



CIVIL AVIATION SAFETY AUTHORITY OF PAPUA NEW GUINEA

SAFETY ALERT BULLETIN (SAB)

NO: 04/2026

DATE: 11/08/2026

A SAB contains important safety information and may include recommended action. SAB content should be especially valuable to air carriers in meeting their statutory duty to provide service with the highest degree of safety in the public interest. Besides the specific action recommended in a SAB, an alternative action may be as effective in addressing the safety issue named in the SAB.

TITLE: SM-ICG Launches Safety Performance Indicator (SPI) Generator Tool.

OBJECTIVE: This SAB serves to alert all aviation stakeholders that the Safety Management – International Collaboration Group (SM-ICG) launched the Safety Performance Indicator (SPI) Generator Tool on its website on the 07th August 2026.

This SAB also contains information and recommended actions that the Civil Aviation Safety Authority of Papua New Guinea (CASA PNG) strongly recommends, for air operators and other participants to consider in order to enhance your SMS compliance under Part 100.

This SAB serves to emphasize the operational and safety-critical importance of the SM ICG SPI Generator tool and other related SM-ICG SMS tools that are available for immediate use by all PNG aviation participants.

BACKGROUND:

The SM-ICG Safety Performance Indicator (SPI) Generator tool is an interactive dashboard designed to support organisations in developing, reviewing, or enhancing Safety Performance Indicators (SPIs) within their Safety Management Systems (SMS). The dashboard enables SMS personnel to generate a tailored set of SPI examples by sequentially selecting relevant aviation sectors, risk areas, indicator types, and measurement formats.

It contains over 700 unique SPI examples, ranging from relatively simple indicators to more complex measures, allowing organisations to identify examples that are proportionate to their level of activity, operational complexity, and safety management maturity. These SPIs are intentionally presented as adaptable examples rather than prescribed indicators.

Users should refine them to reflect their own context, including periodicity, denominator, scope, thresholds or targets, and internal terminology.

DISCUSSION:

Papua New Guinea is a core member of the SM-ICG and has already customized and uploaded several SM-ICG tools to the CASA PNG website to assist aviation participants enhance compliance with Part 100 SMS requirements.

The following new *Advisory Circulars* (ACs) in the Part 100-1 series have recently been issued by the Director as “Practical Guides” for Industry to use to develop and /or enhance your SMS and QMS under Part 100 and are now available on the CASA PNG website (<https://casapng.gov.pg/advisorycirculars/>):

1. AC100-1 SMS and QMS-Fundamentals Issue (issue 3 – 01 Jul 2026)
2. AC100-1A Safety Policy, Objectives and Resources (issue initial – 01 Jul 2026)
3. AC100-1B Safety Risk Management (issue initial – 01 Jul 2026)
4. AC100-1C Safety Assurance (issue initial – 01 Jul 2026)
5. AC100-1D Safety Promotion (issue initial – 01 Jul 2026)
6. AC100-1E SMS Inspector Competency Guide and Training Programme (issue initial – 01 Jul 2026)

The following new SM-ICG Tools are customized to PNG requirements have recently been issued by the Director and are now available on the CASA PNG website on: (<https://casapng.gov.pg/forms/>)

1. CA01-AC100-1E CASA SMS Evaluation Tool-PSOE (rev 0.0 – 01 Jul 2026)
2. CA02-AC100-1E SMS Inspector Competency Evaluation Tool (rev 0.0 – 01 Jul 2026)

On 07 August 2026, the SM-ICG launched the SPI Generator Tool which is may be accessible on link: <https://skybrary.aero/articles/sm-icg-spi-generator-tool>

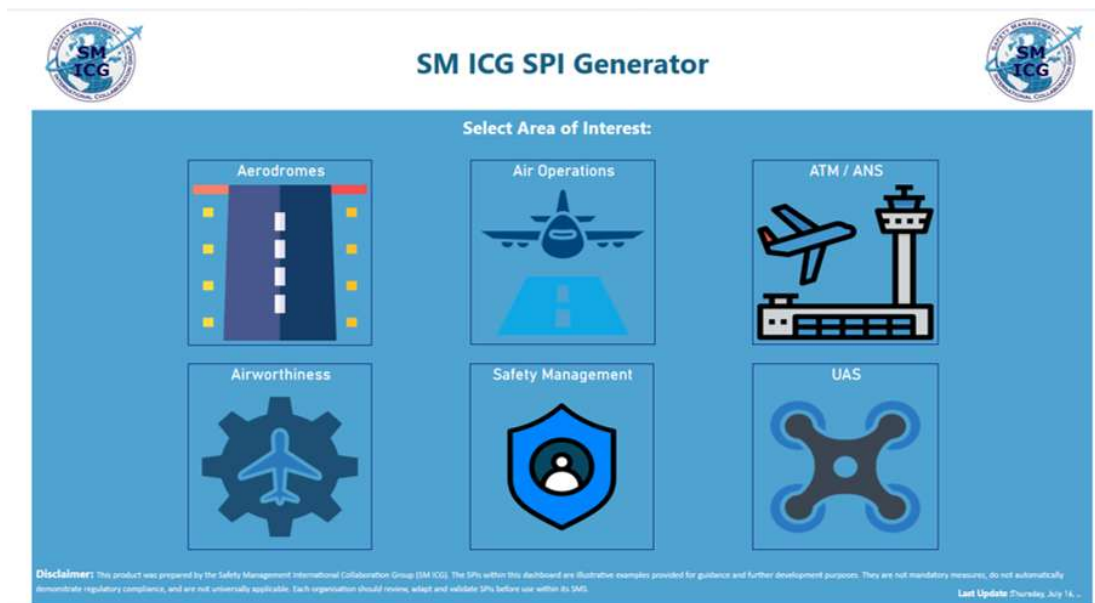
HOW TO USE THE SM-ICG SPI GENERATOR TOOL

The dashboard is structured to help users identify example SPIs by sector, risk area, and indicator type.

1. Select the relevant aviation sector or activity
2. Generate SPI criteria
 - Select the risk area(s) of interest to identify relevant examples
 - Select the indicator type
 - Select measurement format
3. Select for SPI Results

When finished, adapt the selected SPIs locally, including for:

- Reporting period or frequency;
- Denominator;
- Threshold or target;
- Scope of application; and
- Local terminology.



RECOMMENDED SAFETY ACTIONS:

CASA PNG encourages all Quality and Safety Managers to:

- review the contents of the new Advisory Circulars (ACs) and SM-ICG Tools listed above and self-evaluate their SMS performance against the four (4) components and twelve (12) elements of an ICAO Annex 19 SMS and in accordance with Part 100.
- consider using the SMS-ICG SPI Generator tool to enhance your SMS.

OTHER REFERENCE INFORMATION: Other related information on the above can be found in:

1. Civil Aviation Rule Part 100
2. ICAO Annex 19 Amendment 2

ENQUIRIES:

For any further enquiries regarding the contents of this Safety Alert Bulletin (SAB), you may contact:

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