


SARAST SAFETY TOOL IMPLEMENTATION TRACKER

NAME OF MEMBER STATE: BHUTAN

State Input Criteria:

- 1- Legislation/Regulations have been customized/updated by the State.
- 2- Advisory circular/information/guidance has been customized by the State.
- 3- Advisory circular/information/guidance has been provided to Operator.
- 4- Operators have not started to implement.
- 5- Operators have partially implemented.
- 6- Operators have fully implemented.
- 7- N/A (Not Applicable)
- 8- No Action
- 9 - Partially completed

Input your number(s) here, and/or use your own words



Note: You may also use your own words to describe the implementation status

SEI/SAST (new #)	PRIORITY	SAFETY TOOLS LINK: http://www.icao.int/APAC/Pages/edocs.aspx (Under FS)	State Implementation Status (State Input)	Operator Implementation Status (State Input)	Support Required (COSCAP INPUT)	Closure Status (COSCAP Input)
CFIT 1/SAST 01 GPWS with Forward Looking Feature	1	<ul style="list-style-type: none"> • Model Regulation on Ground Proximity Warning System (GPWS) 	1. Gap Analysis has been conducted on 16th September,2016 Requirements captured quite well under BCAR OPS 1.665(a) certified take-off mass in excess of 5700kg.	6		Open

		<ul style="list-style-type: none"> Model AC - Guidance for Operators to Ensure Effectiveness of GPWS Equipment 	Bhutan CAA will adopt the Model AC which will be incorporated in the next issuance of Advisory Circular.	6		Open
		<ul style="list-style-type: none"> Guidance for Operators on Training Programme on the use of Ground Proximity Warning System (GPWS) 	Gap Analysis has been conducted on 16 Sep 2016. Requirements covered under BCAR -OPS .1.665	6 Ref; OM Part A, B, & D (FCOM) Ch 34 - Nav.		Open
CFIT 3/SAST 02 Precision-Like Approach Standard Operating Procedures	1	<ul style="list-style-type: none"> Model AC - Instrument Approach Procedures using Continuous Descent Final Approach Techniques 	Gap Analysis conducted on 16 Sep 2016. The procedure using continuous descent final approach techniques covered Appendix 1 BCAR-OPS- 1.550 Additional included in (Routes and Charts Manual)-AIP Procedure	6 Ref; OM Part- C & D		Open
CFIT 5/SAST 03 Crew Resource Management Training	1	<ul style="list-style-type: none"> Model AC - Crew Resource Management Training Programme 	Gap Analysis conducted on 16 Sep 2016. The requirements covered under BCAR OPS 1.943 Subpart N, for Flight Crew. Appendix 1 to BCAR Ops 1.1005 for Cabin.	6 Ref; OM Part - A & D (Appendix B)		Open
CFIT 6/SAST 04 CFIT/ALAR Training	3	<ul style="list-style-type: none"> Model AC - Development and Conduct of ALAR and CFIT Training Programme 	Gap Analysis conducted on 16 Sep 2016. The requirements are partly covered under BCAR- OPS- 1.400	5 Practice is in place, but need to once again review		Open

			BCAA will follow up with the operator in the next scheduled audit.	and update the training syllabus to include CFIT & ALAR in the manual.		
CFIT 7/SAST 11		<ul style="list-style-type: none"> Guidance for Air Operators in Establishing a Flight Safety Documentations System Model Advisory Circular 	Gap Analysis conducted on 16 Sep 2016. Requirements are covered under BCAR OPS 1.037 (Accident prevention & Flight safety program) The FSD will need to be further assessed for completion.	5 Customization of FDM software from Airbus for Airport specific. Details of the system needs to be further assessed		Open
CFIT 8/SAST 05 Minimum Safe Altitude Warning (MSAW)	3	<ul style="list-style-type: none"> Model AC - Issuance of Terrain or Obstacle Alert/Warning 	N/A Bhutan do not have ATC, only FSS(Flight Service Station Specialist(Bhutan does not have radar)	N/A		Open
LOC 5/SAST 06 Human Factors and Automation	1	<ul style="list-style-type: none"> Model AC - Mode Awareness and Energy State Management Aspects of Flight Deck Automation 	6 The requirements are covered under Appendix 1 to BCAR Ops 1.965 (h)	6 Fully covered and integrated within the airbus type training program. Also included in	COSCAP to support all States Note: Airbus has clarified to indicate that this is already fully integrated within Airbus Type	Open

				the OPC (6months period)	training programs	
RE 2/SAST 07 Identify Specific Training for Pilots and Air Traffic Controllers to Avoid Unstabilized Approaches	1	<ul style="list-style-type: none"> Guidance material, titled "Unstable Approaches ATC Considerations"; and LINK:http://www.canso.org/safety <p style="text-align: center;">Not applicable for Bhutan</p>	Bhutan do not have ATC, only FSS(Flight Service Specialist) However, operators SOP should contain stable call when conducting approaches @ other Foreign destination, or airport as applicable.	The operator's SOP should contain a stable call during the last phase of the approach i,e Stable @ 500ft RA. or 1000 RA, or FAF	COSCAP to support Bhutan CAA. CTA to initiate a dialogue with the ATC organization	Open
		<ul style="list-style-type: none"> Two flyers titled "Runway Excursions" and "Avoiding Unstable Approaches" are available on CANSO's website at LINK:http://www.canso.org/safety 	Operators has been notified of the website to ref incase.	6		Closed
RE 6/SAST 08 Timely and Accurate Notification about Runway Conditions by AIS and ATS	1	<ul style="list-style-type: none"> Industry Best Practices Manual on Timely and Accurate Reporting of Runway Condition by ATS/AIS to Flight Crew. Note: Please be advised that this is out of date 	States to wait until new manual is published	N/A		Open

RE 7/SAST 09 Improve Runway Conditions in accordance with the Guidelines Provided in Annex 14	2	<ul style="list-style-type: none"> Guidance on runway maintenance and operations, which can be found in the "ACI Runway Safety Handbook". The handbook is now part of the ICAO Runway Safety Toolkit. Link: http://www.icao.int/safety/runwaysafety/pages/rnwytlkt.aspx		4		Open
		<ul style="list-style-type: none"> An on-line training course on runway maintenance and operations can also be found at Link: http://www.olc.aero/Courses/Runway-Safety-Management.aspx		8		Open
RS 1/SAST 10 Develop Runway Safety Checklist	1	<ul style="list-style-type: none"> A checklist - Runway Safety Maturity Checklist 		8		Open