



NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

February 23, 2000

GROUP CHAIRMAN'S FACTUAL REPORT

Addendum # 1

OPERATIONAL FACTORS

DCA00MA006

A. ACCIDENT

Operator: EgyptAir
Location: 60-Miles South of Nantucket Island
(N40.20, W69.45)
Date: October 31, 1999
Time: 0148 EST¹
Airplane: Boeing 767-366ER, Registration: SU-GAP

B. Addenda

1. B 767 initial crew training records for Capt. El Habashy
 - a. Flight Training Record Summary
 - b. Fixed base simulator "A" (FBS A) lessons 1-11 with comments
 - c. Fixed base simulator "B" (FBS B) lessons 1-3 with comments
 - d. Full flight simulator (FFS) lessons 1-7 with comments
2. B 767 initial crew training records for F/O El Batouty
 - a. Flight Training Record
 - b. Fixed base simulator "A" (FBS A) lessons 1-11 with comments
 - c. Fixed base simulator "B" (FBS B) lessons 1-3 with comments
3. Copy of EgyptAir Flight 990 Loadsheet

Submitted by: _____

Capt. P. D. Weston
Aviation Safety Investigator
February 23, 2000

[Handwritten signature]
[Redacted]
1/23/00

Attachments:

¹Unless otherwise noted all times are expressed in terms of the 24-hour clock, Eastern Standard Time (EST).

FLIGHT TRAINING RECORD SUMMARY

NAME AHMED M. EL-HABASHY

CREW POSITION CAPTAIN

AIRLINE EGYPTAIR

TYPE 767-266

CS 428

TRAINING		HOURS	DATE	LOCATION	SIGNATURE SIGNIFYING SATISFACTORY COMPLETION	
ACADEMICS	(EXAMINATION GRADE - 98)	62 ^{1/2}	7-13-84	SEATTLE, WASH.	Signature	
FBS - A		22	7-13-84	SEATTLE, WASH.	Signature	
FBS - B		6 ⁰⁰	18 July 84	Seattle, WA	Signature	
FFS		12 ⁰⁰	26 July 84	Seattle, WA	Signature	
AIRPLANE		2 ⁰⁰	6 AUG 84	SEATTLE, WA	Signature	
FLIGHT CHECK		HOURS	DATE	LOCATION	SIGNATURE SIGNIFYING SATISFACTORY COMPLETION	
FFS		2 ⁰⁰	27 JUL 84	SEATTLE	Signature	
AIRPLANE		2 ¹⁰	7 AUG 84	SEATTLE	Signature	

FBS-B - FFS - AIRPLANE											INSTRUCTOR CHECK AIRMAN		
DATE	DUTY CODE	TYPE EQUIP	TODAY	TOTAL	NIGHT	INST	VIS	PRECISION APPROACHES	NON-PRECISION APPROACHES	TOUCH & GO		NO. OF LANDINGS	
												DAY	NIGHT
16 July 84	CTR	FBS-B	2 ⁰⁰	2 ⁰⁰	+	+	+	1/1					CURRY
17 July 84	CTR	FBS-B	2 ⁰⁰	4 ⁰⁰	+	+	+	1/1					CURRY
18 July 84	CTR	FBS-B	2 ⁰⁰	6 ⁰⁰	+	+	+	1/1					CURRY
19 July 84	CTR	FFS	2 ⁰⁰	2 ⁰⁰	+	+	2 ⁰⁰	3/1	3/1				CURRY
20 July 84	CTR	FFS	2 ⁰⁰	4 ⁰⁰	+	+	2 ⁰⁰	2/1	1/1	2/1			CURRY
21 July 84	CTR	FFS	2 ⁰⁰	6 ⁰⁰	+	+	2 ⁰⁰	1/1		2/1			CURRY
24 July 84	CTR	FFS	2 ⁰⁰	9 ⁰⁰	+	+	2 ⁰⁰	2/1		4/1			CURRY
25 July 84	CTR	FFS	2 ⁰⁰	10 ⁰⁰	2 ⁰⁰	+	2 ⁰⁰	2/2			2/1		CURRY
26 July 84	CTR	FFS	2 ⁰⁰	12 ⁰⁰	+	+	2 ⁰⁰	1/1		2/1			CURRY
27 Jul 84	CTY	FFS	2 ⁰⁰	14 ⁰⁰	+	+	2 ⁰⁰	1/1		2/1			DUNHAM
6 AUG 84	CTR	AP	2 ⁰⁰	2 ⁰⁰	+	+45	+	2/1	8/1	1/1			GROSVENOR
7 AUG 84	CTY	A/P	2 ¹⁰	4 ¹⁰	+	+45	+	2/1	6/1	1/1			POLLARD

DOCUMENTS USED IN TRAINING: OPERATIONS MANUAL _____ ; NORMAL CHECKLIST _____ ;
 NON-NORMAL CHECKLIST _____ ; TRAINING MANUAL _____ .

FBS A LESSON 1
TRAINING RECORD -

NAME AHME M. EL-HARASHY
AIRLINE EGYPTAIR

CREW POSITION CAPT
TYPE B-767-246

BRIEFING

TRAINING PLAN
OPERATING PHILOSOPHY

APPROACH & LANDING

DEMO

PREFLIGHT

DEMO

SUPPLEMENTAL NORMAL PROCEDURES

EICAS

ENGINE START

DEMO

NON-NORMAL PROCEDURES

TAXI-OUT & TAKEOFF

DEMO

SYSTEMS REVIEW

APU
EICAS
ELECTRICAL (NORMAL)

CLIMB AND CRUISE

DEMO

REMARKS Identify items that were incomplete or require additional training.

INSTRUCTOR [Signature] TRAINEE [Signature] DATE 6/28/84

5004

FBS A LESSON 2
TRAINING RECORD -

NAME ELHABASHY
AIRLINE EGP

CREW POSITION C
TYPE 767 -266

BRIEFING
SCAN FLOW
NORMAL PROCEDURES

APPROACH & LANDING
PARKING - (FAMILIARIZATION)

PREFLIGHT
NORMAL (FAMILIARIZATION)
LIGHTING

SUPPLEMENTAL NORMAL PROCEDURES
FUEL
POWER PLANT (STARTING)

ENGINE START
NORMAL (FAMILIARIZATION)

NON-NORMAL PROCEDURES

TAXI-OUT & TAKEOFF

SYSTEMS REVIEW
CDU FAMILIARIZATION
FUEL
POWER PLANT
HYDRAULICALLY-POWERED SYSTEMS

CLIMB AND CRUISE

REMARKS Identify items that were incomplete or require additional training.

INSTRUCTOR [Signature] TRAINEE [Signature] DATE 6/29/84

FBS A LESSON 3
TRAINING RECORD -

NAME EL HABASHY

CREW POSITION C

AIRLINE EGP

TYPE 767 - 286

BRIEFING

NORMAL PROCEDURES
AUTO-PILOT
ADT AND HSI

APPROACH & LANDING

NORMAL PROCEDURES

PREFLIGHT

NORMAL PROCEDURES

SUPPLEMENTAL NORMAL PROCEDURES
AUTO PILOT

INERTIAL REFERENCE SYSTEM
AIR DATA COMPUTER
AUTO LAND STATUS ANNUNCIATOR

ENGINE START

NORMAL PROCEDURES

NON-NORMAL PROCEDURES

TAXI-OUT & TAKEOFF

SYSTEMS REVIEW

ENVIRONMENTAL - PNEUMATICS & AIR CONDITIONING
FMC CDU - FAMILIARIZATION
AUTO PILOT - INTRODUCTION
AUTO THROTTLE - INTRODUCTION
FLIGHT INSTRUMENTS

CLIMB AND CRUISE

REMARKS Identify items that were incomplete or require additional training.

INSTRUCTOR AL G/ 12/10

TRAINEE [Signature]

DATE 7/2/84

77034

FBS A LESSON 4
TRAINING RECORD -

NAME EL HABASHY

CREW POSITION C

AIRLINE EGP

TYPE 767 - 266

BRIEFING

FLAP - SPEED SCHEDULE

BUG SETTING

APPROACH & LANDING

NORMAL PROCEDURES

PREFLIGHT

NORMAL PROCEDURES

SUPPLEMENTAL NORMAL PROCEDURES

ILS TEST

ENGINE START

NORMAL PROCEDURES

NON-NORMAL PROCEDURES

TAXI-OUT & TAKEOFF

NORMAL PROCEDURES

SYSTEMS REVIEW

AUTO PILOT - MODES

CLIMB AND CRUISE

NORMAL PROCEDURES

REMARKS Identify items that were incomplete or require additional training.

INSTRUCTOR [Signature]

TRAINEE [Signature]

DATE 7/3/84

FBS A LESSON 5
TRAINING RECORD -

NAME EL HABASHY
AIRLINE EOP

CREW POSITION C
TYPE 767 - 266

BRIEFING
FMS NAVIGATION
AUTO FLIGHT
FLIGHT INSTRUMENTS

APPROACH & LANDING
FMC CDU PAGES

PREFLIGHT
NORMAL PROCEDURES

SUPPLEMENTAL NORMAL PROCEDURES
STALL WARNING

ENGINE START
NORMAL PROCEDURES

NON-NORMAL PROCEDURES

TAXI-OUT & TAKEOFF
PARTIAL FMS - (NO V NAV)

SYSTEMS REVIEW
FMS LNAV/VNAV INTRODUCTION
CDU PAGES

CLIMB AND CRUISE
FMC CDU

REMARKS Identify items that were incomplete or require additional training.

INSTRUCTOR [Signature] TRAINEE [Signature] DATE 7/5/84

99034

FBS A LESSON 6
TRAINING RECORD -

NAME EL HABASHY CREW POSITION C
AIRLINE EGP TYPE 767 - 266

BRIEFING
L NAV, V NAV NAVIGATION

APPROACH & LANDING
NORMAL PROCEDURES

PREFLIGHT
NORMAL PROCEDURES

SUPPLEMENTAL NORMAL PROCEDURES
WINDOW/PROBE HEAT TEST
WING ANTI ICE TEST

ENGINE START
MANUAL OVERRIDE START

NON-NORMAL PROCEDURES

TAXI-OUT & TAKEOFF
FULL FMS NAVIGATION
WING ANTI ICE

SYSTEMS REVIEW

CLIMB AND CRUISE
CDU PRACTICE

REMARKS Identify items that were incomplete or require additional training.
STUDY YOUR NORMAL PROCEDURES

INSTRUCTOR [Signature] TRAINEE [Signature] DATE 7/6/84

FBS A LESSON 7
TRAINING RECORD -

NAME EL HABASHY CREW POSITION C
AIRLINE EBP TYPE 767 - 386

BRIEFING

FMS NAVIGATION
CDU NORMAL PROCEDURES

PREFLIGHT

*NORMAL PROCEDURES

ENGINE START

ABORTED START

TAXI-OUT & TAKEOFF

FULL FMS NAVIGATION

CLIMB AND CRUISE
CDU PRACTICE

APPROACH & LANDING

* NORMAL PROCEDURES

SUPPLEMENTAL NORMAL PROCEDURES
FIRE AND O/HEAT TESTS

NON-NORMAL PROCEDURES
ELECTRICAL SYSTEM
FUEL

SYSTEMS REVIEW

ELECTRICAL (NON NORMAL)

* PROFICIENCY

REMARKS Identify items that were incomplete or require additional training.

INSTRUCTOR [Signature] TRAINEE [Signature] DATE 7/9/84

99094

FBS A LESSON 8
TRAINING RECORD -

NAME EL HABASHY CREW POSITION C
AIRLINE ESP TYPE 767 - 266

BRIEFING
FMS CDU (NO COMPANY ROUTE)

APPROACH & LANDING
ALTITUDE RESTRICTION
* NORMAL PROCEDURES

PREFLIGHT
EXTERNAL POWER AND AIR

SUPPLEMENTAL NORMAL PROCEDURES
FUEL

ENGINE START
ABORTED START

NON-NORMAL PROCEDURES
APU
POWER PLANT
FMC
PASSENGER EVACUATION

TAXI-OUT & TAKEOFF
* NORMAL PROCEDURES

SYSTEMS REVIEW
POWER PLANT (NON NORMAL)

CLIMB AND CRUISE
CDU PRACTICE
* NORMAL PROCEDURES

* PROFICIENCY

REMARKS Identify items that were incomplete or require additional training.

INSTRUCTOR [Signature] TRAINEE [Signature] DATE 7/10/84

07.01

Addendum # 1

FDS A LESSON 9
TRAINING RECORD -

NAME EL HABASHY

CREW POSITION CAPT

AIRLINE EBP

TYPE 767 - 266

BRIEFING

FMS NORMAL PROCEDURES

APPROACH & LANDING

C SYSTEM INOP LANDING

ENGINE FIRE AFTER LANDING

EXTERNAL POWER

PREFLIGHT

NORMAL PROCEDURES

SUPPLEMENTAL NORMAL PROCEDURES

YAW DAMPER TEST

LANDING CONFIG TEST

TAKEOFF CONFIG TEST

ENGINE START

ABORTED START

NON-NORMAL PROCEDURES

IRS

HYDRAULIC SYSTEM

TAXI-OUT & TAKEOFF

WHEEL WELL FIRE

SYSTEMS REVIEW

HYDRAULICALLY POWERED SYSTEMS

FLIGHT CONTROLS (NON NORMAL)

CLIMB AND CRUISE

HOLDING

SPEED SCHEDULES

REMARKS Identify items that were incomplete or require additional training.

INSTRUCTOR [Signature]

TRAINEE [Signature]

DATE 7/11/84

07.01

FBS A LESSON 10
TRAINING RECORD -

NAME EL HABASHY
AIRLINE EBP

CREW POSITION C
TYPE 767 - 266

BRIEFING
* FMS NORMAL PROCEDURES
MISSED APPROACH
HOLDING

APPROACH & LANDING
MISSED APPROACH - L NAV
HOLDING

PREFLIGHT
NORMAL PROCEDURES

SUPPLEMENTAL NORMAL PROCEDURES
EQUIPMENT COOLING TEST
DUCT LEAK TEST

ENGINE START
STARTER CUTOUT
ENG ANTI ICE

NON-NORMAL PROCEDURES
ENVIRONMENTAL CONTROL
HYDRAULICALLY POWERED SYSTEMS

TAXI-OUT & TAKEOFF
WING ANTI ICE

SYSTEMS REVIEW
ENVIRONMENTAL CONTROL
HYDRAULICALLY POWERED SYSTEMS

CLIMB AND CRUISE
NORMAL PROCEDURES

* PROFICIENCY

REMARKS Identify items that were incomplete or require additional training.

*All procedures proficient - Continue to practice both
study CDU operation to ops manual supplement.*

INSTRUCTOR [Signature] TRAINEE [Signature] DATE 7/12/87

3703
DCA00MA006
CP

FBS A LESSON 11
TRAINING RECORD -

NAME EL HABASHY CREW POSITION C
AIRLINE EGP TYPE 767 - 266

BRIEFING
FMS NORMAL PROCEDURES

APPROACH & LANDING
NORMAL PROCEDURES

PREFLIGHT
NORMAL PROCEDURES

SUPPLEMENTAL NORMAL PROCEDURES
OXYGEN SYSTEM TEST
GROUND PROX
FMS

ENGINE START
ABORTED START
ENG. ANTI ICE

NON-NORMAL PROCEDURES
CARGO FIRE

TAXI-OUT & TAKEOFF
TEMPORARY ALTITUDE RESTRICTION

CLIMB AND CRUISE
CHANGING SCHEDULES

REMARKS Identify items that were incomplete or require additional training.
CDU work proficient!

INSTRUCTOR [Signature] TRAINEE [Signature] DATE 7/13/84

TRAINING RECORD FBS B LESSON 1

NAME Hebasy, R.M.

CREW POSITION Capt

AIRLINE EGP

TYPE 767-266

BRIEFING

Review of Normal Procedures
USE OF FMS and TMS

APPROACH & LANDING

Normal Procedure
Use of L/V NAV
Area Arrival
Compute TOD Point
Waypoint Altitude Restriction
CAT III Approach - DH 50'
CAT II Approach (FD) 100'
~~ILS Manual - Published Minimums~~
VOR AFDS/TMS

PREFLIGHT

Normal Procedures
Panel Scan Philosophy
CDU Route Entry - By Legs
Review Route - HSI Plan Mode

~~NDB Manual~~

Autoland Status Annunciator
Missed Approach (Automatic) - L/V Nav
Missed Approach (Automatic) - AFDS/TMS
Missed Approach (Manual) - FD
Missed Approach - Manual
Holding
HSI Display - MAP, ILS, VOR Modes
Flap Extension Schedule & Body Attitudes
ADI Annunciations
Raw Data Displays
Standard Callouts

ENGINE START

Normal Procedures

TAXI-OUT & TAKEOFF

Normal Procedures
TMS-Deerate Selections
FD to Mode/Rotation Technique
Noise Profile - Using AFDS/TMS
Flap Retraction Schedule &
Maneuvering

CLIMB AND CRUISE

Normal Procedures
Area Departure
Use of L/V NAV
Linking Route Discontinuity
CDU - Changing Speed Schedule
Speed Intervention
Offset (Parallel) Routing
Direct to Waypoint
CDU - Arrival Procedure
HSI - Route Verification
Steep Turns
Approach to Stalls

TAXI-IN & PARK

Normal Procedures

REMARKS Identify items that are incomplete or require additional training.

INSTRUCTOR R.M. Hebasy

TRAINEE* [Signature]

DATE 16 Jul 84

*Signature indicates that trainee is aware of remarks

Sep 01/82

04.01

TRAINING RECORD FBS B LESSON 2

NAME Habashy, A.M. CREW POSITION Capt
AIRLINE EOP TYPE 767-266

BRIEFING

Operations in Icing Conditions
Constraints on Reduced Thrust with
Adverse Runway Conditions

PREFLIGHT

Dispatch with One FMC Inop.
Contingency Routing Procedure
CDU Fix Page Data
Manual VOR Freq. & Course Selection
EFC Control of Symbology

ENGINE START

Review Engine Anti-Ice Procedure

TAXI-OUT & TAKEOFF

Reduced Thrust - Assumed Temp Method
Waypoint Altitude Restriction
Noise Abatement - AFDS/TMS
Area Departure with SID
Activate Contingency Routing

CLIMB AND CRUISE

Heading Select Mode Procedure
AFDS FLCH Mode Procedure
AFDS V/S Mode Procedure
Delete Waypoint Altitude Restriction
Change Cruise Speed Schedule
Determining ETA/FUEL Remaining Proc.
Entries for Cruise/Descent Winds
Flight Progress Data Check
Icing Procedures

APPROACH & LANDING

Icing Conditions - Engine & Wing
NDB AFDS/TMS
Construct NDB Approach - Using Fix Page
Autothrottle Disconnect (TMS Faults)
ILS AFDS/CWS 100'
Autobrake Fault
CAT III Approach - Full Stop
Autopilot Warning (AFDS Fault)
Crossing Altitude Restriction
LOC (BC)
Missed Approach - AFDS/TMS
Missed Approach (CWS) AFDS
Holding - CDU Procedure
HSI Display - Map
Standard Callouts

TAXI-IN & PARK

Icing Conditions

REMARKS Identify items that are incomplete or require additional training.

INSTRUCTOR [Signature] TRAINEE* [Signature] DATE 17 July 84

*Signature indicates that trainee is aware of remarks

Sep 01/82

04.02

Addendum # 1

5903

TRAINING RECORD FBS B LESSON 3

NAME Habachy, R.M. CREW POSITION Capt
AIRLINE EGP TYPE 767-266

BRIEFING

Window Heat Inoperative
Pilot Incapacitation
EICAS CRT Message Display Failure
Use Full FMS Enroute MWH

PREFLIGHT

Dispatch with an Air Conditioning
Pack Inop - Use of MEL
Icing Condition Exist

TAXI-OUT & TAKEOFF

TMS Takeoff Procedure
~~EEC OFF Procedure~~
Reduced Thrust - Derate 2

CLIMB AND CRUISE

Normal Procedures
Altitude Restriction
Top of Climb (T/C) - CDU Procedure
Changing Cruise Speed Schedule
Determine ETA & Distance from Fix -
CDU Procedure
Entering Descent Forecast
Flight Progress Data Check

APPROACH & LANDING

AFDS/TMS & L/V Nav Modes
Area Arrival
Holding Entering/Exiting CDU Procedure
Holding AFDS/TMS L/V Nav Procedures
Icing Conditions
VOR - AFDS L/V Nav - Full Stop
~~VOR - Manual~~
~~EEC Failure & Thrust Management Proc.~~
CAT II Approach (FD) 100' Full Stop
~~Engine Shutdown - Engine Failure Procedure~~
~~Engine Inflight Start Procedure~~
CAT III Approach - Full Stop
Missed Approach - From VOR (Complete)
Standard Callouts

TAXI-IN & PARK

Normal After Landing Procedures
APU Fire Procedure
Passenger Evacuation Procedure

REMARKS Identify items that are incomplete or require additional training.

INSTRUCTOR R

TRAINEE* [Signature]

DATE 19 July 84

*Signature indicates that trainee is aware of remarks

Sep 01/82

04.03

TRAINING RECORD FFS LESSON 1

NAME Habersky

CREW POSITION Capt

AIRLINE EGP

TYPE 767-260

BRIEFING

- Customer Airplane Differences
- Simulator Fire Protection System
- Simulator Safety Procedures
- Ground Handling Characteristics

PREFLIGHT

- Normal Procedures

ENGINE START

- Normal Procedure-External Power

TAXI-OUT & TAKEOFF

- Normal Procedures
- Taxi & Steering Technique
- Entering Waypoint Altitude Restriction
- Reduced Thrust - Assumed Temperature Method
- Noise Profile - Using AFDS/TMS

CLIMB AND CRUISE

- Normal Procedures
- Changing Climb Schedule
- Deleting Waypoint Altitude Restriction
- Time/Distance Crossing Radial
- Flight Characteristics - Low Altitude
- Steep Turns
- Approach to Stalls

APPROACH & LANDING

- Normal Procedures
- AFDS/TMS & L/V Nav Mode
- CAT III Approach - Full Stop
- Autobrake Use
- CAT II Approach (FD) 100'
- ILS Manual
- Missed Approach - Manual AFDS/TMS
- Visual Traffic Pattern - VASI
- HSI Display - Map
- Touch/Stop and Go Landing
- Landing - No Aids

TAXI-IN & PARK

- Normal Procedures

REMARKS Identify items that are incomplete or require additional training.

INSTRUCTOR [Signature]

DATE 19 July 84

*Signature indicates that trainee is aware of remarks

Sep 01/82

05.01
Appendix # 1

TRAINING RECORD FFS LESSON 2

NAME Habashi
 AIRLINE EGP

CREW POSITION Capt
 TYPE F67-266

BRIEFING

Review Items in Phase of Flight

PREFLIGHT

Normal Procedures
 Dispatch with Generator Inop
 Use of MEL
 CDU Fix Page - Displays Fixes/Radials
 For Approaches

ENGINE START

Non-Normal Procedures
 Hot/Hung/Starter Cutout/Starter Valve
 Procedure

TAXI-OUT & TAKEOFF

Normal Procedures
 Reduced Thrust - Assummd Temperature
 FD - With Manual Thrust Control
 FD - With TMS Control
 Noise Profile - Using AFDS
 Non-Normal Procedures
 Engine Failure After V1
 (Profile)
 Wind Shear Technique

CLIMB AND CRUISE

Normal Procdures
 Non-Normal Procedures

APPROACH & LANDING

Normal Procedures
 Non-Normal Procedures
 CAT II (FD) 100' - Full Stop
 CAT II (FD) One Engine Inoperative
 Fuel Configuration Message Procedure
 Missed Approach (FD) - Engine Inoperative
 CAT II (FD) - Full Stop
 Construct VOR Approach - Using Fix Page
 VOR AFDS/TMS
 Circling Approach - AFDS/TMS
 Rejected Landing
 ILS Manual
 ADI or HSI Fail Message
~~Use of 3rd Gyro Standby Attitude~~
 EFI Instrument Source Selector Switch Proc.
 Visual Patterns
 Approach to Stall - Ground Contact a Factor
 Fuel Efficient Profile
 Crosswind Landing Technique
 Wind Shear Technique
 ILS - One Engine Inop Profile
 Visual Traffic Pattern - One Engine Inop
 Profile

Status Annunciators

TAXI-IN AND LANDING

Normal Procedures
 Transient Stop Procedures
 IRS Realignment at Transient Stop

REMARKS Identify items that are incomplete or require additional training.

INSTRUCTOR [Signature]

DATE 20 July 84

*Signature indicates that trainee is aware of remarks

Sep 01/82

05.02

3704

TRAINING RECORD FFS LESSON 3

NAME Habashy
AIRLINE EGP

CREW POSITION Capt
TYPE F67-266

BRIEFING

Review High Altitude Characteristics
Use of Prolonged Use of Oxygen
Effect of Cost Index on Performance
Data

CLIMB AND CRUISE (Continued)

Flight Characteristics - High Altitude
(VMO Maneuvers)
~~Step Climb Evaluation~~
Emergency Descent - Practice Manually
Rapid Depressurization
Emergency Descent - Use AFDS

PREFLIGHT

Normal Procedures
Oxygen Mask - Donning and Communi-
cations Procedures

APPROACH & LANDING

Normal Procedures
Use of AFDS/TMS & L/V Nav
Change Destination - CDU Procedure
Holding - AFDS/TMS & L/V Nav
VOR AFDS/TMS & L/V Nav
Circling Approach - AFDS/TMS
CAT II (FD) One Engine Inoperative 100'
Missed Approach - One Engine Inoperative
Visual Traffic Patterns
HSI Display to Maintain Track
One Engine Inoperative - Full Stop
Crosswind Landing Technique

ENGINE START

Completed - Instruction Option

TAXI-OUT & TAKEOFF

Normal Procedures
Reduced Thrust - Assumed Temperature
Method
FD with TMS Control
Engine Failure After V1 (Engine Fire)
Crosswind Technique
Rejected Takeoff Procedure

TAXI-IN AND PARK

Normal Procedures
One Engine Inoperative Procedure
Brake Cooling Table

CLIMB AND CRUISE

Normal Procedures
Area Departure with SID
Max Rate of Climb
Temporary Altitude Restriction
Linking Route Discontinuity
Severe Turbulent Air Penetration
Procedures - AFDS/TMS

REMARKS Identify items that are incomplete or require additional training.

INSTRUCTOR [Signature]

DATE 21 July 84

*Signature indicates that trainee is aware of remarks

Sep 01/82

05.03

SP01

TRAINING RECORD FFS LESSON 4

NAME Habashy A.M.
AIRLINE EGP

CREW POSITION Capt
TYPE 767-266

BRIEFING

Airplane Handling Characteristics
with Non-Normal Hydraulic and Flight
Control Configurations
NAV Position - No IRS DME Update

APPROACH & LANDING

Non-Normal Procedures
Visual Traffic Pattern
Leading Edge Flap Asymmetry Procedure
Airspeed Bug & A/P Characteristics
Full Stop Landing
Trailing Edge Flap Asymmetry Procedure
Airspeed Bugs & A/P Characteristics and
Body Attitudes at Touchdown
Full Stop Landing
Stabilizer Trim (Fault) - Manual Trim Use
Unscheduled Stabilizer Trim Procedure
Full Stop Landing
Hydraulic System(s) Pressure
L and C System
C SYS Inop Landing Preparation
Alternate Flap Operation
Alternate Gear Operation
Hydraulic Sys Non-Normal Procedures and
Checklists
Crosswind Capability
AFDS/TMS & L/V Nav Modes
Area Arrival
Full Stop Landing

PREFLIGHT

Normal Procedures
Contingency Routing - RTE 2
Entering Waypoints with Lat - Long
Coordinates - RTE-2

ENGINE START

Completed

TAXI-OUT & TAKEOFF

Normal Procedures
Handling Characterisitcs - High/Low
Thrust to Weight Ratios
Manual Flight - VFR Traffic Pattern
TMS with No FD
Noise Profile - Reduced Thrust

TAXI-IN AND PARK

Taxi with Hydraulic System(s) Inoperative
Normal Procedures

CLIMB AND CRUISE

Normal Procedures
Area Departure
Wheel Well Fire Procedure
Landing Gear - Speed Limitations
Use AFDS/TMS L/V Nav Modes
Direct to Waypoint
Airplane Characteristics - No Elevator
feel or Trim
Ram Air Turbine Unlocked
AFDS - With Non-Normal Hydraulic

REMARKS Identify items that are incomplete or require additional training.

INSTRUCTOR [Signature]

DATE 24 July 74

*Signature indicates that trainee is aware of remarks

37004-1

Sep 01/82

05.04

TRAINING RECORD FFS LESSON 5

NAME Habashy, A.M.

CREW POSITION Capt

AIRLINE EGP

TYPE F67 - 266

BRIEFING

- Difference in IRS Position
- When DME Update Has Occurred
- When DME Update Has Not Occurred
- Route Entry - Over Water/Remote Areas

PREFLIGHT

Normal Procedures

ENGINE START

Completed

TAXI-OUT & TAKEOFF

- Normal Procedures
- FD with TMSD Control
- Heading Select
- Rejected Procedure
- Engine Failure After V1-AFDS/TMS
- Contingency Routing
- Wind Shear Technique

CLIMB AND CRUISE

- Normal Procedures
- AFDS/TMS L/V Nav
- Generator Drive Procedure
- APU - Inflight Limitations
- Change Cruise Speed Schedule Long Range Cruise
- Estimated Wind Entries for Cruise
- Waypoints/Entering Descent Forecast
- Determining ETA and Fuel Remaining for Destination
- IRS Fault Procedure
- Linking Route Discontinuity
- Flight Progress Data Check

APPROACH & LANDING

- Normal Procedures
- Use of AFDS/TMS L/V Nav
- Area Arrival - Speed Intervention
- NDB-FD (With Manual Thrust Control)
- HSI Display - Map (Fix Page)
- Circling Approach - Manually
- Circling Approach Profile
- Rejected Landing
- VOR - Manual
- Proceed Direct to Waypoint
- Engine Fire, Severe Damage or Separation
- One Engine Inoperative - Full Stop Landing
- CAT III
- One Engine Inoperative DH 100'
- AFDS/TMS Procedures - One Engine Inop
- One Engine Inoperative - Full Stop Landing
- ILS - One Engine Inoperative Profile
- R-NAV L/V NAV
- Gear Disagree Message and Procedure
- Missed Approach (Automatic) L/V Nav
- Visual Traffic Pattern
- Full Stop Landing
- Non-Precision Approach - One Engine Inop Profile
- Visual Traffic Pattern - One Engine Inop Profile
- TAXI-IN AND PARK
- Normal Procedures
- ILS Realignment at Transient Stop

REMARKS Identify items that are incomplete or require additional training.

INSTRUCTOR [Signature]

DATE 25 July 84

*Signature indicates that trainee is aware of remarks

Sep 01/82

05.05

TRAINING RECORD FFS LESSON 6

NAME Habashi
 AIRLINE EGP

CREW POSITION Capt
 TYPE F47-266

BRIEFING
 Review Simulator Flight Check
 Maneuvers and Procedures

PREFLIGHT
 Normal Procedures
 Dispatch With One Cabin Altitude
 Controller Inoperative - MEL
 Procedure

ENGINE START
 Normal Procedures

TAXI-OUT & TAKEOFF
 Normal Procedures
 Reduced Thrust - Assumed Temp Method
 FD with TMS Control L/V Nav
 Engine Failure After V1-FD & TMS
 Reduced Thrust - No AFDS/TMS
 Rejected Takeoff Procedure

CLIMB AND CRUISE
 Normal Procedures
 Linking Route Discontinuity
 Engine Anti-Ice Procedure
 Severe Turbulent Air Penetration
 Procedures
 Cabin Altitude Controller Fails
 Cabin Automatic Inop Procedure
 Cabin Altitude (Rapid
 Depressurization) Procedure
 Emergency Descent
 Steep Turns
 Approach to Stalls

APPROACH & LANDING
 Normal Procedures
 Direct to Waypoint
 AFDS/TMS L/V Nav
 Holding AFDS/TMS L/V Nav
 Exit Holding Pattern

CAT III Approach
 Autobrake Use on Slick Runway
 Full Stop Landing

CAT II Approach (FD) DH 100'
 One Engine Inoperative
 Missed Approach (FD) One Engine Inop
 Visual Traffic Pattern - One Engine Inop
 Full Stop Landing

NDB - Manual
 Circling Approach - Manually
 Wind Shear - Technique
 Rejected Landing
 Visual Traffic Pattern
 Full Stop Landing

TAXI-IN AND PARK
 Normal Procedures

REMARKS Identify items that are incomplete or require additional training.

Capt TITLE HABASHI NAME

has demonstrated satisfactory skill in all prescribed training
 maneuvers and procedures and is recommended for flight check.

INSTRUCTOR'S SIGNATURE _____ DATE 26 July 84

INSTRUCTOR [Signature] TRAINEE* [Signature]
 *Signature indicates that trainee is aware of remarks

Sep 01/82 05.06

TRAINING RECORD FFS LESSON 7

NAME MAHED M. EL HABASHY CREW POSITION CAPT
AIRLINE EGP TYPE 767 - 286

BRIEFING

Requirements for FAA Type Rating
Visual Simulator Practical Test
Option - Included by Inspector
or Check Authority

X*PREFLIGHT S

Normal Procedures

ENGINE START S

Normal Procedures

TAXI-OUT & TAKEOFF

Normal Procedures - *Reduced Thrust
Instrument
AFDS/TMS L/V Nav
Engine Failure After V1 S
Rejected Takeoff Procedure S
Crosswind

CLIMB AND CRUISE

Normal Procedures
X*Area Departure S
Emergency Descent S
X*Steep Turns S
X*Approach to Stalls S

APPROACH & LANDING

Normal Procedures

~~ADI or HSI Fail~~

X*Area Arrival S

X*Holding

Exit Holding Pattern S

~~CAT III Approach~~

~~Full Stop Landing~~

CAT II Approach S

One Engine Inoperative S

Full Stop Landing MISSED APP. S

VOR Manual

Circling Approach - Manual S

Rejected Landing S

Visual Traffic Pattern S

Full Stop Landing S

Crosswind

TAXI-IN AND PARK

Normal Procedures S

SUPPLEMENTARY NORMAL PROCEDURES

NON-NORMAL PROCEDURES

Items that may be waived as indicated

X* FAR G1.157(c) & FAR 121.441(d)

REMARKS Identify items that are incomplete or require additional training.

SIMULATOR FLIGHT CHECK SATISFACTORILY COMPLETED.

INSTRUCTOR [Signature]

*Signature indicates that trainee is aware of remarks

DATE 27 Jun 82

37031

Sep 01/82

TRAINING RECORD AIRPLANE LESSON 1A/1B

NAME EL-HABASHY, A.M.

CREW POSITION CAPT.

AIRLINE EGYPT AIR

TYPE 767 -

BRIEFING

- Dispatching & Flight Planning
- Navigation & Communications Procedures
 - Training Area
- Weight & Balance and Maintenance Procedures - Training Airplane

APPROACH & LANDING

- Normal Procedures
- Area Arrival
- AFDS/TMS & L/V Nav Modes
- CAT III Approach
- ILS Profile
- Full Stop Landing
- Touch/Stop and Go Landing Profile
- Visual Traffic Patterns
- Touch/Stop and Go Landing
- Visual Traffic Pattern Profile
- CAT II Approach (FD) DH 100'
- Engine Failure Procedure
- Missed Approach - One Engine Inoperative (FD)
- ILS - One Engine Inop Profile
- HSI Display - Map
- CAT II Approach (FD) 100'
- One Engine Inop - Full Stop Landing

PREFLIGHT

- Emergency Exits and Door Operation
- Pilot Flying Accomplish Items for His Crew Position
- Pilot NOT Flying Accomplishes Items for Crew Position Occupied by Instructor
- IRS Realignment at Transient Stop
- Contingency Routing - RTE 2

ENGINE START

- Normal Procedures

TAXI-OUT & TAKEOFF

- Normal Procedures
- Reduced Thrust
- Noise Profile - FD/TMS
- Manual Flight
- Takeoff Profile

TAXI-IN AND PARK

- Normal Procedure

CLIMB AND CRUISE

- Normal Procedures
- Manual Flight
- AFDS/TMS
- L/V Nav

REMARKS Identify items that are incomplete or require additional training.

First Airplane Training flight OK

INSTRUCTOR *[Signature]*

TRAINEE *[Signature]*

DATE *Aug 6, 1984*

*Signature indicates that trainee is aware of remarks

Sep 01/82

06.01

TRAINING RECORD AIRPLANE LESSON 2A/2B

NAME EL HABASHY A.M. CREW POSITION CAPT.
 AIRLINE EGYPT AIR TYPE 767

BRIEFING

Requirements for Airplane Practical Test following Visual Simulator Flight Check

Option - Included by Inspector or Check Authority

PREFLIGHT

Normal Procedures

ENGINE START

Normal Procedures

TAXI-OUT & TAKEOFF

Normal Procedures

CLIMB AND CRUISE

Normal Procedures

APPROACH & LANDING

Normal Procedures

Visual Traffic Pattern
Touch & Go Landing

Visual Traffic Pattern
One Engine Inoperative - Landing

ILS Approach
Autoland Procedure
Full Stop Landing
HSI Display - Map

TAXI-IN AND PARK

Normal Procedures

SUPPLEMENTARY NORMAL PROCEDURES

NON-NORMAL PROCEDURES

REMARKS Identify items that are incomplete or require additional training.

CAPT HABASHY HAS DEMONSTRATED SATISFACTORY SKILL IN ALL PRESCRIBED TRAINING MANEUVERS AND PROCEDURES AND IS RECOMMENDED FOR FLIGHT CHECK.

CAPTAIN EL HABASHY SATISFACTORILY COMPLETED 767 FLIGHT CHECK, READY FOR LINE TRAINING.

INSTRUCTOR [Signature] TRAINEE* [Signature] DATE 7 AUG 82

*Signature indicates that trainee is aware of remarks

Sep 01/82

5903

TRAINING RECORD - SUPPLEMENT

NAME _____ CREW POSITION _____

AIRLINE _____ TYPE _____

BRIEFING

APPROACH & LANDING

PREFLIGHT

SUPPLEMENTAL NORMAL PROCEDURES

ENGINE START

NON-NORMAL PROCEDURES

TAXI-OUT & TAKEOFF

CLIMB AND CRUISE

REMARKS Identify items that were incomplete or require additional training.

INSTRUCTOR _____ TRAINEE* _____ DATE _____

*Signature indicates that trainee is aware of remarks

Sep 01/82

5104

BOEING
COMMERCIAL AIRPLANE COMPANY

FLIGHT CREW TRAINING RECORD

NAME GAMIL EL BATOTY		AIRLINE/COMPANY EGYPT AIR	
CREW POSITION FIRST OFFICER	CLASS NO. EGP 767-2 #7	AIRPLANE MODEL AND SERIES 767	

GROUND TRAINING	HOURS	COMPLETION DATE MO/DA/YR	LOCATION	SIGNATURE SIGNIFYING SATISFACTORY COMPLETION
ACADEMICS (EXAM GRADE 97%)	68+00	08/08/89	SEATTLE, WA	Signature
CPT	+			
FMS/AT	+			
FBS	24+00	08/07/89	SEATTLE, WA	Signature
	+			

FLIGHT TRAINING	HOURS	COMPLETION DATE MO/DA/YR	LOCATION	SIGNATURE SIGNIFYING SATISFACTORY COMPLETION
IT (Inst. Trainer)	+			
FBS	6+00	08/11/89	SEATTLE, WA	Signature
FFS	+			
AIRPLANE	+			
	+			

FLIGHT CHECK	HOURS	COMPLETION DATE MO/DA/YR	LOCATION	SIGNATURE SIGNIFYING SATISFACTORY COMPLETION
FFS	+			
AIRPLANE	+			

DOCUMENTS USED IN TRAINING:

OPERATIONS MANUAL DX32T001-17MS

TRAINING MANUAL

FCT 767(TM)

NORMAL CHECKLIST

767-266

FLIGHT CREW TRAINING MANUAL

FCT 767(TM)

NON-NORMAL CHECKLIST

767-NC

DCAD0MA006

Page 27 of 43

Addendum # 1

CT-1 11/04/87 Rev. 1

Page 1 of 2

Applicable Procedure M7600-210

BOEING

COMMERCIAL AIRPLANE COMPANY

FLIGHT CREW TRAINING RECORD

NAME GAMIL EL BATOTY	AIRLINE/COMPANY EGYPT AIR
CREW POSITION FIRST OFFICER	AIRPLANE MODEL AND SERIES 767

FIXED BASE SIMULATOR					PRINT NAME INSTRUCTOR OR CHECK AIRMAN
DATE MO/DA/YR	DUTY CODE	BLOCK TIME	APPROACH		
			ILS	NP	
8/9/89	FOTR	2+00	3	1	WILLIAM D. TAFS, JR.
8/10/89	FOTR	2+00	4	1	WILLIAM D. TAFS, JR.
8/11/89	FOTR	2+00	3	-	WILLIAM D. TAFS, JR.
		+			
		+			
		+			
		+			
		+			
TOTALS		6+00	10	2	

FULL FLIGHT SIMULATOR					LANDINGS				PRINT NAME INSTRUCTOR OR CHECK AIRMAN
DATE MO/DA/YR	DUTY CODE	BLOCK TIME	APPROACH		DAY		NIGHT		
			ILS	NP	T&G	FS	T&G	FS	
		+							
		+							
		+							
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		+							
		+							
TOTALS		+							

AIRPLANE					LANDINGS				PRINT NAME INSTRUCTOR OR CHECK AIRMAN		
DATE MO/DA/YR	DUTY CODE	TIME			APP.		DAY			NIGHT	
		BLOCK	NIGHT	INST.	ILS	NP	T&G	FS		T&G	FS
		+	+	+							
		+	+	+							
		+	+	+							
		+	+	+							
		+	+	+							
		+	+	+							
TOTALS		+	+	+							

BOEING 757/767

TRAINING MANUAL

TRAINING RECORD FBS A - LESSON 1

NAME GAMIL EL BATOTY CREW POSITION FIRST OFFICER
AIRLINE EGYPT AIR TYPE 767 - 366

Briefing

Training Plan
Operating Philosophy

Approach & Landing

Demo

Preflight

Demo

Taxi-in & Park

Demo

Engine Start

Demo

Supplemental Normal Procedures

EICAS

Taxi-out & Takeoff

Demo

Systems Review

APU
EICAS
Electrical (Normal)
Lighting

Climb & Cruise

Demo

REMARKS

Complete. Very limited understanding of English.
Other pilot (Ashraf Aly) acting as translator.

INSTRUCTOR <u>R.A. Natch</u>	DATE <u>7/24/89</u>
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BOEING 757/767

TRAINING MANUAL

TRAINING RECORD FBS A - LESSON 2

NAME GAMIL EL BATOTY CREW POSITION F/O
AIRLINE EGP TYPE 767 - 366

Briefing

Scan Flow
Normal Procedures

Approach & Landing

Taxi-in & Park

Normal Procedures (Familiarization)

Preflight

Normal Procedures (Familiarization)

Supplemental Normal Procedures

Fuel
Power Plant (Starting)

Engine Start

Normal Procedures (Familiarization)

Systems Review

CDU Familiarization
Fuel
Power Plant
Pneumatics
Air Conditioning

Taxi-out & Takeoff

Climb & Cruise

REMARKS

INSTRUCTOR	<u>R.A. [Signature]</u>	DATE	<u>7/25/89</u>
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BOEING 757/767

TRAINING MANUAL

TRAINING RECORD FBS A - LESSON 3

NAME GAMIL EL BATOTY CREW POSITION F/O
AIRLINE EGP TYPE 767-366

Briefing

Normal Procedures
Autopilot
ADI and HSI

Approach & Landing

Taxi-in & Park

Normal Procedures

Preflight

Normal Procedures

Supplemental Normal Procedures

Autopilot
Inertial Reference System
Air Data Computer
Autoland Status Annunciator

Engine Start

Normal Procedures

Systems Review

FMC CDU - Familiarization
Autopilot - Introduction
Autothrottle - Introduction
Flight Instruments

Taxi-out & Takeoff

Climb & Cruise

REMARKS

Having great difficulty in memorizing procedures.

INSTRUCTOR ~~R. A. J. H. H.~~ DATE 7/26/89

BOEING 757/767

TRAINING MANUAL

TRAINING RECORD FBS A - LESSON 4

NAME GAMIL EL BATOY CREW POSITION F/O
AIRLINE EGP TYPE 767 - 300

Briefing

Flap - Speed Schedule
Bug Setting
Navigation Route

Approach & Landing

Normal Procedures

Taxi-in & Park

Normal Procedures

Preflight

Normal Procedures

Supplemental Normal Procedures

Engine Start

Normal Procedures

Systems Review

Autopilot - Modes

Taxi-out & Takeoff

Normal Procedures

Climb & Cruise

Normal Procedures

REMARKS

Unable to perform any procedures (pre-flight, post-flight, CDU/FMC) without help.

INSTRUCTOR

~~R.A. [Signature]~~

DATE 7/27/89

BOEING 757/767
TRAINING MANUAL

TRAINING RECORD FBS A - LESSON 5

NAME GAMIL EL BATOUTY CREW POSITION F/O
AIRLINE EGP TYPE 767-366

Briefing
FMS Navigation
Auto Flight
Flight Instruments

Climb & Cruise
Normal Procedures
CDU Practice

Preflight
Normal Procedures

Approach & Landing
Normal Procedures

Engine Start
Normal Procedures

Taxi-in & Park
Normal Procedures

Taxi-out & Takeoff
Normal Procedures
Partial FMS L-NAV Only

Systems Review
FMS L-NAV Introduction
CDU Pages

REMARKS

Unable to perform any procedures without help.
Having great difficulty with English.

INSTRUCTOR R.A. [Signature] DATE 7/28/89

BOEING 757/767
TRAINING MANUAL

TRAINING RECORD FBS A - LESSON 6

NAME GAMIL EL BATOY CREW POSITION F/O
AIRLINE EGP TYPE 767 - 366

Briefing

L-NAV, V-NAV Navigation
Route Changes
Use of Anti-Ice

Climb & Cruise

Normal Procedures
CDU Practice

Preflight

Normal Procedures

Approach & Landing

Normal Procedures

Engine Start

Normal Procedures
Manual Override Start

Taxi-in & Park

Normal Procedures

Supplemental Normal Procedures

Taxi-out & Takeoff

Normal Procedures
Full FMS Navigation
Wing Anti-Ice

REMARKS

Unable to perform any procedures without help.
Slight improvement in pre-flight and post-flight
procedures.

INSTRUCTOR [Signature] DATE 7/31/89

BOEING 767/787

TRAINING MANUAL

TRAINING RECORD FBS A - LESSON 7

NAME GAMIL EL BATOTY CREW POSITION F/O
AIRLINE EGP TYPE 767 - 366

Briefing

FMS Navigation
CDU Normal Procedures

Approach & Landing

Normal Procedures

Preflight

Normal Procedures

Taxi-in & Park

Normal Procedures

Engine Start

Normal Procedures
Aborted Start

Supplemental Normal Procedures

Non-Normal Procedures

Electrical System

Taxi-out & Takeoff

Normal Procedures
Full FMS Navigation

Systems Review

Electrical (Non-Normal)

Climb & Cruise

Normal Procedures
CDU Practice

REMARKS

Improving slowly. Excellent attitude and effort.

Pre-flight procedures satisfactory. Still making numerous mistakes in post-flight procedures, and in-flight procedures.

Still needs help on all CDU procedures.

INSTRUCTOR [Signature] DATE 8/1/89

BOEING 757/767
TRAINING MANUAL

TRAINING RECORD FBS A - LESSON 8

NAME GAMIL EL BARDY CREW POSITION F/O
AIRLINE EGP TYPE 767-366

Briefing
FMS CDU (No Company Route)

Approach & Landing
Normal Procedures
Altitude Restriction

Preflight
Normal Procedures
External Power and Air

Taxi-in & Park
APU Fire
Passenger Evacuation

Engine Start
Normal Procedures
Aborted Start

Supplemental Normal Procedures
Fuel

Taxi-out & Takeoff
Normal Procedures

Non-Normal Procedures
Power Plant
FMC

Climb & Cruise
Normal Procedures
CDU Practice

Systems Review
Power Plant (Non-Normal)

REMARKS
No apparent improvement from lesson 7.

INSTRUCTOR ~~R.A. [Signature]~~ DATE 8/2/89

BOEING 767/787

TRAINING MANUAL

TRAINING RECORD FBS A - LESSON 9

NAME GAMIL EL BATOTY CREW POSITION F/O
AIRLINE EGP TYPE 767-366

Briefing

FMS Normal Procedures
Manual Flap & Gear Extension

Approach & Landing

Hydraulic System Inop Landing
Alternate Gear & Flap Extension

Preflight

Normal Procedures

Taxi-in & Park

Engine Fire After Landing
External Power

Engine Start

Normal Procedures
Aborted Start

Supplemental Normal Procedures

Non-Normal Procedures

IRS
Hydraulic System

Taxi-out & Takeoff

Normal Procedures
Wheel Well Fire

Systems Review

Hydraulically Powered Systems
Flight Controls (Non-Normal)

Climb & Cruise

Normal Procedures
Holding
Speed Schedules

REMARKS

Slight improvement in all areas. Pre and post-flight procedures satisfactory.

Still needs direction / translation in all areas of FMC/CMU procedures except POS INIT, ROUTE and PERF INIT pages.

Unable to perform approach procedures without help.

INSTRUCTOR ~~R.A. NATH~~ DATE 8/3/89

BOEING 767/787
TRAINING MANUAL

TRAINING RECORD FBS A - LESSON 10

NAME GAMIL EL BATOUTY CREW POSITION F/O
AIRLINE EGP TYPE 767-366

Briefing

FMS Normal Procedures
Missed Approach
Holding

Approach & Landing

Normal Procedures
Missed Approach - L NAV
Holding

Preflight

Normal Procedures

Supplemental Normal Procedures

Inflight Diversion

Engine Start

Normal Procedures
Starter Cutout
Engine Anti-Ice

Non-Normal Procedures

Environmental Control
Flight Controls

Taxi-out & Takeoff

Normal Procedures
Wing Anti-Ice

Systems Review

Environmental Control
Flight Controls

Climb & Cruise

Normal Procedures

REMARKS

Pre-flight and post-flight procedures continue to improve. Virtually no improvement in other areas.

Extra 2 hour simulator session conducted on Sat. Aug. 5th. Significant improvement in every area. All emphasis was on CDU and approach procedures. 8/5/89.
R. A. [Signature]

INSTRUCTOR

[Signature]

DATE

8/4/89

BOEING 757/767
TRAINING MANUAL

TRAINING RECORD FBS A - LESSON 11

NAME GAMIL EL BATOTY CREW POSITION F/O
AIRLINE EGP TYPE 767 - 366

Briefing

FMS Navigation Route
Normal Procedures

Approach & Landing

Normal Procedures
Engine Anti-Ice

Preflight

Normal Procedures

Taxi-in & Park

Normal Procedures

Engine Start

Normal Procedures
Aborted Start
Engine Anti-Ice

Supplemental Normal Procedures

Non-Normal Procedures

Cargo Fire

Taxi-out & Takeoff

Normal Procedures
Temporary Altitude Restriction

Climb & Cruise

Normal Procedures
Changing Schedules

REMARKS

Was unable to perform any CDU/FMC procedures without help. When pilot flying did not perform approach procedures, did not arm the approach or descend to G/S capture altitude when cleared for the approach. Behind the airplane during entire flight.

INSTRUCTOR <u>[Signature]</u>	DATE <u>8/7/89</u>
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BOEING 767/787
TRAINING MANUAL

TRAINING RECORD FBS B - LESSON 1

NAME GAMIL EL BATOTY CREW POSITION FIRST OFFICER
AIRLINE EGYPT AIR TYPE 767-366

Briefing

- ✓ Use of AFDS/TMS/FMS

Preflight

- ✓ Review Route and Weather
- ✓ Takeoff Data
- ✓ Rated Thrust
- ✓ Panel Scan
- ✓ CDU Practice
- ✓ Cost Index Effects
- ✓ Compare Map vs Actual Position

Engine Start

- ✓ Review Start Characteristics

~~HOT START~~
~~NO STARTER CUTOUT~~
Taxi-out & Takeoff

- ✓ Use of AFDS for Takeoff and Departure
- ✓ Rotation and Initial Climb
- ✓ Maneuvering Speeds/Flap Retraction Schedule

Climb & Cruise

- ✓ L-NAV/V-NAV Use
- ✓ Area Departure
- ✓ Speed Intervention
- ✓ Altitude Range Arc
- ✓ ADI Mode Annunciations
- ✓ V-NAV Cruise Climb/Descent
- ✓ HSI - Route Verification
- ✓ Speed Intervention
- ✓ Change Cost Index
- ✓ Top of Descent Advisory

Approach & Landing

- ✓ V-NAV
- ✓ Altitude Range Arc
- ✓ Speed Intervention
- ✓ Maneuvering Speeds/Flap Extension Schedule
- ✓ ILS 32R (3)
 - ✓ Procedure Turn Expansion
 - ✓ Multiple Autopilot - Arming Engaged
 - ✓ LOC/GS Capture

Missed Approach - Automatic Go-Around

- ✓ L-NAV/HDG SEL Use
- ✓ Reversion to Single Autopilot
- ✓ Flap Retraction/Speed Schedule
- ✓ Altitude Capture

✓ Holding

- ✓ Holding Pattern Expansion
- ✓ Exit Holding/Next Hold

✓ VOR 32R

- ✓ Use of Autopilot
- ✓ Manual VOR Tuning/HSI Display
- ✓ Use of Heading Select
- ✓ Use of L-NAV
- ✓ MAP/VOR Display Requirements
- ✓ Full Stop Landing

Taxi-in & Park

- ✓ Normal Procedures

REMARKS

F.O. EL BATOTY STILL REQUIRES HELP IN PERFORMING ANY FINE CDU PROCEDURES. WHEN PERFORMING BASIC AUTOPILOT FUNCTIONS HE SEEMS HESITANT AND VERY SLOW TO RECOGNIZE CHANGES. DURING ALL APPROACHES HE WAS SLOW TO BRIEF AND CALL FOR CHECKLISTS. CAPT EL NEGOMEI OBSERVED TRAINING.

INSTRUCTOR WILLIAM D. TAFS, JR.

DATE 8/9/89

BOEING 757/767

TRAINING MANUAL

TRAINING RECORD FBS B - LESSON 2

NAME GAMIL EL BATOTY CREW POSITION FIRST OFFICER
 AIRLINE EGYPT AIR. TYPE 767 - 366

Briefing

- Continued concentrated CDU practice aimed at achieving reasonable student proficiency with CDU entries and manipulation of data. Re-enforcement of precision and non-precision approach procedures using the autoflight system.

Climb & Cruise

- V-NAV
- CDU Climb Speed Change
- Cruise Climb
- Change Cruise Speed Then Back to ECON
- Cruise Descent
- Direct To - Area Arrival With Transition. Select VOR Approach

Preflight

- Review Route & Weather
- Normal Procedures
- CDU Practice
 - Route Discontinuity
 - LEGS Page - Sequencing/Deletion
 - Direct To/Intercept Leg To
- CDU Page for Departure
- Derated Thrust (50°C)

Approach & Landing

- FLCH
- Use of FIX Page to Determine Crossing Radial and Entry as Waypoint on Legs Page
- Hold at IAF
- Exit Hold
- VOR Approach
 - AFDS, L-NAV
 - RAP/VOR Display Requirements
 - Altitude Select Use
 - MDA Level Off
 - Go-Around Procedure
 - Maneuvering Speeds/Flap Retraction
 - MCP Use - L-NAV/HDG SEL/V-NAV
- ILS AFDS 32R (4)
 - CDU Approach Entry
 - Intercept Leg
 - Heading Select Use During Vectoring
 - Autoland

Engine Start

- Normal Procedures
- Aborted Start
- HOT START

Taxi-in & Park

- Normal Procedures

Taxi-out & Takeoff

- Normal Procedures
- Noise Abatement
- Maneuvering Speeds/Flap Retraction Schedule
- AFDS
- Low Altitude Level Off (2,000 Feet AGL)

REMARKS

Normal Procedures

F.O. EL BATOTY SHOWED SOME IMPROVEMENT TODAY, STILL SLOW TO MAKE ANY CHANGES IN FMC CDU AND BASIC AUTOPILOT CHANGES. CAPT EL NEAMEI EGYPT AIR INSTRUCTOR CAPTAIN HAS OBSERVED TRAINING AND HAS HELPED THE PAST TWO DAYS, I BELIEVE MOST OF THE PROBLEMS ARE ENGLISH TRANSLATION PROBLEMS.

INSTRUCTOR <u>William D. TAFS, JR</u>	DATE <u>8/10/89</u>
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BOEING 767/787
TRAINING MANUAL

TRAINING RECORD FBS B - LESSON 3

NAME GAMIL EL BATOTY CREW POSITION FIRST OFFICER
AIRLINE EGYPT AIR TYPE 767-366

Briefing

- Autoflight Climb, Cruise and Descent
- CDU Route Entry and Modification

Preflight

- Review Route and Weather
- Review Takeoff Data
- Enter Present Position Using IRS Mode Panel
- Load and Activate RTE 1
- Load RTE 2
- Derated Thrust

Engine Start

- Normal Procedures
- ~~HOT START~~

Taxi-out & Takeoff

- Normal Procedures
- AFDS

Climb & Cruise

- Normal Procedures
- L-NAV/V-NAV
- Top of Climb/Descent
- Route Discontinuity

Approach & Landing (Yakima)

- ILS 27 AFDS
- Heading Select Through Procedure Turn
- Full Stop Landing
- Quick Alignment IRS, Activate RTE 2, enter New Cruise Altitude

Takeoff

- AFDS
- Flaps 20
- Review Takeoff Data
- Area Departure (Yakima Four)
- Sequencing of Legs

Climb, Cruise & Descent

- L-NAV/V-NAV
- Area Arrival, Transition

Approach & Landing (Moses Lake)

- ILS Approach
- AFDS
- Missed Approach
- Cleared to New Destination
- Change Destination on Active RTE

Climb & Cruise (Diversion)

- FLCH Climb
- 340K Cruise
- ADI Mode Annunciations
- Offset Route
- FLCH Descent

Approach & Landing (Boeing Field)

- Duval 3 Arrival
- ILS 13R Autoland
- Full Stop Landing

Taxi-in & Park

- Normal Procedures

REMARKS

F.O. EL BATOTY MADE SIGNIFICANT PROGRESS TODAY
STILL NEEDS MORE WORK ON USE OF BASIC
AUTOFLIGHT SYSTEM. CAPTAIN EL NOBANY WILL
CONTINUE TRAINING IN FFS IN JAPAN. ALL PROCEDURES
GOOD TODAY.

INSTRUCTOR <u>WILLIAM D. TAFS, JR.</u>	DATE <u>8/11/89</u>
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**Copy of EgyptAir Flight 990
Loadsheet**

LOADSHEET
ALL WEIGHTS IN KILOS

CHECKED

APPROVED EDNO
EL HABASHY 3

2/19/176 85462

FROM/TO FLIGHT	A/C REG	VERSION	CREW	DATE	TIME
JFK CAI MSH0990/30	BUGAP	010/022/185	4/10	31OCT99	0030
	WEIGHT		DISTRIBUTION		
LOAD IN COMPARTMENTS	11681	1/2886	2/2509	3/3480	4/1400
		5/1406			
PASSENGER/CABIN BAG	15501	195/0/2/2	TTL 199		
		FCY 2/19/176	SDC 0/0/0		
TOTAL TRAFFIC LOAD	27182	<i>9/19/174</i>			
DRY OPERATING WEIGHT	91169				
ZERO FUEL WEIGHT ACTUAL	118351	MAX	130634	ADJ	
TAKE OFF FUEL	63000				
TAKE OFF WEIGHT ACTUAL	181351	MAX	181406	L	ADJ
TRIP FUEL	53000				
LANDING WEIGHT ACTUAL	128351	MAX	145149	ADJ	

BALANCE AND SEATING CONDITIONS

OOI 44.2
LIZFW 55.0 MACZFW 24.9
MACLOW 22.0
MACLHW 23.6
DLI 42.4
QA 2.00 19.00 176.

LAST MINUTE CHANGES

DEST SPEC	CL/CPT	WEIGHT
CAI...2.A...	F/C	+15.0
CAI...2.A...	F/C	+15.0
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UNDERLOAD BEFORE LMC 55 LMC TOTAL

LOADMESSAGE AND CAPTAIN'S INFORMATION BEFORE LMC
-CAI. 195/2/2. Y116R1. 1/2886. 2/2509. 3/3480. 4/1400. 5/1406
-PAX/2/19/176
SI CAI. B 252/6253. C NIL/2509. M NIL/NIL. TR 2919