

## C Series



# Dispatcher Training

### Course Introduction

Training Concept Ops Engineering	Learning objectives, methods and examination Definition of tasks and responsibilities Development of procedures and standards Requirements for Data-Base, Application and Interface Documentation and QM Aircraft Models: CS100 and CS300 (BD-500) 3 days course.
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### Aircraft Limitations and Operational

Masses	MTOM, MLM, MZFM, MTM
Environmental Limitations	OAT, CWC/HWC, Elevation, Altitudes, Latitude
RWY	Minimum Width for TKOS&LDG, Lineup, Turn
Operational Aspects	Minimum Turn Around Times Tankering and Break Even Push Back Procedures Handling Limitations

### Documents

### Aircraft Limitations and Operational

AOC-requirements	Responsibility Operation Manuals, Specific Manuals Handling, Amendment, Application
Certificates and documents OM-A (FOM)	Insurance, airworthiness, liability, noise Responsibility and content Operational procedures Specific Regulations for C-Series
OM-B (AOM)	FCOM/AFM/FPPM/MMEL SOP's

### Take Off Performance

T/O distances and length	TORA, ASDA, TODA Clearway, Stopway
T/O flight path	T/O segments and AFP, NFP climb gradients
Speeds	VMCG, VEF, V1, VR, V2 Balanced V1
Power Setting	Reduced T/O power, Climb power, MCT, Flex Temp
A/C configuration and system settings	Flaps, Gear Packs, WAI, NAI
Limitation	Field length, Brake, Tire, Obstacle, Climb
Factors of influence	PA, OAT, Wind, RWY condition

<b>Airport Selection Criteria</b>	RFFS Pavement strength	OM-A Min., ICAO-Min. ACN/PCN LCN GW-Calculation, factors of influence	
	Instrument Approach	NAV-aids and procedures ILS Categorys Non Precision Landing-/Planning Minima	
	Crew Qualification	License, Allowance Training concepts, Documentation	
<b>Aircraft Systems and Engines</b>	OM-B (AOM) documentation	System Discription Limitations Graphs and tables Use of the MEL-CDL	
	Aircraft systems	Air conditioning Auto Flight Ice and Rain Protection Landing Gear Navigation  Oxygen Pneumatic APU Engine Flight Controls Fuel	ACM, Pressure Control A/P and FD, AWO WAI, NAI, TAT-probe, Window heat Brakes, Wheels, Anti Skid Speed indication, GPWS, TCAS, FMS, RVSM, MNPS Crew- Passenger Oxygen Eng- APU bleed, HP bleed Power source, APU cold start Fuel, Ignition, Bleed Air, Indicating, Exhaust Primary, secondary ftt ctrl, Yaw damper Re-/defuelling, tanks, pumps, filter, fueltemp
	Exercise MEL/CDL		
<b>Cruise Performance</b>	Basic aerodynamics	Thrust, drag, weight, lift, AoA	
	Definitions	Endurance, Specific Range, Maximum Range	
	Speeds	MRC, LRC, ECON Cruise, Fixed speed, VMO Speed selection criteria	
	Altitudes	Optimum, Maximum, Trading factor	
<b>Landing Performance</b>	Landing distances	RLD, ALD, Factoring	
	Inflight limitations	Approach climb weight Landing climb weight	
	Factors of influence	Dry, wet, contamination, OAT, PA Speed, Landing, Mass, Slope Configuration and MEL/CDL-items	
<b>Flightplanning</b>	Fuel policy and the criteria	Reclearance procedure Pre-determined point procedure Alternate fuel Final reserve Trip fuel Contingency fuel and options Tankering	
	Operational Limitations	WX-minima for T/O, Landing, Planning minima Crew qualification Aircraft certification and status Airport facilities, Precision-, Non-precision approaches	
	HF inop, LRNS inop		
	Direct operating costs	Variable and fixed costs Time costs Cost index- versus fixed speed operation	
	Configuration and MEL/CDL- itmes		

## Mass and Balance Refresher in View of Flight planning

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Definitions of mass/weight	TOM, LM, DOM, Load, ZFM, TOF, TF
Mass limits	MTOM, MLM, MZFM
Center of Gravity	Definition and Calculation
	Index and operational envelope
Allowed Traffic Load	Examples on LS of C-Series
Exercise	

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## Special Performance

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One Engine Out, Drift Down
Decompression
Gear down

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