



**دستورالعمل های هواپیمائی کشوری**  
**Civil Aviation Directive (CAD)**  
**CAD 3408**

**خصوصیات تایید برای انتشار گاز های خروجی موتور هواپیما**  
**و سر ریز سوخت**

**Certification Specifications for**  
**Aircraft Engine Emissions and Fuel Venting**

## **Aircraft Engineering Department**

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**دفتر مهندسی نظارت بر طراحی و ساخت**  
**وسایل پرنده**

بسم الله الرحمن الرحيم



دستورالعمل هواپیمایی کشوری جمهوری اسلامی ایران

بخش ۳۴۰۸

**Civil Aviation Directive of IR.IRAN**

**CAD 3408**

خصوصیات تایید برای انتشار گاز های خروجی موتور هواپیما

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**AMENDMENTS**

The issue of amendments is announced regularly in the CAO.IRI website, which holders of this publication should consult. The space below is provided to keep a record of such amendments.

**RECORD OF AMENDMENTS AND CORRIGENDA**

AMENDMENTS		
No.	Date	Entered by

CORRIGENDA		
No.	Date	Entered by

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### CAD 3408

### **Aircraft Engine Emissions and Fuel Venting**

BOOK 1 - Aircraft Engine Emissions and Fuel Venting requirements

BOOK 2 - Acceptable Means of Compliance and Guidance Material

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## Forward

1. For the definitions and abbreviations on this Regulation may refer to the CAO.IRI CAD-Definitions.
2. The content of Book 1 is Aircraft Engine Emissions and Fuel Venting requirements and Book 2 is Acceptable Means of Compliance and Guidance Material.

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**CAO.IRI Certification Specifications**  
**for**  
**Aircraft Engine Emissions and Fuel Venting**

**CAD 3408**  
**Book 1**

**Aircraft Engine Emissions and Fuel Venting**  
**requirements**

## **BOOK 1**

### **3408.1 Fuel venting**

The aircraft must be designed to comply with the applicable fuel venting requirements defined under 21A.18 (b) (1).

### **3408.2 Aircraft engine emissions**

(See AMC 3408.2 and GM 3408.2)

The aircraft engine must be designed to comply with the applicable emission requirements defined under 21A.18 (b) (2) and (3).



**CAO.IRI Certification Specifications**  
**for**  
**Aircraft Engine Emissions and Fuel Venting**

**CAD 3408**

**Book 2**

**Acceptable Means of Compliance**  
**and Guidance Material**

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## BOOK 2

### AMC 3408.2 Aircraft engine emissions

The acceptable means of compliance for aircraft engine emissions are presented in:

- (a) for measurement of reference pressure ratio, Appendix 1 of CAO.IRI ICAS 116 Volume II;
- (b) for smoke emission evaluation, Appendix 2 of CAO.IRI ICAS 116 Volume II;
- (c) for instrumentation and measurement techniques for gaseous emissions, Appendix 3, except for its attachments, of CAO.IRI ICAS 116 Volume II;
- (d) for specification for fuel to be used in aircraft turbine engine emission testing, Appendix 4 CAO.IRI ICAS 116 Volume II;
- (e) for instrumentation and measurement techniques for gaseous emissions from afterburning gas turbine engines, Appendix 5, except for its attachments, of CAO.IRI ICAS 116 Volume II; and
- (f) for compliance procedure for gaseous emissions and smoke, Appendix 6 of CAO.IRI ICAS 116 Volume II.

### GM 3408.2 Aircraft engine emissions

Guidance material for the application of the certification specifications for aircraft engine emissions is presented in:

- (a) for instrumentation and measurement techniques for gaseous emissions, the attachments to Appendix 3 of CAO.IRI ICAS 116 Volume II; and
- (b) for instrumentation and measurement techniques for gaseous emissions from afterburning gas turbine engines, the attachments to Appendix 5 of CAO.IRI ICAS 116 Volume II.