Auditing Effectiveness

SMICG Method under IOSA

IATA Operational Safety Audit (IOSA)

14 June 2019

IATA

Background

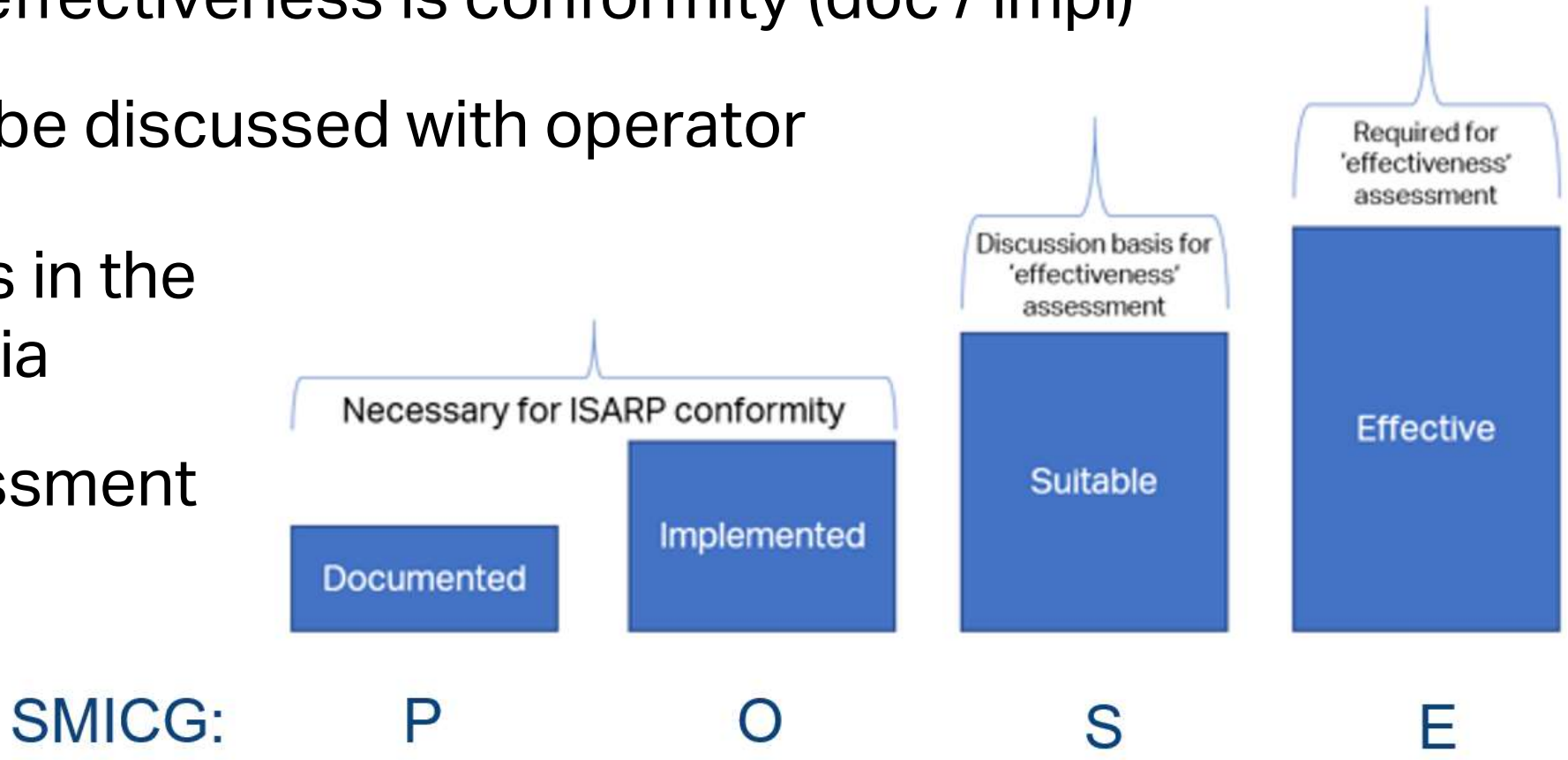
- Need for effectiveness assessment identified by IATA
- BOG decided to use existing methodology (SM-ICG)
- Regulatory endorsement & support
- Mandate given to IOC and Program Office for implementation

Development

- Project started June 2018
- Analysis of the IOSA program and weaknesses
- Review and adapt SM-ICG methodology
- Development of potential solutions
- Review by IOC of proposed solution in Aug 2018
- Refinement of methodology through ORG Technical Group
- Finalized methodology Feb 2019

Elements of Effectiveness

- Baseline for effectiveness is conformity (doc / impl)
- Suitability to be discussed with operator
- Effectiveness in the form of criteria
- Overall assessment captured in a new ISARP



Assessment Tool

- Used by the auditor to assess effectiveness
- Made up of the following three components
  - Desired outcome
  - Suitability Criteria
  - Effectiveness Criteria

Desired Outcome

The Operator maintains an overview of its operational risks and through implementation of mitigation actions, as applicable, ensures risks are at an acceptable level.

Suitability (Suitable to the size, complexity and nature of operations)

Number and type of analyzed hazards and corresponding risks
Means used for recording risks and mitigation (control) actions.
Safety data used for the identification of hazards

Effectiveness

- ☐ (i) All relevant hazards are analyzed for corresponding safety risks.
- ☐ (ii) Safety risks are expressed in at least the following components:
  - Likelihood of an occurrence;
  - Severity of the consequence of an occurrence.

  Likelihood and severity have clear criteria assigned.
- ☐ (iii) A matrix quantifies safety risk tolerability to ensure standardization and consistency in the risk assessment process which is based on clear criteria.
- ☐ (iv) Risk register(s) across the organization capture risk assessment information, risk mitigation (control) and monitoring actions.
- ☐ (v) The risk mitigation (control) actions include time lines, allocation of responsibilities and risk control strategies such as hazard elimination, risk avoidance, risk acceptance, risk mitigation.

Current Status

- Detailed guidance developed for auditors & operators
- Assessment Tools published as a Temporary Revision to ISM
- All auditors trained through webinars
- Methodology will start 16 June 2019
- All operators will be audited without exception

Feedback

- Progress of methodology will be closely monitored
- Feedback survey at the end of each audit
- Review of reports
- First feedback to IOC in Aug 2019 from approx. 35 audits
- Detailed feedback to IOC & SM-ICG in Feb 2020