Gulfstream GII, GIII, GIV, GV

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TCDSN No.: EASA.IM.A.070

Issue: 10



TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.IM.A.070

for

Gulfstream GII, GIII, GIV & GV

Type Certificate Holder: Gulfstream Aerospace Corporation

P. O. Box 2206 Savannah, Georgia 31402-2206 **USA**

For models: G1159 (GII)

> G1159A (GIII) G1159B (GIIB)

GIV GIV-X G۷ **GV-SP**



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Type Certificate Holder¹ Gulfstream Aerospace Corporation Aircraft Type Designation¹ G1159

(Commercial Designation GII)

Engine Manufacturer¹ Rolls-Royce Engine Type Designation¹ Spey 511-8

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

certificated noise levels¹

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

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

¹ See Note 1.



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Type Certificate Holder¹ Gulfstream Aerospace Corporation Aircraft Type Designation¹ G1159

(Commercial Designation GII)

Engine Manufacturer¹ Rolls-Royce Engine Type Designation¹ Spey 511-8

Additional modifications essential to meet the requirements or needed to attain the ASC 200 (Chapter 2 hushkit, wing tip tanks)

certificated noise levels¹

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

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

¹ See Note 1.



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Type Certificate Holder¹ **Gulfstream Aerospace Corporation** Aircraft Type Designation¹ G1159A

> (Commercial Designation GIII)

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Engine Manufacturer¹ Engine Type Designation¹ **Rolls-Royce** Spey 511-8

Additional modifications essential to meet the requirements or needed to attain the None

certificated noise levels¹

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

EASA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
Record No.	Take-off¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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.



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Type Certificate Holder¹ **Gulfstream Aerospace Corporation** Aircraft Type Designation¹ G1159B

> (Commercial Designation GIIB)

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Engine Manufacturer¹ Engine Type Designation¹ **Rolls-Royce** Spey 511-8

Additional modifications essential to meet the requirements or needed to attain the None

certificated noise levels¹

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

EASA	IVIAAIIII IVIASS		Latera	Lateral EPNL		Flyover EPNL		Approach EPNL	
Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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.



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

Engine Manufacturer¹ **Rolls-Royce** 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

	EASA Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Ç	
Rec	cord No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
А	\8485	33,203	26,535	87.7	94.0	78.6	89.0	91.0	98.0	-

¹ See Note 1.



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Type Certificate Holder¹ Gulfstream Aerospace Corporation Aircraft Type Designation¹ GIV

Engine Manufacturer¹ Rolls-Royce 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 $\,$

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Restriction) GIV, Recertification Chapter 4)

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

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

¹ See Note 1.



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

Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ Tay 611-8

Additional modifications essential to meet the requirements or needed to attain the ASC 261 (49,000 lb. Zero Fuel Gross Weight Increase G-IV)

certificated noise levels1

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

_	EASA	WidAiiii Wid55		Lateral EPNL		Flyover EPNL		Approach EPNL		Ç
R	ecord No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
	A8486	33,203	26,535	87.7	94.0	78.6	89.0	91.0	98.0	-

¹ See Note 1.



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Type Certificate Holder¹ Gulfstream Aerospace Corporation Aircraft Type Designation¹ GIV

Engine Manufacturer¹ Rolls-Royce Engine Type Designation¹ Tay 611-8

Additional modifications essential to meet the requirements or needed to attain the ASC 261, ASC 487 (49,000 lb. Zero Fuel Gross Weight Increase G-IV,

certificated noise levels¹ Recertification Chapter 4)

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

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

¹ See Note 1.



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Type Certificate Holder¹ Gulfstream Aerospace Corporation Aircraft Type Designation¹ GIV

Engine Manufacturer¹ Rolls-Royce Engine Type Designation¹ Tay 611-8

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

certificated noise levels1

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

EASA	TVIGATITICATITICASS		Latera	Lateral EPNL		Flyover EPNL		Approach EPNL	
Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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.



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

> (Commercial Designation G300)

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Engine Manufacturer¹ Engine Type Designation¹ **Rolls-Royce** Tay 611-8

Additional modifications essential to meet the requirements or needed to attain the ASC 436 (G300 Modification)

certificated noise levels¹

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

EASA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Coo
Record No.	Take-off¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A8484	32,658	29,937	87.7	94.0	78.2	89.0	93.3	98.0	-

¹ See Note 1.



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

> (Commercial Designation G300)

Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ Tay 611-8

Additional modifications essential to meet the requirements or needed to attain the ASC 436, ASC 487 (G300 Modification, Recertification Chapter 4)

certificated noise levels1

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

EASA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A15472	32,658	29,937	87.7	94.0	78.2	89.0	93.3	98.0	-

¹ See Note 1.



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

> (Commercial Designation G400)

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Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ Tay 611-8

Additional modifications essential to meet the requirements or needed to attain the ASC 440 (G400 Modification)

certificated noise levels1

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

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

¹ See Note 1.



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Type Certificate Holder¹ Gulfstream Aerospace Corporation Aircraft Type Designation¹ GIV

(Commercial Designation G400)

Engine Manufacturer¹ Rolls-Royce Engine Type Designation¹ Tay 611-8

Additional modifications essential to meet the requirements or needed to attain the ASC 440, ASC 487 (G400 Modification, Recertification Chapter 4)

certificated noise levels1

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

EASA	WidAilliaill Wid55		Latera	Lateral EPNL		r EPNL	Approach EPNL		Soo
Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A15473	33,838	29,937	87.6	94.0	79.0	89.0	93.3	98.0	-

¹ See Note 1.



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Type Certificate Holder¹ Gulfstream Aerospace Corporation Aircraft Type Designation¹ GIV

Engine Manufacturer¹ Rolls-Royce Engine Type Designation¹ Tay 611-8

Additional modifications essential to meet the requirements or needed to attain the ASC 190 (Increased Ramp, Landing and Zero Fuel Gross Weight G-IV)

certificated noise levels¹

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

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

¹ See Note 1.



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Type Certificate Holder¹ Gulfstream Aerospace Corporation Aircraft Type Designation¹ GIV

Engine Manufacturer¹ Rolls-Royce 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

EAS		Maximu	ım Mass	Lateral EPNL		Flyove	r EPNL	Approach EPNL		Soc
Record	d No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A154	471	33,838	29,937	87.6	94.0	79.0	89.0	93.3	98.0	-

¹ See Note 1.



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Type Certificate Holder¹ Gulfstream Aerospace Corporation Aircraft Type Designation¹ GIV

Engine Manufacturer¹ Rolls-Royce Engine Type Designation¹ Tay 611-8

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

certificated noise levels¹

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

EASA	Waxiii Wass		Latera	I EPNL	Flyove	r EPNL	Approach EPNL		Soc
Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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.



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

> (Commercial Designation G450)

Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ Tay 611-8C

Additional modifications essential to meet the requirements or needed to attain the ASC 005, ASC 007() (S/N 4001 & 4200, G450 Modification, Reduced

certificated noise levels1 MLW)

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

EASA	ividxiiiidiii ivid55		Latera	Lateral EPNL		Flyover EPNL		Approach EPNL	
Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A15568	33,520	26,535	89.5	94.0	75.8	89.0	92.5	98.0	-

¹ See Note 1.



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Type Certificate Holder¹ Gulfstream Aerospace Corporation Aircraft Type Designation¹ GIV-X

(Commercial Designation G350)

Engine Manufacturer¹ Rolls-Royce Engine Type Designation¹ Tay 611-8C

Additional modifications essential to meet the requirements or needed to attain the ASC 004 (S/N 4001 thru 4200, G350 Modification)

certificated noise levels¹

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

EASA	ividxiiiidiii ivid33		Latera	Lateral EPNL		Flyover EPNL		Approach EPNL	
Record No.	Take-off¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A4919	32,159	29,937	89.7	94.0	74.1	89.0	92.3	98.0	-

¹ See Note 1.



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

> (Commercial Designation G350)

Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ Tay 611-8C

Additional modifications essential to meet the requirements or needed to attain the ASC 004, ASC 064 (S/N 4001 thru 4200, G350 Modification,

certificated noise levels1 **Recertification Chapter 4)**

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

EASA	ividxiiiidiii ivid33		Latera	Lateral EPNL		r EPNL	Approach EPNL		See
Record No.	Take-off¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	Note
A15478	32,159	29,937	89.7	94.0	74.1	89.0	92.3	98.0	-

¹ See Note 1.



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

> (Commercial Designation G350)

Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ Tay 611-8C

Additional modifications essential to meet the requirements or needed to attain the ASC 004, ASC 007() (S/N 4001 thru 4200, G350 Modification,

certificated noise levels1 Reduced MLW)

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

EASA	iviaximam iviass		Latera	Lateral EPNL		Flyover EPNL		Approach EPNL	
Record No.	Take-off¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A15570	32,159	26,535	89.7	94.0	74.1	89.0	92.5	98.0	-

¹ See Note 1.



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Type Certificate Holder¹ Gulfstream Aerospace Corporation Aircraft Type Designation¹ GIV-X

(Commercial Designation G350)

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Date: 28 September 2015

Engine Manufacturer¹ Rolls-Royce Engine Type Designation¹ Tay 611-8C

Additional modifications essential to meet the requirements or needed to attain the ASC 004, ASC 007(), ASC 064 (S/N 4001 thru 4200, G350

certificated noise levels¹ Modification, Reduced MLW, Recertification Chapter 4)

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

EASA	IVIUAIIII IVIUSS		Latera	Lateral EPNL		r EPNL	Approach EPNL		See
Record No.	Take-off¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	Note
A15483	32,159	26,535	89.7	94.0	74.1	89.0	92.5	98.0	-

¹ See Note 1.



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

> (Commercial Designation G450)

Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ Tay 611-8C

Additional modifications essential to meet the requirements or needed to attain the ASC 005 (S/N 4001 thru 4200, G450 Modification)

certificated noise levels1

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

EASA	Maximum Mass		Latera	l EPNL	Flyove	er EPNL	Approach EPNL		See
Record No.	Take-off¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	Note
A4918	33,520	29,937	89.5	94.0	75.8	89.0	92.3	98.0	-

¹ See Note 1.



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

(Commercial Designation G450)

Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ Tay 611-8C

Additional modifications essential to meet the requirements or needed to attain the ASC 005, ASC 016 (S/N 4001 thru 4200, G450 Modification, MTOW certificated noise levels1

increase)

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

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

¹ See Note 1.



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

> (Commercial Designation G450)

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Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ Tay 611-8C

Additional modifications essential to meet the requirements or needed to attain the ASC 005, ASC 016, ASC 064 (S/N 4001 thru 4200, G450 certificated noise levels1 Modification, MTOW increase, Recertification Chapter 4)

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

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

¹ See Note 1.



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Type Certificate Holder¹ Gulfstream Aerospace Corporation Aircraft Type Designation¹ GIV-X

(Commercial Designation G450)

Engine Manufacturer¹ Rolls-Royce Engine Type Designation¹ Tay 611-8C

Additional modifications essential to meet the requirements or needed to attain the ASC 005, ASC 016, ASC 007() (S/N 4001 thru 4200, G450

certificated noise levels¹ Modification, MTOW increase, Reduced MLW)

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

EASA	Maximu	ım Mass	Latera	l EPNL	Flyove	er EPNL	Approa	ch EPNL	Soo
Record No.	Take-off¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A15569	33,838	26,535	89.5	94.0	76.2	89.0	92.5	98.0	-

¹ See Note 1.



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Type Certificate Holder¹ Gulfstream Aerospace Corporation Aircraft Type Designation¹ GIV-X

(Commercial Designation G450)

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Date: 28 September 2015

Engine Manufacturer¹ Rolls-Royce Engine Type Designation¹ Tay 611-8C

Additional modifications essential to meet the requirements or needed to attain the ASC 005, ASC 016, ASC 007(), ASC 064 (S/N 4001 thru 4200, G450

certificated noise levels¹ 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	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	Soo
Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A15482	33,838	26,535	89.5	94.0	76.2	89.0	92.5	98.0	-

¹ See Note 1.



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

(Commercial Designation G450)

Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ Tay 611-8C

Additional modifications essential to meet the requirements or needed to attain the ASC 005, ASC 064 (S/N 4001 thru 4200, G450 Modification,

certificated noise levels1 **Recertification Chapter 4)**

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

EASA	Maximu	ım Mass	Latera	l EPNL	Flyove	r EPNL	Approa	ch EPNL	See
Record No.	Take-off¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	Note
A15479	33,520	29,937	89.5	94.0	75.8	89.0	92.3	98.0	-

¹ See Note 1.



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

> (Commercial Designation G450)

Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ Tay 611-8C

Additional modifications essential to meet the requirements or needed to attain the ASC 005, ASC 007(), ASC 064 (S/N 4001 thru 4200, G450 certificated noise levels1 Modification, Reduced MLW, Recertification Chapter 4)

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

EASA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	Coo
Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A15481	33,520	26,535	89.5	94.0	75.8	89.0	92.5	98.0	-

¹ See Note 1.



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Type Certificate Holder¹ Gulfstream Aerospace Corporation Aircraft Type Designation¹ GIV-X

(Commercial Designation G350)

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Date: 28 September 2015

Engine Manufacturer¹ Rolls-Royce Engine Type Designation¹ Tay 611-8C

Additional modifications essential to meet the requirements or needed to attain the ASC 004 (S/N 4201 & Subs, G350 Modification, Recertification

certificated noise levels¹ Chapter 4)

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

EASA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	See
Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	Note
A18941	32,159	29,937	89.7	94.0	74.1	89.0	92.3	98.0	-

¹ See Note 1.



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

> (Commercial Designation G350)

Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ Tay 611-8C

Additional modifications essential to meet the requirements or needed to attain the ASC 004, ASC 007() (S/N 4201 & Subs, G350 Modification, Reduced

certificated noise levels1 MLW, Recertification Chapter 4)

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

EASA	Maximu	ım Mass	Latera	l EPNL	Flyove	er EPNL	Approa	ch EPNL	See
Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	Note
A18942	32,159	26,535	89.7	94.0	74.1	89.0	92.5	98.0	-

¹ See Note 1.



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Type Certificate Holder¹ Gulfstream Aerospace Corporation Aircraft Type Designation¹ GIV-X

(Commercial Designation G450)

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Date: 28 September 2015

Engine Manufacturer¹ Rolls-Royce Engine Type Designation¹ Tay 611-8C

Additional modifications essential to meet the requirements or needed to attain the ASC 005, ASC 016 (S/N 4201 thru 4239, G450 Modification, MTOW

certificated noise levels¹ increase, Recertification Chapter 4)

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

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

¹ See Note 1.



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Type Certificate Holder¹ Gulfstream Aerospace Corporation Aircraft Type Designation¹ GIV-X

(Commercial Designation G450)

Engine Manufacturer¹ Rolls-Royce Engine Type Designation¹ Tay 611-8C

Additional modifications essential to meet the requirements or needed to attain the ASC 005, ASC 016, ASC 007() (S/N 4201 thru 4239, G450

certificated noise levels¹ 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	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	200
Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A18946	33,838	26,535	89.5	94.0	76.2	89.0	92.5	98.0	-

¹ See Note 1.



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

> (Commercial Designation G450)

Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ Tay 611-8C

Additional modifications essential to meet the requirements or needed to attain the ASC 005 (S/N 4201 thru 4239, G450 Modification, Recertification

certificated noise levels1 Chapter 4)

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

EASA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	See
Record No.	Take-off¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	Note
A18944	33,520	29,937	89.5	94.0	75.8	89.0	92.3	98.0	-

¹ See Note 1.



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

> (Commercial Designation G450)

Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ Tay 611-8C

Additional modifications essential to meet the requirements or needed to attain the ASC 005, ASC 007() (S/N 4240 & Subs, G450 Modification, MTOW

certificated noise levels1 increase, Reduced MLW, Recertification Chapter 4)

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

EASA	Maximu	ım Mass	Latera	l EPNL	Flyove	r EPNL	Approa	ch EPNL	Ç00
Record No.	Take-off¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A18947	33,838	26,535	89.5	94.0	76.2	89.0	92.5	98.0	-

¹ See Note 1.



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Type Certificate Holder¹ Gulfstream Aerospace Corporation Aircraft Type Designation¹ GIV-X

(Commercial Designation G450)

Engine Manufacturer¹ Rolls-Royce Engine Type Designation¹ Tay 611-8C

Additional modifications essential to meet the requirements or needed to attain the ASC 005 (S/N 4240 & Subs, G450 Modification, Recertification

certificated noise levels¹ Chapter 4)

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

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

¹ See Note 1.



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Type Certificate Holder¹ Gulfstream Aerospace Corporation Aircraft Type Designation¹ GV

Engine Manufacturer¹ BMW Rolls-Royce Engine Type Designation¹ BR700-710A1-10

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

certificated noise levels1

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

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

¹ See Note 1.



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Type Certificate Holder¹ Gulfstream Aerospace Corporation Aircraft Type Designation¹ GV

Engine Manufacturer¹ BMW Rolls-Royce Engine Type Designation¹ BR700-710A1-10

Additional modifications essential to meet the requirements or needed to attain the ASC 197 (Recertification Chapter 4)

certificated noise levels1

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

	\SA	Maximu	ım Mass	Lateral EPNL		Flyove	Flyover EPNL		Approach EPNL	
Recor	rd No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A15	5477	41,050	34,155	89.1	94.6	80.3	89.0	90.8	98.5	-

¹ See Note 1.



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Type Certificate Holder¹ Gulfstream Aerospace Corporation Aircraft Type Designation¹ GV

Engine Manufacturer¹ BMW Rolls-Royce Engine Type Designation¹ BR700-710A1-10

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

certificated noise levels1

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

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

¹ See Note 1.



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Type Certificate Holder¹ **Gulfstream Aerospace Corporation** Aircraft Type Designation¹ G۷

Engine Manufacturer¹ **BMW Rolls-Royce** Engine Type Designation¹ BR700-710A1-10

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

certificated noise levels1

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

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

¹ See Note 1.



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Type Certificate Holder¹ Gulfstream Aerospace Corporation Aircraft Type Designation¹ GV

Engine Manufacturer¹ BMW Rolls-Royce Engine Type Designation¹ BR700-710A1-10

Additional modifications essential to meet the requirements or needed to attain the ASC 0

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

¹ See Note 1.



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Type Certificate Holder¹ Gulfstream Aerospace Corporation Aircraft Type Designation¹ GV

Engine Manufacturer¹ BMW Rolls-Royce Engine Type Designation¹ BR700-710A1-10

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

certificated noise levels1

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

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

¹ See Note 1.



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

> (Commercial Designation G500)

Engine Manufacturer¹ **BMW Rolls-Royce** Engine Type Designation¹ BR700-710C4-11

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

certificated noise levels¹

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

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

¹ See Note 1.



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

> (Commercial Designation G500)

Engine Manufacturer¹ **BMW Rolls-Royce** Engine Type Designation¹ BR700-710C4-11

Additional modifications essential to meet the requirements or needed to attain the ASC 010, ASC 089 (G500 Modification, Recertification Chapter 4)

certificated noise levels¹

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

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

¹ See Note 1.



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Type Certificate Holder¹ Gulfstream Aerospace Corporation Aircraft Type Designation¹ GV-SP

(Commercial Designation G550)

Engine Manufacturer¹ BMW Rolls-Royce Engine Type Designation¹ BR700-710C4-11

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

certificated noise levels¹

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

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

¹ See Note 1.



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

> (Commercial Designation G550)

Engine Manufacturer¹ **BMW Rolls-Royce** Engine Type Designation¹ BR700-710C4-11

Additional modifications essential to meet the requirements or needed to attain the ASC 011, ASC 089 (G550 Modification, Recertification Chapter 4)

certificated noise levels¹

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

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

¹ See Note 1.



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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.



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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