



SSPIA Beta Test Experience Transport Canada

NAM/CAR SSP Meeting 3

Nov. 17-18, 2022



Agenda

Canada's SSP
Journey

Overview of SSPIA
Beta Test of Canada

SSPIA Lessons
Learned

SSPIA Results
Timeline

Recommendations for
State Success

2022-11-10



Canada's SSP Journey

Canada's Transition from prescriptive regulation/compliance, to a risk-managed performance-based aviation safety program.

- 1920 - 1970's** - Prescriptive Reactive regulatory processes
- 1980's** - Human Factors (HF)
- 1990's** - Quality Management Systems (QMS)
- 1996** - Canadian Aviation Regulations (CARs) introduced.
 - Introduction of Performance-based regulatory philosophy
- 2000's** - Risk Management
- 2003-2010** - **Safety Management Transformation**
 - Safety Management Systems (SMS)
 - Integrated Management Systems (IMS)
 - Enterprise-based Organization Structure
- 2015** - Regulatory Review/Transformation
- 2016** - Annex 19 SSP Foundation
- 2021** - TCCA SSP Manual



SSPIA Beta Test Overview

- Canada volunteered to be the subject of ICAOs newly established SSPIA monitoring activity
- The SSPIA process assesses the “maturity levels” of the State Safety Program (SSP).
- The SSPIA methodology differs from the USOAP evaluation protocol
- Canada’s SSPIA was officially conducted from Dec. 9 to 17, 2021

SSPIA Lessons Learned - ICAO

Transport Canada submitted lessons learned to ICAO for consideration which aimed to improve the future conduct of SSPIAs:

- Improvements to SSPIA assessment team preparedness recommended to ICAO
- Improvements regarding functionality of the OLF recommended to ICAO
- Opened a dialogue about clarifying maturity level questions to streamline State responses for future SSPIAs
- Assisted ICAO with identifying overlapping areas between GEN PQs and technical areas
- Highlighted opportunities for improvement for PQ/Sub-PQ formatting
- Shared State experience to improve future ICAO mission planning such as time allocations for introductions, requests for evidence and assessment debriefing



SSPIA Lessons Learned – Transport Canada

- TCCA gained valuable insight and experience
- Areas for improvement in Canada's State Safety program were identified
- Overall, the process was considered to be beneficial

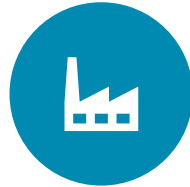
SSPIA Results Timeline

<i>RESPONSIBILITIES/TASKS</i>		<i>TIMELINE</i> <i>(days noted below are calendar days)</i>
<i>ICAO</i>	<i>State</i>	
<i>After completion of on-site activity</i>		
Providing draft report to State		90 days after last day of on-site activity
	Providing comments on draft report	45 days from receipt of draft report
Publication of final report		30 days from receipt of State comments

Recommendations for SSPIA Success



ESTABLISH A TRACKING PROCESS FOR PQ RESPONSES



REVIEW PQS AND SUB-PQS FROM THE GEN AND TECHNICAL AREAS BEFORE DISTRIBUTION TO SMES



TEST THE OLF VERY EARLY IN THE SSPIA PROCESS



ENSURE SPECIFIC REFERENCES ARE PROVIDED FOR EVIDENCE



IDENTIFY ANY POTENTIALLY SENSITIVE EVIDENCE FOR THE STATE

