



# Safety Performance Measurement

**Elda Almonte**  
*State Safety Manager - IDAC*

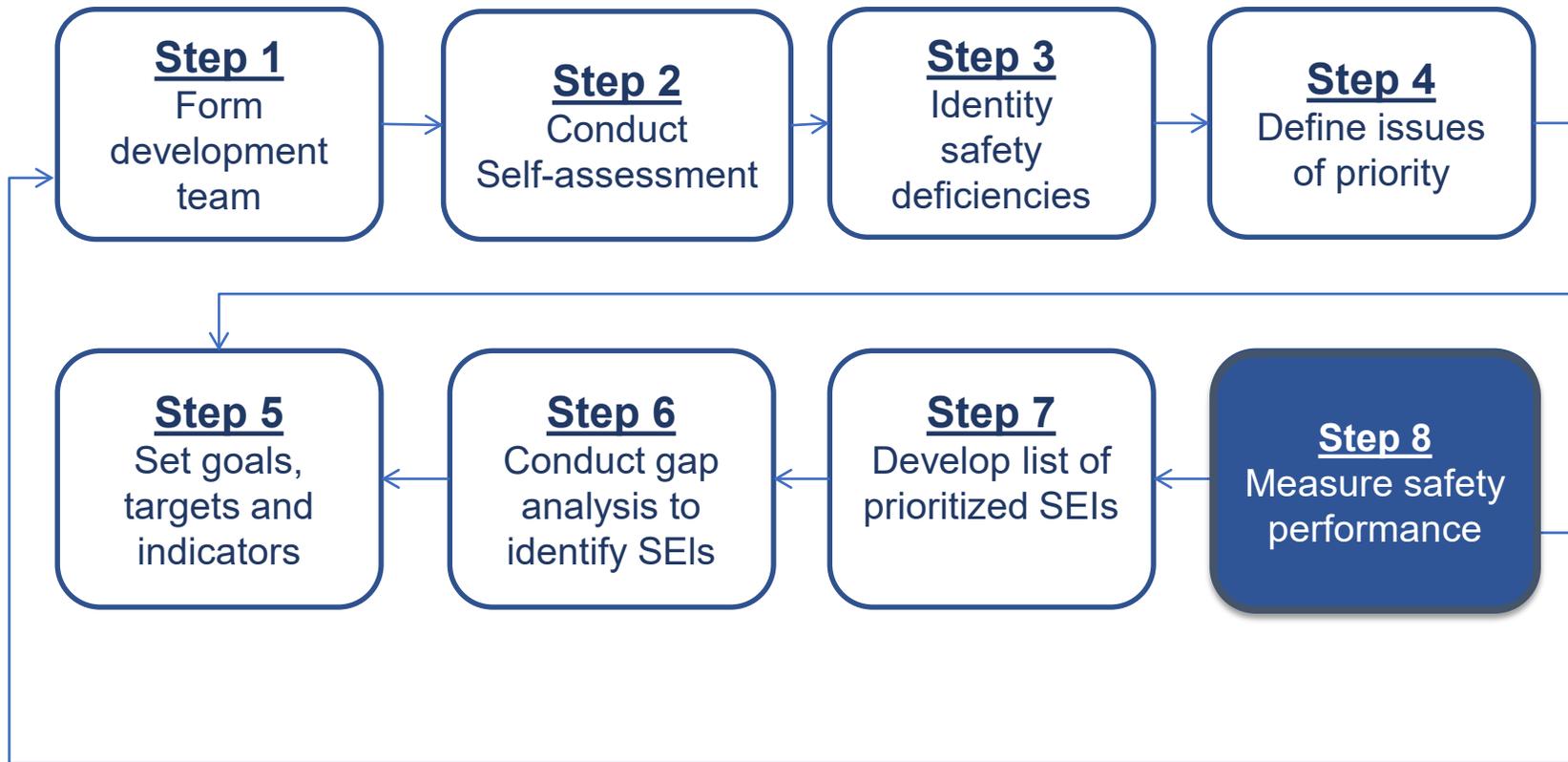


# Contents



- 1.1. NASP Development Process
- 2. PDCA Cycle
- 3. Monitoring *versus* Measurement
- 4. Accountability
- 5. NASP Checklist

# NASP Development Process



# Measure Safety Operational Performance

Input

Activities

Output



List of Prioritized  
SEIs  
(ORG/ OPS)

- Determination of monitoring mechanism
- Determination of performance measurement mechanism



Performance  
measurement and  
determined monitoring  
strategy



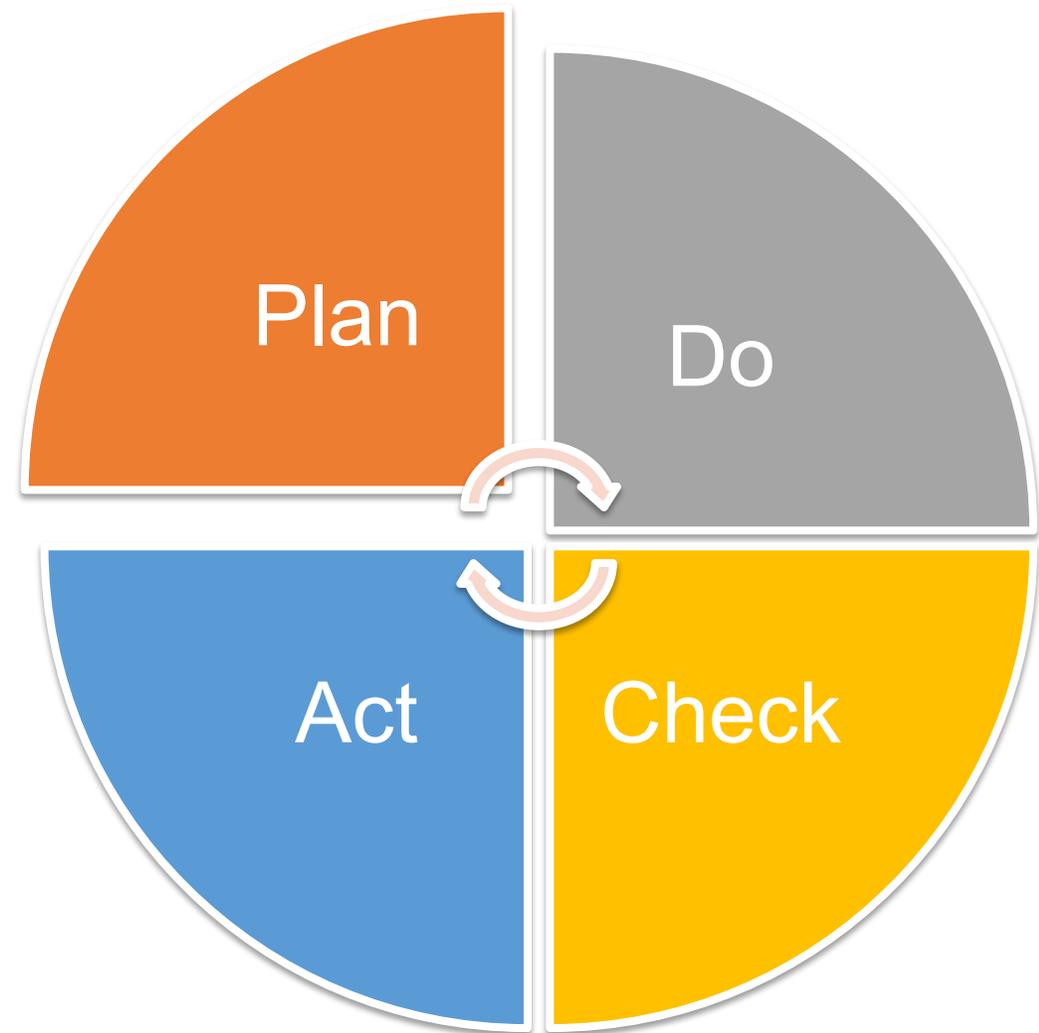
# Contents



- 1.1. NASP Development Process
- 2. PDCA Cycle
- 3. Monitoring *versus* Measurement
- 4. Safety Report
- 5. NASP Checklist

## PDCA Cycle

The NASP Strategy and Roadmap focus on the “planning” element of PDCA cycle and seek to guide action, however, other steps are required to accomplish continuous improvement.





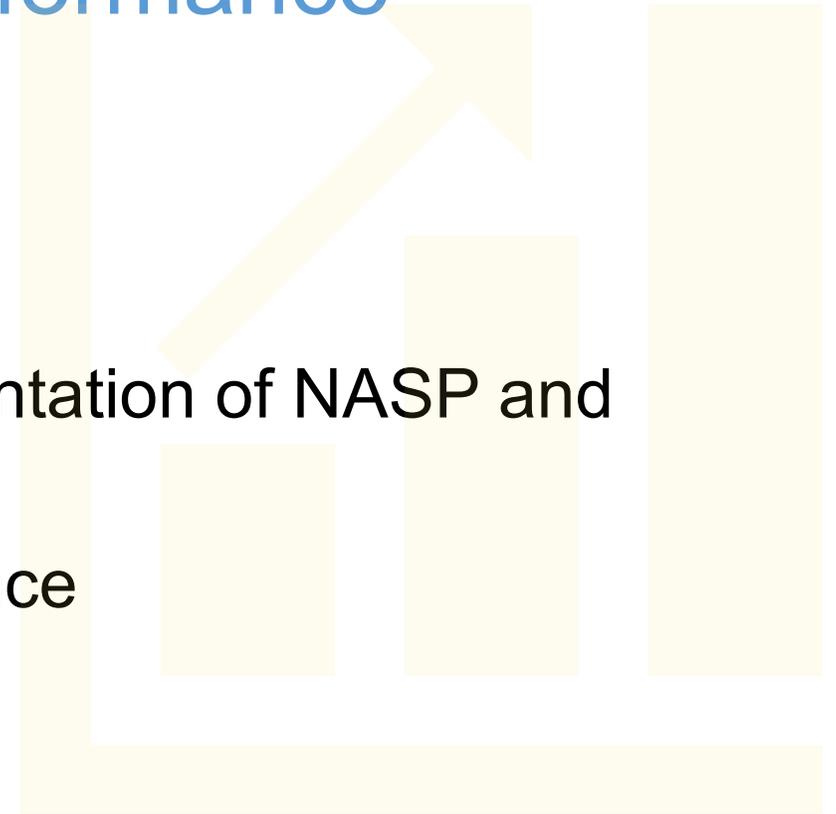
- ❑ The development team should **measure security performance** to monitor the implementation of NASP and assess its actual effectiveness in terms of improving safety at national level.
- ❑ The development team should **periodically monitor the implementation of SEIs** to ensure actions are being accomplished, that they are effective, and that any difficulties with implementation are dealt with.

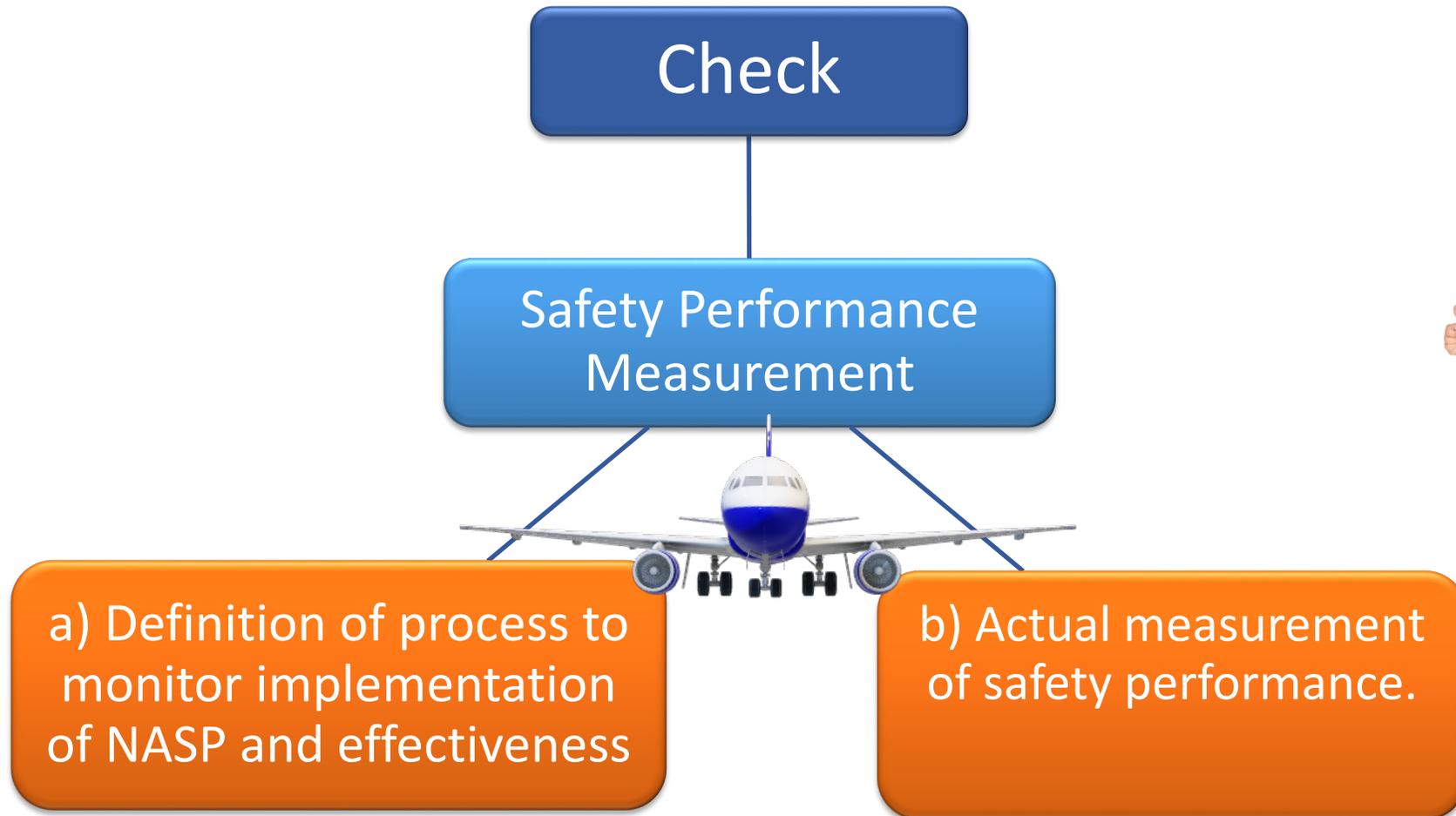




## Paso 8. Measure Safety Performance

- Final step is divided into two separate tasks
  1. Definition of process to monitor implementation of NASP and effectiveness
  2. Actual measurement of safety performance







## Contents

- 1.1. NASP Development Process
- 1.2. PDCA Cycle
- 1.3. Monitoring *versus* Measurement**
- 1.4. Safety Report
- 1.5. NASP Checklist



# Monitoring versus Performance Measurement

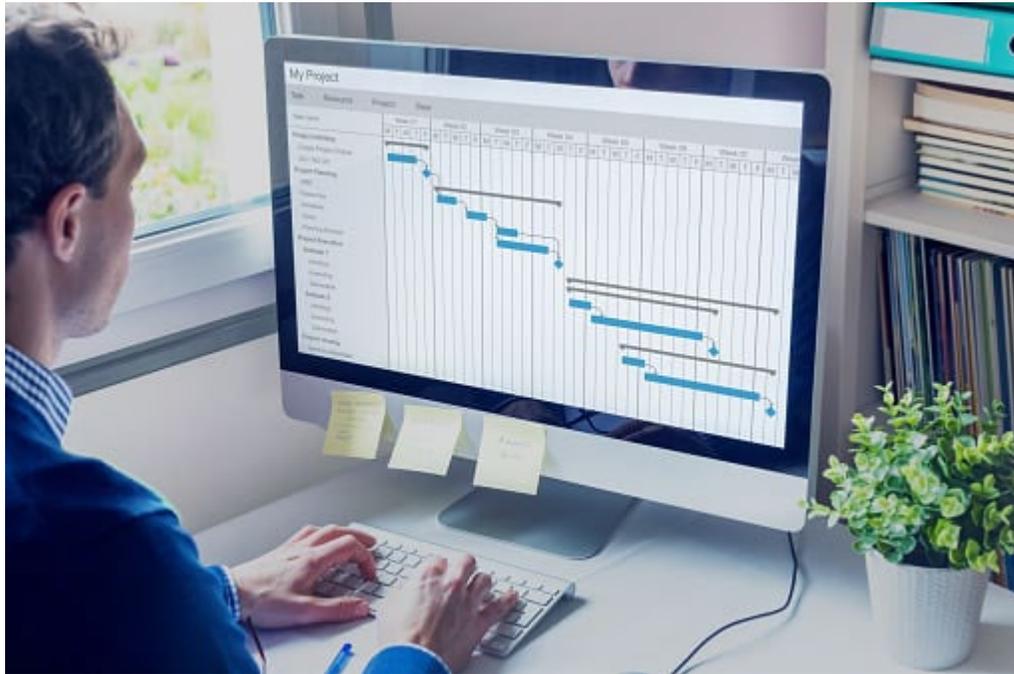
## Monitoring

- Verification of the state of the system, according to its processes and results.
- Continuous monitoring of a project or process, based on default values.

## Measurement

- Set of activities to obtain a value rating.
- **Se realiza de forma puntual.**
- It is carried out on a punctual deadline./It is done on time.

# Monitoring Implementation *versus* Performance Measurement





# Monitoring Implementation

- Other options, the State can opt for:
  - Control the implementation through some technological tool
  - Periodically meetings to monitor the progress of the actions and address any obstacles to the implementation.



# Performance Measurement

- The State should establish forecasts for the indicators measurement:
  - Determine aspects, such as: measure unit, periodicity of the measurement, source of data capture, record of it.
  - Determine actions in case it is determined that a particular goal cannot be accomplished.



# Contents

1.1. NASP Development Process

2. PDCA Cycle

3. Monitoring *versus* Measurement

4. **Safety Report**

5. NASP Checklist

# Accountability



- The establishment of a mechanism should be considered to inform stakeholders of progress made, such as:
  - A report with defined periodicity
  - An accountability meeting



# Safety Report





# Contents

- 1.1. NASP Development Process
- 2. PDCA Cycle
- 3. Monitoring *versus* Measurement
- 4. Safety Report
- 5. NASP Checklist



<i>Doc 10131</i>	<i>CONTENT OF THE NASP</i>	<i>Answer</i>	<i>Reference</i>
4.3.6 a)	Does it describe how the State will monitor the implementation of the SEIs listed in the NASP and how it will measure safety performance of the civil aviation system to ensure the intended results are achieved?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4.3.6 b)	Does it explain how corrections and adjustments to the NASP and its SEIs will be made and reported?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4.3.6 c)	Does it explain how each national safety target will be monitored to track performance?	<input type="checkbox"/> Yes <input type="checkbox"/> No	



<i>Doc 10131</i>	<i>CONTENT OF THE NASP</i>	<i>Answer</i>	<i>Reference</i>
4.3.6 d)	Does it describe how stakeholders will be provided with relevant up-to-date information on the progress made in achieving the national safety goals and targets, as well as the implementation status of SEIs?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4.3.6 e) 1)	Does it include an explanatory text addressing the following situation: “If the national safety goals and targets are not met, the root causes should be presented”?	<input type="checkbox"/> Yes <input type="checkbox"/> No	



<i>Doc 10131</i>	<i>CONTENT OF THE NASP</i>	<i>Answer</i>	<i>Reference</i>
4.3.6 e) 2)	Does it include an explanatory text addressing the following situation: “If the State identifies critical operational safety risks, reasonable measures will be taken to mitigate them as soon as practicable, possibly leading to an unscheduled revision of the NASP”?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4.3.6 f)	Does it explain that the State has adopted a standardized approach, as outlined by the RASG or other relevant regional entity, to provide information at the regional level?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4.3.6 g)	Does it include contact information for inquiries or further information?	<input type="checkbox"/> Yes <input type="checkbox"/> No	



# ICAO SAFETY



Gracias!!