SSP Safety Performance Indicators (SPIs)

The State should:

• Establish lower consequence safety and/or quality indicators with appropriate target and alert monitoring (mature ALoSP).
• Safety indicators development and selection should be congruent to the State’s safety objectives and safety policy.
• They should be appropriate and relevant to the scope and complexity of the State’s aviation activities.
• Periodic monitoring of the safety indicators for any undesirable trends, alert level breaches and target achievement should be performed.
SPI Pyramid

Publish

Key Indicators

Agree on Indicators

Select

Extract

Digitize

Exchange

Data

Metrics

Performance characteristics in

States

Airports

Events

Airlines

Airspaces
ICAO Global Aviation Safety Plan

Figure 1: GASP Framework

- Safety Performance Enablers
  - Standardization
  - Collaboration
  - Resources
  - Safety Information Exchange

- Effective Safety Oversight

- Safety Management

- Predictive Risk Modelling
ICAO GASP Objectives

Figure 2: Overview of strategy to achieve GASP objectives

- States/stakeholders support RASG with the sharing of information
- RASGs to incorporate regional monitoring and safety management programmes
- States with effective safety oversight to fully implement SSP
- All States fully implement effective safety oversight systems
- All States implement predictive risk capabilities as necessary to support future Air Navigation Systems
## European Safety Plan

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**HUMAN FACTORS AND PERFORMANCE**
Belgian Safety Plan

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1.10 In order to achieve a high level of safety, CAA has developed the following strategic objectives for aviation safety²:

- The CAA regulates the safety of UK aviation, in partnership with EASA, by approving and overseeing the organisations and individuals involved in UK aviation that fall within its remit;

- The CAA will continue to use and develop a risk-based approach to ensure that UK aviation complies with European and UK legislation and requirements;

- The CAA will work collaboratively with industry to continuously improve aviation safety and address safety issues;

- Where required, the CAA will take any necessary actions to ensure safety is not compromised and will ensure that the high safety standards within UK airspace, and its supporting infrastructure, are maintained, with potential risks identified and appropriate mitigating actions taken;

- The CAA will draw upon worldwide and UK data to identify safety trends applicable to UK aviation, prioritizing this information to focus on the most significant safety issues;

- The resulting safety improvement initiatives will be captured in the CAA Safety Plan, which will be used as a means of monitoring progress and effectiveness.
Dutch Objectives

1. A high level of safety and continual improvement
   Towards what level of safety do we strive? The perception of safety changes through time, as does the confidence of Dutch citizens in the safety of Dutch aviation. For this reason, the target for aviation safety is not only expressed in figures, but also in the objective that the Netherlands, in keeping with the European objective, wishes to be among the best in the world. It is also in line with Cabinet policy that the Netherlands wants to be an ambitious and authoritative country in Europe and the world.

2. The sector takes responsibility itself. Red tape and administrative burden will be reduced.
   Aviation is a sector in which it has been proven that safety is of paramount importance. This means that it is possible to grant more freedom for the sector to take responsibility itself on the basis of thorough safety management systems. For airlines which abide well by the rules, the burden of supervision declines as a result. Safety is actually expected to improve more if organisations focus on possible risks and start to tackle them, rather than just being inspected all the time. The sector has the responsibility of improving safety itself, without detailed rules imposed by the government.

The starting point is that the red tape and administrative burden for companies will be limited as much as possible. In addition, safety costs money. An attempt must also be made to restrict the costs of safety measures as much as possible. This demands a different role for the government organisation, tailored to this in qualitative terms. Appropriate regulations and meta-supervision must guarantee that there is room for own responsibility whilst countering abuse.
Dutch Vision

External influences (the Environment / Security / Capacity)

- Can be marginally influenced
  - International Policy
- Govt.
- Sector

- National Policy
- ABL
- Operations
- Admission

- Accident and Incident investigation

- Leading indicators
- Safety results
  - Runway Incursions
  - Bird Strike
  - Push Back inc.
  - Collision on Ground
- Lagging indicators
What are your goals and objectives?
Step 1: Each small group defines 4-5 goals (brief, clear and rational sentences).

Step 2: Collectively, the group decides on a set of safety goals.

Step 3: Each small group gets a goal and develops a rationale for it.

Step 4: Collectively, the group identifies a list of relevant datasets/data sources and determines the availability of data.

Step 5: The group defines key indicators, supporting metrics and further elements needed to achieve each goal.