

Safety Enhancement Initiatives (SEIs) to Mitigate Controlled Flight Into Terrain (CFIT)	<p align="center">CFIT Workshop, Yaounde, Cameroon, 7-9 October 2024</p> <p align="center">Status of Regional Performance in the Implementation of the SEIs-related USOAP CMA 2020 Protocol Questions – OPS</p> <p align="center">As at 31 December 2024, 15 out of the 46 audited RASG-AFI States have fully implemented all the identified CFIT-related SEIs (PQs), representing 32.6%.</p>					
	PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
Aircraft equipped with Terrain Awareness and Warning System (TAWS)	4.151	Does the flight operations inspection organization ensure that the air operator outlines, in its operations manual, instructions on the clarification and acceptance of air traffic control (ATC) clearances, particularly where terrain clearance is involved?	1) Verify that applicable operations inspectors' guidance material, manuals, checklists, etc. have been established and implemented. 2) Sample some air operators' manuals to confirm implementation and compliance.	STD A6 Part I, App. 2, 2.1.22 GM A6 Part III, App. 7, 2.1.20		<p align="center">CE-6</p> <p align="center">Regional Performance (level of implementation):</p> <p align="center">70.73%</p>
	4.171	Does the flight operations inspection organization ensure that an air operator has established a route guide to be used by its flight crew for each flight?	1) Verify that applicable operations inspectors' guidance material, manuals, checklists, etc. have been established and implemented. 2) Sample some air operations' route guide to ensure that it contains information relating to communication facilities, navigation aids, aerodromes, instrument approaches, instrument arrivals and instrument departures, as applicable, for the operation, and such	STD A6 Part I, App. 2, 2.3.1 GM A6 Part III, App. 7, 2.3.1 Doc 9376	Yes	<p align="center">CE-6</p> <p align="center">68.29%</p>

			other information as the air operator may deem necessary for the proper conduct of flight operations.			
	4.301	Does the flight operations inspection organization approve the method for determining aerodrome operating minima for aeroplane operators?				CE-6 70.73%
PBN Implementation	4.434	Has the flight operations inspection organization established procedures for the issuance of other approvals and authorizations contained in the operations specifications?	<p>1) Review certification process and operations procedures for issuance of specific approvals:</p> <p>a) RVSM; b) EDTO; c) PBN authorization required (AR); and d) Other.</p> <p>2) Verify the coordination with airworthiness includes:</p> <p>a) Documented process, including:</p> <p>i) inspectors' procedures ii) inspectors' guidance; iii) inspectors' checklists, and b) Defined areas of responsibility.</p> <p>3) Verify operations inspectors' guidance material, procedures and</p>	<p>STD A6 Part I, 4.2.1.2 & 4.7 & App. 6 Part III, Section II, 2.2.1.2 & App. 3 GM A6 Part I, Att. D Part III, Att. D Doc 8335 Part III, C7</p>		CE-5 68.40%

			checklists used in conducting applicants' safety risk assessment.			
4.435	Does the flight operations inspection organization ensure that the air operator has taken into account, reviewed and implemented all regulations before operations specifications are granted?	<p>1) Verify implementation of the certification process and operations inspectors' procedures.</p> <p>2) Review the related air operators procedures for: a) RVSM; b) EDTO; c) PBN authorization required (AR); and d) Other.</p> <p>3) Review implementation of documented coordination procedures with airworthiness.</p> <p>4) Sample issued AOCs/operations specifications.</p>	<p>STD A6 Part I, 4.2.1.2 & App.AIP 6 Part III, Section II, 2.2.1.2 & App. 3 GM Doc 8335 Part III, C7</p>	Yes	CE-6	65.85%
4.165	Does the flight operations inspection organization ensure that the aircraft operating information include approved MEL/configuration deviation list (CDL) for the aeroplane types operated and specific operations authorized?	<p>1) Verify implementation of the procedures to issue the initial approval and approval of subsequent amendments.</p> <p>2) Verify implementation of documented coordination procedures between AIR/OPS.</p>	<p>STD A6 Part I, 4.7, 6.1.3 & App. 2, 2.2.9 Part III, Section II, 4.1.3 GM A6 Part I, Att. C; Att. D, 3.3 & Att. E</p>	Yes	CE-6	65.85%

			<p>3) Sample an MEL and CDL, including applicable specific operations authorized (e.g. EDTO, all weather operations, RVSM, RNP, etc.).</p> <p>4) Verify that the same amendment of the MEL is used within the air operator during the industry visit.</p>	Part III, App. 7, 2.2.7; Att. C & Att. D, 3.3		
4.093	Is there a formal application form that a prospective air operator must complete and submit in order to obtain an AOC, operations specifications and/or special authorizations?	<p>Verify that applicable forms are available and ensure that they contain at least the following information:</p> <p>a) main base of operations;</p> <p>b) organizational structure;</p> <p>c) type of operation (passenger, cargo, etc.);</p> <p>d) specific approvals requested (AWOP, RVSM, PBN authorization required (AR), Dangerous Goods, EDTO, EFB, etc.)</p> <p>e) type of aircraft;</p> <p>f) arrangements for crew and ground personnel training;</p> <p>g) proposed routes and areas of operations, destination and alternate aerodromes;</p>	<p>STD A6 Part I; App. 5, 6 Part III; App. 1, 6 GM Doc 8335 Part III, 3.1 Doc 9734 Part A, C3</p>		CE-5	89.13%

			h) maintenance arrangements; and i) financial data and a business plan.			
SOPs	4.149	Does the flight operations inspection organization ensure that the air operator outlines, in its operations manual, standard operating procedures (SOPs): 1) For each phase of flight, 2) Crew briefings for departure and approach, 3) Developed checklists as an integral part of its SOPs, and 4) Instructed and/or trained its flight and cabin crew on how to use the SOPs?	1) Verify that applicable operations inspectors' guidance material, manuals, checklists, etc. have been established and implemented. 2) Sample some air operators' manuals to confirm implementation and compliance.	STD A6 Part I, App. 2, 2.1.17 PANS Doc 8168 (OPS) Vol. I GM A6 Part III, App. 7, 2.1.16	Yes	CE-6 61.0%
GPWS	4.153	Does the flight operations inspection organization ensure that the air operator includes, in its operations manual: a) Instructions and training requirements on the avoidance of CFIT, and b) Policy on the use of GPWS?	1) Verify that applicable operations inspectors' guidance material, manuals, checklists, etc. have been established and implemented. 2) Sample some air operators' manuals to confirm implementation and compliance.	STD A6 Part I, 6.15.2 & App. 2, 2.1.30	Yes	CE-6 65.85%
MSAW	4.161	Does the flight operations inspection organization ensure that the air operator has	1) Verify that applicable operations inspectors' guidance material,	STD A6 Part I, 6.1.4, 11.1 &	Yes	CE-6 65.85%

		<p>established a system to provide its operations staff and flight crew with aircraft operating information, including mandatory revisions?</p>	<p>manuals, checklists, etc. have been established and implemented.</p> <p>2) Review a sample of aircraft operating information to verify inclusion of the following:</p> <ul style="list-style-type: none"> a) Organization, update and revision system; b) Certification limitations and operating limitations as indicated in the AOC and OPSPEC; c) The normal, abnormal and emergency procedures to be used by the flight crew, related checklists, crew coordination and assignment, including PBN; d) Instructions for aircraft loading; e) Data for mass and balance calculations; f) Aircraft systems, associated controls and instructions for their use; and g) Emergency evacuation procedures, including type-specific procedures, crew coordination and assignment <p>Note to the auditor: Operating limitations are</p>	<p>App. 2, 2.2 Part III, Section II, 4.1.4, 9.1 GM A6 Part III, App. 7, 2.2</p>		
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			operator-specific approvals from State and may differ from Aircraft Type Certification (more restrictive). This must be clear for the flight crews.			
FDAP	4.203	Does the flight operations inspection organization ensure that: a) the air operator has established and maintained a flight data analysis programme, b) the flight data analysis programme is non-punitive and contains safeguards to protect the source(s) of the data?	1) Verify that applicable operations inspectors' guidance material, manuals, checklists, etc. have been established and implemented. 2) Sample some air operators' manuals to confirm implementation and compliance. 3) Review evidence during industry visit to confirm implementation.	STD A6 Part I, 3.3 Part III, Section II, 1.3 GM A13 Att. D		CE-6 42.11%

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