

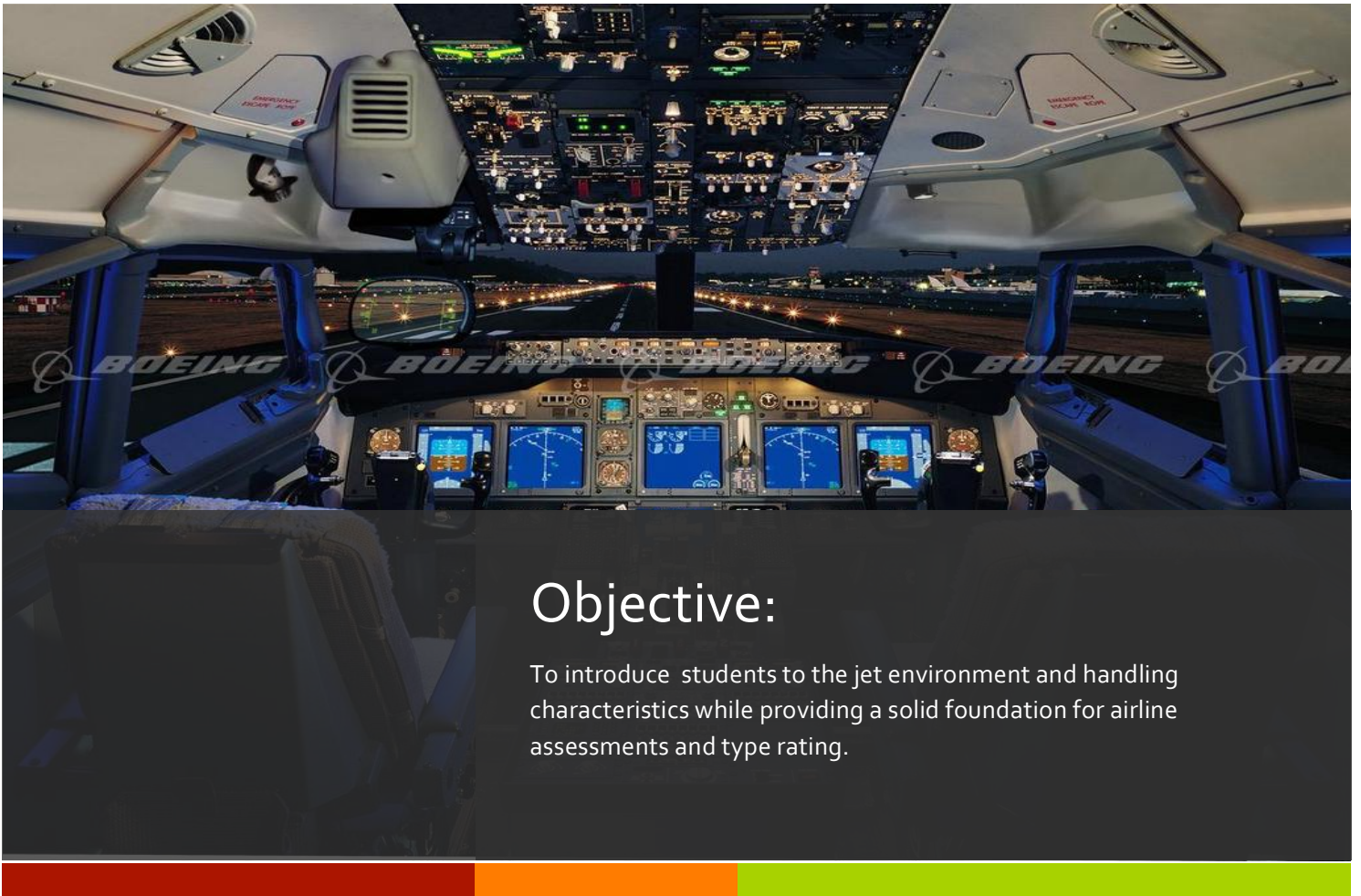
JOC

Jet Orientation Course



Ambassadair 
Enjoy Now ✈️ Get Ready for the Future


FLIGHT SENSATIONS



Objective:

To introduce students to the jet environment and handling characteristics while providing a solid foundation for airline assessments and type rating.

The JOC is divided in a one day ground course and 3 double simulator sessions. The simulator sessions will introduce you to the handling characteristics of the jet and also to the most common normal and non-normal profiles.

The **ground course syllabus** includes:

- Propeller/jet differences
- Jet handling characteristics at various altitudes
- Modern jet aircraft systems
 - Automation and full use of autopilot systems for all phases of flight
- Electronic Flight Instrument System (EFIS)
- Take-offs and all other profiles
- Air work
- Approach and landing
- Go-around and rejected takeoff
- Flight deck management
- Emergency procedures
- Jet airline operational procedures and enhanced MCC
- Wind shear and terrain escape maneuvers

The simulator course structure:

Day	Session	Briefing	Time
1	1	Airport / Runway: EGSS / 22 <ul style="list-style-type: none"> • Take-off, flap retraction and level-off • Take-off, flap retraction and level-off. Radar vectors downwind • Use (and misuses) of rudder in a jet aircraft • Speed increase and speed decrease • Climb at given rate (e.g. 1500ft/min) at 220kts • Steep turns • Descent management • Radar vectors, raw data (visual) to land • Reposition on approach for a second landing (time permitting) 	Briefing 1hr
	2	Airport / Runway: EGSS / 22 <ul style="list-style-type: none"> • Take-off from EGSS 22 with SID, level-off 6,000ft • Low altitude stall • Scenario: ATC change plan whilst flying manual thrust leading to low alt stall • Repos to FL 350 • High altitude stall (FL350) • High altitude stall - investigation of secondary stall • MMO/VMO overspeed • Expediting climb/descent (emergency descent profile) • Repos downwind then vectors (IMC) • ILS approach with go around. Combination of ILS approaches (missed/land) 	Simulator 4hr Debriefing 1hr
2	3	Airport / Runway: LFMN / 04R <ul style="list-style-type: none"> • Take-off, flap retraction and level-off • WX thunderstorm avoidance • Terrain escape • Descent management (ATC keeps high) • NDB approach to land (If time, repos for visual landing) 	Briefing 1hr
	4	Airport / Runway: EHAM / 27 <ul style="list-style-type: none"> • Rejected take-offs: Normal and low visibility (400m) • Engine failures: After V1 • Vectors single engine, ILS to go around • Repos single engine, ILS to land • Demo: CAT III A autoland 	Simulator 4hr Debriefing 1hr
3	5	Airport / Runway: EDDH / 23 <ul style="list-style-type: none"> • Crosswind take-off, flap retraction and level-off • TCAS • ILS and missed approach due to windshear • ILS and/or NDB approach, crosswind landing 	Briefing 1hr Simulator 4hr
	6	Consolidation: Airline assessment preparation	Debriefing 1hr
		TOTAL	18hrs



JOC COURSE SYLLABUS

V.1.0 October 2016.

