

ICAO Asia Pacific Safety Management Seminar 2025 Pre-Seminar Survey : Identify common SPIs

Action Needed

APAC States/Administrations are kindly requested to submit responses to survey for consideration by the ICAO and the Seminar Organizing Committee **by not later than 6 January 2025**.

All responses are to be submitted **online by clicking on this [link](#)**. Survey questions are included here as reference only.

- **State/Administration** –
 - **One response per State/Administration**, and
 - Disseminate survey to all applicable service providers (industry) in your jurisdiction;
- **Service Providers** –
 - **One response from each separate operational service provider (industry)** subject to requirements for Safety Management System (SMS) by ICAO Annex 19 or the authority of State/Administration.

Purpose

The survey aims to gather valuable insights from States/Administrations or industry regarding the current or planned usage of Safety Performance Indicators (SPIs) based on [ICAO Indicator Catalogue](#) and 4 new SPIs in [proposed update to ICAO Global Air Navigation Plan](#) (GANP).

This survey will also be used for implementing the [ICAO APAC Regional Aviation Safety Plan 2023-2025](#) Action A.IV.1 “Establish a mechanism to collect and analyse State Safety Plan (SSP) SPI data from Asia Pacific (APAC) States and common industry Indicators”.

The collective findings may be shared during the seminar, and all responses will remain anonymous.

Survey Completion Guideline

According to the ICAO, SPIs are essential to aid data-informed decision-making and measurement of achievement of goals. However, not all SPIs given in the ICAO indicator catalogue are applicable or relevant to your organization. Please select SPIs that are present in your State Safety Plan/Safety Management System (SSP/SMS), and review whether others may be useful for your organization’s safety improvement. Please note that the use of this catalogue is not mandatory and inclusion of an indicator in the catalogue does not imply that ICAO endorses or mandates that indicator to be used by States or service providers.

Please click on the following links for ICAO References:

1. [Action A.IV.1 of AP-RASP 2023-2025 on “Establish a mechanism to collect and analyse SSP SPI data from APAC States and common industry Indicators”](#).
2. [ICAO Indicator Catalogue](#)
3. [Refer page 49 of proposed update to ICAO Global Air Navigation Plan \(GANP\)](#)
4. [ICAO Indicator Form](#)

Note : 1) Fields marked with an asterisk (*) are mandatory.
 2) The term "Organization" refers to a State/Administration (e.g. regulator) or an industry service provider.
 3) When responding to the questions related to SPIs, please refer to the definitions for each type of SPI as outlined in the ICAO Indicator Catalogue or page 49 of the proposed ICAO GANP.

A.	Respondent Information
*1.	Who do you represent ? ☐ State/Administration ☐ Industry
*2.	Which Organization are you from? ☐ States/Administrations (Regulator) ☐ Commercial Aircraft Operator ☐ International General Aviation Air Operator ☐ Approved Maintenance Organization (AMO/MRO) ☐ Manufacture of aircraft, engines or propellers organization ☐ Type design of aircraft, engines or propellers organization ☐ Air Navigation Service Provider ☐ Approved Training Organization with flight operations ☐ Aerodrome operator
3.	Please enter the name of your organization below:
*4.	Please enter your Department Name and Position below:
5.	Please enter your email address below if you wish to be updated after the seminar:
B.	Safety Performance indicators (SPIs) Implementation Status
*6.	How would you rate your organization's SSP or SMS (Please only select one answer.) ☐ SSP/SMS not yet established ☐ SSP/SMS being established ☐ SSP/SMS somewhat effective ☐ SSP/SMS mature & effective ☐ Other (please specify):
*7.	[Q6 is "SMS/SSP not yet established"] What are the main challenges related to SSP/SMS implementation? (You may select more than one answer.) ☐ Lack of legislation/guidance ☐ Lack of financial resources ☐ Lack of subject matter expertise ☐ Lack of safety data and processing system ☐ Additional Information:
*7. or 8.	[Q6 is "SMS/SSP being established/somewhat effective/mature & effective"] Has your organisation established any SPIs? (Please select only one answer. You may add additional comments) ☐ Yes ☐ No ☐ Additional Comment:
*7. or 9.	[Q7/Q8 is No] - what are the main challenges for not establishing any SPIs? ☐ Lack of legislation/guidance ☐ Lack of financial resources ☐ Lack of subject matter expertise ☐ Lack of safety data and processing system ☐ Additional Information:
*8. or 9.	[Q7/Q8 is Yes] - Does your organisation publish the list of SPIs? ☐ Yes – published in public domain ☐ Yes – published with access control for specific audience (e.g. sharing with other SSP/SMS, regional bodies, industry organisations) ☐ No
9. or 10.	[Q8/Q9 is Yes] - Can you share a list of your organization's SPIs? (Please upload a list (Word or PDF), provide the link, or use the ICAO Indicator Form in the following question.) Choose File
10. or 11.	[Q8/Q9 is Yes] - Is it possible to share your organisation's SPIs and definition with ICAO RASG-APAC/APRAST for study using the ICAO indicator form? (Please click ICAO indicator form, download and complete the form, upload the completed form using the "Choose File" button.) Choose File
C.	Surveillance SPIs
*11.	Effective Implementation? (Remark : For service providers, EI scores may be from industry audit schemes e.g. IATA Operational Safety Audit - IOSA) ☐ Yes - SPIs measured in SSP/SMS (Please explain definition, if any, to enable study for regional benchmarking in the comment box below) ☐ No - but may be added in future ☐ No - Not useful ☐ Not Applicable Example definition:

*12.	Runway inspections by finding category and inspection period? ☐ Yes - SPIs measured in SSP/SMS <i>(Please explain definition, if any, to enable study for regional benchmarking in the comment box below)</i> ☐ No - but may be added in future ☐ No - Not useful ☐ Not Applicable Example definition: _____
*13.	Others? ☐ Other SPIs in Surveillance <i>(please elaborate in the comment box below)</i> ☐ No Other SPIs: _____
D.	Occurrences SPIs
*14.	Accident rate by occurrence type and occurrence category? ☐ Yes - SPIs measured in SSP/SMS <i>(Please explain definition, if any, to enable study for regional benchmarking in the comment box below)</i> ☐ No - but may be added in future ☐ No - Not useful ☐ Not Applicable Example definition: _____
*15.	No. of accidents by operation type, category, risk category and injury level? ☐ Yes - SPIs measured in SSP/SMS <i>(Please explain definition, if any, to enable study for regional benchmarking in the comment box below)</i> ☐ No - but may be added in future ☐ No - Not useful ☐ Not Applicable Example definition: _____
*16.	Fatality rate by operation type and occurrence category? ☐ Yes - SPIs measured in SSP/SMS <i>(Please explain definition, if any, to enable study for regional benchmarking in the comment box below)</i> ☐ No - but may be added in future ☐ No - Not useful ☐ Not Applicable Example definition: _____
*17.	Number of fatalities by operation type and risk category? ☐ Yes - SPIs measured in SSP/SMS <i>(Please explain definition, if any, to enable study for regional benchmarking in the comment box below)</i> ☐ No - but may be added in future ☐ No - Not useful ☐ Not Applicable Example definition: _____
*18.	No. of aircraft accidents? <i>(Remark : see P.49 of ICAO's proposed update to GANP)</i> ☐ Yes - SPIs measured in SSP/SMS <i>(Please explain definition, if any, to enable study for regional benchmarking in the comment box below)</i> ☐ No - but may be added in future ☐ No - Not useful ☐ Not Applicable Example definition: _____
*19.	Others? ☐ Other SPIs in Occurrences <i>(please elaborate in the comment box below)</i> ☐ No Other SPIs: _____
E.	Runway Safety SPIs
*20.	Runway safety occurrences by occurrence category and occurrence class? ☐ Yes - SPIs measured in SSP/SMS <i>(Please explain definition, if any, to enable study for regional benchmarking in the comment box below)</i> ☐ No - but may be added in future ☐ No - Not useful ☐ Not Applicable Example definition: _____
*21.	Wildlife strikes by occurrence class and flight phase? ☐ Yes - SPIs measured in SSP/SMS <i>(Please explain definition, if any, to enable study for regional benchmarking in the comment box below)</i> ☐ No - but may be added in future ☐ No - Not useful ☐ Not Applicable Example definition: _____
*22.	Long landings? ☐ Yes - SPIs measured in SSP/SMS <i>(Please explain definition, if any, to enable study for regional benchmarking in the comment box below)</i> ☐ No - but may be added in future ☐ No - Not useful ☐ Not Applicable Example definition: _____
*23.	Tailwind landings by threshold level? ☐ Yes - SPIs measured in SSP/SMS <i>(Please explain definition, if any, to enable study for regional benchmarking in the comment box below)</i> ☐ No - but may be added in future ☐ No - Not useful ☐ Not Applicable Example definition: _____

*24.	Runway remaining? ☐ Yes - SPIs measured in SSP/SMS <i>(Please explain definition, if any, to enable study for regional benchmarking in the comment box below)</i> ☐ No - but may be added in future ☐ No - Not useful ☐ Not Applicable Example definition: _____
*25.	No. of runway incursions? <i>(Remark : see P.49 of ICAO's proposed update to GANP)</i> ☐ Yes - SPIs measured in SSP/SMS <i>(Please explain definition, if any, to enable study for regional benchmarking in the comment box below)</i> ☐ No - but may be added in future ☐ No - Not useful ☐ Not Applicable Example definition: _____
*26.	No. of runway excursions? <i>(Remark : see P.49 of ICAO's proposed update to GANP)</i> ☐ Yes - SPIs measured in SSP/SMS <i>(Please explain definition, if any, to enable study for regional benchmarking in the comment box below)</i> ☐ No - but may be added in future ☐ No - Not useful ☐ Not Applicable Example definition: _____
*27.	Others? ☐ Other SPIs in Runway Safety <i>(please elaborate in the comment box below)</i> ☐ No Other SPIs: _____
F.	Airspace SPIs
*28.	*IFR-IFR Loss of Separation? <i>(*Instrument Flight Rules)</i> ☐ Yes - SPIs measured in SSP/SMS <i>(Please explain definition, if any, to enable study for regional benchmarking in the comment box below)</i> ☐ No - but may be added in future ☐ No - Not useful ☐ Not Applicable Example definition: _____
*29.	Large height deviation in *RVSM airspace? <i>(*Reduced Vertical Separation Minima)</i> ☐ Yes - SPIs measured in SSP/SMS <i>(Please explain definition, if any, to enable study for regional benchmarking in the comment box below)</i> ☐ No - but may be added in future ☐ No - Not useful ☐ Not Applicable Example definition: _____
*30.	*TCAS events by advisory type? <i>(*Traffic Collision Advisory System)</i> ☐ Yes - SPIs measured in SSP/SMS <i>(Please explain definition, if any, to enable study for regional benchmarking in the comment box below)</i> ☐ No - but may be added in future ☐ No - Not useful ☐ Not Applicable Example definition: _____
*31.	Emergency by squawk code? ☐ Yes - SPIs measured in SSP/SMS <i>(Please explain definition, if any, to enable study for regional benchmarking in the comment box below)</i> ☐ No - but may be added in future ☐ No - Not useful ☐ Not Applicable Example definition: _____
*32.	Horizontal flight efficiency – local? ☐ Yes - SPIs measured in SSP/SMS <i>(Please explain definition, if any, to enable study for regional benchmarking in the comment box below)</i> ☐ No - but may be added in future ☐ No - Not useful ☐ Not Applicable Example definition: _____
*33.	Horizontal flight efficiency – network? ☐ Yes - SPIs measured in SSP/SMS <i>(Please explain definition, if any, to enable study for regional benchmarking in the comment box below)</i> ☐ No - but may be added in future ☐ No - Not useful ☐ Not Applicable Example definition: _____

*34.	No. of airprox / TCAS alert / loss of separation / near mid-air collisions / mid-air collisions? <i>(Remark : see P.49 of ICAO's proposed update to GANP)</i> ☐ Yes - SPIs measured in SSP/SMS <i>(Please explain definition, if any, to enable study for regional benchmarking in the comment box below)</i> ☐ No - but may be added in future ☐ No - Not useful ☐ Not Applicable Example definition:
*35.	Others? ☐ Other SPIs in Airspace <i>(please elaborate in the comment box below)</i> ☐ No Other SPIs:
G.	Approach SPIs
*36.	Missed approaches? ☐ Yes - SPIs measured in SSP/SMS <i>(Please explain definition, if any, to enable study for regional benchmarking in the comment box below)</i> ☐ No - but may be added in future ☐ No - Not useful ☐ Not Applicable Example definition:
*37.	*EGPWS alert events? <i>(*Enhanced Ground Proximity Warning System)</i> ☐ Yes - SPIs measured in SSP/SMS <i>(Please explain definition, if any, to enable study for regional benchmarking in the comment box below)</i> ☐ No - but may be added in future ☐ No - Not useful ☐ Not Applicable Example definition:
*38.	Continuous descent operations? ☐ Yes - SPIs measured in SSP/SMS <i>(Please explain definition, if any, to enable study for regional benchmarking in the comment box below)</i> ☐ No - but may be added in future ☐ No - Not useful ☐ Not Applicable Example definition:
*39.	Others? ☐ Other SPIs in Approach <i>(please elaborate in the comment box below)</i> ☐ No Other SPIs:
H.	Ramp Inspection SPIs
*40.	Ratio of zero findings inspections? ☐ Yes - SPIs measured in SSP/SMS <i>(Please explain definition, if any, to enable study for regional benchmarking in the comment box below)</i> ☐ No - but may be added in future ☐ No - Not useful ☐ Not Applicable Example definition:
*41.	Ratio of findings per inspection? ☐ Yes - SPIs measured in SSP/SMS <i>(Please explain definition, if any, to enable study for regional benchmarking in the comment box below)</i> ☐ No - but may be added in future ☐ No - Not useful ☐ Not Applicable Example definition:
*42.	Others? ☐ Other SPIs in Ramp Inspection <i>(please elaborate in the comment box below)</i> ☐ No Other SPIs:
I.	Seminar Enhancement Question
43.	Please let us know if you have any comments or questions you would like to be addressed during the seminar.

Thank you for completing this survey, we appreciate your inputs.