

4 December 2023

## CORRIGENDUM

Corrigendum to Decision 2023/019/R of the Executive Director of the Agency of 31 October 2023, issuing the following: AMC & GM to the articles of Commission Regulation (EU) 1321/2014 — Issue 1, Amendment 3, AMC & GM to Part-66 — Issue 2, Amendment 7, AMC & GM to Part-147 — Issue 2, Amendment 3, and AMC & GM to Part-CAO — Issue 1, Amendment 3.

The corrections are arranged to show ~~deleted text~~ and **new text**.

1. The amendment numbers for the AMC & GM to Part-66 and Part-CAO in the ED Decision (first page and Article 1) were corrected as follows

## Executive Director Decision

**2023/019/R**

**Of 31 October 2023**

**issuing the following:**

**Amendment 3 to Issue 1 of the Acceptable Means of Compliance and Guidance Material to the articles of Commission Regulation (EU) No 1321/2014**

**'AMC & GM to the articles of Commission Regulation (EU) 1321/2014' — Issue 1, Amendment 3'**

**and**

**Amendment ~~78~~ to Issue 2 of the Acceptable Means of Compliance and Guidance Material to Annex III (Part-66) to Commission Regulation (EU) No 1321/2014**

**'AMC & GM to Part-66 — Issue 2, Amendment ~~78~~'**

**and**

**Amendment 3 to Issue 2 of the Acceptable Means of Compliance and Guidance Material to Annex IV (Part-147) to Commission Regulation (EU) No 1321/2014**

**'AMC & GM to Part-147 — Issue 2, Amendment 3'**

**and**

**Amendment ~~34~~ to Issue 1 of the Acceptable Means of Compliance and Guidance Material to Annex Vd (Part-CAO) to Commission Regulation (EU) No 1321/2014**

**'AMC & GM to Part-CAO — Issue 1, Amendment ~~34~~'**

**'Review of Part-66' and 'New teaching and new training methods'**

**Article 1**

1. Annex I to this Decision is issued as Amendment 3 to Issue 1 to the Acceptable Means of Compliance and Guidance Material to the articles of Commission Regulation (EU) No 1321/2014.
  2. Annex II to this Decision is issued as Amendment ~~7~~<sup>8</sup> to Issue 2 to the Acceptable Means of Compliance and Guidance Material to Annex III (Part-66) to Commission Regulation (EU) No 1321/2014.
  3. Annex III to this Decision is issued as Amendment 3 to Issue 2 to the Acceptable Means of Compliance and Guidance Material to Annex IV (Part-147) to Commission Regulation (EU) No 1321/2014.
  4. Annex IV to this Decision is issued as Amendment ~~3~~<sup>4</sup> to Issue 1 to the Acceptable Means of Compliance and Guidance Material to Annex Vd (Part-CAO) to Commission Regulation (EU) No 1321/2014.
2. On page 65 of ANNEX II to ED Decision 2023/019/R, in the MODULE 3 — ELECTRICS FUNDAMENTALS table of the AMC1 Appendix II — Basic examination standard (except for category L licence), the contents of column 3 – ‘B1 B2 B2L’ and column 4 – ‘B3’ are corrected, as follows:

[...]

**MODULE 3 — ELECTRICS FUNDAMENTALS**

MODULE 3 — ELECTRICAL FUNDAMENTALS	Nr of questions		
	A	B1 B2 B2L	B3
Total number for the module:	20	<del>52</del> <sup>4</sup>	<del>52</del> <sup>24</sup>
3.1 Electron theory	2	2	2
3.2 Static electricity and conduction	3	<del>3</del> <sup>2</sup>	<del>2</del> <sup>3</sup>
3.3 Electrical terminology	3	2	2
3.4 Generation of electricity	3	2	2
3.5 Sources of DC electricity	3	3	3
3.6 DC circuits	1	<del>2</del> <sup>1</sup>	<del>1</del> <sup>2</sup>
3.7 Resistance/resistor:			
(a) Resistance;	—	<del>3</del> <sup>1</sup>	<del>1</del> <sup>3</sup>
(b) Resistors.	—	<del>2</del> <sup>—</sup>	<del>—</del> <sup>2</sup>
3.8 Power	—	<del>3</del> <sup>1</sup>	<del>1</del> <sup>3</sup>
3.9 Capacitance/capacitor	—	<del>4</del> <sup>1</sup>	<del>1</del> <sup>4</sup>
3.10 Magnetism:			
(a) Theory of magnetism;	—	<del>3</del> <sup>1</sup>	<del>1</del> <sup>3</sup>
(b) Magnetomotive force.	—	1	1
3.11 Inductance/inductor	—	<del>4</del> <sup>1</sup>	<del>1</del> <sup>4</sup>
3.12 DC motor/generator theory	—	<del>3</del> <sup>1</sup>	<del>1</del> <sup>3</sup>
3.13 AC theory	5	<del>3</del> <sup>1</sup>	<del>1</del> <sup>3</sup>

MODULE 3 — ELECTRICAL FUNDAMENTALS	Nr of questions		
	A	B1 B2 B2L	B3
3.14 Resistive (R), capacitive (C) and inductive (L) circuits	—	3 <del>1</del>	1 <del>3</del>
3.15 Transformers	—	3 <del>1</del>	1 <del>3</del>
3.16 Filters	—	1 <del>—</del>	<del>—</del> 1
3.17 AC generators	—	3 <del>1</del>	1 <del>3</del>
3.18 AC motors	—	2 <del>1</del>	1 <del>2</del>

3. On pages 70, 71, and 72 of ANNEX II to ED Decision 2023/019/R, in the MODULE 11 — AEROPLANE AERODYNAMICS, STRUCTURES AND SYSTEMS table of the AMC1 Appendix II — Basic examination standard (except for category L licence), the number of questions for categories B1.2 and B3 is corrected, as follows:

[...]

**MODULE 11 — AEROPLANE AERODYNAMICS, STRUCTURES AND SYSTEMS**

MODULE 11 — AEROPLANE AERODYNAMICS, STRUCTURES AND SYSTEMS	Nr of questions				
	A1	A2	B1.1	B1.2	B3
Total number for the module:	108	72	140	100	60
<b>11.1 Theory of flight:</b>					
(a) Aeroplane aerodynamics and flight controls;	2	2	2	2	2 <del>1</del>
(b) Aeroplane, other aerodynamic devices.	2	2	2	2	2 <del>1</del>
<b>11.2 Airframe structures (ATA 51):</b>					
(a) General concepts;	3	3	4	3	2
(b) Airworthiness requirements for structural strength;	3	3	3	3	1
(c) Construction methods.	1	1	3	2	1
<b>11.3 Airframe structures — aeroplanes</b>					
<b>11.3.1 Fuselage, doors, windows (ATA 52/53/56):</b>					
(a) Construction principles;	1	1	2	2	2
(b) Airborne towing devices;	1	1	1	1	1
(c) Doors.	1	1	1	1	-
<b>11.3.2 Wings (ATA 57)</b>	2	2	3	3	2
<b>11.3.3 Stabilisers (ATA 55)</b>	1	1	2	2 <del>1</del>	1
<b>11.3.4 Flight control surfaces (ATA 55/57)</b>	1	1	2	2	1
<b>11.3.5 Nacelles/pylons (ATA 54)</b>	1	1	2	2 <del>1</del>	1
<b>11.4 Air conditioning and cabin pressurisation (ATA 21):</b>					
(a) Pressurisation;	2	2	3	1	—
(b) Air supply;	3	—	3	—	—

MODULE 11 — AEROPLANE AERODYNAMICS, STRUCTURES AND SYSTEMS	Nr of questions				
	A1	A2	B1.1	B1.2	B3
(c) Air conditioning;	3	—	3	—	—
(d) Safety and warning devices;	2	1	2	2	—
(e) Heating and ventilation system.	—	1	—	2	1
<b>11.5 Instruments / avionics systems</b>					
<b>11.5.1 Instrument systems (ATA 31)</b>	2	2	4	<del>4</del> 3	3
<b>11.5.2 Avionics systems</b>					
Fundamentals of system layouts and operation of:					
— Autoflight (ATA 22);	3	2	5	4	4
— Communications (ATA 23);					
— Navigation systems (ATA 34).					
<b>11.6 Electrical power (ATA 24)</b>	4	3	5	5	4
<b>11.7 Equipment and furnishings (ATA 25)</b>					
(a) Emergency equipment;	4	2	4	3	2
(b) Cabin and cargo layout.	3	3	3	3	-
<b>11.8 Fire protection (ATA 26)</b>					
(a) Fire and smoke detection system and fire-extinguishing systems;	3	2	4	3	—
(b) Portable fire extinguisher.	1	1	1	1	1
<b>11.9 Flight controls (ATA 27)</b>					
(a) Primary and secondary flight controls;	3	2	4	4	<del>3</del> 2
(b) Actuation and protection;	3	—	3	<del>—</del> 3	<del>—</del> 2
(c) System operation;	3	—	3	<del>—</del> 2	<del>—</del> 4
(d) Balancing and rigging.	1	1	3	<del>3</del> 2	2
<b>11.10 Fuel systems (ATA 28/47)</b>					
(a) Systems layout;	2	2	3	3	2
(b) Fuel handling;	2	2	2	2	1
(c) Indications and warnings;	1	1	2	2	1
(d) Special systems;	1	—	1	—	—
(e) Balancing.	2	—	2	—	—
<b>11.11 Hydraulic power (ATA 29)</b>					
(a) System description;	1	1	3	3	2
(b) System operation (1);	1	1	3	<del>2</del> 4	1
(c) System operation (2).	2	—	2	—	—
<b>11.12 Ice and rain protection (ATA 30)</b>					
(a) Principles;	1	1	2	2	1
(b) De-icing;	1	1	2	2	1
(c) Anti-icing;	1	—	2	—	—

MODULE 11 — AEROPLANE AERODYNAMICS, STRUCTURES AND SYSTEMS	Nr of questions				
	A1	A2	B1.1	B1.2	B3
(d) Wipers;	1	1	2	2	1
(e) Rain-repellent systems.	2	—	2	—	—
<b>11.13 Landing gear (ATA 32)</b>					
(a) Description;	3	3	4	3	1
(b) System operation;	3	3	4	2	1
(c) Air-ground sensing;	1	—	1	—	—
(d) Tail protection.	1	1	1	1	1
<b>11.14 Lights (ATA 33)</b>	2	2	3	3	2
<b>11.15 Oxygen (ATA 35)</b>	3	3	4	4	3
<b>11.16 Pneumatic/vacuum (ATA 36)</b>					
(a) Systems;	3	3	3	3	2
(b) Pumps.	3	3	3	3	2
<b>11.17 Water/waste (ATA 38)</b>					
(a) Systems;	2	2	2	2	1
(b) Corrosion.	1	1	1	1	1
<b>11.18 Onboard maintenance systems (ATA 45)</b>	3	—	3	—	—
<b>11.19 Integrated modular avionics (IMA) (ATA 42)</b>					
(a) Overall system description and theory;	1	—	1	—	—
(b) Typical system layouts.	1	—	1	—	—
<b>11.20 Cabin systems (ATA 44)</b>	2	—	2	—	—
<b>11.21 Information systems (ATA 46)</b>	2	—	2	—	—

4. On pages 74 and 75 of ANNEX II to ED Decision 2023/019/R, in the MODULE 13 — AIRCRAFT AERODYNAMICS, STRUCTURES AND SYSTEMS table of the AMC1 Appendix II — Basic examination standard (except for category L licence), the number of questions for category B2 is corrected, as follows:

[...]

**MODULE 13 — AIRCRAFT AERODYNAMICS, STRUCTURES AND SYSTEMS**

**C/N:** Communication and Navigation; **Ins.:** instruments; **A/F:** Autoflight; **Sur.:** Surveillance; **A/S:** Airframe and Systems

MODULE 13 — AIRCRAFT AERODYNAMICS, STRUCTURES AND SYSTEMS	Nr of questions						
	B2	B2L Basic	B2L C/N	B2L Ins.	B2L A/F	B2L Sur.	B2L A/S
Total number for the module:	188	32	24	20	28	20	50
<b>13.1 Theory of flight</b>							
(a) Aeroplane aerodynamics and flight controls;	3	3	—	—	—	—	—

MODULE 13 — AIRCRAFT AERODYNAMICS, STRUCTURES AND SYSTEMS	Nr of questions						
	B2	B2L Basic	B2L C/N	B2L Ins.	B2L A/F	B2L Sur.	B2L A/S
(b) Rotary wing aerodynamics.	1	1	—	—	—	—	—
<b>13.2 Structures — general concepts (ATA 51)</b>							
(a) General concepts;	4	4	—	—	—	—	—
(b) Fundamentals of structural systems.	4	4	—	—	—	—	—
<b>13.3 Autoflight (ATA 22)</b>							
(a) Fundamentals of automatic flight control;	16± 2	—	—	—	8	—	—
(b) Autothrottle systems and automatic landing systems.	8	—	—	—	8	—	—
<b>13.4 Communication/navigation (ATA 23/34)</b>							
(a) Fundamentals of communication and navigation systems;	24	—	24	—	—	—	—
(b) Fundamentals of aircraft surveillance systems.	3	—	—	—	—	20	—
<b>13.5 Electrical power (ATA 24)</b>	13	13	—	—	—	—	—
<b>13.6 Equipment and furnishings (ATA 25)</b>	5	—	—	—	—	—	—
<b>13.7 Flight controls</b>							
(a) Primary and secondary flight controls (ATA 27);	4	—	—	—	3	—	—
(b) Actuation and protection;	4	—	—	—	3	—	—
(c) System operation;	2	—	—	—	3	—	—
(d) Rotorcraft flight controls (ATA 67).	2	—	—	—	3	—	—
<b>13.8 Instruments (ATA 31)</b>	20	—	—	20	—	—	—
<b>13.9 Lights (ATA 33)</b>	7	7	—	—	—	—	—
<b>13.10 Onboard maintenance systems (ATA 45)</b>	5	—	—	—	—	—	—
<b>13.11 Air conditioning and cabin pressurisation (ATA 21)</b>							
(a) Pressurisation;	2	—	—	—	—	—	2
(b) Air supply;	2	—	—	—	—	—	2
(c) Air conditioning;	2	—	—	—	—	—	2
(d) Safety and warning devices.	2	—	—	—	—	—	2
<b>13.12 Fire protection (ATA 26)</b>							
(a) Fire and smoke detection system and fire-extinguishing systems;	2	—	—	—	—	—	2
(b) Portable fire extinguisher.	1	—	—	—	—	—	1
<b>13.13 Fuel systems (ATA 28, ATA 47)</b>							
(a) System layout;	2	—	—	—	—	—	2
(b) Fuel handling;	2	—	—	—	—	—	2
(c) Indications and warnings;	2	—	—	—	—	—	2
(d) Special systems;	2	—	—	—	—	—	2
(e) Balancing.	1	—	—	—	—	—	1
<b>13.14 Hydraulic power (ATA 29)</b>							
(a) System layout;	1	—	—	—	—	—	1

MODULE 13 — AIRCRAFT AERODYNAMICS, STRUCTURES AND SYSTEMS	Nr of questions						
	B2	B2L Basic	B2L C/N	B2L Ins.	B2L A/F	B2L Sur.	B2L A/S
(b) System operation (1);	5	—	—	—	—	—	4
(c) System operation (2).	5	—	—	—	—	—	4
<b>13.15 Ice and rain protection (ATA 30)</b>							
(a) Principles;	1	—	—	—	—	—	1
(b) De-icing;	2	—	—	—	—	—	2
(c) Anti-icing;	1	—	—	—	—	—	1
(d) Wiper systems;	1	—	—	—	—	—	1
(e) Rain repellent.	1	—	—	—	—	—	1
<b>13.16 Landing gear (ATA 32)</b>							
(a) Description;	1	—	—	—	—	—	1
(b) System;	3	—	—	—	—	—	3
(c) Air-ground sensing.	3	—	—	—	—	—	3
<b>13.17 Oxygen (ATA 35)</b>	2	—	—	—	—	—	—
<b>13.18 Pneumatic/vacuum (ATA 36)</b>	6	—	—	—	—	—	6
<b>13.19 Water/waste (ATA 38)</b>	2	—	—	—	—	—	2
<b>13.20 Integrated modular avionics (IMA) (ATA 42)</b>							
(a) Overall system description and theory;	2	—	—	—	—	—	—
(b) Typical system layouts.	1	—	—	—	—	—	—
<b>13.21 Cabin systems (ATA 44)</b>	3	—	—	—	—	—	—
<b>13.22 Information systems (ATA 46)</b>	3	—	—	—	—	—	—

[...]

5. On pages 110 to 112 of ANNEX II to ED Decision 2023/019/R, in the GROUP 1 AEROPLANES table of the Appendix I to AMC to Annex III — Aircraft type ratings for Part-66 aircraft maintenance licences, aircraft type ratings are added, as follows:

[...]

**GROUP 1 AEROPLANES**

GROUP 1 AEROPLANES				
TC Holder	Model	Com. des.	Part-66 type rating endorsement	Note
[...]	[...]	[...]	[...]	[...]
<b>DE HAVILLAND AIRCRAFT OF CANADA LIMITED BOMBARDIER</b>	DHC-8-102	<i>DHC-8 Series 100</i>	<b>Bombardier DHC-8-100/200/300 (PWC PW 120)</b>	

GROUP 1 AEROPLANES				
<b>DE HAVILLAND AIRCRAFT OF CANADA LIMITED</b> <b>BOMBARDIER</b>	DHC-8-103	<i>DHC-8 Series 100</i>	<b>Bombardier DHC-8-100/200/300 (PWC PW 120)</b>	
<b>DE HAVILLAND AIRCRAFT OF CANADA LIMITED</b> <b>BOMBARDIER</b>	DHC-8-106	<i>DHC-8 Series 100</i>	<b>Bombardier DHC-8-100/200/300 (PWC PW 120)</b>	
<b>DE HAVILLAND AIRCRAFT OF CANADA LIMITED</b> <b>BOMBARDIER</b>	DHC-8-201	<i>DHC-8 Series 200</i>	<b>Bombardier DHC-8-100/200/300 (PWC PW 120)</b>	
<b>DE HAVILLAND AIRCRAFT OF CANADA LIMITED</b> <b>BOMBARDIER</b>	DHC-8-202	<i>DHC-8 Series 200</i>	<b>Bombardier DHC-8-100/200/300 (PWC PW 120)</b>	
<b>DE HAVILLAND AIRCRAFT OF CANADA LIMITED</b> <b>BOMBARDIER</b>	DHC-8-301	<i>DHC-8 Series 300</i>	<b>Bombardier DHC-8-100/200/300 (PWC PW 120)</b>	
<b>DE HAVILLAND AIRCRAFT OF CANADA LIMITED</b> <b>BOMBARDIER</b>	DHC-8-311	<i>DHC-8 Series 300</i>	<b>Bombardier DHC-8-100/200/300 (PWC PW 120)</b>	
<b>DE HAVILLAND AIRCRAFT OF CANADA LIMITED</b> <b>BOMBARDIER</b>	DHC-8-314	<i>DHC-8 Series 300</i>	<b>Bombardier DHC-8-100/200/300 (PWC PW 120)</b>	
<b>DE HAVILLAND AIRCRAFT OF CANADA LIMITED</b> <b>BOMBARDIER</b>	DHC-8-315	<i>DHC-8 Series 300</i>	<b>Bombardier DHC-8-100/200/300 (PWC PW 120)</b>	
<b>DE HAVILLAND AIRCRAFT OF CANADA LIMITED</b> <b>BOMBARDIER</b>	DHC-8-401	<i>DHC-8 Series 400</i>	<b>Bombardier DHC-8-400 (PWC PW150)</b>	
<b>DE HAVILLAND AIRCRAFT OF CANADA LIMITED</b> <b>BOMBARDIER</b>	DHC-8-402	<i>DHC-8 Series 400</i>	<b>Bombardier DHC-8-400 (PWC PW150)</b>	

GROUP 1 AEROPLANES				
<b>MHI RJ AVIATION ULC. BOMBARDIER</b>	CL-600-2B19 (RJ Series 100)	<i>Regional Jet Series 100/200/440/ Challenger 850/ CRJ SE</i>	<b>Bombardier CL-600-2B19 (GE CF34)</b>	
<b>MHI RJ AVIATION ULC. BOMBARDIER</b>	CL-600-2C10 (RJ 700/701/702)	<i>Regional Jet Series 700/701/702</i>	<b>Bombardier CL-600- 2C10/2D15/2D24/2E25 (GE CF34)</b>	
<b>MHI RJ AVIATION ULC. BOMBARDIER</b>	CL-600-2D15 (RJ Series 705)	<i>Regional Jet Series 705</i>	<b>Bombardier CL-600- 2C10/2D15/2D24/2E25 (GE CF34)</b>	
<b>MHI RJ AVIATION ULC. BOMBARDIER</b>	CL-600-2D24 (RJ Series 900)	<i>Regional Jet Series 900</i>	<b>Bombardier CL-600- 2C10/2D15/2D24/2E25 (GE CF34)</b>	
<b>MHI RJ AVIATION ULC. BOMBARDIER</b>	CL-600-2E25 (RJ Series 1000)	<i>Regional Jet Series 1000</i>	<b>Bombardier CL-600- 2C10/2D15/2D24/2E25 (GE CF34)</b>	
<b>VIKING AIR LIMITED BOMBARDIER</b>	CL-215-1A10		<b>Canadair CL-215 (PW R2800)</b>	
<b>VIKING AIR LIMITED BOMBARDIER</b>	CL-215-6B11 (CL-215T Variant)		<b>Canadair CL-215 (PWC PW123)</b>	
<b>VIKING AIR LIMITED BOMBARDIER</b>	CL-215-6B11 (CL-415 Variant)		<b>Canadair CL-415 (PWC PW123)</b>	

[...]

6. On page 112 of ANNEX II to ED Decision 2023/019/R, in the GROUP 1 HELICOPTERS table of the Appendix I to AMC to Annex III — Aircraft type ratings for Part-66 aircraft maintenance licences, aircraft type ratings are corrected, as follows:

[...]

**GROUP 1 HELICOPTERS**

GROUP 1 HELICOPTERS				
TC Holder	Model	Com. des.	Part-66 type rating endorsement	Note
[...]	[...]	[...]	[...]	[...]
<b>AIRBUS HELICOPTERS</b>	H160-B		<b>AIRBUS HELICOPTERS H160 (SAFRAN ARRANO 1)</b>	
<b>AIRBUS HELICOPTERS DEUTSCHLAND GmbH</b>	MBB-BK117 D-3	H145	<b>Eurocopter MBB-BK 117 D23 (Safran Arriel 2)</b>	

GROUP 1 HELICOPTERS				
AIRBUS HELICOPTERS DEUTSCHLAND GmbH	MBB-BK117 D-3m	H145	Eurocopter MBB-BK 117 D23 (Safran Arriel 2)	
ERICKSON AIR-CRANE	S-64E		Erickson S-64 (Erickson JFTD 12)	
LEONARDO S.p.A.	AW189	AW189K	AW189 (Safran ANETO-1K)	
[...]	[...]	[...]	[...]	[...]

[...]

7. On page 113 of ANNEX II to ED Decision 2023/019/R, in the GROUP 3: PISTON-ENGINE AEROPLANES (other than those in Group 1) table of the Appendix I to AMC to Annex III – Aircraft type ratings for Part-66 aircraft maintenance licences, an aircraft type rating is added, as follows:

[...]

***GROUP 3: PISTON-ENGINE AEROPLANES (other than those in Group 1)***

GROUP 3: PISTON-ENGINE AEROPLANES (other than those in Group 1)						
TC Holder	Model	Com. des.	Part-66 type rating endorsement	Note	MTOM	
					≤2T	>2T
[...]	[...]	[...]	[...]	[...]		
BRM Aero s.r.o.	Bristell B23-	Metal	Bristell B23 (Rotax)	ELA1	X	
CIRRUS Design Corporation	SR20	Composite	Cirrus SR20 / SR22 / SR22T Series (Lycoming)	ELA2	X	
Czech Sport Aircraft a.s.	PS-28 N Cruiser	Composite + Metal	Czech Sport PS-28 (Rotax)	ELA1	X	
[...]	[...]	[...]	[...]	[...]		

[...]