



Flight Navigation Procedure Trainer

MULTI CREW COOPERATION AND JET ORIENTATION COMBINED COURSE



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COURSE DETAILS

DURATION	STRUCTURE	DEVICE	LOCATION	PRICE
11 days in 2 weeks	28 hours theory 28 hours simulator	A320 based FNPT II MCC sim.	Budapest – Pilots Simulator Center	3.245 EUR/person if you apply with a partner 3.499 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	JOC THEORY	4 hrs
DAY 2	SIM1 – JOC1	1 hrs briefing, 4 hrs of flying, 1 hrs debriefing
DAY 3	SIM2 – JOC2	1 hrs briefing, 4 hrs of flying, 1 hrs debriefing
DAY 4	MCC THEORY 1	8 hrs
DAY 5	SIM3 - FAM	1 hrs briefing, 4 hrs of flying, 1 hrs debriefing
DAY 6	MCC THEORY 2	8 hrs
DAY 7	SIM4 – MCC1	1 hrs briefing, 4 hrs of flying, 1 hrs debriefing
DAY 8	SIM5 – MCC2	1 hrs briefing, 4 hrs of flying, 1 hrs debriefing
DAY 9	MCC THEORY 3	8 hrs
DAY 10	SIM6 – LOFT1	1 hrs briefing, 4 hrs of flying, 1 hrs debriefing
DAY 11	SIM7 – LOFT2	1 hrs briefing, 4 hrs of flying, 1 hrs debriefing
		Σ 28 hrs of theory + Σ 28 hrs of flying



CONTENT

THEORETICAL KNOWLEDGE INSTRUCTION

JOC THEORY	MCC1 THEORY
09:00 Introduction & administration	09:00 The Human element and SHELL model
09:30 Overview and description of jet aircraft	11:00 The Human element – Interfaces
10:00 Aerodynamics, high-altitude handling of jets	11:30 The Human element – the SHELL in MCC
11:00 Approach and go-around considerations	12:30 Lunch Break
12:00 Other topics (noise abatement, abnormal procedures, etc.)	13:30 Communication – means and methods
12:30 Simulator-specific advices, mock-up trainer	15:30 Communication – Barriers to understanding
13:00 Discussion and session ends	17:30 Discussion and session ends



CONTENT

THEORETICAL KNOWLEDGE INSTRUCTION

MCC2 THEORY	MCC3 THEORY
09:00 Decision making	09:00 Threat and Error Management (Management Tools)
11:00 Problem solving	09:30 Multi crew aircraft
12:30 Lunch Break	10:00 Standard operating procedures (SOPs)
13:30 Situational awareness	11:00 Checklists and callouts
14:30 Levels of situational awareness	12:00 In cockpit briefings
15:30 Teamwork	12:45 Lunch Break
16:30 Leadership & Followership	13:30 Rejected take off procedures
17:30 Threat and Error Management (Threats, Errors & UAS)	14:00 Crew co-ordination procedures
18:00 Discussion and session ends	15:00 Cockpit layout – Mock-up trainer
	16:00 Flight deck familiarization, practice of callouts, flows
	18:00 Session ends



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