



EUROPEAN AVIATION SAFETY AGENCY  
AGENCE EUROPÉENNE DE LA SÉCURITÉ AÉRIENNE  
EUROPÄISCHE AGENTUR FÜR FLUGSICHERHEIT

# Level of involvement in product certification

Frédéric Copigneaux

5 December 2012

Your safety is our mission.  
[easa.europa.eu](http://easa.europa.eu)

# Relation to other projects

**What**

- NPA 16-2006 – Step 1  
CE regulation 748/2012

Level of  
involvement

- NPA 16-2006 – Step 2

**How much**

- MDM 060  
Safety management  
system according to  
ICAO future annex 19



## Nature of involvement in product certification

- The respective responsibilities and duties of the applicant and Agency are defined in the rule (Part 21, annex 1 to CE regulation 748/2012):
  - 21.A.20(a): The applicant for a type-certificate or a restricted type-certificate shall demonstrate compliance with the applicable type-certification basis and environmental protection requirements and shall provide the Agency with the means by which such compliance has been demonstrated.
  - 21.A.33(d): The applicant shall allow the Agency to review any report and make any inspection and to perform or witness any flight and ground test necessary to check the validity of the declaration of compliance submitted by the applicant under point 21.A.20(d) and to determine that no feature or characteristic makes the product unsafe for the uses for which certification is requested.



# Level of involvement

- The aim of this project is to define principles to be used **by the Agency to determine its level of involvement:**
  - Based on tangible criteria,
  - According to the overall safety risk (risk based approach),
  - Without changing the share of responsibility defined by Part 21.



# LOI and TC process



- Familiarisation
  - Determination of TC basis
- 

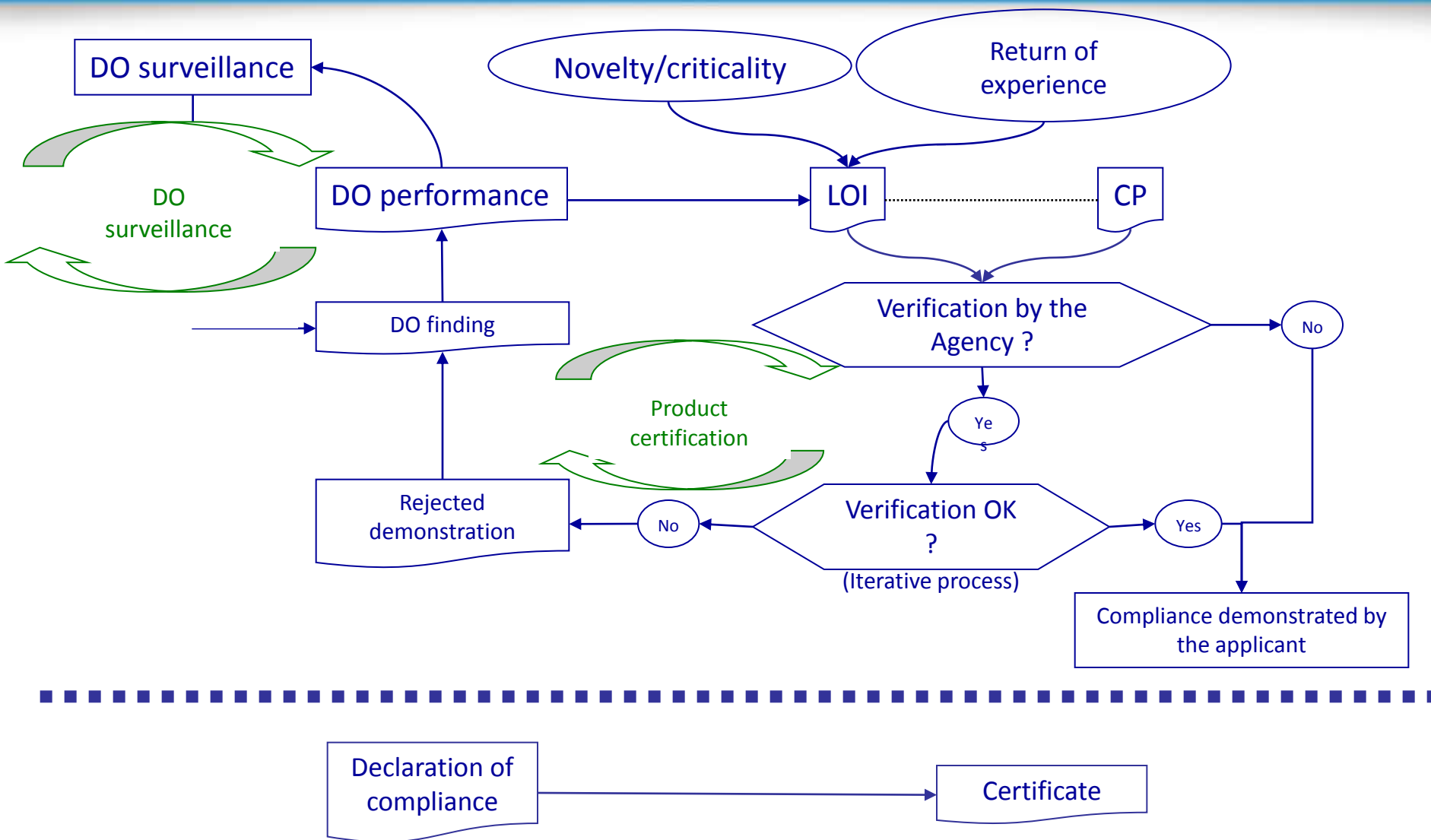


- Certification Programme and LOI
  - Compliance demonstration
- 



- Declaration of compliance
- Final report
- Issuance of TC

# LOI and SMS





# Principle for AMC to 21.B.20B (b)

Criticality and novelty of the technical or operational domain



Technical or operational domain			
Novel domain for the Applicant, the Agency or both <b>and</b> critical item	<b>V</b> Verification of the demonstration of compliance	<b>V</b> Verification of the demonstration of compliance	<b>V</b> Verification of the demonstration of compliance
Novel domain for the Applicant, the Agency or both <b>or</b> critical item	<b>V</b> Verification of the demonstration of compliance	<b>S</b> Selection by sampling of the demonstrations to be verified	<b>NV</b> No verification of the demonstration of compliance
Domain in which the Applicant has demonstrated experience and non critical item	<b>S</b> Selection by sampling of the demonstrations to be verified	<b>NV</b> No verification of the demonstration of compliance	<b>NV</b> No verification of the demonstration of compliance
	Level C performance design organisation	Level B performance design organisation	Level A performance design organisation

Level of performance of the design organisation



The performance levels (A, B, C) of the design organisations should be determined in such a way that:

Level B: is accessible to a majority of design organisations. It will give them additional privileges, compared to today's situation,

Level A: is an incentive for a minority of "top performers" to progress even further.

It is expected that performance level are established at panel or discipline level.





# Next steps in the project

- The LOI was developed by the C directorate following an agreement between the R and C directors:
  - The project will be handed over to R with an "industry advice" on its future;
- "Industry advice" (pre-consultation) will be sought before the end of the year:
  1. Is the project supported by industry ,
  2. What should be its priority:
    - 2.A Separate independent priority rulemaking task (fast track), or
    - 2.B Part of rulemaking task MDM060 (incorporation of SMS in part 21.