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Issue: 7



TYPE CERTIFICATE DATA SHEET

No. EASA.R.105

for

SA 365 / AS 365 / EC 155

Type Certificate Holder

Airbus Helicopters

Aéroport International Marseille - Provence 13725 Marignane CEDEX France

For Models: SA 365 C1, SA 365 C2, SA 365 C3, SA 365 N, SA 365 N1

> AS 365 N2, AS 365 N3 EC 155 B, EC 155 B1



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SECTION 1: SA 365 C1, SA 365 C2, SA 365 C3

I. General

2.

Type/ Model

1.1 Type SA 365

1.2 Model SA 365 C1, SA 365 C2, SA 365 C3 Airworthiness Category Large Rotorcraft, Category A and B

3 Manufacturer Airbus Helicopters

Aéroport International Marseille-Provence

13725 Marignane CEDEX, France

4. Type Certification Application Date to DGAC FR SA 365 C1: 23 March 1979

> SA 365 C2 15 October 1979 SA 365 C3 23 June 1981

EASA 5. State of Design Authority

(pre EASA: DGAC FR, France)

6. Type Certificate Date by DGAC FR SA 365 C1: 26 March 1979

SA 365 C2 18 February 1980 SA 365 C3 14 January 1982

7. Type Certificate n° by DGAC FR 159 8. Type Certificate Data Sheet n° by DGAC FR

EASA Type Certification Date 28 September 2003,

in accordance with CR (EU) 1702/2003, Article 2, 3., (a),

(i), 2nd bullet, 1st indented bullet.

II. Certification Basis

Reference Date for determining the

applicable requirements

14 November 1974

2. Airworthiness Requirements FAR Part 29, Amdts. 1 through 11

3. **Special Conditions** Complementary and special conditions defined in

DGAC FR letter 4092, dated 5 May 1977

Non-rechargeable Lithium Battery installations (F-12)

4. Deviations none 5. **Equivalent Safety Findings** none

6. **Environmental Protection Requirements**

> 6.1 Noise Requirements See TCDSN EASA.R.105

6.2 Emission Requirements none

7. Operational Suitability Data (OSD) Not required for rotorcraft that are no longer in production.

CR (EU) 748/2012, as amended by CR (EU) 69/2014 does not require OSD elements for this model (see Article 7a, 1.).

III. Technical Characteristics and Operational Limitations

- SA 365 C: basic definition is described in document Type Design Definition

365A 04 3051, see Note 11

SA 365 C1: definition of SA 365 C1 is obtained by applying to the SA 365 C definition the modifications

mentioned in document 365A.05.0416

- SA 365 C2: definition of SA 365 C2 is obtained by applying to the SA 365 C or C1 definition the

modifications mentioned in document 365A.05.0425



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> - SA 365 C3: definition of SA 365 C3 is obtained by applying to the SA 365 C1 or C2 definition the

modifications mentioned in document 365A.04.3765

2. Description Large twin-engine helicopter, conventional configuration,

4-blade fully articulated main rotor, 'Fenestron' type tail

rotor

3. As per compliance with certification basis and included in Equipment

Type Design Definition Document

4. **Dimensions**

> 10.98 m 4.1 Fuselage Length:

> > Width: 3.17 m Height: 3.27 m Diameter: 11.68 m

4.2 Main Rotor 4.3 Tail Rotor 0.89 m Diameter:

Engine

5.1 Model Safran Helicopter Engines (former: Turbomeca)

> SA 365 C1: 2 x Model Arriel 1A1 SA 365 C2: 2 x Model Arriel 1A2 SA 365 C3: 2 x Model Arriel 1C

EASA TC/TCDS: EASA.E.073 5.2 Type Certificate

5.2.1 Installed Engine Limits Refer to approved RFM 5.2.2 Transmission Torque Limits Refer to approved RFM

6. **Fluids**

> 6.1 Fuel Refer to approved RFM 6.2 Oil Refer to approved RFM 6.3 Additives Refer to approved RFM

Fluid capacities

7.1 Fuel Fuel tank capacity: 640 litres

Usable fuel: 637 litres

7.2 Oil Engines: 2 x 6.8 litres

MGB: 10.5 litres TGB: 0.27 litre

V_{NE}: 170 KIAS (315 km/h) at 0 m and at 3 000 kg Air Speed Limitations

Substract 11 kt (20 km/h) per 3 281 ft (1 000 m) altitude,

and, 5 kt (10 km/h) per 100 kg above 3 000 kg. For further airspeed limits refer to approved RFM.

9. **Rotor Speed Limitations** Power on:

> Nominal governed: 350 rpm ± 10 rpm

OEI on TKOF/LDG: 320 rpm transient speed on OEI: 285 rpm

Power off:

Maximum 420 rpm (aural alarm at 400 rpm) Minimum 320 rpm (aural alarm at 338 rpm)

10. Maximum Operating Altitude and Temperature

10.1 Altitude 15 000 ft (4 572 m) PA

-40°C to +40°C 10.2 Temperature

11. Operating Limitations Refer to approved RFM TCDS No.: EASA.R.105 SA 365 / AS 365 / EC 155 Page 5 of 28

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12. Maximum Mass SA 365 C1: 3 400 kg

SA 365 C2, C3: 3 500 kg

13. Centre of Gravity Range SA 365 C1:

Longitudinal C.G. limits:
Forward: 384 cm
Rear: 410 cm
Lateral C.G. limits: RH/LH: 11 cm

SA 365 C2, C3:

Longitudinal C.G. limits: Forward: 384 cm

Rear: 410 cm up to 3 400 kg

406 cm from 3 400 kg to 3 500 kg

Lateral C.G. limits: RH/LH: 11 cm

14. Datum Longitudinal:

The datum plane (STA 0) is located at 4 000 mm forward

of the main rotor centre line. Lateral: aircraft symmetry plane

15. Levelling Means Three levelling blocks on transmission deck

16. Minimum Flight Crew 1 pilot on RH seat

17. Maximum Passenger Seating Capacity 12,

refer to Eurocopter document 365A043070 for approved

cabin furnishings

Passenger Emergency Exit Refer to approved RFM
 Maximum Baggage/ Cargo Loads Maximum mass 150 kg.

Maximum load concentration 350 daN/m²

20. Rotor Blade Control Movement For rigging information, refer to Maintenance Manual

21. Auxiliary Power Unit (APU) none

22. Life-limited Parts Refer to the Airworthiness Limitation Section (ALS)

IV. Operating and Service Instructions

L. Flight Manual SA 365 C1:

Flight Manual approved on 26 March 1979 by DGAC FR, or subsequent DGAC FR or EASA approved revisions

(see Note 4) SA 365 C2:

Flight Manual approved on 18 February 1980 by DGAC FR or subsequent DGAC FR or EASA approved revisions

(see Note 4) SA 365 C3:

Flight Manual approved on 14 January 1982 by DGAC FR or subsequent DGAC FR or EASA approved revisions

(see Note 4)

2. Maintenance Manual SA 365 C1: SA 365 Maintenance Manual, approved 26

March 1979 or later DGAC FR or EASA approved revisions

(see Notes 3 and 4)

SA 365 C2: SA 365 Maintenance Manual, approved 18 February 1980 or later DGAC FR or EASA approved

revisions (see Notes 3 and 4)

SA 365 C3: Maintenance Manual, approved 14 January 1982 or later DGAC FR or EASA approved revisions,

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revisions 11 and subsequent (see Notes 3 and 4)

SA 365 Overhaul Manual

3. Structural Repair Manual SA 365 Repair Manual

4. Weight and Balance Manual SA 365 Flight Manual, Volume 2, Section 6

5. Illustrated Parts Catalogue SA 365 Illustrated Parts Catalogue

6. Service Letters and Service Bulletins As published by Aérospatiale, Eurocopter France,

Eurocopter, or Airbus Helicopters

7. Required equipment The basic equipment required by the applicable

airworthiness regulation (refer to certification basis) must

be fitted on the aircraft and in safe operation.

The Flight Manual must be on board.

V. Notes

 The weight and C.G. breakdown including the list of equipment items incorporated in the approved empty weight and the loading instruction shall be on board the helicopter at the time when the individual Certificate or Airworthiness is delivered, and then, at any time.

To obtain as precise as possible weight and C.G. data, the helicopter shall stay on jacks as fitted at the jacking points rather than on its landing gear. Where modifications are introduced in the helicopter weight and C.G., the Flight Manual instructions shall be referred to.

2. The following placard shall be displayed in clear view of the pilot:

'THIS HELICOPTER MUST BE OPERATED IN COMPLIANCE WITH THE OPERATING LIMITATIONS SPECIFIED IN THE DGAC-APPROVED ROTORCRAFT FLIGHT MANUAL.

THE AIRWORTHINESS LIMITATIONS SECTION OF THE ROTORCRAFT MAINTENANCE MANUAL MUST BE COMPLIED WITH.'

For other placards, refer to Flight Manual

- 3. Chapter 5 'Master Servicing Recommendations' of the Maintenance Manuals has been deemed acceptable by the DGAC FR for maintaining the helicopters satisfactorily. Sub-chapter 5.99 'Airworthiness Limitations' contains the instructions which have to be mandatory complied with.
- 4. The compatibility between the optional systems is specified:

refer to the Flight Manual for the concerned aircraft.

- in sub-chapter OPTIONAL of the 'Master Servicing Recommendations' for installation,
- in Supplement 0 to Flight Manual for operation.
- This Data Sheet gives the values applicable to the latest 365 designs.
 For those aircraft with a former design or fitted with optional systems or subjected in customisation,
- 6. Production conditions:

Manufacturer	Production certificate (date of issuance)
Airbus Helicopters	EASA.21G.0070 (1 Feb 2018)
Airbus Helicopters	FR.21G.0003 (7 Jan 2014)
Eurocopter	FR.21G.0003 (21 Sept 2004)
Eurocopter	F.G.003 (22 Dec 1997)
Eurocopter France	P02 (2 Jan 1992)
Aérospatiale Division Hélicoptères	P02 (8 Nov 1991)

7. Commercial designation: DAUPHIN

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V. Notes

8. Conversion from one version to another one:

Original version	Version obtained	Embody Service Bulletin N°
SA 365 C (surrendered, see Note 11)	SA 365 C1	01-03
SA 365 C (surrendered, see Note 11)	SA 365 C2	01-07
SA 365 C1	SA 365 C2	01-07
SA 365 C1, or C2	SA 365 C3	01-09

9. Certification conditions:

> Design approval n° F.JA.01 granted on 20 July 1998 to EUROCOPTER (afore granted on 12 September 1996 to EUROCOPTER FRANCE)

Manufacturer's eligible serial numbers: 10.

reserved

The model SA 365 C type certification is surrendered since 1 February 2018. Consequently, its Continued Airworthiness (CAW) is not anymore supported by Airbus Helicopters. All s/n known to Airbus Helicopters have either been converted to the type definitions of SA 365 C1 or C2, or they do not exist anymore (see also EASA Certification Information 2018-02. In Section III.1, the type definition of SA 365 C is still kept to assure the traceability of the converted s/n.

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SECTION 2: SA 365 N, SA 365 N1, AS 365 N2, AS 365 N3

I. General

Type/ Model

1.1 Type SA 365

1.2 Model SA 365N, SA 365 N1, AS 365 N2, AS 365 N3

2. Airworthiness Category Large Rotorcraft, Category A and B

3. Manufacturer Airbus Helicopters

Aéroport International Marseille-Provence

13725 Marignane CEDEX, France

Type Certification Application Date to DGAC FR SA 365 N: 11 May 1978

> SA 365 N1: 17 February 1981 AS 365 N2 14 October 1988 AS 365 N3 19 June 1991

5. State of Design Authority **EASA**

(pre EASA: DGAC FR, France)

Type Certificate Date by DGAC FR SA 365 N: 9 April 1981

SA 365 N1: 28 July 1983 AS 365 N2 25 October 1989 AS 365 N3 6 October 1997

Type Certificate n° by DGAC FR 159

8. Type Certificate Data Sheet n° by DGAC FR

EASA Type Certification Date 9. 28 September 2003,

in accordance with CR (EU) 1702/2003, Article 2, 3., (a),

(i), 2nd bullet, 1st indented bullet.

II. Certification Basis

Reference Date for determining the

applicable requirements

For Airworthiness and Environmental Protection:

26 September 1980,

86

for OSD elements: 17 February 2014

Airworthiness Requirements FAR Part 29, Amdts. 1 through 16

AS 365 N3 only: CS 29.1465 Amdt. 5

3. **Special Conditions** AS 365 N2:

Complementary and special conditions defined in DGAC

FR letter 53116, dated 1 February 1989.

Complementary conditions defined in DGAC FR letter 941225 for SAR system certification, dated 19 May 1994.

The certification technical requirements of the helicopter are currently based on:

1) FAR 29, Amdt. 11 (same as SA 365 C)

- 2) Complementary requirements given in Annex 1 of DGAC FR letter 53116 (same as SA 365 C)
- 3) Special requirements given in Annex 2 of DGAC FR letter 53116 (same as SA 365 C)
- 4) Special requirement given in Annex 3 of DGAC FR letter 53116
- 5) Voluntary acceptance to meet FAR 29 Amdts. 12 through 16 inclusive. In this case, special requirement C1 given in Annex 2 is superseded by paragraph

29.1351(d)(3) of Amdt. 14



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6) Special conditions 'Equipment' stipulated in Annex SAR of DGAC FR letter 941225

- 7) Special condition 'SAR' (specific to AS 365 N2 equipped with SAR System option) stipulated in Annex SAR of DGAC FR letter 941225
- 8) Non-rechargeable Lithium battery installations (F-12)

AS 365 N3:

Complementary and special conditions defined in DGAC FR letter 964425, dated 10 February 1997.

The certification process for this helicopter will be conducted based on the following requirements:

- 1) FAR 29, Amdt. 1 to 16
- Complementary technical conditions stipulated in Appendix 1 of DGAC FR letter 964425
- Special conditions stipulated in Appendix 2 of DGAC FR letter 964425 (ditto as SA 365 C)
- 4) Special conditions stipulated in Appendix 3 of DGAC FR letter 964425 (ditto as SA 365 N and 366 G)
- 5) Special conditions stipulated in Appendix 4 of DGAC FR letter 964425 (specific to AS 365 N3)
- Special condition SAR (Search And Rescue) System (reference B-01) (specific to AS 365 N3 equipped with AMS OP22B62)
- 7) Non-rechargeable Lithium battery installations (F-12)

none

Only AS 365 N3 equipped with MFD-255: FAR 29.1545(b)(4) Airspeed Indicator Markings (reference AS 365 N3 G-01).

6. Environmental Protection Requirements

Equivalent Safety Findings

TCDS No.: EASA.R.105

6.1 Noise Requirements See TCDSN EASA.R.105

6.2 Emission Requirements Pollution, Decree dated February 19, 1987 (N1, N2, N3) ICAO recommendations for discharging fuel Annex 16,

Volume 2, 2nd Part (N3).

7. Operational Suitability Data (OSD) (For OSD elements see SECTION 6 below)

7.1 Master Minimum Equipment List (MMEL) JAR-MMEL, Amdt. 1, dated 1 August 2005

7.2 Flight Crew Data (FCD) CS-FCD, Initial Issue 31 January 2014 (SA 365, AS 365)

7.3 Simulation Data (SIMD) reserved

7.4 Maintenance Certifying Staff Data (MCSD) reserved

III. Technical Characteristics and Operational Limitations

1. Type Design Definition

- SA 365 N: basic SA 365 N definition document 365A04 3655
- SA 365 N1: definition of SA 365 N1 is obtained by applying to the SA 365 N definition the modifications mentioned in document 365A.04.4055

AS 365 N2: definition of AS 365 N2 is obtained by applying to the SA 365 N1 definition the modifications

mentioned in document 365A.04.4693

AS 365 N3: definition of AS 365 N3 is obtained by applying to the AS 365 N2 definition the modifications

mentioned in document 365A.04.5135



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4.

5.

Deviations

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2. Description Large twin-engine helicopter, conventional configuration,

4-blade fully articulated main rotor, 'Fenestron' type tail

roto

3. Equipment - SA 365 N, SA 365 N1 and AS 365 N2: n/a

- AS 365 N3: refer to document 365A045216

4. Dimensions

4.1 SA 365 N Fuselage Length: 11.44 m

Width: 3.40 m Height: 3.21 m

Main Rotor Diameter: 11.93 m

Tail Rotor Diameter: 0.90 m

4.2 SA 365 N1 Length: 11.63 m

Width: 3.26 m Height: 3.98 m Diameter: 11.94 m Diameter: 1.10 m

4.3 AS 365 N2, AS 365 N3 Fuselage Length: 11.63 m

12.08 m for AS 365 N3 with 'long nose'

(after AMS 07 52C37)

Width: 3.26 m Height: 3.81 m Diameter: 11.94 m

Main Rotor Diameter: 11.94 m
Tail Rotor Diameter: 1.10 m

5. Engine

5.1 Model Safran Helicopter Engines (former: Turbomeca)

SA 365 N: 2 x Model Arriel 1C SA 365 N1: 2 x Model Arriel 1C1 AS 365 N2: 2 x Model Arriel 1C2 AS 365 N3: 2 x Model Arriel 2C

5.2 Type Certificate EASA TC/TCDS: EASA.E.073 for Arriel 1C, 1C1 and 1C2

EASA.E.001 for Arriel 2C

5.2.1 Installed Engine Limits Refer to approved RFM
 5.2.2 Transmission Torque Limits Refer to approved RFM

6. Fluids

6.1 Fuel Refer to approved RFM
 6.2 Oil Refer to approved RFM
 6.3 Additives Refer to approved RFM

7. Fluid capacities

7.1 Fuel SA 365 N:

 $\begin{array}{ccc} \text{Usable} & & 1 \ 145 \ \text{litres} \\ \text{Unusable} & + \ \underline{ 13 \ \text{litres}} \\ \text{Total:} & & 1 \ 158 \ \text{litres} \\ \end{array}$

SA 365 N1, AS 365 N2/N3:

 Usable
 1 135 litres

 Unusable
 + 23 litres

 Total:
 1 158 litres)

7.2 Oil Engines: 2 x 5.18 litres (normal level)

MGB: 9.0 litres (max. level)

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TGB: 0.5 litre (max. level)

7.3 Coolant system capacity RH system: 5.5 litres

LH system: 8.0 litres

8. Air Speed Limitations V_{NE PWR ON}: 175 KIAS (324 km/h) at 0 ft and at 3 000 kg

VNE PWR OFF: 135 KIAS (250 km/h) at 0 ft

Then decreasing as a function of altitude and mass.

Refer to approved RFM.

9. Rotor Speed Limitations Power on:

SA 365 N governed speed:

350 rpm +15/-10 rpm

SA 365 N1, AS 365 N2 governed speed:

350 rpm +10 rpm

AS 365 N3: Speed varies between 355 and

360 rpm depending on the

altitude.

320 rpm (on OEI TKOF/LDG)

Power off:

Maximum transient 420 rpm

Maximum 395 rpm (aural alarm at 380 rpm) Minimum 320 rpm (aural alarm at 335 rpm,

for AS 365 N3 at 345 rpm)

Minimum transient 295 rpm

10. Maximum Operating Altitude and Temperature

10.1 Altitude 20 000 ft (6 096 m) PA

10.2 Temperature -40°C to +50°C

11. Operating Limitations Refer to approved RFM

12. Maximum Mass TKOF/LDG:

SA 365 N: 3 850 kg before SB N° 01-01

4 000 kg after SB N° 01-01

SA 365 N1: 4 100 kg AS 365 N2: 4 250 kg AS 365 N3: 4 300 kg

13. Centre of Gravity Range SA 365 N, N1:

Longitudinal C.G. limits: Forward: 380 cm,

refer to RFM for authorised weight/C.G. limit combinations)

Rear: 405 cm Lateral C.G. limits: RH/LH: 7.5 cm

AS 365 N2, N3:

Longitudinal C.G. limits: Forward: 380 cm,

refer to RFM for authorised weight/C.G. limit combinations)

Rear: 405 cm

Lateral C.G. limits: RH/LH: 7.5 cm, up to 4 100 kg

RH/LH: 5 cm, above 4 100 kg

14. Datum Longitudinal:

The datum plane (STA 0) is located at 4 000 mm forward

of the main rotor centre line.

Lateral: aircraft symmetry plane

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15. Levelling Means Three levelling blocks on transmission deck

16. Minimum Flight Crew 1 pilot on RH seat

17. Maximum Passenger Seating Capacity SA 365 N, N1: 13 AS 365 N2, N3: 13

Refer to Eurocopter document 365A043462 for approved

cabin furnishings

18. Passenger Emergency Exit Refer to approved RFM

Maximum Baggage/ Cargo Loads
 Maximum mass: 200 kg
 Maximum load concentration: 295 daN/m²

20. Rotor Blade Control Movement For rigging information, refer to Maintenance Manual

21. Auxiliary Power Unit (APU) none

22. Life-limited Parts Refer to the Airworthiness Limitation Section (ALS)

23. Wheels and Tyres Main LG:

Wheel: ERAM/SLS 20475 // GoodYear 5002566 (only on

AS365 N and N1)

Tyre: Dunlop 380*150.6, pressure 8.5 bar (0.85 MPa)

// GoodYear 156E06-1, pressure 8.5 bar (0.85 MPa)

Auxiliary LG E18740:

Wheel: ERAM/SLS 18755 // ERAM/SLS 17910 (only on

AS365 N and N1)

Tyres: Dunlop 330*130 , pressure 5.5 bar (0.55 MPa) // GoodYear 504C61-2, pressure 5.5 bar (0.55 MPa)

IV. Operating and Service Instructions

Flight Manual

SA 365 N:

Flight Manual approved on 9 April 1981 by DGAC FR, or subsequent DGAC FR or EASA approved revisions (see Note 4)

SA 365 N1:

Flight Manual approved on 14 September 1983 by DGAC FR, or subsequent DGAC FR or EASA approved revisions (see Note 4)

AS 365 N2:

Flight Manual approved on 25 October 1989 by DGAC FR, or subsequent DGAC FR or EASA approved revisions

(see Note 4)

AS 365 N3:

Flight Manual approved on 6 October 1997 by DGAC FR, or subsequent DGAC FR or EASA approved revisions

(see Note 4)

2. Maintenance Manual

365 N Maintenance Manual, approved 9 April 1981 or

later DGAC FR or EASA approved revisions

365 N1 Maintenance Manual, approved 28 July 1983 or

later DGAC FR or EASA approved revisions

365 N2 Maintenance Manual, approved 25 October 1989

or later DGAC FR or EASA approved revisions

365 N3 Maintenance Manual, approved 6 October 1997

or later DGAC FR or EASA approved revisions

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365 N/N1/N2/N3 Maintenance Manual (see Notes 3 and 4)

365 N/N1/N2/N3 Overhaul Manual

3. Structural Repair Manual 365 N/N1/N2/N3 Repair Manual

4. Weight and Balance Manual 365 N/N1/N2/N3 Flight Manual, Volume 2, Section 6

5. Illustrated Parts Catalogue 365 N/N1/N2/N3 Illustrated Parts Catalogue

6. Service Letters and Service Bulletins As published by Aérospatiale, Eurocopter France,

Eurocopter, or Airbus Helicopters

7. Required Equipment The basic equipment required by the applicable

airworthiness regulation (refer to certification basis) must

be fitted on the aircraft and in safe operation.

The Flight Manual must be on board.

V. Notes

 The weight and C.G. breakdown including the list of equipment items incorporated in the approved empty weight and the loading instruction shall be on board the helicopter at the time when the individual Certificate or Airworthiness is delivered and, then, at any time.

To obtain as precise as possible weight and C.G. data, the helicopter shall stay on jacks as fitted at the jacking points rather than on its landing gear. Where modifications are introduced in the helicopter weight and C.G., the Flight Manual instructions shall be referred to.

2. The following placard shall be displayed in clear view of the pilot:

"THIS HELICOPTER MUST BE OPERATED IN COMPLIANCE WITH THE OPERATING LIMITATIONS SPECIFIED IN THE DGAC-APPROVED ROTORCRAFT FLIGHT MANUAL.

THE AIRWORTHINESS LIMITATIONS SECTION OF THE ROTORCRAFT MAINTENANCE MANUAL MUST BE COMPLIED WITH."

For other placards, refer to Flight Manual

- 3. Chapter 5 "Master Servicing Recommendations" of the Maintenance Manuals has been deemed acceptable by the DGAC FR for maintaining the helicopters satisfactorily. Sub-chapter 5.99 "Airworthiness Limitations" contains the instructions which have to be mandatory complied with.
- 4. The compatibility between the optional systems is specified:
 - in sub-chapter OPTIONAL of the "Master Servicing Recommendations" for installation,
 - in Supplement 0 to Flight Manual for operation.
- This Data Sheet gives the values applicable to the latest 365 designs.
 For those aircraft with a former design or fitted with optional systems or subjected in customisation, refer to the Flight Manual for the concerned aircraft.
- 6. Production conditions:

Manufacturer	Production certificate (date of issuance)
Airbus Helicopters FR.21G.0003 (7 Jan 2014)	
Eurocopter FR.21G.0003 (21 Sept 2004)	
Eurocopter	F.G.003 (22 Dec 1997)
Eurocopter France	P02 (2 Jan 1992)
Aérospatiale Division Hélicoptères	P02 (8 Nov 1991)

- 7. Commercial designation: DAUPHIN
- 8. Conversion from one version to another one:

Original version	Version obtained	Embody Service Bulletin N°	
SA 365 N1	AS 365 N3	05-00-51	
AS 365 N2	AS 365 N3	265 01 00 62	

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V. Notes

Certification conditions: Design approval n° F.JA.01 granted on 20 July 1998 to EUROCOPTER (afore granted on 12 September 1996 to EUROCOPTER FRANCE)

- EUROCOPTER document n° L 102-001 contains the list of the serial numbers of the AS 365 N2 and 10. AS 365 N3 manufactured by HELIBRAS
- 11. Manufacturer's eligible serial numbers: reserved

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SECTION 3: SA 366 G1

Aide mémoire:

The type certification granted by DGAC-FR on 9 May 1983 was surrendered by Airbus Helicopters on 15 November 2017.

There are no longer any SA 366 G1 helicopters in operation, due to their retirement from service, or conversion to the SA 366 GA model (not included in TC EASA.R.105) by the application of Service Bulletin SB SA366 No. 01-27.

See also EASA Certification Information 2017-16, dated 5 October 2017.

* * *

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SECTION 4: EC 155 B

I. General

Type/ Model

1.1 Type EC 155 1.2 Model EC 155 B

2. Airworthiness Category Large Rotorcraft, Category A and B

3. Manufacturer Airbus Helicopters

Aéroport International Marseille-Provence

13725 Marignane CEDEX, France

Type Certification Application Date to DGAC FR 20 November 1997 4.

5. State of Design Authority **FASA**

(pre EASA: DGAC FR, France)

6. Type Certificate Date by DGAC FR 9 December 1998

7. Type Certificate n° by DGAC FR 159 8. Type Certificate Data Sheet n° by DGAC FR 86

9. **EASA Type Certification Date** 28 September 2003,

in accordance with CR (EU) 1702/2003, Article 2, 3., (a),

(i), 2nd bullet, 1st indented bullet.

II. Certification Basis

Reference Date for determining the applicable requirements

For Airworthiness and Environmental Protection:

20 November 1997,

for OSD elements: 17 February 2014

2. Airworthiness Requirements JAR 29, first issue, effective 5 November 1993. According to DGAC letter 986771 SFACT/N.HE, dated 2 December 1998, completed by DGAC letter SFACT/N.HE.-2003/0314, dated 31 January 2003.

CS 29.1465 Amdt. 5

Special Conditions

- HIRF (High Intensity Radiated Fields) (F-01)

- Minimum In Flight Experience (B-01)

- Ingestion of Hail (C-05)

- Non-rechargeable Lithium Battery installations (F-12)

Exemptions 4.

Reversions to FAR 29:

- FAR 29.561(b)(3), Amdt. 29-16 Emergency Landing

Conditions - General (C-01)

- FAR 29.571, Amdt. 29-16 (for metallic fuselage and mechanical components issued from previous AS 365 models only) Fatigue Evaluation of Structure (C-06)

- FAR 29.785, Amdt. 29-24 Seat, Safety belts and Harness (D-03)

- FAR 29.1305(a)(4)(i), Amdt. 29-16 Low Fuel Warning (F-02)

Exemption from JAR 29 first issue:

- JAR 29.562 Emergency dynamic Landing Conditions

- JAR 631 Bird Strike (for optional installations taken from previous AS365 versions and to a certain extent for windshield) (C-03)

- JAR 29.952 Fuel System Crash Resistance (E-01)



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5. Deviations none

6. Equivalent Safety Findings - JAR 29.173-175 Static Longitudinal Stability (B-02)

- JAR 29.807(c) Passenger Emergency Exits (D-05)

- JAR 29.923(p)(1) Rotor Drive endurance Test for Tail

Gear Box (E-04)

- JAR 29.955(b) Fuel Transfer System (E-05)- JAR 29.1151 Rotor Brake Indication (E-03)

- JAR 29.1303(j) VNE Aural Warning (F-05)

JAR 29.1401(d) Red Anti-collision Light (EC 155 B/B1 F-09)
JAR 29.1545(b)(4) Airspeed Indicator Marking (F-07)
JAR 29.1549(b) Power plant Instrument Marking (F-06)
JAR 29 Appendix B § IV for Speed Stability (B-03)

7. Environmental Protection Requirements

7.1 Noise Requirements See TCDSN EASA.R.105

7.2 Emission Requirements Pollution, Decree dated February 19, 1987 (N1, N2, N3)

ICAO recommendations for discharging fuel Annex 16,

Volume 2, 2nd Part (N3).

8. Operational Suitability Data (OSD) (For OSD elements see SECTION 6 below)

8.1 Master Minimum Equipment List (MMEL) JAR-MMEL, Amdt. 1, dated 1 August 2005

8.2 Flight Crew Data (FCD) CS-FCD, Initial Issue 31 January 2014 (EC155 A-FCD)

8.3 Simulation Data (SIMD) reserved8.4 Maintenance Certifying Staff Data (MCSD) reserved

III. Technical Characteristics and Operational Limitations

1. Type Design Definition According to EUROCOPTER document 365A04.6060

2. Description According to EUROCOPTER document 365A04.6000

Large twin-engine helicopter, conventional configuration, 5-blade fully articulated main rotor, 'Fenestron' tail rotor

3. Equipment According to EUROCOPTER document 365A04.6422

4. Dimensions

4.1 Fuselage Length: 12.47 m

Width: 3.48 m Height: 4.35 m

4.2 Main Rotor Diameter: 11.93 m4.3 Tail Rotor Diameter: 1.10 m

5. Engine

5.1 Model Safran Helicopter Engines (former: Turbomeca)

2 x Model Arriel 2C1

5.2 Type Certificate EASA TC/TCDS: EASA.E.001

5.2.1 Installed Engine Limits Refer to approved RFM

5.2.2 Transmission Torque Limits Refer to approved RFM

6. Fluids

6.1 Fuel Refer to approved RFM
 6.2 Oil Refer to approved RFM
 6.3 Additives Refer to approved RFM



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7. Fluid capacities

> 7.1 Fuel Usable 1 256 litres)

> > Unusable + 24 litres Total: 1 280 litres

7.2 Oil Engines: 2 x 6.2 litres (normal level)

> 9.0 litres (max. level) MGB: TGB: 0.5 litre (max. level)

7.3 Coolant system capacity RH system: 5.5 litres

6.5 litres LH system:

V_{NE PWR ON}: 175 KIAS (324 km/h) at 0 ft and at 3 000 kg 8. Air Speed Limitations

VNE PWR OFF: 135 KIAS (250 km/h) at 0 ft

Decrease function of altitude: Refer to approved RFM.

9. **Rotor Speed Limitations** Power on:

> Governed speed: 342 to 350 rpm

Power off:

Maximum transient 390 rpm 375 rpm Maximum Minimum 316 rpm Minimum transient 295 rpm

10. Maximum Operating Altitude and Temperature

10.1 Altitude Flight Hp: 13 000 ft (3 965 m) PA

TKOF/LDG Hσ: 8 500 ft (2 591 m)

10.2 Temperature -15°C < OAT < +40°C

> -40°C < OAT < +40°C providing the installation of EUROCOPTER modification n° 62C17, 67B62, 39C30,

39C37, 22B55, 29B62, 29B64 and 11B62

11. Operating Limitations VFR day/night

IFR

Category B, Category A (see Note 5)

12. Maximum Mass 4 800 kg

13. Centre of Gravity Range Longitudinal C.G. limits:

> Forward: 380 cm, Rear: 407 cm Lateral C.G. limits: RH/LH: 5 cm

14. Datum Longitudinal:

The datum plane (STA 0) is located at 4 000 mm forward

of the main rotor centre line. Lateral: aircraft symmetry plane

15. Levelling Means Three levelling blocks on transmission deck

16. Minimum Flight Crew 1 pilot on RH seat

17. Maximum Passenger Seating Capacity 14 (including co-pilot seat) Refer to approved RFM 18. Passenger Emergency Exit 19. Maximum Baggage/ Cargo Loads Maximum mass 300 kg.

Maximum load concentration 295 daN/m²

20. Rotor Blade Control Movement For rigging information, refer to Maintenance Manual

21. Auxiliary Power Unit (APU) none

22. Life-limited Parts Refer to the Airworthiness Limitation Section (ALS)



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23. Wheels and Tyres Main LG:

Wheel: ERAM/SLS 20475

Tyre: Dunlop 380*150.6, pressure 8.5 bar (0.85 MPa)

// GoodYear 156E06-1, pressure 8.5 bar (0.85 MPa)

Auxiliary LG:

Wheel: ERAM/SLS 18755

Tyres: Dunlop 330*130, pressure 5.5 bar (0.55 MPa)

// GoodYear 504C61-2, pressure 5.5 bar (0.55 MPa)

IV. Operating and Service Instructions

1. Flight Manual EC 155 B Flight Manual, normal revision RN0, 98-37

approved by DGAC FR on 4 December 1998, or subsequent DGAC FR or EASA approved revisions

2. Maintenance Manual EC 155 B Master Servicing Manual Chapter 04

"Airworthiness Limitations" approved on

9 December 1998 or later DGAC FR or EASA approved

revisions.

EC 155 B Aircraft Maintenance Manual

3. Structural Repair Manual EC 155 B Structural Repair Manual

4. Weight and Balance Manual EC 155 B Flight Manual, Volume 2, Section 6

5. Illustrated Parts Catalogue EC 155 B Illustrated Parts Catalogue

6. Service Letters and Service Bulletins As published by Eurocopter or Airbus Helicopters

7. Required equipment The basic equipment required by the applicable

airworthiness regulation (refer to certification basis) must

be fitted on the aircraft and in safe operation.

The Flight Manual must be on board.

V. Notes

1. The weight and C.G. breakdown including the list of equipment items incorporated in the approved empty weight and the loading instruction shall be on board the helicopter at the time when the individual Certificate or Airworthiness is delivered and, then, at any time.

To obtain as precise as possible weight and C.G. data, the helicopter shall stay on jacks as fitted at the jacking points rather than on its landing gear. Where modifications are introduced in the helicopter weight and C.G., the Flight Manual instructions shall be referred to.

- 2. The EC 155 B Master Servicing Manual has been deemed acceptable by the DGAC FR to perform proper maintenance on the helicopters. EC 155 B MSM Chapter 04 "Airworthiness Limitations" covers the instructions that must be complied with.
- 3. Production conditions:

Manufacturer	Production certificate (date of issuance)
Airbus Helicopters	EASA.21G.0070 (1 Feb 2018)
Airbus Helicopters	FR.21G.0003 (7 Jan 2014)
Eurocopter	FR.21G.0003 (21 Sept 2004)
Eurocopter	F.G.003 (22 Dec 1997)

4. Certification conditions:

Design approval n° F.JA.01 granted on 20 July 1998 to EUROCOPTER (formerly granted on 12 September 1996 to EUROCOPTER FRANCE)

5. Category A operations require the following modification to be embodied:

AMS N° 07-22B47

Single pilot IFR Flights require the following modifications to be embodied:

AMS N° 07-39B78, 07-39B79, 07-71B85 and 07-71B91



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V. Notes

6. Manufacturer's eligible serial numbers for EC 155 B model: s/n 6520, and subsequent

* * *

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SECTION 5: EC 155 B1

I. General

Type/ Model

1.1 Type EC 155 1.2 Model EC 155 B1

2. Airworthiness Category Large Rotorcraft, Category A and B

3. Manufacturer Airbus Helicopters

Aéroport International Marseille-Provence

13725 Marignane CEDEX, France

4. Type Certification Application Date to DGAC FR 7 February 2001

5. State of Design Authority

(pre EASA: DGAC FR, France)

6. Type Certificate Date by DGAC FR 16 July 2002

7. Type Certificate n° by DGAC FR 159 8. Type Certificate Data Sheet n° by DGAC FR 86

9. **EASA Type Certification Date** 28 September 2003,

in accordance with CR (EU) 1702/2003, Article 2, 3., (a),

(i), 2nd bullet, 1st indented bullet.

II. Certification Basis

Reference Date for determining the applicable requirements

20 November 1997,

for OSD elements: 17 February 2014

Airworthiness Requirements

2.1 JAR 29, Issue 1, effective 5 November 1993.

> According to EC 155 B1 EASA Type Certification Basis and environmental requirements (EC 155 B1 A-01, Issue 7).

For Airworthiness and Environmental Protection:

2.2 CS 29.1465 Amdt. 5

2.3 For H/C incorporating: MOD 07.63C88 (MGB-R),

> 07.63C86 (right servo pump support), 07.63C89 (servo pump support),

07.63C90 (rotor brake)

Only for the affected areas related to the mentioned MOD, as above with the following CS 29 Amdt. 3, dated 11 December 2012 as replacement of the same numbered paragraph of JAR 29 issue 1,

dated 5 November 1993:

29.29, 29.301, 29.303, 29.305, 29.307, 29.309, 29.337(a), 29.361, 29.549(c)(e), 29.561, 29.571, 29.601, 29.602, 29.603, 29.605, 29.607, 29.609, 29.610, 29.611, 29.613, 29.619, 29.621, 29.863, 29.901, 29.908, 29.917, 29.921, 29.923, 29.927, 29.935, 29.939, 29.1013, 29.1015, 29.1017, 29.1021, 29.1023, 29.1027, 29.1041, 29.1151, 29.1163, 29.1301, 29.1305, 29.1309, 29.1337, 29.1461,

29.1501, 29.1521, 29.1529, 29.1551, 29.1557, 29.1581,

29.1583 and 29.1585.

Special Conditions - HIRF (High Intensity Radiated Fields)

(EC 155 B F-01)

- Minimum In Flight Experience

(EC 155 B1 B-01)

- Ingestion of Hail (EC 155 B C-05)

- Non-rechargeable Lithium Battery installations (F-12)

- Loss of Oil from Gearboxes Utilising a Pressurized

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Lubrication System (EC 155 B1 E-06)

4. Exemptions

Reversions to FAR 29:

- FAR 29.561(b)(3), Amdt. 29-16 Emergency Landing Conditions – General (EC 155 B C-01)
- FAR 29.571, Amdt. 29-16 (for metallic fuselage and mechanical components issued from previous AS 365 models only) Fatigue Evaluation of Structure (EC 155 B C-06)
- FAR 29.785, Amdt. 29-24 Seat, Safety belts and Harness (EC 155 B D-03)
- FAR 29.1305(a)(4)(i), Amdt. 29-16 Low Fuel Warning (EC 155 B F-02)

Exemption from JAR 29 first issue:

- JAR 29.562 Emergency dynamic Landing Conditions (EC 155 B C-02)
- JAR 631 Bird Strike (for optional installations taken from previous AS 365 versions and to a certain extent for windshield) (specific to EC155B1 not equipped with serial Mod 07 56B32) (EC 155 B C-03)
- JAR 29.952 Fuel System Crash Resistance (EC 155 B E-01)

5. **Deviations**

Equivalent Safety Findings 6.

none

- JAR 29.173-175 Static Longitudinal Stability (EC 155 B B-02)
- JAR 29.807(c) Passenger Emergency Exits (EC 155 B D-05)
- JAR 29.923(p)(1) Rotor Drive endurance Test (EC 155 B E-04)
- JAR 29.923 and JAR 29.927(b)(2) Rotor Drive System and Control Mechanism Tests and Additional Tests (EC 155 B1 E-01)
- JAR 29.923 and JAR 29.927(b)(2) Rotor Drive System and Control Mechanism Tests and Additional Tests (EC 155 B1 E-07)
- JAR 29.955(b) Fuel Transfer System (EC 155 B E-05)
- JAR 29.1151 Rotor Brake Indication (EC 155 B E-03)
- JAR 29.1303(j) V_{NE} Aural Warning (EC 155 B F-05)
- JAR 29.1401(d) Red Anticollision Light (EC 155 B/B1 F-09)
- JAR 29.1545(b)(4) Airspeed Indicator Marking (EC 155 B F-07)
- JAR 29.1549(b) Power plant Instrument Marking (EC 155 B F-06)
- JAR 29 Appendix B § IV for Speed Stability (EC 155 B B-03)

Environmental Protection Requirements

7.1 Noise Requirements

See TCDSN EASA.R.105

7.2 Emission Requirements

Pollution, Decree (French "Arrêté") dated February 19, 1987 (N1, N2, N3) ICAO recommendations for discharging fuel Annex 16, Volume 2, 2nd Part (N3).



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8. Operational Suitability Data (OSD) (For OSD elements see SECTION 6 below)

8.1 Master Minimum Equipment List (MMEL) JAR-MMEL, Amdt. 1, dated 1 August 2005

8.2 Flight Crew Data (FCD) CS-FCD, Initial Issue 31 January 2014 (EC155 A-FCD)

8.3 Simulation Data (SIMD) reserved8.4 Maintenance Certifying Staff Data (MCSD) reserved

III. Technical Characteristics and Operational Limitations

1. Type Design Definition According to EUROCOPTER document 365A04.6926

2. Description According to EUROCOPTER document 365A04.6840

Large twin-engine helicopter, conventional configuration, 5-blade fully articulated main rotor, 'Fenestron' tail rotor

3. Equipment According to EUROCOPTER document 365A04.6422

4. Dimensions

4.2 Main Rotor

4.1 Fuselage Length: 12.71 m

 Width:
 3.48 m

 Height:
 4.35 m

 Diameter:
 12.60 m

4.3 Tail Rotor Diameter: 1.10 m

Engine

5.1 Model Safran Helicopter Engines (former: Turbomeca)

2 x Model Arriel 2C2

5.2 Type Certificate EASA TC/TCDS: EASA.E.001

5.3.1 Installed Engine Limits Refer to approved RFM
 5.3.2 Transmission Torque Limits Refer to approved RFM

6. Fluids

6.1 Fuel Refer to approved RFM
 6.2 Oil Refer to approved RFM
 6.3 Additives Refer to approved RFM

7. Fluid capacities

7.1 Fuel Usable 1 256 litres

Unusable + $\frac{24 \text{ litres}}{1 280 \text{ litres}}$

7.2 Oil Engines: 2 x 6.2 litres (normal level)

MGB: 9.0 litres (max. level)
TGB: 0.5 litre (max. level)

7.3 Coolant system capacity RH system: 5.5 litres

LH system: 6.5 litres

8. Air Speed Limitations V_{NE PWR ON}: 175 KIAS (324 km/h) at 0 ft and at 3 000 kg

V_{NE PWR OFF}: 135 KIAS (250 km/h) at 0 ft

Decrease function of altitude: Refer to approved RFM.

9. Rotor Speed Limitations Power on:

Governed speed: 342 to 350 rpm

Power off:

Maximum transient 390 rpm Maximum 375 rpm Minimum 316 rpm



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> Minimum transient 295 rpm

10. Maximum Operating Altitude and Temperature

10.1 Altitude 15 000 ft (4 572 m) PA Flight Hp:

TKOF/LDG Ho: 13 000 ft (3 960 m)

10.2 Temperature -15°C < OAT < +50°C

> -40°C < OAT < +50°C providing the installation of EUROCOPTER modification n° 62C17, 67B62, 39C30,

39C37, 22B55, 29B62, 29B64 and 11B62

11. Operating Limitations VFR day/night

IFR

Category B, Category A

12. Maximum Mass General: 4850 kg, or,

> 4 920 kg for helicopters equipped with EUROCOPTER modifications n° 62C17, 67B62, 39C30, 39C37, 22B55, 29B62, 29B64 and 11B62,

and limited to operations at -30°C < OAT < +50°C

Taxiing: 4 950 kg

13. Centre of Gravity Range Longitudinal C.G. limits:

> Forward: 380 cm. Rear: 407 cm Lateral C.G. limits: RH/LH: 5 cm

14. Datum Longitudinal:

The datum plane (STA 0) is located at 4 000 mm forward

of the main rotor centre line. Lateral: aircraft symmetry plane

15. Levelling Means Three levelling blocks on transmission deck

16. Minimum Flight Crew 1 pilot on RH seat

17. Maximum Passenger Seating Capacity 14 (including co-pilot seat) 18. Passenger Emergency Exit Refer to approved RFM

19. Maximum Baggage/ Cargo Loads Maximum mass 300 kg.

Maximum load concentration 295 daN/m²

20. Rotor Blade Control Movement For rigging information, refer to Maintenance Manual

21. Auxiliary Power Unit (APU)

22. Life-limited Parts Refer to the Airworthiness Limitation Section (ALS)

23. Wheels and Tyres Main LG:

Wheel: ERAM/SLS 20475

Dunlop 380*150.6, pressure 8.5 bar (0.85 MPa)

// GoodYear 156E06-1, pressure 8.5 bar (0.85 MPa)

Nose LG E18740:

Wheel: ERAM 18755 / SLS 18755

Tyres: Dunlop 330*130, pressure 5.5 bar (0.55 MPa)

// GoodYear 504C61-2, pressure 5.5 bar (0.55 MPa)

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IV. Operating and Service Instructions

Flight Manual EC 155 B1 Flight Manual, normal revision RNO, 02-20

approved by DGAC FR on 31 July 2002,

or subsequent DGAC FR or EASA approved revisions

2. Maintenance Manual EC 155 B1 Master Servicing Manual Chapter 04

"Airworthiness Limitations" approved on 31 July 2002,

or later DGAC FR or EASA approved revisions. EC 155 B1 Aircraft Maintenance Manual

3. Structural Repair Manual EC 155 B1 Structural Repair Manual

4. Weight and Balance Manual EC 155 B1 Flight Manual, Volume 2, Section 6

5. Illustrated Parts Catalogue EC 155 B1 Illustrated Parts Catalogue

6. Service Letters and Service Bulletins As published by Eurocopter or Airbus Helicopters

7. Required equipment The basic equipment required by the applicable

airworthiness regulation (refer to certification basis) must

be fitted on the aircraft and in safe operation.

The Flight Manual must be on board.

V. Notes

The weight and C.G. breakdown including the list of equipment items incorporated in the approved empty weight and the loading instruction shall be on board the helicopter at the time when the individual Certificate or Airworthiness is delivered and, then, at any time.
 To obtain as precise as possible weight and C.G. data, the helicopter shall stay on jacks as fitted at the jacking points rather than on its landing gear. Where modifications are introduced in the helicopter weight and C.G., the Flight Manual instructions shall be referred to.

2. The EC 155 B1 Master Servicing Manual has been deemed acceptable by the DGAC FR to perform proper maintenance on the helicopters. EC 155 B1 MSM Chapter 04 "Airworthiness Limitations" covers the instructions that must be complied with.

3. Production conditions:

Manufacturer	Production certificate (date of issuance)
Airbus Helicopters	EASA.21G.0070 (1 Feb 2018)
Airbus Helicopters	FR.21G.0003 (7 Jan 2014)
Eurocopter	FR.21G.0003 (21 Sept 2004)
Eurocopter	F.G.003 (22 Dec 1997)

4. Certification conditions:

Design approval n° F.JA.01 granted on 20 July 1998 to EUROCOPTER (formerly granted on 12 September 1996 to EUROCOPTER FRANCE)

- 5. Manufacturer Airbus Helicopters POA EASA.21G.0070:
 - from s/n 6620 to s/n 7057 (last s/n produced in Marignane): Airbus Helicopters (Airbus Helicopters, Aéroport International Marseille-Provence, 13725 Marignane-CEDEX).
 - from s/n 7062 to subsequent: Airbus KAI (Korea Aerospace Industries, LTD, Sachon Plant 78, Gongdan 1-Ro, Sacheon-City, Gyeongnam, Korea 664-710)

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SECTION 6: OPERATIONAL SUITABILITY DATA (OSD)

The OSD elements listed below are approved by the European Union Aviation Safety Agency as per Commission Regulation (EU) 748/2012, as amended by Commission Regulation (EU) No 69/2014.

OSD Elements

1. MMEL

Helicopter model	MMEL	Accepted / approved by	Approval date
SA 365 N SA 365 N1 AS 365 N2	AS 365 N/N1/N2 MMEL Normal Revision 2, Date Code 05-25–, or later approved RN	JAA (DGAC FR)	19 Sep 2005
AS 365 N3	AS 365 N3 MMEL Normal Revision 0 Issue 2, Date Code 10-05— or later approved RN	EASA	19 May 2010
EC 155 B EC 155 B1	EC 155 B/B1 Normal Revision 0 Issue 2, Date Code 09-43— or later approved RN	EASA	25 Nov 2009

2. Flight Crew Data

Airbus Helicopters Document 365ABN0399 - Flight Crew Data for Dauphin Helicopters Family, including:

- Appendix A: OSD Cover Sheet to Appendix B: Division of Mandatory Data Non Mandatory Data
- Appendix B: Operational Evaluation Board Report Final Report Version 2, dated 8 February 2012
- 3. SIM Data

reserved

4. Maintenance Certifying Staff Data

reserved

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SECTION: ADMINISTRATIVE

I. Acronyms and Abbreviations

AH	Airbus Helicopters	OEI	One Engine Inoperative
ALS	Airworthiness Limitations Section	OSD	Operational Suitability Data
Amdt.	Amendment	PA	Pressure altitude
C.G.	Centre of Gravity	p/n	Part number
ESF	Equivalent Safety Finding	POA	Production Organisation Approval
HIRF	High Intensity Radiated Fields	RFM	Rotorcraft Flight Manual
Нр	Pressure altitude	RH	Right Hand
Ησ	Density altitude	SC	Special Condition
IFR	Instrument Flight Rules	s/n	Serial number
JAA	Joint Aviation Authorities	STA	Station
JAR	Joint Aviation Requirements	TKOF/LDG	Take-off/Landing
LH	Left Hand	VFR	Visual Flight Rules
LG	Landing Gear	V _{NE}	Velocity Never Exceed

II. Type Certificate Holder Record.

Type Certificate Holder	Period
Aérospatiale 37, Boulevard de Montmorency 75781 Paris CEDEX 16, France	From 4 July 1978 until 31 December 1991
Eurocopter France Aéroport International Marseille – Provence 13725 Marignane CEDEX, France	From 1 January 1992 until 30 May 1997
Eurocopter Aéroport International Marseille – Provence 13725 Marignane CEDEX, France	From 1 June 1997 until 6 January 2014
Airbus Helicopters Aéroport International Marseille – Provence 13725 Marignane CEDEX, France	Since 7 January 2014

III. Change Record

Issue	Date	Changes	TC issue
Issue 1	7 Jan 2014	Initial issue of EASA TC/TCDS	Initial Issue, 7 January 2014
Issue 2	20 Jul 2015	1 st page updated; Section 6 for OSD added	
Issue 3	8 Dec 2015	Paragraph "8. Master Minimum Equipment List" removed from Sections 1, 2, 3, 4, 5 / IV. Operating and Service Instructions; Section 6 (OSD) updated	
Issue 4	1 Feb 2018	Surrender of models SA 365 C and SA 366 G1; EC 155 B serial number corrected from 6544 to 6520; formal TCDS revision, format updated, minor corrections	Re-issued 1 February 2018
Issue 5	14 Feb 2020	Section 1, 2, 4 and 5, II, 3: added reference to SC Lithium battery. Section 2, II.7: added CS 29.1465 Amdt. 5 Section 2, III.14: datum line typo correction; Section 4, III.5.1: engine type typo correction. Section 4 and 5, II.7: added CS 29.1465 Amdt. 5	

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Issue	Date	Changes	TC issue
		Section 5, II.6: typo correction on E-04 for 29.923(p)(1)	
		Section 5, III.2: blades number typo correction	
		Section 5, III.23: NLG typo correction	
		Section 6, I.I.3: CS-FCD Initial Issue introduced.	
		References to SC/ESF updated.	
Issue 6	1 Dec 2020	Section 2, II.3: SAR DGAC Letter added	
		Section 2, II.3: Special Conditions and CRI F-12 added	
		Section 2, III.23: Alternative P/N for Wheels and Tyres	
		added	
		Section 4, II.6: EC155 B F-09 by EC155 B/B1 because	
		the CRI is common B/B1	
		Section 4, III.23: Alternative P/N for Wheels and Tyres	
		added	
		Section 5, II.2: A-01 update at issue 7	
		Section 5, II.2: CS 29 issue 3 requirements added	
		Section 5, II.4: Added remark regarding "bird strike"	
		compliance for New Canopy mod 07 56B32	
		Section 5, II.6: E-07 introduced	
		Section 5, III.23: Alternative P/N for Wheels and Tyres added	
		Section 5, V.5: Introduced KAI POA	
		Section 6, I.I.3: reference to A-FCD added	
Issue 7	10 Dec 2021	Sections 1, 2, 4, 5, V.6: table identifying the POA holder	
		and traceability added;	
		Sections 1, 2, 4, 5: OSD 'cert basis' and 'elect-to-	
		comply' moved to 'II.';	
		Section 5, V.5: update of s/n range of EC 155 B1	
		considering all the s/n under AH POA;	
		All Sections: format updated, minor corrections.	

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