Section 2. FSTD Information  |  |   |                      |
|--|--|---|----------------------|
| Aircraft make/model/series:  | Boeing 737-800W  | A/C Common Name:                            | B737 NG              |
| Qualification Basis:   | 14 CFR Part 60   | Manufacture Serial No.:                     | SBV 08/4             |
| Qualification Level:   | D  | Sponsor's FSTD ID:                          | B737#5               |
| Base Month: April  | <input checked="" type="checkbox"/> Full Flight Simulator (FFS)<br><input type="checkbox"/> Flight Training Device (FTD)   |   |                      |
| <b>National Aviation Authority Qualification (For BASA-SIP Evaluations only):</b>  |  |   |                      |
| NAA Name:  |  |   |                      |
| NAA FSTD ID No:  |  | NAA Qualification Basis:                    |                      |
| NAA Qualification Level:   |  |   |                      |
| <b>Technical Information:</b>  |  |   |                      |
| FAA FSTD ID No: 1168<br>(If Applicable)  | Convertible FSTD: <input type="checkbox"/> Yes   | FSTD Manufacturer:                          | Sim Industries / CAE |
| <input checked="" type="checkbox"/> eMQTG  | Conv. FAA FSTD ID No.  | Date of Manufacture:                        | 09/30/2009           |
| FSTD Configurations:   |  |   |                      |
| Pri. Engine Type/Thrust:   | CFM56-7B/ 27K  | FADEC Version                               |                      |
| Alt. Engine Type/Thrust:   | CFM56-7B/ 26K  |   |                      |
| Alt. Engine Type/Thrust:   | CFM56-7B/ 24K  |   |                      |
| 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<br><input checked="" type="checkbox"/> GPS <input checked="" type="checkbox"/> GPWS <input checked="" type="checkbox"/> FMS <input checked="" type="checkbox"/> TCAS Ver: 7 <input type="checkbox"/> CPDLC<br><input type="checkbox"/> EFB Class: <input type="checkbox"/> Other: |   |                      |
| FSTD seats available: 5  | 5  | Flt. control data revision: D611A001, Rev M |                      |
| FSTD host computer: PC   | Aero model/data: D611A001, Rev M   |   |                      |
| Visual image generator: Rockwell Collins EP1000  | Avionics Type/Suite: Collins/Smiths (simulated DU, EDU)  |   |                      |
| Visual system display: Q4 200 Deg Wide   | Avionics Std/Rev:  |   |                      |
| Visual projector: 3 LCoS projectors  | FMS: Smiths Dual FMC U10.8A  |   |                      |
|  | Motion system: Moog 660-14000 Electric 6 axis  |   |                      |
| <b>Airport Qualification Models</b> <b>If illustrations or other presentations are attached please specify:</b> <input type="checkbox"/> |  |   |                      |
| Airport Qualification Model 1 / Available In-Use Runways /Taxiway:   | KJFK, 4R/22L 31R/13L   |   |                      |
| Airport Qualification Model 2 / Available In-Use Runways /Taxiway:   | KMIA, 8L/26R 8R/16L  |   |                      |
| Airport Qualification Model 3 / Available In-Use Runways/ Taxiway:   | KIAD, 1R/19L 1L/19R  |   |                      |
| Visual Ground Segment:   | KJFK<br>Airport Designator   | 04R<br>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): Dunwoody**

| Area/Function/Maneuver   | Requested<br>(Sponsor Use)          | Qualified<br>(FAA Use Only)         | Remarks<br>(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:   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |   |
| Circling Approach : KJFK 04R_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"/> |   |
| 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"/> | <b>EGPWS</b>                                    |
| SMGCS: KSEA/S3, spot 99, rwy 16L 600 RVR   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |   |
| Enhanced Taxi Markings KSEA  | <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"/> | RNP = 1.1                                       |
| 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<br>(Sponsor Use) | Qualified<br>(FAA Use Only) | Remarks<br>(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<br>Evaluated with Class A Lens <input type="checkbox"/> Class B Lens <input type="checkbox"/><br>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<br>(Sponsor Use) | Qualified<br>(FAA Use Only) | Remarks<br>(Including Partial Task Limitations) |
|---|----------------------------|-----------------------------|---|
| <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<br>(Sponsor Use) | Qualified<br>(FAA Use Only) | Remarks<br>(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.  |         |