



# **Noise Certification Workshop**

## **Session 4: Documentation**

### **Annex 16, Volume I, Attachment G: Guidelines for the administration of noise certification documentation**

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## Noise Certification Documentation

**Correct, clear and unambiguous information  
is needed.**

## Standardization

### Standard

*(Annex 16, Volume I, Chapter 1)*

- ✱ Items Identified and defined
- ✱ Common numbering of items

### Guidance

*(Annex 16, Volume I, Attachment G)*

- ✱ Three Options for noise certification documentation
  - 1. One document
  - 2. Two complementary documents
  - 3. Three complementary documents

## Items Identified for Noise Certification Documentation (1)

Item 1. Name of State

Item 2. Title of the noise document

Item 3. Number of the document

Item 4. Registration mark

Item 5. Aircraft Type

Item 6. Aircraft serial number

## Items Identified for Noise Certification Documentation (2)

Item 7. Engine

Item 8. Propeller

Item 9. Maximum take-off mass and unit

Item 10. Maximum landing mass and unit

Item 11. Chapter and section

Item 12. Additional modifications

## Items Identified for Noise Certification Documentation (3)

Item 13. Lateral/full-power noise level

Item 14. Approach noise level

Item 15. Flyover noise level

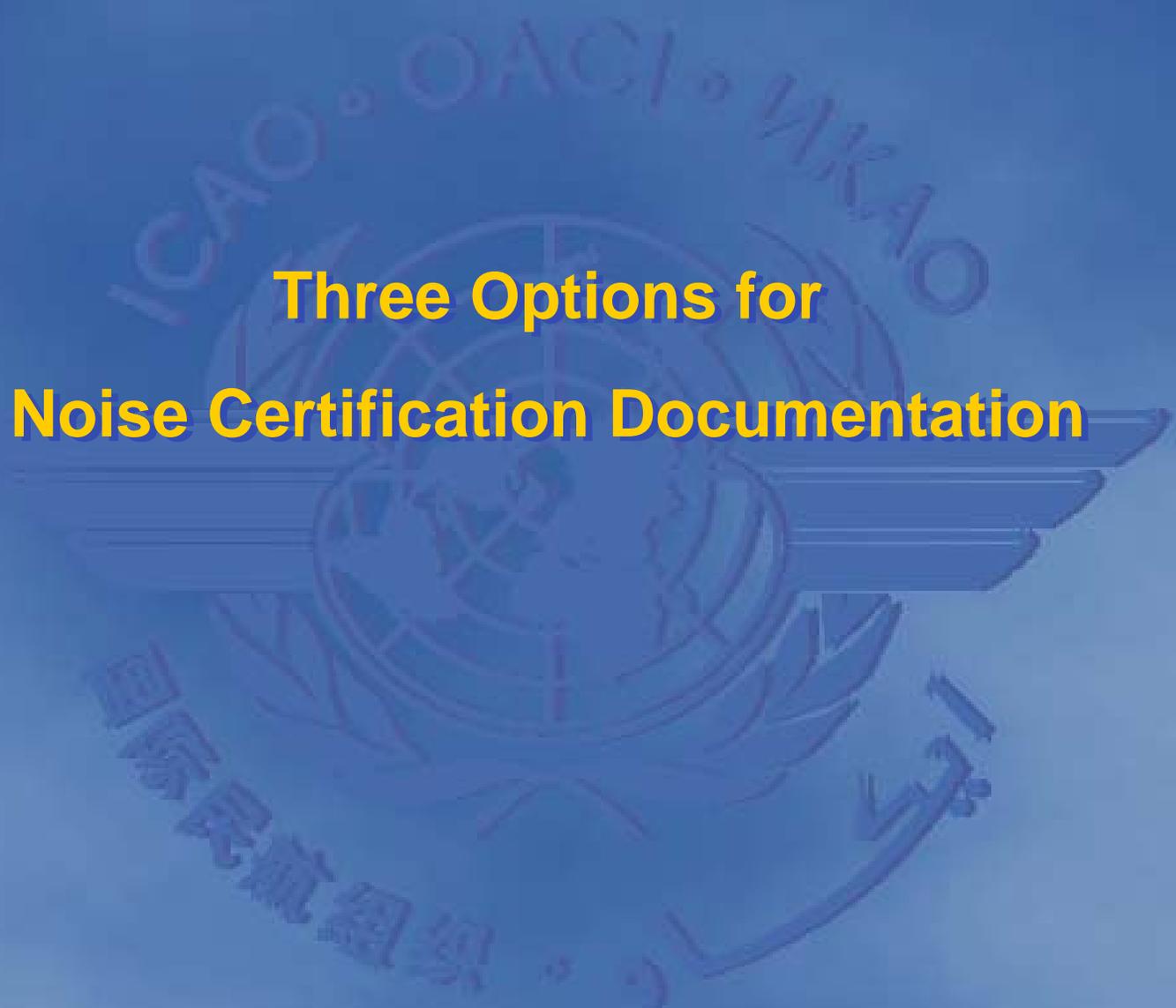
Item 16. Overflight noise level

Item 17. Take-off noise level

Item 18. Statement of compliance

Item 19. Date of issuance

Item 20. Signature



# Three Options for Noise Certification Documentation

# Option 1: One Document

## Noise Certificate

- Each item numbered
- One format fits all
- Remarks box for flexibility

For use by State of Registry		1. <State of Registry>		3. Document Number:	
<b>2. NOISE CERTIFICATE</b>					
4. Nationality and Registration Marks:		5. Manufacturer and Manufacturer's Designation Of Aircraft:		6. Aircraft Serial Number:	
7. Engine:		8. Propeller: *			
9. Maximum Take-Off Mass:		10. Maximum Landing Mass:*		11. Noise Certification Standard:	
..... kg.		.....kg		.....	
12. Additional modifications incorporated for the purpose of compliance with the applicable noise certification standards:					
.....					
13. Lateral/Full-Power Noise Level: *		14. Approach Noise Level*	15. Flyover Noise Level*	16. Overflight Noise Level*	17. Take-off Noise Level*
.....		.....	.....	.....	.....
Remarks					
18. This Noise Certificate is issued pursuant to Annex 16, Volume I to the Convention on International Civil Aviation. In respect of the above-mentioned aircraft, which is considered to comply with the indicated noise standard when maintained and operated in accordance with the relevant requirements and operating limitations.					
19. Date of Issue..... 20. Signature.....					

## Option 2: Two Documents (1)

### First document:

- Identification of aircraft
- Statement of compliance

### Second document:

- Other Information

## Option 2: Two Documents (2)

Doc 1  
A/C reg = CH3



Doc 2  
Engine = ###  
TONL = ###  
Add. Mods:  
Silencer XYZ

Basic compliance statement  
(items 1 - 6 and 18 - 20)

Other items  
(items 7 - 17 as applicable),  
remarks

## Option 2: Two Documents (3)

### Example

State that uses Certificate of Airworthiness (CofA) as “document attesting noise certification”.

- Document 1 is CofA
- Document 2 AFM page

### Format of second document

- Use basic format as much as possible
- Use numbering system

## Option 3: Three Documents (1)

### First document

- Statements of compliance
- Identification of aircraft

### Second document

- List of possible noise configurations

### Third document

- Identifies current noise configuration by reference to second document

## Option 3: Three Documents (2)

Doc 1  
A/C reg = CH3

Basic compliance statement

Doc 2  
Config. 1...92 dB  
Config. 2...94 dB

List of possible noise configurations  
for this (fleet of) aircraft

Doc 3  
Date: dd-mm-yyy  
Active config = 2

Defines which configuration is valid

## Option 3: Three Documents (3)

- ✱ This option may be used in cases where flexibility is needed
- ✱ Issuing and updating the third document according to a “national regulated process”
- ✱ Different categories of aircraft may use different options

## Final Remarks

- ✿ The Format is guidance only
- ✿ If multiple documents are issued, it should be obvious which document is applicable

