



Flight Operations Standards Directorate
Commercial Air Transport Section - AOC Training & Checking Arrangements
Operations on More Than One Type or Variant Approval Application Form

A. FOR AOC HOLDER USE ONLY.

1. AOC Holder Details.

• Operator name			
• Base airplane details			
• <input type="checkbox"/> Difference Airplane details <input type="checkbox"/> Variant Airplane details			
• Training post holder contact details	Name	Phone No.	E-Mail

2. Base Airplane Details.

• Make	
• Model	
• Series	

3. Difference/ Variant Airplane Details.

• Make	
• Model	
• Series	

4. JCARs Terminology for Operations on more Than One Type or Variant.

No.	Events	JCAR OPS 1
a	Base airplane. An airplane or a group of airplanes, designated by an operator and used as a reference to compare differences with other airplane types/variants within an operator's fleet	AMC OPS 1.980 1.1 a
b	Airplane variant. An airplane, or a group of airplanes, with the same characteristics but which have differences from a base airplane which require additional flight crew knowledge, skills, and or abilities that affect flight safety	AMC OPS 1.980 1.1 b



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5. Operator Study on the Differences between Airplane Types or Variants for the Acceptance of Operations on More Than One Type or Variant. The first stage in any operator's submission for crew multi-type or variant operations is to consider the differences between the types or variants - whether or not the two airplane types or variants are sufficiently similar to allow the safe operation of both. The principal differences are in the following three areas:

a. Level of Technology. The level of technology of each aircraft type or variant under consideration encompasses at least the following design aspects:

• Base Airplane:		• Difference/Variant Airplane:			
No.	Level of Technology Events	Difference Summary		Similarity	
		Base Airplane:	Deference/Variant Airplane:	YES	NO
(1)	Flight deck layout (e.g. design philosophy chosen by a manufacturer)				
(2)	Mechanical versus electronic instrumentation				
(3)	Presence or absence of Flight Management System (FMS)				
(4)	Conventional flight controls (hydraulic, electric or manual controls) versus fly-by-wire				
(5)	Side-stick versus conventional control column				
(6)	Pitch trim systems				
(7)	Engine type and technology level (e.g. jet/turboprop/piston, with or without automatic protection systems)				

b. Operational Differences. Consideration of operational differences involves mainly the pilot machine interface, and the compatibility of the following:

• Base Airplane:		• Difference/Variant Airplane:			
No.	Operational Differences Events	Difference Summary		Similarity	
		Base Airplane:	Deference/Variant Airplane:	YES	NO
(1)	Paper checklist versus automated display of checklists or messages (e.g. ECAM, EICAS) during all procedures				
(2)	Manual versus automatic selection of nav. aids				
(3)	Navigation equipment				
(4)	Aircraft weight and performance				

c. Handling Characteristics. Consideration of handling characteristics encompasses flight and ground characteristics as well as performance influences (eg. number of engines) the capabilities of the autopilot and auto thrust systems may affect handling characteristics as well as operational procedures, to includes:

• Base Airplane:		• Difference/Variant Airplane:			
No.	Operational Differences Events	Difference Summary		Similarity	
		Base Airplane: X	Deference/Variant Airplane: Y	YES	NO
(1)	Control response				
(2)	Crew perspective and handling techniques in all stages of operation				



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d. Flight Operations Post Holder Declaration.

- I hereby apply for the operations on more than one type or variant approval based on the fact that, the two airplane types or variants are sufficiently similar to allow the safe operation of both as detailed above; and I declare that the information above and attached documents are true, correct and completed.

Name	Signature	Date



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B. FOR CARC USE ONLY.

1. Operations on More Than One Type or Variant Approval - Documents Assessment.

No.	Assessment Event	Assessment Result	
		YES	NO
a	Check the applicant operations on more than one type or variant approval application form is completed properly		
b	Check the applicant submitted a copy of airplane flight manual for the base airplane		
c	Check the applicant submitted a copy of airplane flight manual for the difference/variant airplane		
<ul style="list-style-type: none"> • Assessment Result 		<input type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory	
<ul style="list-style-type: none"> • Remarks 			
Flight Operations Inspector Name		Signature	Date

2. Operations on More Than One Type or Variant Approval - Assessor Designation.

<ul style="list-style-type: none"> • The under signed, Chief Commercial Air Transport Section authorises Capt.....to conduct operations on more than one type or variant approval technical assessment. 		
Name	Signature	Date

3. Operations on More Than One Type or Variant Approval - Technical Assessment. Operator to prepare a presentation on the operations on more than one type or variant approval application - differences between airplane types or variants to include:

No.	Assessment Event	Assessment Result	
		YES	NO
a	Level of technology		
b	Operational differences		
c	Handling characteristics		
<ul style="list-style-type: none"> • Assessment Date 		<ul style="list-style-type: none"> • Assessment Result 	
<input type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory		<input type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory	
<ul style="list-style-type: none"> • Remarks 			
Flight Operations Inspector Name		Signature	Date



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4. CARC Approval for Operations on More Than One Type or Variant Details.

• AOC holder name	
• Base airplane type	
• Difference/variant airplane type	

Flight Operations Inspector Name	Signature	Date

C. SUPPORTING DOCUMENTS.

- Cover letter from the AOC holder for the operations on more than one type or variant approval.
- Operations on more than one type or variant approval application form - This application form.
- Copy of the airplane flight manual for the base airplane.
- Copy of the airplane flight manual for the difference/variant airplane