NAMIBIA CIVIL AVIATION AUTHORITY
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***Instructions for Use*:**

1. Check ***C*** column if you determine the document or individual item conforms to requirements.
2. Check ***N/C*** column if you determine that the document or individual line item does not comply (put a marker tab in the manual with a short note opposite the non-complying item).
3. Check ***N/Ckd*** if the item was not checked. Reasons should be given in remarks column.
4. Check ***N/A*** column if it is not applicable or you do not have adequate information to make a valid comment.
5. Coordination is required between FOPS and PEL as necessary. The respective inspector shall sign on the last column after reviewing the item.
6. Use the remarks column at the end for overall remarks or observations. For detailed findings inspectors should also use the FSS-GEN-FORM 39: Audit Inspection Report Form. Attach to this checklist

EVALUATE FLIGHT SIMULATOR STANDARDS **FSS-OPS-FORM 040 A**			
Operator File Reference	**Inspector's Name**	**Date of Inspection Request**	**Date Inspection Completed**
Name of Operator/Applicant	**Contact Person and Phone No.**	**Regulatory Reference**	**Inspector Handbook Ref.**
Aircraft Make/Model/Series	**Simulator Location**	**Sim. Approval Authority**	

S/N	CONFORMANCE WITH	
1.	ICAO Standards	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
2.	EASA Standards	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
3.	FAA Standard	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
4.	Copies of approvals/documents issued by certifying state authority / state of operator	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
	GENERAL	
5.	Simulator operating instructions available	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
6.	Cockpit, a full scale replica of the aeroplane simulated	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
7.	Direction of movement of control and switches identical to that in the Aeroplane	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
8.	Does the cockpit, for simulator purpose, consist of all that space forward of a cross section of the fuselage	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
9.	Do additional required crew member duty stations and those required bulkheads of the pilots' seats, (considered part of the cockpit) replicate the aeroplane	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
10.	Are circuit breakers properly located and functionally accurate	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
11.	Do the effects of aerodynamic changes for various combination of drag and thrust normally encountered in flight, correspond to actual flight conditions	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
12.	Effects of change in aeroplane altitude, thrust, drag, attitude, temperature, gross weight, center of gravity location, and configuration	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
13.	Relevant instrument indications involved in the situation of the applicable aeroplane, automatically respond to control movement by crew or induced disturbance to the simulated aeroplane: e.g. turbulence or windshear	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
14.	Communication, Navigation and Caution and Warning equipment correspond to that installed in the applications aeroplane	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
15.	Are there observer seats available for the Examiner and Authority inspector	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
16.	Simulator systems should simulate applicable aeroplane system operation both on the ground and in flight, accomplish normal abnormal and emergency procedures.	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
17.	Instructor controls to control all required system variables and insert abnormal or emergency conditions	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
18.	Control forces and control travel correspond to that of the replicated aeroplane	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
19.	Cockpit sounds which result from pilot actions corresponding to those of the aeroplane	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
20.	Sounds and aeroplane noise perceptible to the pilot	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
21.	The ground handling and aerodynamic programme comply with standard provisions	N/A ☐ C ☐ N/C ☐ N/Ckd ☐

22.	Windshear models, which provide training in specific skills, comply with standard provisions	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
23.	Instructor station has controls for wind speed and direction	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
24.	Simulator complies with required provisions	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
25.	Simulator has a means for quickly and effectively testing Programming and hardware	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
26.	Control feel dynamics and relative integrated sensory cues tested in the last CAA approval	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
27.	Daily preflight documentation easily accessible for review	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
	MOTION SYSTEM	
28.	Motion cues e.g. touchdown cues a function of the simulated rate of descent	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
29.	Motion system in compliance with requisite standards	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
30.	Means of recording Motion response time for comparison with aeroplane data	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
31.	Special effects programming	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
32.	Characteristic buffet motions	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
	VISUAL SYSTEM	
33.	Visual system capable of meeting all standards (validation Functional and Subjective Tests).	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
34.	Continuous minimum collimated visual field-of-view as specified.	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
35.	A means of recording the visual response time for visual systems.	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
36.	Verification of visual ground segment visual scene content at a decision height on landing approach.	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
37.	Visual cues to assess sink rate and depth perception during T/O and landing.	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
38.	Test procedures to confirm visual system colour, RVR, focus, intensity, level horizon, and attitude compared with the simulated attitude indicator.	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
39.	Duck scene to enable identification of visible horizon and terrain characteristics.	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
40.	A minimum of ten levels of occulting.	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
41.	Demonstration of surface resolution confirmed by calculations in the statement of compliance.	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
42.	Light point size	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
43.	Light point contrast ration	N/A ☐ C ☐ N/C ☐ N/Ckd ☐
44.	Daylight, Dusk (twilight) and night scenes to recognize airport, the terrain and major landmarks for a visual landing.	N/A ☐ C ☐ N/C ☐ N/Ckd ☐

INSPECTOR REMARKS & OBSERVATIONS

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Recommended for Approval/Not Recommended

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Inspector Name and Signature **Date**

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Chief of Flight Operations Remarks

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Name and Signature **Date**

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