



**Flight Operations Standards Department**  
**General Aviation & Training Section**  
**Flight Dispatcher Oral knowledge Examination Application Form**  
**AC28-04-007**

**A. FOR APPLICANT USE ONLY**

**1. Personal Details.**

• Applicant Name			
• Address			
• Mobile Tel. No			
• Date & Place of Birth		• Nationality	
• I hereby declare that the information given in this form is true, correct & completed.			• Applicant Signature
• Examination Date			

**2. Aircraft Dispatcher Oral Knowledge examination.**

Examination Subject	Examination Result	
	pass	fail
<b>1. Civil Air Law and Regulations</b>		
A. Certification of Operators		
B. The Convention on International Civil Aviation (Chicago Convention)		
C. International air transport issues addressed by the Chicago Convention		
D. The International Civil Aviation Organization (ICAO)		
E. Responsibility for aircraft airworthiness		
F. The operations manual		
<b>2. Aviation Indoctrination</b>		
A. Regulatory		
B. Aviation terminology and terms of reference		
C. Theory of flight and flight operations		
D. Aircraft propulsion systems		
E. Aircraft systems		
<b>3. Aircraft Mass (weight) and Performance</b>		
A. Basic principles for flight safety		
B. Basic mass (weight) and speed limitations		
C. Take-off runway requirements		
D. Climb performance requirements		
E. Landing runway requirements		
F. Buffet boundary speed limitations		
<b>4. Navigation</b>		
A. Position and distance; time		
B. True, magnetic and compass direction; gyro heading		
C. reference and grid direction		
D. Introduction to chart projections: The gnomonic		
E. projection; the Mercator projection; great circles on		
F. Mercator charts; other cylindrical projections; Lambert		
G. conformal conic projection; the polar stereo graphic		
H. projection		
A. ICAO chart requirements		
B. Charts used by a typical operator		
C. Measurement of airspeeds; track and groundspeed		
D. Use of slide-rules, computers and scientific calculators		
E. Measurement of aircraft altitude		




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F. Point of no return: critical point; general determination of		
G. aircraft position		
H. Introduction to radio navigation; ground-based radar and		
I. direction-finding stations; relative bearings; VOR/DME -		
J. type radio navigation; instrument landing systems		
K. Navigation procedures		
L. ICAO CNS/ATM systems (an overview)		
<b>5. Air Traffic Management</b>		
A. Introduction to air traffic management		
B. Controlled airspace		
C. Flight rules		
D. ATC clearance: ATC requirements for flight plans; aircraft		
E. reports		
F. Flight information service (FIS)		
G. Alerting service and search and rescue		
H. Communications services (mobile, fixed)		
I. Aeronautical information service (AIS)		
J. Aerodrome and airport services		
<b>6. Meteorology</b>		
A. Atmosphere; atmospheric temperature and humidity		
B. Atmospheric pressure; pressure-wind relationships		
C. Winds near the Earth's surface; wind in the free		
D. atmosphere; turbulence		
E. Vertical motion in the atmosphere; formation of clouds		
F. and precipitation		
G. Thunderstorms; aircraft icing		
H. Visibility and RVR; volcanic ash		
I. Surface observations; upper-air observations; station		
J. model		
K. Air masses and fronts; frontal depressions		
L. Weather at fronts and other parts of the frontal depression;		
M. other types of pressure systems		
N. General climatology; weather in the tropics		
O. Aeronautical meteorological reports; analysis of surface		
P. and upper-air charts		
Q. Prognostic charts; aeronautical forecasts		
R. Meteorological service for international air navigation on		
S. Field trip to local meteorological office		
<b>7. Mass (weight) and balance control</b>		
A. Introduction to mass and balance		
B. Load planning		
C. Calculation of payload and load sheet preparation		
D. Aircraft balance and longitudinal stability		
E. Moments and balance		
F. The structural aspects of aircraft loading		
G. Dangerous goods and other special cargo		
H. Issuing loading instructions		
<b>8. Transport of Dangerous Goods by Air</b>		
A. Introduction		
B. Dangerous goods, emergency and abnormal situations		



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C. Source documents		
D. Responsibilities		
E. Emergency procedures		
<b>9.Flight Planning</b>		
A. Introduction to flight planning		
B. Turbo-jet aircraft cruise control methods		
C. Flight planning charts and tables for turbo-jet aircraft		
D. Calculation of flight time and minimum fuel for turbo-jet aircraft		
E. aircraft		
F. Route selection		
G. Flight planning situations		
H. Re - clearance		
I. The final phases		
J. Documents to be carried on flights		
K. Flight planning exercises		
L. Threats and hijacking		
<b>10. Flight Monitoring</b>		
A. Position of aircraft		
B. Effects of ATC reroutes		
C. Flight equipment failures		
D. En-route weather changes		
E. Emergency situations		
F. Flight monitoring resources		
G. Position reports		
H. Ground resource availability		
<b>11. Communications - Radio</b>		
A. International aeronautical telecommunications service		
B. Elementary radio theory_		
C. Aeronautical fixed service		
D. Aeronautical mobile service		
E. Radio navigation service		
F. Automated aeronautical service		
<b>12.Human Factors</b>		
A. The meaning of Human Factors		
B. Dispatch resource management (DRM)		
C. Awareness		
D. Practice and feedback		
E. Reinforcement		
<b>13.Security (emergencies and abnormal situations)</b>		
A. Familiarity		
B. Security measures taken by airlines		
C. Procedures for handling threats, bomb scares, etc		
D. Emergency due to dangerous goods		
E. Hijacking		
F. Emergency procedures		
G. Personal security for the Flight Dispatcher		
<b>14.Subject Matter</b>		
A. Applied practical flight operations		
B. Simulator LOFT observation and synthetic flight training		
C. Flight dispatch practices (on job training)		

 <p><b>CARC</b> Civil Aviation Regulatory Commission</p>	<p><b>Flight Operations Standards Department</b>  <b>General Aviation &amp; Training Section</b>  <b>Flight Dispatcher Oral knowledge Examination Application Form</b>  <b>AC28-04-007</b></p>
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D. Route familiarization		
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**B. For CARC USE ONLY**

**CARC Recommendation.**

<b>• JCAR Aircraft Dispatcher Oral Knowledge examination</b>	<input type="checkbox"/> Approved	<input type="checkbox"/> Not approved
<b>• JCAR Aircraft Dispatcher Oral Knowledge examination</b>	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail
<p><b>• Remarks</b></p>		
<b>•Flight Operations Inspector Name</b>	<b>Signature</b>	<b>Date</b>

**C. SUPPORTING DOCUMENTS.**

- This application form