Gulfstream GVI



TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.IM.A.169

for

Gulfstream GVI

Type Certificate Holder: Gulfstream Aerospace Corporation 500 Gulfstream Road Savannah, GA, 31408 USA

For models: GVI GVIII-G700 GVIII-G800



INTENTIONALLY LEFT BLANK



TE.CERT.00051-001 © European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

An Agency of the European Union

TCDSN No.: EASA.IM.A.169 Issue: 6						Page 3 of 23 Date: 16 April 2025
Type Certificate Holder ¹	Gulfstream Aerospace Co	prporation	Aircraft Type Desi (Commercial Desi	-	GVI G650)	
Engine TC Holder	Rolls-Royce Deutschland	Ltd & Co. KG	Engine Type Desig	gnation ¹	BR700-725A1-12	2
Additional modifications essence certificated noise levels ¹	ntial to meet the requireme	ents or needed to attain the	None			
Noise Certification Basis	ICAO Annex 16, Volume	Edition / Amendment	Edition 4 / Amendment 8	Chapter	¹ 4	
	Maximum Mass	Lateral EPNL	Flyover EPNL	Арр	roach EPNL	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	500
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A18835	45,177	37,874	89.8	95.0	77.5	89.0	88.3	98.9	-



TCDSN No.: EASA.IM.A.169 Issue: 6			Page 4 of 23 Date: 16 April 2025
Type Certificate Holder ¹	Gulfstream Aerospace Corporation	Aircraft Type Designation ¹ (Commercial Designation	GVI G650ER)
Engine TC Holder	Rolls-Royce Deutschland Ltd & Co. KG	Engine Type Designation ¹	BR700-725A1-12
Additional modifications esse certificated noise levels ¹	ntial to meet the requirements or needed to attain the	ASC 014 (MTOW increase)	
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 6 / Amendment 10 Chapte	r ¹ 4

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	<u>Coo</u>
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19110	46,992	37,874	89.6	95.1	78.7	89.0	88.3	99.0	-



Noise Certification Basis

Type Certificate Holder¹ Gulfstream Aerospace Corporation

Engine TC Holder Rolls-Royce Deutschland Ltd & Co. KG

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

ICAO Annex 16, Volume I

Edition 7 / Amendment 11-B

Chapter¹ 4

GVI

G650ER)

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19136	33,974	33,974	90.7	94.0	71.7	89.0	88.3	98.0	-

Edition / Amendment

¹ See Note 1.

An Agency of the European Union

TE.CERT.00051-001 © European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

Engine Type Designation¹

Aircraft Type Designation¹

(Commercial Designation

BR700-725A1-12

ASC 014, ASC 026 (MTOW increase, weight variant)

Noise Certification Basis

Type Certificate Holder¹ Gulfstream Aerospace Corporation

Engine TC Holder Rolls-Royce Deutschland Ltd & Co. KG

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

ICAO Annex 16, Volume I

Edition 7 / Amendment 11-B

Aircraft Type Designation¹

(Commercial Designation

Engine Type Designation¹

ASC 014, ASC 027 (MTOW increase, weight variant)

Chapter¹ 4

GVI

G650ER)

BR700-725A1-12

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		600
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19137	40,823	37,874	90.1	94.6	75.4	89.0	88.3	98.5	-

Edition / Amendment

¹ See Note 1.



Noise Certification Basis

Type Certificate Holder¹ Gulfstream Aerospace Corporation

Engine TC Holder Rolls-Royce Deutschland Ltd & Co. KG

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

ICAO Annex 16, Volume I

Edition 7 / Amendment 11-B

Aircraft Type Designation¹

(Commercial Designation

Engine Type Designation¹

ASC 014, ASC 028 (MTOW increase, weight variant)

Chapter¹ 4

GVI

G650ER)

BR700-725A1-12

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		600
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19138	43,091	37,874	89.9	94.8	76.5	89.0	88.3	98.7	-

Edition / Amendment

¹ See Note 1.



Noise Certification Basis

Type Certificate Holder¹ Gulfstream Aerospace Corporation

Engine TC Holder Rolls-Royce Deutschland Ltd & Co. KG

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

ICAO Annex 16, Volume I

Edition 7 / Amendment 11-B

Chapter¹ 4

GVI

G650ER)

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		(a c
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19139	45,177	37,874	89.8	95.0	77.5	89.0	88.3	98.9	-

Edition / Amendment

¹ See Note 1.

An Agency of the European Union

TE.CERT.00051-001 © European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

Engine Type Designation¹

Aircraft Type Designation¹

(Commercial Designation

BR700-725A1-12

ASC 014, ASC 029 (MTOW increase, weight variant)

Noise Certification Basis

Type Certificate Holder¹ Gulfstream Aerospace Corporation

Engine TC Holder Rolls-Royce Deutschland Ltd & Co. KG

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

ICAO Annex 16, Volume I

Edition 7 / Amendment 11-B

Aircraft Type Designation¹

(Commercial Designation

Engine Type Designation¹

ASC 014, ASC 082 (MTOW increase, weight variant)

Chapter¹ 4

GVI

G650ER)

BR700-725A1-12

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19140	45,500	37,874	89.7	95.0	77.9	89.0	88.3	98.9	-

Edition / Amendment

¹ See Note 1.



TCDSN No.: EASA.IM.A.169 Issue: 6			Page 10 of 23 Date: 16 April 2025
Type Certificate Holder ¹	Gulfstream Aerospace Corporation	Aircraft Type Designation ¹ (Commercial Designation	GVI G650ER)
Engine TC Holder	Rolls-Royce Deutschland Ltd & Co. KG	Engine Type Designation ¹	BR700-725A1-12
Additional modifications esse certificated noise levels ¹	ential to meet the requirements or needed to attain the	ASC 014, ASC 137 (MTOW increase,	MLW reduction)
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 8 / Amendment 13 Chapt	er ¹ 4

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19728	46,992	29,483	89.6	95.1	78.7	89.0	88.4	99.0	-



TE.CERT.00051-001 © European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

TCDSN No.: EASA.IM.A.169 Issue: 6			Page 11 of 23 Date: 16 April 2025
Type Certificate Holder ¹	Gulfstream Aerospace Corporation	Aircraft Type Designation ¹ (Commercial Designation	GVI G650)
Engine TC Holder	Rolls-Royce Deutschland Ltd & Co. KG	Engine Type Designation ¹	BR700-725A1-12
Additional modifications esser certificated noise levels ¹	ntial to meet the requirements or needed to attain the	ASC 137 (MLW reduction)	
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 8 / Amendment 13 Chapter	4

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19727	45,177	29,483	89.8	95.0	77.5	89.0	88.4	98.9	-



TCDSN No.: EASA.IM.A.169 Issue: 6						Page 12 of 23 Date: 16 April 2025
Type Certificate Holder ¹	Gulfstream Aerospace C	orporation	Aircraft Type Desi (Commercial Desi	GVIII-G700 G700)		
Engine TC Holder	Rolls-Royce Deutschland	Ltd & Co. KG	Engine Type Desig	gnation ¹	BR700-730B2-1	4
Additional modifications certificated noise levels ¹	essential to meet the requireme	ents or needed to attain the	None			
Noise Certification Basis	ICAO Annex 16, Volume	I Edition / Amendment	Edition 8 / Amendment 13	Chapter	¹ 14	
	Maximum Mass	Lateral EPNL	Flyover EPNL	App	roach EPNL	

	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19734	48,806	37,874	88.3	95.2	75.6	89.1	88.1	99.1	-



TCDSN No.: EASA.IM.A.169 Issue: 6					,	ge 13 of 23 April 2025
Type Certificate Holder ¹	Gulfstream Aerospace Cor	poration	Aircraft Type Designation (Commercial Designation)		GVIII-G700 G700)	
Engine TC Holder	Rolls-Royce Deutschland Lt	d & Co. KG	Engine Type Designa	ition1	BR700-730B2-14	
Additional modifications esse certificated noise levels ¹	ntial to meet the requirement	s or needed to attain the	ASC 005 (MTOW and MLW	decrease)		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 13	Chapter ¹	14	

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19738	33,974	33,974	90.3	94.0	69.4	89.0	88.1	98.0	-



TCDSN No.: EASA.IM.A.169 Issue: 6			Page 14 of 23 Date: 16 April 2025
Type Certificate Holder ¹	Gulfstream Aerospace Corporation	Aircraft Type Designation ¹ (Commercial Designation	GVIII-G700 G700)
Engine TC Holder	Rolls-Royce Deutschland Ltd & Co. KG	Engine Type Designation ¹	BR700-730B2-14
Additional modifications esse certificated noise levels ¹	ntial to meet the requirements or needed to attain the	ASC 009 (MTOW decrease)	
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 8 / Amendment 13 Chapter	¹ 14

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		<u>Coo</u>
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19737	40,823	37,874	89.5	94.6	72.1	89.0	88.1	98.5	-



TCDSN No.: EASA.IM.A.169 Issue: 6			Page 15 of 23 Date: 16 April 2025
Type Certificate Holder ¹	Gulfstream Aerospace Corporation	Aircraft Type Designation ¹ (Commercial Designation	GVIII-G700 G700)
Engine TC Holder	Rolls-Royce Deutschland Ltd & Co. KG	Engine Type Designation ¹	BR700-730B2-14
Additional modifications esse certificated noise levels ¹	ntial to meet the requirements or needed to attain the	ASC 011 (MTOW decrease)	
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 8 / Amendment 13 Chapter	¹ 14

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		6.00
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19736	43,091	37,874	89.2	94.8	73.1	89.0	88.1	98.7	-



TCDSN No.: EASA.IM.A.169 Issue: 6						Page 16 of 23 Date: 16 April 2025
Type Certificate Holder ¹	Gulfstream Aerospace Corp	oration	Aircraft Type Designation (Commercial Designation)	GVIII-G700 G700)		
Engine TC Holder	Rolls-Royce Deutschland Lt	d & Co. KG	Engine Type Designa	tion ¹	BR700-730B2-14	
Additional modifications esse certificated noise levels ¹	ntial to meet the requirement	s or needed to attain the	ASC 017 (MTOW decrease)			
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 13	Chapter ¹	14	

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		<u>Coo</u>
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19735	45,177	37,874	88.9	94.9	73.9	89.0	88.1	98.9	-



TCDSN No.: EASA.IM.A.169 Issue: 6						Page 17 of 23 Date: 16 April 2025
Type Certificate Holder ¹	Gulfstream Aerospace Corp	Gulfstream Aerospace Corporation		gnation ¹ gnation	GVIII-G800 G800)	
Engine TC Holder	Rolls-Royce Deutschland Lt	d & Co. KG	Engine Type Desig	nation ¹	BR700-730B2-14	L .
Additional modifications es certificated noise levels ¹	sential to meet the requirement	s or needed to attain the	None			
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 13	Chapter	¹ 14	
	Maximum Mass	Lateral EPNL	Flyover EPNL	App	roach EPNL	

	Iviaximu	im Mass	Latera	TEPNL	Flyove	I EPNL	Approa	CH EPNL	600
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19799	47,899	37,874	88.4	95.2	75.2	89.0	88.2	99.1	-



TCDSN No.: EASA.IM.A.169 Issue: 6					I	Page 18 of 23 Date: 16 April 2025
Type Certificate Holder ¹	Gulfstream Aerospace Corp	poration	Aircraft Type Design (Commercial Design		GVIII-G800 G800)	
Engine TC Holder	Rolls-Royce Deutschland Lt	d & Co. KG	Engine Type Designa	ation ¹	BR700-730B2-14	
Additional modifications esse certificated noise levels ¹	ntial to meet the requirement	s or needed to attain the	ASC 005 (MTOW and MLW	decrease)		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 13	Chapter ¹	14	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	See.
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19803	33,974	33,974	90.3	94.0	69.3	89.0	88.3	98.0	-



TCDSN No.: EASA.IM.A.169 Issue: 6			Page 19 of 23 Date: 16 April 2025
Type Certificate Holder ¹	Gulfstream Aerospace Corporation	Aircraft Type Designation ¹ (Commercial Designation	GVIII-G800 G800)
Engine TC Holder	Rolls-Royce Deutschland Ltd & Co. KG	Engine Type Designation ¹	BR700-730B2-14
Additional modifications esse certificated noise levels ¹	ntial to meet the requirements or needed to attain the	ASC 009 (MTOW decrease)	
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 8 / Amendment 13 Chapter	¹ 14

FACA	Maximu	um Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	<u>Coo</u>
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19802	40,823	37,874	89.4	94.6	72.1	89.0	88.2	98.5	-



TCDSN No.: EASA.IM.A.169 Issue: 6			Page 20 of 23 Date: 16 April 2025
Type Certificate Holder ¹	Gulfstream Aerospace Corporation	Aircraft Type Designation ¹ (Commercial Designation	GVIII-G800 G800)
Engine TC Holder	Rolls-Royce Deutschland Ltd & Co. KG	Engine Type Designation ¹	BR700-730B2-14
Additional modifications esse certificated noise levels ¹	ntial to meet the requirements or needed to attain the	ASC 011 (MTOW decrease)	
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 8 / Amendment 13 Chapter	¹ 14

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	<u>Coo</u>
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19801	43,091	37,874	89.1	94.8	73.0	89.0	88.2	98.7	-



TCDSN No.: EASA.IM.A.169 Issue: 6						Page 21 of 23 Date: 16 April 2025
Type Certificate Holder ¹	Gulfstream Aerospace Corp	oration	Aircraft Type Designation (Commercial Designation)		GVIII-G800 G800)	
Engine TC Holder Rolls-Royce Deutschland Ltd & Co. KG			Engine Type Designa			
Additional modifications esse certificated noise levels ¹	ntial to meet the requirement	s or needed to attain the	ASC 017 (MTOW decrease)			
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 13	Chapter ¹	14	

EASA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	See.	
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19800	45,177	37,874	88.8	94.9	73.9	89.0	88.2	98.9	-



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

<u>Note</u>: This table is for information purposes only. It links the applicable noise requirements in Volume I of ICAO Annex 16 to the corresponding Appendices to that Volume, which were listed as acceptable means of compliance in CS-36. With the adoption of Regulation (EU) 2018/1139 (i.e. from Amendment 12 to Volume I of ICAO Annex 16) these Appendices became part of the applicable noise requirements. Their reference was removed in Amendment 6 to CS-36 and this table will not be updated further.

TCDSN EASA.IM.A.169 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
lssue 1	21 December 2012	Initial Issue
Issue 2	18 May 2016	Record A19110 added.
Issue 3	30 July 2020	Records A19136-A19140 added.
Issue 4	24 October 2023	Records A19727 and A19728 added; record A19138 Flyover noise levels
		revised; records A19137-A19149 edition and amendment of ICAO Annex
		16 revised.
Issue 5	01 March 2024	GVIII-G700 records added.
		Corrected Engine Manufacturer to Rolls Royce Deutschland Ltd & Co. KG
		throughout.
lssue 6	16 April 2025	GVIII-G800 records added.

