

AIM Deficiency Sample 2

DEFICIENCY (HAZARD) IDENTIFICATION AND RISK ASSESSMENT REPORT	
1. Description of identified deficiency:	Lack of Implementation of e-TOD Areas 1 and 3
2. State / Territory / Organization:	Name of State or Territory
3. Report N°:	AIM - xxx - CAR
4. Date of identification:	June 2010
5. Deficiency reported by:	ICAO/NACC AIM Regional Officer
6. Air Navigation Area Facility / service involved:	Electronic Terrain and Obstacle Data (e-TOD)
7. Specific requirement:	Annex 15, Chapter, Appendix 8, Doc 9881
8. Potential consequences of the hazard caused by the deficiency:	Lack of topographic information (Obstacles and Terrain) for electronic avionic systems based on data (GPWS, GPS, EFB, NAV DB, e-Charts, e-AIP, Digital NOTAM, etc.)
9. Mitigation currently implemented (if known):	No Reported
10. Remarks:	Review technical documentation and guidance prepared by ICAO Doc. 9881
11. Report prepared by: (ICAO Officer)	AIM Regional Officer

RISK MITIGATION RECOMMENDATIONS REPORT

RISK MITIGATION RECOMMENDATIONS REPORT				
1. Description of identified deficiency:	Lack of Implementation of e-TOD Areas 1 and 3			
2. State/Territory/Organization:	Name of State or Territory			
3. Report N°:	AIM – xxx – CAR			
4. Date of identification:				
5. Level of risk before mitigation measures are adopted:	3 A			
6. Solution # 1				
7. Description of the solution:	Implement e-TOD Areas 1 and 3			
8. Estimated cost and time for implementation of this solution:	9. Revised risk assessment if <u>only</u> this solution is to be implemented:	10. Probability:	2	Improbable
\$ ---N/A----		11. Severity:	A	Catastrophic
		12. Level of risk:	2 A	
13. Potential implementation problems:	Lack of coordination between Belize DCA and local Geodetic Agency Lack of Human resources, trained and experienced Lack of financial resources available			

DEFICIENCY (HAZARD) IDENTIFICATION AND RISK ASSESSMENT REPORT

		RISK SEVERITY				
		Catastrophic A	Hazardous B	Major C	Minor D	Negligible E
RISK PROBABILITY	Frequent 5	5A	5B	5C	5D	5E
	Occasional 4	4A	4B	4C	4D	4E
	Remote 3	3A	3B	3C	3D	3E
	Improbable 2	2A	2B	2C	2D	2E
	Extremely Improbable 1	1A	1B	1C	1D	1E
5A, 5B, 5C, 4A, 4B, 3A		Intolerable region (equivalent to U-priority deficiencies) Unacceptable under the existing circumstances				
5D, 4C, 4D, 3B, 3C, 2A, 2B, 5E, 2C, 4E, 3D		Tolerable region (equivalent to A-priority deficiencies) Acceptable based on risk mitigation. It may require management decision.				
1A, 1B, 1C, 1D, 1E, 2E, 3E, 2D		Acceptable region (equivalent to B-priority deficiencies) Acceptable				
Probability		Is defined as the likelihood that an unsafe event or condition might occur				
Frequent:		•Likely to occur many times (has occurred frequently)				
Occasional:		•Likely to occur sometimes (has occurred infrequently)				
Remote:		•Unlikely to occur, but possible (has occurred rarely)				
Improbable:		•Very unlikely to occur (not known to have occurred)				
Extremely improbable:		•Almost inconceivable that the event will occur				
Severity:		Is defined as the possible consequences of an unsafe event or condition, taking as reference the worst foreseeable situation.				
Catastrophic		<ul style="list-style-type: none"> •Equipment destroyed •Multiple deaths 				
Hazardous		<ul style="list-style-type: none"> •A large reduction in safety margins, physical distress or a workload such that the operators cannot be relied upon to perform their tasks accurately or completely •Serious injury •Major equipment damage 				
Major:		<ul style="list-style-type: none"> •A significant reduction in safety margins, a reduction in the ability of the operators to cope with adverse operating conditions as a result of increase in workload, or as a result of conditions impairing their efficiency •Serious incident •Injury to persons 				
Minor:		<ul style="list-style-type: none"> •Nuisance •Operating limitations •Use of emergency procedures •Minor incident 				
Negligible:		•Little consequences				

**EXPLANATION OF THE
“DEFICIENCY (HAZARD) IDENTIFICATION AND RISK ASSESSMENT” FORM**

1. **Description of identified deficiency:** Specifies the deficiency identified or the occurrence of the event, validated by the corresponding Regional Office.
2. **State/Territory/Organization:** Identifies the name of the State/Territory/Organization involved.
3. **Report N°:** Unique Code that identifies the deficiency by State.
4. **Date of identification:** Indicates the DD/MM/YY of the report of the deficiency identified or of the occurrence of the event, as applicable.
5. **Deficiency reported by:** Indicates the source that identified and reported the deficiency.
6. **Air Navigation Area Facility/service involved or activity:** Specifies the air navigation area directly involved in the identified deficiency. More than one area may be listed.
7. **Specific requirement:** Standard/Recommended Practice of ICAO Annex or the reference to the requirement of the deficiency-related Air Navigation Plan requirement. If known, the specific error or failure that affected the operation is included
8. **Potential consequences of the deficiency caused by the deficiency:** Initial assessment of the consequence of the identified deficiency, either by the source reporting the deficiency, or by the Regional Office that sends the report.
9. **Mitigation currently implemented (if known):** If known, existing defences are included.
10. **Remarks:** Observations or comments on the identified deficiency may be included.
11. **Report prepared by (ICAO Officer):** The reporting ICAO Regional Office and Official is specified.