NASP Presentation

18th of October 2023

KSA National
Aviation Safety Plan
(NASP)

KSA aviation safety Plan Purpose

KSA NASP is the master planning document containing the strategic direction of KSA for the management of aviation safety
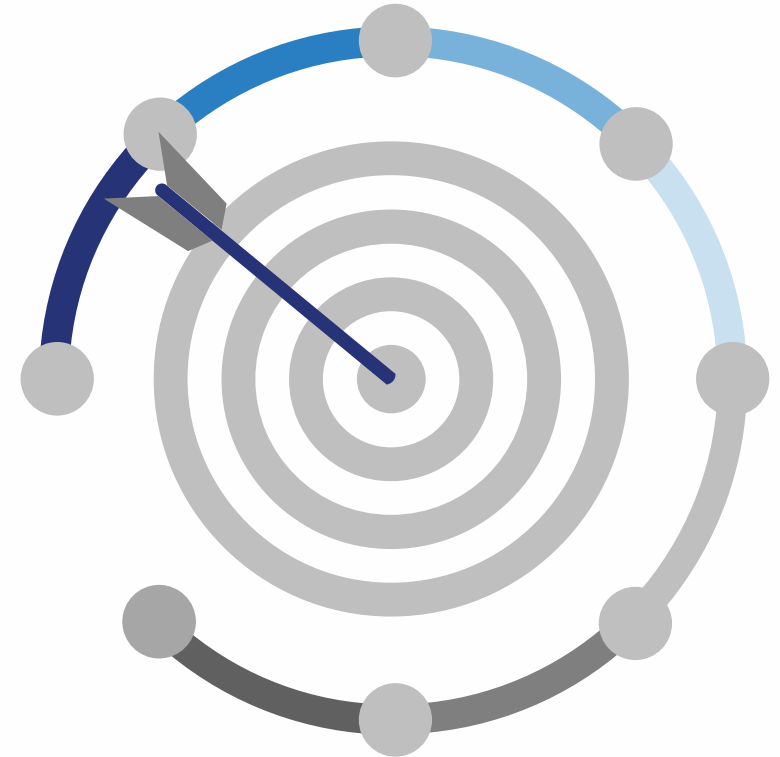
It complements the Saudi State Safety Program (SSP)

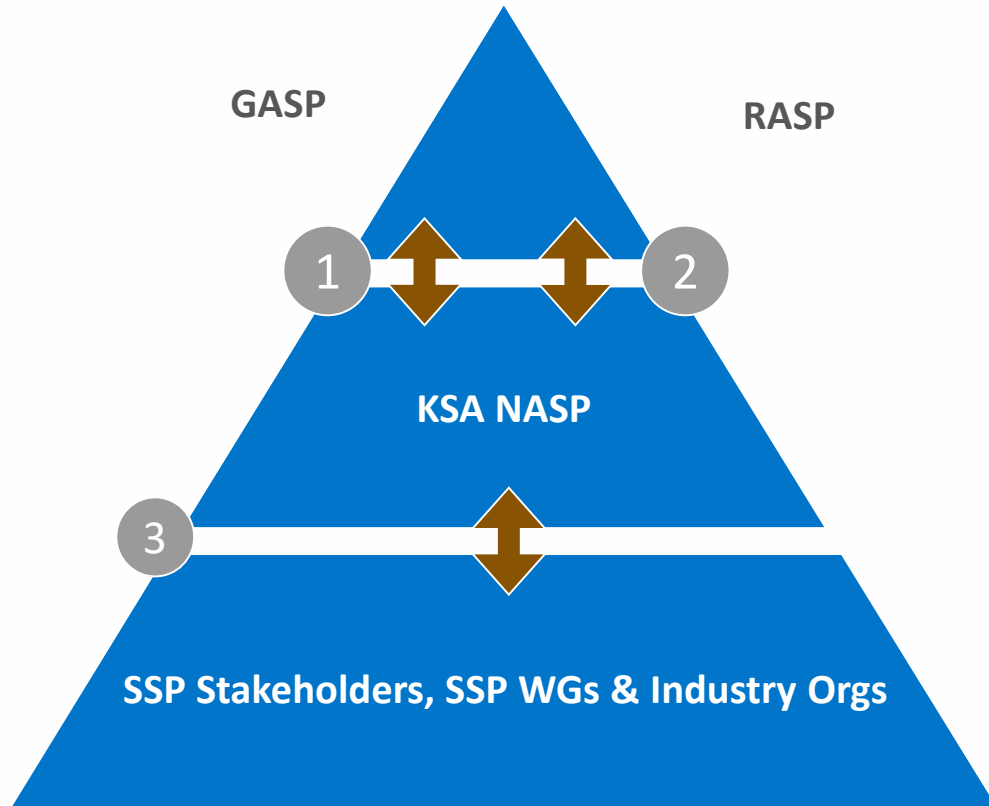Fulfilment of National and International obligations

KSA NASP is the continuous improvement element of KSA SSP

It prioritizes initiatives that aim to enhance aviation safety by identifying strategies and actions to reduce specific risks

The KSA NASP is aligned with GASP and RASP and will be cascaded to those of individual stakeholders

GASP

RASP

1 **2**

KSA NASP

3

SSP Stakeholders, SSP WGs & Industry Orgs

1 The NASP is fully aligned with GASP and RASP and addresses the regional and international concerns.

2 KSA NASP promotes the effective implementation of KSA's safety oversight system and following a risk-based approach to managing safety.

3 KSA NASP establishes Saudi Arabia safety goals, targets and initiatives

4 Through KSA NASP and SSP, aviation stakeholders affirm their commitment to the ongoing improvement of aviation safety

5 KSA NASP is the master planning document containing the strategic direction of KSA for the management of aviation safety for a period of three years 2023 to 2025

Saudi Arabia's Six aviation Safety Goals for 2023-2025

KSA NASP GOALS

6. Ensure KSA has the appropriate aviation infrastructure to support safe operations

1. Achieve a continuous reduction of operational safety risks

5. Expand the use of safety programs and safety information sharing network

2. Strengthen Saudi Arabia's safety oversight capabilities

4. Expand the collaboration at the regional level to enhance safety

3. Implement an effective State Safety Program

KSA National Aviation Safety Plan

GACA — General Authority of Civil Aviation

1. Foreword

KSA is committed to enhancing aviation safety and to the resourcing of supporting activities. The purpose of KSA national aviation safety plan (NASP) is to continually reduce fatalities, and the risk of fatalities, through the development and implementation of a national aviation safety strategy. A safe, resilient and sustainable aviation system contributes to the economic development of KSA and its industries. KSA NASP promotes the effective implementation of KSA's safety oversight system, a risk-based approach to managing safety, as well as a coordinated approach to collaboration between KSA and other States, regions and industry. All stakeholders are encouraged to support and implement KSA NASP as the strategy for the continuous improvement of aviation safety.

Air transport is essential to Saudi's economy, community and market access. Saudi Arabia recognizes that air navigation services, airport infrastructure and safety governance systems supported by qualified personnel are essential enablers for KSA broader economic interest.

This KSA National Aviation Safety Plan (NASP) describes KSA's commitment to continuously improve aviation safety management capabilities in order to reduce the risks of aviation operations. It complements KSA State Safety Program (SSP) to effectively manage aviation safety and ensure highest level of safety performance.

Through KSA NASP and SSP, aviation stakeholders affirm their commitment to the ongoing improvement of aviation safety, sufficient resourcing of activities and increased collaboration at the global, regional and national level.

KSA NASP establishes Saudi Arabia safety goals, targets and initiatives consistent with the International Civil Aviation Organization's Global Aviation Safety Plan (GASP, Doc 10004)) and the Middle East Regional Aviation Safety Plan (RASP). KSA NASP is subject to a triennial review cycle.

Saudi Arabia's six aviation safety goals for 2023–2025 are to:
1. achieve a continuous reduction of operational safety risks;
2. strengthen Saudi Arabia's safety oversight capabilities;
3. Implement an effective State Safety Program;
4. expand the collaboration at the regional level to enhance safety;
5. expand the use of safety programs and safety information sharing network; and
6. ensure Saudi Arabia has the appropriate aviation infrastructure to support safe operations.

To achieve these goals, Saudi Arabia has developed operational and organizational 'roadmaps' comprising a range of defined safety enhancement initiatives and actions. Success will be measured against respective safety performance indicators and targets.

Sig.:_____

President of General Authority of Civil Aviation
KSA SSP Accountable Executive
Kingdom of Saudi Arabia

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Global, Regional and National Challenges and Main Operational Risks.

Global | **Regional** | **National**

1 Challenges & Risks

1. Global Org Challenges
   - Effective Safety Oversight
   - State Safety Program Implementation

2. Global Operational Safety Risks
   - Controlled Flight Into Terrain
   - Loss of Control In-Flight
   - Mid-Air Collision
   - Runway Excursion
   - Runway Incursion

3. Emerging Issues

2 Challenges& Risks

1. Lower USOAP EI scores

2. SSP development & implementation, and SMS acceptance

3. Regional Cooperation

4. Oversight on Dangerous Goods

5. Human factors and Competence of Personnel

6. security risks with safety

7. Insufficient resources

8. airspace structure

9. Covid -19 Pandemic Impact

10. Risks in Commercial Air Transport above 5,700 kgs, LCI, RE/RI, CFIT and MAC.

11. Emerging risks

3 Challenges & Risks

1. Operational Risks: Wildlife including bird strike & FOD

2. KSA market growth

3. Operational Complexity

4. Remotely Piloted Aircraft System

5. Emerging technology

6. Organisational complexity

7. General Aviation operations using light aircraft (5700 kg or less)

Ongoing Safety Enhancement Initiatives

SEI	Target date
Enhance strategic collaboration amongst KSA key aviation stakeholders to support ongoing SSP implementation	2023
Participate in the Regional aviation safety groups	
Continue ensuring the Saudi civil aviation safety regulatory regime is optimized for aviation safety performance and aligned to the standards and practices of ICAO and other best practices.	2024
Enhance KSA's regulatory services and compliance monitoring of the aviation industry to assure aviation safety performance meets regulatory requirements	
Further development of KSA's air traffic services and airspace infrastructure to ensure maintaining safe operations	
Embed safety risk management at national level	
Ensure KSA safety oversight capability is responsive to new or emerging threats or trends	2025