




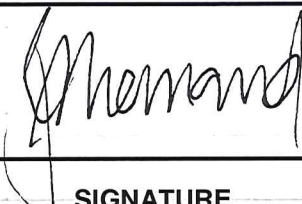
# FLIGHT SIMULATION TRAINING DEVICE QUALIFICATION CERTIFICATE

(This aviation training certificate is issued in terms of Part 60 of the South African Civil Aviation Regulations 2011 as amended)

Certificate No: PEL 01826	Registration No: ZF-011	Qualification Level: DG
Expiry Date: 31 March 2020	Type/Variant of Aircraft: Boeing 737-300	Operator's Address: P.O. Box 7015 Bonaero Park 1622 South Africa
Location: 1 Marignane Drive Bonaero Park South Africa	Name of Certificate Holder:  COMAIR LTD	Telephone: +27 11 393 7816 Fax: +27 11 388 2579 Email: <a href="mailto:colin.drummond@comair.co.za">colin.drummond@comair.co.za</a>
<p>It is hereby certified that the FSTD has satisfied the Qualification DG requirements prescribed in the SACAA FSTD A and is hereby approved for the purposes specified in the South African Civil Aviation Regulations. The flight simulator complies with the attached specifications.</p> <p><b>CONDITIONS OF APPROVAL</b></p> <ul style="list-style-type: none"> <li>• This FSTD certificate is valid until expiry date indicated and is not transferable.</li> <li>• The holder of the qualification certificate shall annually at least 60 days immediately preceding the effective date of such approval, apply for the renewal of such approval and must pay the fee as prescribed in Part 187 .</li> <li>• The privileges of the approval may not be exercised in the succeeding year unless all outstanding fees are paid in full.</li> <li>• This certificate shall remain valid unless it has been surrendered, superseded, limited, suspended or revoked during the period of validity.</li> </ul>		
Date of Issue: 2019-06-18	 DIRECTOR OF CIVIL AVIATION	Simon Segwabe Executive: Aviation Safety Operations Civil Aviation Authority
Issued at: MIDRAND SOUTH AFRICA	SIGNATURE	NAME AND TITLE
	EXECUTIVE: AVIATION SAFETY OPERATIONS	
<b>ISSUING AUTHORITY: SOUTH AFRICAN CIVIL AVIATION AUTHORITY</b> E-mail: <a href="mailto:PEL.Training@caa.co.za">PEL.Training@caa.co.za</a>		
This certificate was issued without any alteration or erasure CAA/PEL/ATO 00000001060		



<b>FLIGHT SIMULATOR SPECIFICATIONS</b> <b>REG No: ZF-011</b>		
a.	<b>Type/Variant of Aircraft</b>	Boeing B737-300
b.	<b>Flight Simulator Qualification Level</b>	SACAA-FSTD LEVEL DG
c.	<b>Visual System</b>	RSI Raster XT 64 180°X40° FOV
d.	<b>Motion System</b>	CAE 50° Hydraulic 6 DOF
e.	<b>Engine Fit</b>	CFM 56-3B1 (20K), CFM 56-3B2 (22K)
f.	<b>Flight Management System Fit</b>	GE Aviation Systems U11.0
g.	<b>TCAS Fit</b>	Version 7.0
h.	<b>Training, Testing and Checking Considerations:</b>	
	CAT I	RVR – 550m DH – 200ft
	CAT II	RVR – 300m DH – 100ft
	CAT IIIA	RVR – 200m DH – 50ft
	CAT IIIB	RVR – 75m DH – 50ft
	LVTO	RVR – 125m
	RNP / AR	NO
	Auto-coupled Approach	YES
	Auto-Land/Roll Out Guidance	YES/NO
	Recency	YES
	IFR Training and Checking	YES
	Type Rating	YES
	Proficiency Checks	YES
	Recurrent Training and Checking	YES
	ACAS / TCAS	YES (v7.0)
	Windshear Avoidance / Recovery Training	NO/YES
	WX-Radar	YES
	HUD / HUGS	NO
	GPWS / EGPWS Training	NO/YES
	MCC TRAINING	YES
	RNAV/GNSS	YES
<b>Restrictions / Limitations: Nil</b>		

<b>Date of Issue:</b> 15 APR 2019		<b>Johan Niemand</b> Senior Manager: Personnel Licensing Civil Aviation Authority
<b>Issued at:</b> MIDRAND SOUTH AFRICA	<b>SIGNATURE</b>	<b>NAME AND TITLE</b>
	<b>SENIOR MANAGER: PERSONNEL LICENSING</b>	