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Section I. General Data

A350-900 Series Aircraft

1. Developer and Manufacturer	AIRBUS S.A.S. 2 Rond-point Emile Dewoitine 31700 Blagnac FRANCE	
2. Type/Model	A350 / A350-941	
3. Brief Aircraft Description	Two turbo-fan, long range, twin aisle, large category airplane	
4. State of Design Certification Date	EASA Type Certificate No. EASA.A.151 issued on 30.09.2014.	
5. Date of Initial Certification in the Russian Federation	13 December 2019	
6. Certification Basis	Aviation Regulations, Part 25 "Airworthiness requirements for transport category airplanes" (AP-25), Amendments 1 – 6. Annex 16 ICAO "Environmental Protection", Volume 1, "Aircraft Noise"	
	<i>Note:</i> <i>Noise levels for A350-941 aircraft depending on incorporated modifications are given in the Noise TCDS to the EASA Type Certificate No A.151.</i>	
7. Type Design Definition	FATA Type Certificate № FATA-01047A is applicable to A350-941 aircraft which Type Design is defined by: <ul style="list-style-type: none"> 1. Document defining FATA approved Type Design "FATA Type Design Definition", Ref. V00SP1903856, Issue 01; 2. Airbus A350-941 operational documentation: <ul style="list-style-type: none"> - A350-941 Airplane Flight Manual (AFM), ref. STL 35000 with Supplement for aircraft, certified by FATA, ref. "Airbus AFM Change Project 00V101AC122/C01 Issue 01, approved by EASA; - A350-941 Airworthiness Limitations Section (ALS), (see §25 for detailed references), approved by EASA; - A350-941 Maintenance Review Board Report, ref. 00 V 050 AMRBR / C01 (MRBR); - A350-941 Weight and Balance Manual, ref. 00 V 080 A0001 / C9S); - A350-941 Master Minimum Equipment List (MMEL), ref. STL 35100 approved by EASA as a part of the Operational Suitability Data is applicable with consideration of operational regulations effective in the Russian Federation 	
8. Engines	Two Rolls Royce Trent XWB-84 turbofan engines.	
8.1. Engine Limits	Net Take-off (5 minutes)	374.5 kN
	Net Maximum Continuous	317.6 kN

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The take-off thrust, with the associated limits, shall not be used continuously more than 5 minutes. The duration may be extended to 10 minutes in case of engine failure in multi-engine aircraft. If the duration exceeds 5 minutes, this shall be recorded in the engine log book.

For performance and other engine limitations see the A350-941 Airplane Flight Manual and engine TCDS No. FATA-01053E.

- 9. Auxiliary Power Unit (APU)** One APU, Honeywell HGT1700.
Approved fuel and oil: Refer to applicable Manuals.
- 10. Fuel and Fuel Additives** For approved fuel grades see the A350-941 Airplane Flight Manual, approved by EASA.
For fuel additives refer to the Rolls-Royce engine “Operating Instructions”.
- 11. Oil** Refer to applicable Rolls-Royce engine “Operating Instructions”.
- 12. Limit Speeds** Refer to A350-941 Airplane Flight Manual, approved by EASA.
- 13. Center of Gravity Range** Refer to A350-941 Airplane Flight Manual, approved by EASA.
- 14. Maximum Certified Weights**

VARIANT (Mod number)	000 (Basic)	001 (104052)	002 (107986)	003 (107987)	004 (108086)	005 (108396)	006 (115231)
MTOW (t)	268	275	272	268	260	250	272
MLW (t)	205	207	207	207	207	205	207
MZFW (t)	192	195.7	194	195.7	195.7	192	195.7

VARIANT (Mod number)	007 (110117)	008 (108594)	009 (109397)	010 (110113)	011 (109585)	012 (110115)
MTOW (t)	268	240	275	280	255	250
MLW (t)	207	207	207	207	207	207
MZFW (t)	194	195.7	197.2	195.7	195.7	194

VARIANT (Mod number)	014 (109837)	015 (110796)	016 (112672)	018 (112498)	019 (113792)	023 (114698)
MTOW (t)	235	277	278	217	235	280
MLW (t)	207	205	207	207	205	205
MZFW (t)	195.7	192	195.7	195.7	192	192

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15. Fuel Quantity
(Fuel density is 0.785 kg/l)

Tanks	Usable Fuel (l)	Usable Fuel (kg)
Wing	29924	23490
Center	80947	63543
Total	140795	110523

16. Minimum Flight Crew

Two (2): Pilot and co-pilot

17. Minimum Cabin Crew

For the A350-941, the minimum required cabin crew number established during the aircraft certification process is 8 (2 per exit pair), irrespective of the Maximum Operational Seating Capacity (MOPSC).

If the MOPSC for the specific aircraft exceeds 400, the minimum required cabin crew number becomes 9.

18. Maximum Number of Passengers

The maximum number of passengers approved for emergency evacuation is:

- 385 for the basic passenger emergency exit configuration C-A-A-A and A-A-C-A,
- 330 for the optional passenger emergency exit configuration C-A-C-A and C-C-A-A,
- 440 for the optional passenger emergency exit configuration A-A-A-A
- 275 for the optional passenger emergency exit configuration C-C-C-A

Note: For distribution of passengers in cabin zones see Section 2.5 "Maximum number of Passenger Seating Capacity" of the EASA TCDS No. EASA.A.151.

19. Maximum Cargo Weight

Cargo compartment	Maximum load (kg)
Forward	22000
Aft	19000
Rear (bulk)	3468

20. Maximum Operating Altitude

43100 ft

21. Required Equipment

1. Mandatory modifications required by the EASA Airworthiness Directives and modifications listed in the document "FATA Type Design Definition", Ref. V00SP1903856, Issue 01, shall be embodied.

Note: Document "FATA Type Design Definition", Ref. V00SP1903856, Issue 01, shall be provided by Airbus to each Operator together with a set of operational documentation listed in paragraph 7 of the current TCDS.

2. All inscriptions and placards (excluding placards in form of pictograms) inside the aircraft related to rescue equipment and addressed to passengers must be bilingual: in English and in Russian.
3. Flights over the extensive water areas are allowed for aircraft when equipped with combined gangways-rafts (located on emergency exit door) and with the additional rafts (number and capacity are defined by max. number of passengers).
4. Cabin seats shall conform to the "Passenger Seat Frame Specification" document ref. 00V252K0005/C91 Issue 04.

22. All Weather Capabilities

A350-941 aircraft is qualified to Cat 3 precision approach and Autoland.

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23. Wheels and Tyres

Gear	Quantity	Wheel Size	Tyre Size
NLG	2	16"	1050x395R16 28PR
MLG	8	23"	1400x530R23 42PR

24. Hydraulics

Fluid specifications: TYPE IV LD and TYPE V LD, as per NSA 307-110, or any mixture of both.

25. Airworthiness Limitations

- Safe Life Airworthiness Limitations Items are provided in the A350 Airworthiness Limitations Section (ALS) Part 1, Revision 00 (Document 00 V 050 ALS01 / C01 Issue 1*);
- Damage-Tolerant Airworthiness Limitations Items are provided in the A350 Airworthiness Limitations Section (ALS) Part 2, Revision 00 (Document 00 V 050 ALS02 / C01 Issue 1*);
- Certification Maintenance Requirements are provided in the A350 Airworthiness Limitations Section (ALS) Part 3, Revision 00 (Document 00 V 050 ALS03 / C01 Issue 2*);
- A350 System Equipment Maintenance Requirements are provided in the A350 Airworthiness Limitations Section (ALS) Part 4, Revision 00 (Document 00 V 050 ALS04 / C01 Issue 1*);
- A350 Fuel System Airworthiness Limitations are provided in the A350 Airworthiness Limitations Section (ALS) Part 5, Revision 00 (Document 00 V 050 ALS05 / C01 Issue 2*);
- Maintenance Review Board Report 00 V 050 AMRBR / C01.

Except if documented in aircraft documentation (Maintenance Procedures, Structural Repair Instructions, Electrical Standard Practices, Service Bulletins), all elements that are part of the Electrical Structure Network (ESN) shall not be modified, removed or repaired without agreement of Airbus.

Note: Initial Revision and subsequent Revisions, approved by EASA.*

26. ETOPS

The Type Design, system reliability and performance of the A350-941 model were found capable for Extended Range Operations (ETOPS) with maximum diversion time of 180 minutes and more than 180 minutes. The requirements to aircraft configuration, operational and maintenance procedures are referenced in the current revision of the ETOPS Configuration, Maintenance and Procedures (CMP) document, XWB/EASA: CS25.1535/CMP.

This finding does not constitute an approval to conduct Extended Range Operations and does not exclude operational approval to be obtained from the responsible Authority for the particular operator.

27. Ambient air temperature limits near the ground for take-off and landing

Operation of A350-941 aircraft is allowed at ambient air temperature near the ground not lower than minus 40°C and not higher than 55°C.

A350-941 aircraft are allowed to perform take-offs and landings with short-term parking during time interval not longer than 180 minutes at ambient air temperature near the ground down to minus 48°C.

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- 28. Other Operational Limitations** For other operational limitations see the A350-941 Airplane Flight Manual (AFM) with Supplement for aircraft certified by FATA ref. "Airbus AFM Change Project 00V101AC122/C01 Issue 01, approved by EASA.
- 29. Flight Crew Training**
- Flight crew training requirements are specified in the Airbus document V01RP1505446 "A350 Operational Suitability Data Flight Crew", Issue 01 dated 05.05.2015, or later issues approved by EASA.
 - Pilot Type Rating: the license endorsement for the A350-900 series aircraft and for A330 aircraft modifications is the same.
- 30. Cabin Crew Training**
- Cabin crew training requirements are specified in the Airbus document V01RP1519368 "A350 Operational Suitability Data Cabin Crew", Issue 01 dated 03.06.2015, or later issues approved by EASA.
 - A350-900 series aircraft is the variant of A330-200/300 aircraft.

Section I. Additional Information

1. TCDS Change Record

TCDS Issue	Date	Description	Applicability
01	13.12.2019	Initial issue related with A350-900 aircraft certification in the Russian Federation	A350-941

Original document in Russian signed by Mr. O. Storchevoy, Deputy Director General