



Flight Navigation Procedure Trainer

ENHANCED MULTI CREW TRAINING TO AIRLINE PILOT STANDARDS



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COURSE DETAILS

DURATION	STRUCTURE	DEVICE	LOCATION	PRICE
15 days in 3 weeks	40 hours theory 40 hours simulator	A320 based FNPT II MCC sim.	Budapest – Pilots Simulator Center	5.499 EUR/person with a partner 6.499 EUR/person without a partner

ENTRY REQUIREMENTS:

- Minimum age is 18 years
- Valid EASA CPL/IR and ME/IR
- ICAO English Level 4 or higher

STRUCTURE OF THE COURSE

	SESSION ID	DURATION
DAY 1-5	THEORY	8 AM – 5 PM, 8 hr/day
DAY 6-15	SIM1 – SIM 10	1 hr briefing, 4 hr of flying, 30 min debriefing
DAY 7	SIM2 – JET TR 2	1 hr briefing, 4 hr of flying, 30 min debriefing
DAY 8	SIM3 - JET TR 3	1 hr briefing, 4 hr of flying, 30 min debriefing
DAY 9	SIM4 – FAM MCC 1	1 hr briefing, 4 hr of flying, 30 min debriefing
DAY 10	SIM5 – ADV MCC 2	1 hr briefing, 4 hr of flying, 30 min debriefing
DAY 11	SIM6 – ADV MCC 3	1 hr briefing, 4 hr of flying, 30 min debriefing
DAY 12	SIM7 – ADV MCC 4	1 hr briefing, 4 hr of flying, 30 min debriefing
DAY 13	SIM8 – ADV MCC 5	1 hr briefing, 4 hr of flying, 30 min debriefing
DAY 14	SIM9 – AAOST 1	1 hr briefing, 4 hr of flying, 30 min debriefing
DAY 15	SIM10 – AAOST 2	1 hr briefing, 4 hr of flying, 30 min debriefing
		Σ 40 hr of theory + Σ 40 hr of flying



CONTENT

THEORETICAL KNOWLEDGE INSTRUCTION

THEORY DAY 1	THEORY DAY 2
08.00-10.00 Aerodynamics, Jet Engines, High alt flying	08.00-08.30 The Human Element
10.00-12.00 FBW, Handling inertia, Side Stick	08.30-09.00 Communication
12.00-13.00 Lunch break	09.00-09.30 Decision Making
13.00-13.00 Flap logic, Thrust lever gates	09.30-10.30 Situational Awareness
14.00-15.00 PFD/ND, Raw Data basics	10.30-11.30 Teamwork, Leadership, Followership
15.00-16.00 45° Turns, Check list, Flows/triggers	11.30-12.00 Threat and Error Management (TEM)
16.00-17.00 Basic system descriptions, Mockup Trainer	12.00-13.00 Lunch break
	13.00-14.00 The Operation of Multi Crew Aircrafts
	14.00-14.30 Division of Duties
	14.30-15.00 Procedures
	15.30-16.00 Checklists
	16.00-17.00 FMA/FCU/ECAM/AP-TO PB Description



CONTENT

THEORETICAL KNOWLEDGE INSTRUCTION

THEORY DAY 3	THEORY DAY 4
08.00-09.00 FMC basic description	08.00-09.00 Time and Fuel Management
09.00-10.00 Normal callouts and Deviation calls	09.00-10.00 PA/NPA Approach Description
10.00-11.00 Control and Communication Handover	10.00-12.00 Standard Operating Procedures
11.00-12.00 Baro Ref setting procedures	12.00-13.00 Lunch break
12.00-13.00 Lunch break	13.00-14.00 Rejected Take Off Procedures
13.00-14.00 Briefing General	14.00-14.30 TCAS Procedure
14.00-15.00 Lido	14.30-15.30 Emergency Descend
15.00-16.00 EFB	15.30-17.00 Questions
16.00-17.00 F-DODAR, NITS Briefings	

CONTENT

THEORETICAL KNOWLEDGE INSTRUCTION

THEORY DAY 5

- 08.00-09.00 Airline Structures, Operation Manuals
- 09.00-10.00 Performing a Flight for an Airline
- 10.00-12.00 on Time Performance, Economy
- 12.00-13.00 Lunch Break
- 13.00-14.00 Performance Calculation
- 14.00-14.30 Flight Preparation, Analyzing Wx, Notam...
- 14.30-15.30 Communicating to Cc, Atc, Pax, Company
- 15.30-17.00 Questions and Test





CONTENT

SIMULATOR SESSIONS

SESSION ID	DESCRIPTION & SCHEDULE
SIM 1 – JOC	jet engine management, energy management, manual flight path management, pitch/thrust flight, etc
SIM 2 – JOC	advanced flight path management - turning climb/descent, out of protection flight, extreme altitudes, high MACH training, etc.
SIM 3 – FAM	basic A/T management, ECAM work, FCU work, presentation of the "specialities" of the FBW aircraft, ECAM basics. Showing the DODAR without time pressure, very simple malfunctions on the ground, decision making, etc.
SIM 4 – MCC1	multi-crew cooperation and threat and error management basics, various failure scenarios, ECAM work with level 1 malfunctions, various approach types, go-around management with and without failures, workload management, safe flight basics
SIM 5 – MCC2	bad weather scenarios, more complex failures, etc
SIM 6 – LOFT1	full LOFT session, with many recoverable malfunctions, operational flight plan use, decision making, heavy workload situations
SIM 7 – LOFT 2	full LOFT sessions, unrecoverable malfunctions, rapid decompression, NPA approaches, etc



CONTENT

SIMULATOR SESSIONS

SESSION ID	DESCRIPTION & SCHEDULE
SIM1 – JET TR 1	Raw Data Airwork, Jet A/C flying exercises - 2 hours PF, 2 hours PM (change at half-time)
SIM2 - JET TR 2	Raw Data Airwork, Jet A/C flying exercises - 2 hours PF, 2 hours PM (change at half-time)
SIM3 - JET TR 3	Raw Data Airwork, Jet A/C flying exercises - 2 hours PF, 2 hours PM (change at half-time)
SIM 4 – MCC1 FAM	Aircraft familiarization, system knowledge - 2 hours PF, 2 hours PM (change at half-time)
SIM 5 – ADV MCC2	Airwork exercises, briefings, callouts - 2 hours PF, 2 hours PM (change at half-time)
SIM 6 – ADV MCC3	Airwork with OFP, failures, situational awareness - 2 hours PF, 2 hours PM (change at half-time)
SIM 7 – ADV MCC4	LOFT with OFP, complex failures, time pressure - 2 hours PF, 2 hours PM (change at half-time)
SIM 8 – ADV MCC5	LOFT with OFP, complex failures, use of DODAR - 2 hours PF, 2 hours PM (change at half-time)
SIM 9 – AAOST1	Advanced Airline Operation Scenario Training - 2 hours PF, 2 hours PM (change at half-time)
SIM 10 – AAOST2	AOS Training and Examination - 2 hours PF, 2 hours PM (change at half-time)