



# EASA

European Aviation Safety Agency

# Eye opener: Inspector 2.0 The evolution

CAMO SMS Workshop

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**Your safety is our mission.**

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# Fast pace of changes – new business models





# Changing regulatory environment





# New challenges

- ❑ Today the scope of compliance is much broader
- ❑ Grayer (more difficult to monitor and to understand) area including risks not covered by regulation
- ❑ Limited resources
- ❑ Expansions of rules and principles is raising the level of overall risks



# Meanwhile

- ❑ Compliance function was not built to cope with these emerging challenges
- ❑ The importance of “operational” expertise to provide constructive input and “credible challenge” is more evident
- ❑ Current “check-the-box” rule based testing processes do not provide adequate coverage over emerging risks



NEW MiNDSET



NEW RESULTS



# Inspector evolution

## New mindset

### Adopt lean principles

(mindset of continuous improvement and eliminate non added value activities )



Focus on outcome

### Leverage analytics

(use of data analysis and information to provide an improved understanding)

Importance of the preparation



# RISK BASED APPROACH

## **The risk-based approach:**

Audit resources are directed towards those areas that may contain misstatements (either by error or omission) as a consequence of the risks faced by the business.

The formula for the audit risk model is:

**Audit risk = Inherent risk x Control risk x Detection risk**

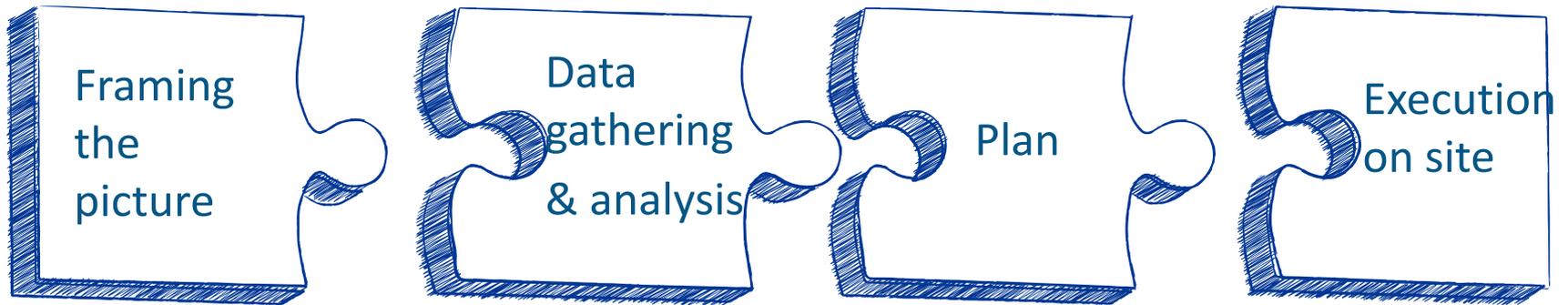


**PLAN** = Establish the scope and evaluate compliance. Analyze possible outcome and consequences

**DO** = Identify and prioritize risks. Challenges the authority.

**CHECK** = Compliance, on site focus on the identified areas

**ACT** = Continuous monitoring



- Define scope
- Identify impact and complexity
- Identify data needed

- Collect and validate data
- Assess compliance and risks
- Evaluate outcome
- Prioritize

- Inspection program
- UT definition

- Challenge the system
- Confirmation of the analysis



# HOW DO WE MAKE OUR JOB EASIER, WITHOUT SACRIFICING COMPLIANCE?

- Shift mindset and attitude
- Reduce focus on area without added value
- Focus on outcome scenario and prioritize
- “Shake the tree” – challenging the information



...  
for what is thought  
to be best in any relation  
point of view.

# Competence

being competent; fit  
adequateness: as, the  
competence for the ta  
for what is thought r  
... any rel



# Inspector competence

- Understanding risk management principles and technique
- Understanding the relevance of hazard logs developed by the organizations
- Develop skills in understanding the adequacy of safety risk assessment performed by the organization



# Organization / Safety Manager Competence

- Understanding of risk management principles and techniques
- Experience in implementing a SMS
- Experience and qualification in aviation accident investigation
- Experience and qualification in conducting safety/compliance audits
- Sound knowledge of aviation regulatory frameworks
- Analytical skills



# Typical Finding

- ❑ SMS Manual copied and not reflecting the specificities of the operators
- ❑ Risk only reactive based on ASR and not proactive
- ❑ No risk analysis at all
- ❑ No Change management
- ❑ No mitigating measures
- ❑ No real SRB



# Example of a finding

When reviewing the operator's safety management system it was found that:

- ❑ The hazard identification does not reflect the actual operator's operation
- ❑ The hazard identification is not pro-active
- ❑ The operator could not demonstrate how it ensured control of identified risks (mitigation)
- ❑ The operator could not demonstrate how it managed safety risks related to changes



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The end!



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