



# ICAO

International Civil Aviation Organization  
North American, Central American and Caribbean Office

## Integrated Safety Trend Analysis and Reporting System (iSTARS) and Data Analysis Workshop Mexico City, Mexico, 25 to 28 July 2017

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### Summary of Discussions

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| <b>Date</b>                             | 25 to 28 July 2017   |
| <b>Location</b>                         | ICAO NACC Regional Office, Mexico City, Mexico   |
| <b>Opening Ceremony</b>                 | The Workshop was attended by 26 delegates from 10 States/Territories and Industry from the NAM/CAR Regions. The list of participants is shown in the <b>Appendix</b> .   |
| <b>References</b>                       | The workshop agenda and material are posted on the event website at:<br><a href="https://www.icao.int/NACC/Pages/meetings-2017-istars.aspx">https://www.icao.int/NACC/Pages/meetings-2017-istars.aspx</a>  |
| <b>Objectives</b>                       | Providing participants with knowledge and skills related to: <ul style="list-style-type: none"><li>• the fundamentals of data-driven decision making</li><li>• collecting, managing, and analyzing safety data</li><li>• developing Safety Performance Indicators (SPI)</li><li>• using Integrated Safety Trend Analysis and Reporting System (iSTARS) apps and tools</li></ul>  |
| <b>Introduction</b>                     | <p>This workshop targeted safety managers and specialists, staff of State regulatory bodies/Civil Aviation Authorities (CAAs) and aviation service providers who are involved in planning, developing and implementing the State Safety Programmes (SSPs) or Safety Management Systems (SMSs).</p> <p>It introduced the concept of data-driven decision making, risk management and prioritization and addresses data collection, analysis, reporting and sharing.</p> |
| <b>Workshop Schedule and Activities</b> | Refer to the workshop website is located at:<br><a href="https://www.icao.int/NACC/Pages/meetings-2017-istars.aspx">https://www.icao.int/NACC/Pages/meetings-2017-istars.aspx</a>  |

**Outcomes/  
Recommendations**

Participants from the NACC States engaged actively with the material and hands-on exercises presented in the workshop. They showed a good level of commitment to the adoption and enhancement of data-driven decision making and prioritization.

There was good interest and discussions about the use of the SSP Gap Analysis tool on iSTARS. Workshop facilitators clarified that ICAO uses this tool to monitor progress and not to validate SSP implementation. States that do not report yet their progress to ICAO, were encouraged to start a project on the tool to ensure that have a defined SSP implementation plan.

Participants also gained knowledge on how to navigate and use various applications on ICAO's iSTARS tool for safety analysis, including Universal Safety Oversight Audit Programme (USOAP) Reports, Safety Margin, Solution Center, various briefings and the SSP Gap Analysis, among others. They were encouraged to promote the use of iSTARS within their organizations.

A presentation was given on ICAO's Safety Information Monitoring System (SIMS), which is an ICAO web-based information system comprised of different applications, which generates indicators in support of SSP and SMS. A demonstration of the applications under development created positive feedback from participants, as they were able to see how the data is converted into information and that can be used for decision making, monitoring, measuring key indicators and risk mitigation.

The combination of material, information and exercises covered in this workshop enhanced States' effective implementation of ICAO Standards and Recommended Practices (SARPs) and both, State and industry ability to implement the SSP and SMS requirements.

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