



TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.IM.A.070

for

Gulfstream GII, GIII, GIV, GV

Type Certificate Holder:

Gulfstream Aerospace Corporation

500 Gulfstream Road

Savannah, GA, 31408

USA

For models:

G1159

G1159A

G1159B

GIV

GIV-X

GV

GV-SP



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Type Certificate Holder¹ **Gulfstream Aerospace Corporation** Aircraft Type Designation¹ **G1159**
 (Commercial Designation **GII**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG** Engine Type Designation¹ **Spey 511-8**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **ASC 175 (Chapter 2 hushkit)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **2**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A5011	28,123	26,535	102.7	102.0	90.9	93.0	98.2	102.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **G1159**
(Commercial Designation **GII**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Spey 511-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 200 (Chapter 2 hushkit, wing tip tanks)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **2**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A5012	29,710	26,535	103.0	102.0	92.5	93.0	98.3	102.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation** Aircraft Type Designation¹ **G1159A**
 (Commercial Designation **GIII**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG** Engine Type Designation¹ **Spey 511-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **2**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A5014	31,615	26,535	103.4	102.0	91.1	93.0	97.3	102.0	-
A5013	30,935	26,535	103.4	102.0	91.1	93.0	97.3	102.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation** Aircraft Type Designation¹ **G1159B**
 (Commercial Designation **GIIB**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG** Engine Type Designation¹ **Spey 511-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **2**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A18903	31,615	26,535	103.4	102.0	91.1	93.0	97.3	102.0	-
A18904	30,935	26,535	103.4	102.0	91.1	93.0	97.3	102.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation** Aircraft Type Designation¹ **GIV**

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG** Engine Type Designation¹ **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8487	33,838	29,937	87.6	94.0	79.0	89.0	93.3	98.0	-
A3806	33,203	26,535	87.7	94.0	78.6	89.0	91.0	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV**

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 061 (49,000 lb. Zero Fuel Gross Weight Increase (with Speed Restriction) G-IV)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment

Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8485	33,203	26,535	87.7	94.0	78.6	89.0	91.0	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV**

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 061, ASC487 (49,000 lb. Zero Fuel Gross Weight Increase (with Speed Restriction) GIV, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment

Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15469	33,203	26,535	87.7	94.0	78.6	89.0	91.0	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV**

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 190 (Increased Ramp, Landing and Zero Fuel Gross Weight G-IV)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment

Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A3807	33,838	29,937	87.6	94.0	79.0	89.0	93.3	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV**

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 190, ASC 487 (Increased Ramp, Landing and Zero Fuel Gross Weight G-IV, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment

Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15471	33,838	29,937	87.6	94.0	79.0	89.0	93.3	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV**

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 261 (49,000 lb. Zero Fuel Gross Weight Increase G-IV)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment

Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8486	33,203	26,535	87.7	94.0	78.6	89.0	91.0	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV**

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 261, ASC 487 (49,000 lb. Zero Fuel Gross Weight Increase G-IV, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment

Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15468	33,203	26,535	87.7	94.0	78.6	89.0	91.0	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV**
(Commercial Designation **G300**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 436 (G300 Modification)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8484	32,658	29,937	87.7	94.0	78.2	89.0	93.3	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV**
(Commercial Designation **G300**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 436, ASC 487 (G300 Modification, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15472	32,658	29,937	87.7	94.0	78.2	89.0	93.3	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV**
(Commercial Designation **G400**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 440 (G400 Modification)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8488	33,838	29,937	87.6	94.0	79.0	89.0	93.3	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV**
(Commercial Designation **G400**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 440, ASC 487 (G400 Modification, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15473	33,838	29,937	87.6	94.0	79.0	89.0	93.3	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation** Aircraft Type Designation¹ **GIV**

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG** Engine Type Designation¹ **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **ASC 487 (Recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15474	33,838	29,937	87.6	94.0	79.0	89.0	93.3	98.0	-
A15470	33,203	26,535	87.7	94.0	78.6	89.0	91.0	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV-X**
(Commercial Designation **G350**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 004 (S/N 4001 thru 4200, G350 Modification)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A4919	32,159	29,937	89.7	94.0	74.1	89.0	92.3	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV-X**
(Commercial Designation **G350**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 004 (S/N 4201 & Subs, G350 Modification, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A18941	32,159	29,937	89.7	94.0	74.1	89.0	92.3	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV-X**
(Commercial Designation **G350**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 004, ASC 007() (S/N 4001 thru 4200, G350 Modification, Reduced MLW)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15570	32,159	26,535	89.7	94.0	74.1	89.0	92.5	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV-X**
(Commercial Designation **G350**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 004, ASC 007() (S/N 4201 & Subs, G350 Modification, Reduced MLW, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A18942	32,159	26,535	89.7	94.0	74.1	89.0	92.5	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV-X**
(Commercial Designation **G350**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 004, ASC 007(), ASC 064 (S/N 4001 thru 4200, G350 Modification, Reduced MLW, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15483	32,159	26,535	89.7	94.0	74.1	89.0	92.5	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV-X**
(Commercial Designation **G350**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 004, ASC 064 (S/N 4001 thru 4200, G350 Modification, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15478	32,159	29,937	89.7	94.0	74.1	89.0	92.3	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV-X**
(Commercial Designation **G450**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 005 (S/N 4001 thru 4200, G450 Modification)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A4918	33,520	29,937	89.5	94.0	75.8	89.0	92.3	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV-X**
(Commercial Designation **G450**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 005 (S/N 4201 thru 4239, G450 Modification, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A18944	33,520	29,937	89.5	94.0	75.8	89.0	92.3	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV-X**
(Commercial Designation **G450**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 005 (S/N 4240 & Subs, G450 Modification, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A18945	33,838	29,937	89.5	94.0	76.2	89.0	92.3	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV-X**
(Commercial Designation **G450**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 005, ASC 007() (S/N 4001 & 4200, G450 Modification, Reduced MLW)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15568	33,520	26,535	89.5	94.0	75.8	89.0	92.5	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV-X**
(Commercial Designation **G450**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 005, ASC 007() (S/N 4240 & Subs, G450 Modification, MTOW increase, Reduced MLW, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A18947	33,838	26,535	89.5	94.0	76.2	89.0	92.5	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV-X**
(Commercial Designation **G450**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 005, ASC 007(), ASC 064 (S/N 4001 thru 4200, G450 Modification, Reduced MLW, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15481	33,520	26,535	89.5	94.0	75.8	89.0	92.5	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV-X**
(Commercial Designation **G450**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 005, ASC 016 (S/N 4001 thru 4200, G450 Modification, MTOW increase)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8918	33,838	29,937	89.5	94.0	76.2	89.0	92.3	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV-X**
(Commercial Designation **G450**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 005, ASC 016 (S/N 4201 thru 4239, G450 Modification, MTOW increase, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A18943	33,838	29,937	89.5	94.0	76.2	89.0	92.3	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV-X**
(Commercial Designation **G450**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 005, ASC 016, ASC 007() (S/N 4001 thru 4200, G450 Modification, MTOW increase, Reduced MLW)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15569	33,838	26,535	89.5	94.0	76.2	89.0	92.5	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV-X**
(Commercial Designation **G450**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 005, ASC 016, ASC 007() (S/N 4201 thru 4239, G450 Modification, MTOW increase, Reduced MLW, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A18946	33,838	26,535	89.5	94.0	76.2	89.0	92.5	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV-X**
(Commercial Designation **G450**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 005, ASC 016, ASC 007(), ASC 064 (S/N 4001 thru 4200, G450 Modification, MTOW increase, Reduced MLW, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15482	33,838	26,535	89.5	94.0	76.2	89.0	92.5	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV-X**
(Commercial Designation **G450**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 005, ASC 016, ASC 064 (S/N 4001 thru 4200, G450 Modification, MTOW increase, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15480	33,838	29,937	89.5	94.0	76.2	89.0	92.3	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GIV-X**
(Commercial Designation **G450**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 005, ASC 064 (S/N 4001 thru 4200, G450 Modification, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15479	33,520	29,937	89.5	94.0	75.8	89.0	92.3	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation** Aircraft Type Designation¹ **GV**

Engine Manufacturer¹ **Rolls Royce Deutschland Ltd & Co. KG** Engine Type Designation¹ **BR700-710A1-10**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A1901	41,050	34,155	89.1	94.6	80.3	89.0	90.8	98.5	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation** Aircraft Type Designation¹ **GV**

Engine Manufacturer¹ **Rolls Royce Deutschland Ltd & Co. KG** Engine Type Designation¹ **BR700-710A1-10**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **ASC 064 (Reduced MLW)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15566	41,050	34,019	89.1	94.6	80.3	89.0	90.9	98.5	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation** Aircraft Type Designation¹ **GV**

Engine Manufacturer¹ **Rolls Royce Deutschland Ltd & Co. KG** Engine Type Designation¹ **BR700-710A1-10**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **ASC 064, ASC 197 (Reduced MLW, Recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15476	41,050	34,019	89.1	94.6	80.3	89.0	90.9	98.5	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation** Aircraft Type Designation¹ **GV**

Engine Manufacturer¹ **Rolls Royce Deutschland Ltd & Co. KG** Engine Type Designation¹ **BR700-710A1-10**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **ASC 064A (Reduced MLW and MTOW)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15567	34,019	34,019	89.7	94.0	75.2	89.0	90.9	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation** Aircraft Type Designation¹ **GV**

Engine Manufacturer¹ **Rolls Royce Deutschland Ltd & Co. KG** Engine Type Designation¹ **BR700-710A1-10**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **ASC 064A, ASC 197 (Reduced MLW and MTOW, Recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15475	34,019	34,019	89.7	94.0	75.2	89.0	90.9	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation** Aircraft Type Designation¹ **GV**

Engine Manufacturer¹ **Rolls Royce Deutschland Ltd & Co. KG** Engine Type Designation¹ **BR700-710A1-10**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 197 (Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15477	41,050	34,155	89.1	94.6	80.3	89.0	90.8	98.5	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation** Aircraft Type Designation¹ **GV-SP**
 (Commercial Designation **G500)**

Engine Manufacturer¹ **Rolls Royce Deutschland Ltd & Co. KG** Engine Type Designation¹ **BR700-710C4-11**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **ASC 010 (G500 Modification)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A5287	38,601	34,155	90.5	94.4	77.6	89.0	90.8	98.3	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GV-SP**
(Commercial Designation **G500**)

Engine Manufacturer¹ **Rolls Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **BR700-710C4-11**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 010, ASC 089 (G500 Modification, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15484	38,601	34,155	90.5	94.4	77.6	89.0	90.8	98.3	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation** Aircraft Type Designation¹ **GV-SP**
 (Commercial Designation **G550)**

Engine Manufacturer¹ **Rolls Royce Deutschland Ltd & Co. KG** Engine Type Designation¹ **BR700-710C4-11**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **ASC 011 (G550 Modification)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A1902	41,277	34,155	90.2	94.6	79.3	89.0	90.8	98.6	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GV-SP**
(Commercial Designation **G550**)

Engine Manufacturer¹ **Rolls Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **BR700-710C4-11**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 011, ASC 089 (G550 Modification, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15485	41,277	34,155	90.2	94.6	79.3	89.0	90.8	98.6	-

¹ See Note 1.



CS-36 Amendment level

ICAO, Annex 16, Volume I Amendment level	7	8	9	10	11-B	12	13
Corresponding CS-36 Amendment level	Initial	1	2	3	4	5	6

TCDSN EASA.IM.A.070 Notes

1. In cases where it is appropriate to issue a noise certificate, items so marked shall be included on EASA Form 45.



Change Record

Issue	Date	Changes
Issue 1	22 March 2007	Initial Issue
Issue 2	30 April 2007	Revised
Issue 3	15 January 2008	Revised
Issue 4	19 November 2008	Revised
Issue 5	21 July 2010	Revised
Issue 6	10 December 2010	Update of the modification field, new records for chapter 4 recertification
Issue 7	23 May 2012	Records A15568-A15570 and A15481-A15483: Modification number revised.
Issue 8	12 June 2013	Records A15570, A15483, A18897, A18898, A15568, A15481, A18903 and A18904 added; Type designation revised from GIV-SP to GIV
Issue 9	08 October 2014	Added new records A18941 through A18947, added reference to a/c S/N to those records already existing for aircraft modified via ASC 004 and ASC 005
Issue 10	28 September 2015	Revised to fix data corruption issues
Issue 11	15 March 2024	Engine manufacturer revised

-END-

