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## 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 (G-II)

G1159A (G-III)

G1159B (G-IIB)

GIV

GIV-X

GV

GV-SP



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Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **G1159**  
(Commercial Designation **GII**)

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

Engine Type Designation<sup>1</sup> **Spey 511-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**ASC 175 (Chapter 2 hushkit)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter<sup>1</sup> **2**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **G1159**  
(Commercial Designation **GII**)

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

Engine Type Designation<sup>1</sup> **Spey 511-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**ASC 200 (Chapter 2 hushkit, wing tip tanks)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter<sup>1</sup> **2**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Gulfstream Aerospace Corporation**      Aircraft Type Designation<sup>1</sup>      **G1159A**  
 (Commercial Designation      **GIII**)

Engine TC Holder      **Rolls-Royce Deutschland Ltd & Co. KG**      Engine Type Designation<sup>1</sup>      **Spey 511-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **2**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Gulfstream Aerospace Corporation**      Aircraft Type Designation<sup>1</sup>      **G1159B**  
 (Commercial Designation      **GIIB**)

Engine TC Holder      **Rolls-Royce Deutschland Ltd & Co. KG**      Engine Type Designation<sup>1</sup>      **Spey 511-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **2**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Gulfstream Aerospace Corporation**      Aircraft Type Designation<sup>1</sup>      **GIV**

Engine TC Holder      **Rolls-Royce Deutschland Ltd & Co. KG**      Engine Type Designation<sup>1</sup>      **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **3**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV**

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

Engine Type Designation<sup>1</sup> **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**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

Chapter<sup>1</sup> **3**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV**

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

Engine Type Designation<sup>1</sup> **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**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

Chapter<sup>1</sup> **4**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV**

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

Engine Type Designation<sup>1</sup> **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

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

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

Chapter<sup>1</sup> **3**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV**

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

Engine Type Designation<sup>1</sup> **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**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

Chapter<sup>1</sup> **4**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV**

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

Engine Type Designation<sup>1</sup> **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

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

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

Chapter<sup>1</sup> **3**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV**

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

Engine Type Designation<sup>1</sup> **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**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

Chapter<sup>1</sup> **4**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV**  
(Commercial Designation **G300**)

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

Engine Type Designation<sup>1</sup> **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**ASC 436 (G300 Modification)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter<sup>1</sup> **3**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV**  
(Commercial Designation **G300**)

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

Engine Type Designation<sup>1</sup> **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter<sup>1</sup> **4**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV**  
(Commercial Designation **G400**)

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

Engine Type Designation<sup>1</sup> **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**ASC 440 (G400 Modification)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter<sup>1</sup> **3**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV**  
(Commercial Designation **G400**)

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

Engine Type Designation<sup>1</sup> **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter<sup>1</sup> **4**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV**

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

Engine Type Designation<sup>1</sup> **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**ASC 487 (Recertification Chapter 4)**

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

Chapter<sup>1</sup> **4**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV-X**  
(Commercial Designation **G350**)

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

Engine Type Designation<sup>1</sup> **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter<sup>1</sup> **3**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV-X**  
(Commercial Designation **G350**)

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

Engine Type Designation<sup>1</sup> **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**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** Chapter<sup>1</sup> **4**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV-X**  
(Commercial Designation **G350**)

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

Engine Type Designation<sup>1</sup> **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**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** Chapter<sup>1</sup> **3**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV-X**  
(Commercial Designation **G350**)

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

Engine Type Designation<sup>1</sup> **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**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** Chapter<sup>1</sup> **4**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV-X**  
(Commercial Designation **G350**)

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

Engine Type Designation<sup>1</sup> **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**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** Chapter<sup>1</sup> **4**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV-X**  
(Commercial Designation **G350**)

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

Engine Type Designation<sup>1</sup> **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**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** Chapter<sup>1</sup> **4**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV-X**  
(Commercial Designation **G450**)

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

Engine Type Designation<sup>1</sup> **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter<sup>1</sup> **3**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV-X**  
(Commercial Designation **G450**)

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

Engine Type Designation<sup>1</sup> **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**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** Chapter<sup>1</sup> **4**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV-X**  
(Commercial Designation **G450**)

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

Engine Type Designation<sup>1</sup> **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**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** Chapter<sup>1</sup> **4**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV-X**  
(Commercial Designation **G450**)

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

Engine Type Designation<sup>1</sup> **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**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** Chapter<sup>1</sup> **3**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV-X**  
(Commercial Designation **G450**)

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

Engine Type Designation<sup>1</sup> **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**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** Chapter<sup>1</sup> **4**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV-X**  
(Commercial Designation **G450**)

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

Engine Type Designation<sup>1</sup> **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**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** Chapter<sup>1</sup> **4**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV-X**  
(Commercial Designation **G450**)

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

Engine Type Designation<sup>1</sup> **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**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** Chapter<sup>1</sup> **3**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV-X**  
(Commercial Designation **G450**)

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

Engine Type Designation<sup>1</sup> **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**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** Chapter<sup>1</sup> **4**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV-X**  
(Commercial Designation **G450**)

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

Engine Type Designation<sup>1</sup> **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**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** Chapter<sup>1</sup> **3**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV-X**  
(Commercial Designation **G450**)

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

Engine Type Designation<sup>1</sup> **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**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** Chapter<sup>1</sup> **4**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV-X**  
(Commercial Designation **G450**)

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

Engine Type Designation<sup>1</sup> **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**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** Chapter<sup>1</sup> **4**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV-X**  
(Commercial Designation **G450**)

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

Engine Type Designation<sup>1</sup> **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**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** Chapter<sup>1</sup> **4**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GIV-X**  
(Commercial Designation **G450**)

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

Engine Type Designation<sup>1</sup> **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**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** Chapter<sup>1</sup> **4**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Gulfstream Aerospace Corporation**      Aircraft Type Designation<sup>1</sup>      **GV**

Engine TC Holder      **Rolls Royce Deutschland Ltd & Co. KG**      Engine Type Designation<sup>1</sup>      **BR700-710A1-10**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Gulfstream Aerospace Corporation**      Aircraft Type Designation<sup>1</sup>      **GV**

Engine TC Holder      **Rolls Royce Deutschland Ltd & Co. KG**      Engine Type Designation<sup>1</sup>      **BR700-710A1-10**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **ASC 064 (Reduced MLW)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **3**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GV**

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

Engine Type Designation<sup>1</sup> **BR700-710A1-10**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**ASC 064, ASC 197 (Reduced MLW, Recertification Chapter 4)**

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

Chapter<sup>1</sup> **4**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Gulfstream Aerospace Corporation**      Aircraft Type Designation<sup>1</sup>      **GV**

Engine TC Holder      **Rolls Royce Deutschland Ltd & Co. KG**      Engine Type Designation<sup>1</sup>      **BR700-710A1-10**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **ASC 064A (Reduced MLW and MTOW)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **3**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Gulfstream Aerospace Corporation**      Aircraft Type Designation<sup>1</sup>      **GV**

Engine TC Holder      **Rolls Royce Deutschland Ltd & Co. KG**      Engine Type Designation<sup>1</sup>      **BR700-710A1-10**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **ASC 064A, ASC 197 (Reduced MLW and MTOW, Recertification Chapter 4)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **4**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Gulfstream Aerospace Corporation**      Aircraft Type Designation<sup>1</sup>      **GV**

Engine TC Holder      **Rolls Royce Deutschland Ltd & Co. KG**      Engine Type Designation<sup>1</sup>      **BR700-710A1-10**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **ASC 197 (Recertification Chapter 4)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **4**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Gulfstream Aerospace Corporation**      Aircraft Type Designation<sup>1</sup>      **GV-SP**  
 (Commercial Designation      **G500)**

Engine TC Holder      **Rolls Royce Deutschland Ltd & Co. KG**      Engine Type Designation<sup>1</sup>      **BR700-710C4-11**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **ASC 010 (G500 Modification)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Gulfstream Aerospace Corporation**      Aircraft Type Designation<sup>1</sup>      **GV-SP**  
 (Commercial Designation      **G500)**

Engine TC Holder      **Rolls Royce Deutschland Ltd & Co. KG**      Engine Type Designation<sup>1</sup>      **BR700-710C4-11**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **ASC 010, ASC 089 (G500 Modification, Recertification Chapter 4 for SN 5001-5288)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 5 / Amendment 9**      Chapter<sup>1</sup>      **4**

| EASA Record No. | Maximum Mass               |               | Lateral EPNL               |               | Flyover EPNL               |               | Approach EPNL              |               | See Note |
|-----------------|----------------------------|---------------|----------------------------|---------------|----------------------------|---------------|----------------------------|---------------|----------|
|                 | Take-off <sup>1</sup> (kg) | Landing (kg)  | Level <sup>1</sup> (EPNdB) | Limit (EPNdB) | Level <sup>1</sup> (EPNdB) | Limit (EPNdB) | Level <sup>1</sup> (EPNdB) | Limit (EPNdB) |          |
| A15484          | <b>38,601</b>              | <b>34,155</b> | <b>90.5</b>                | <b>94.4</b>   | <b>77.6</b>                | <b>89.0</b>   | <b>90.8</b>                | <b>98.3</b>   | <b>2</b> |

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GV-SP**  
(Commercial Designation **G550**)

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

Engine Type Designation<sup>1</sup> **BR700-710C4-11**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**ASC 011 (G550 Modification)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter<sup>1</sup> **3**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup> **Gulfstream Aerospace Corporation**

Aircraft Type Designation<sup>1</sup> **GV-SP**  
(Commercial Designation **G550**)

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

Engine Type Designation<sup>1</sup> **BR700-710C4-11**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**ASC 011, ASC 089 (G550 Modification, Recertification Chapter 4 for SN 5001-5288)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter<sup>1</sup> **4**

| EASA Record No. | Maximum Mass               |               | Lateral EPNL               |               | Flyover EPNL               |               | Approach EPNL              |               | See Note |
|-----------------|----------------------------|---------------|----------------------------|---------------|----------------------------|---------------|----------------------------|---------------|----------|
|                 | Take-off <sup>1</sup> (kg) | Landing (kg)  | Level <sup>1</sup> (EPNdB) | Limit (EPNdB) | Level <sup>1</sup> (EPNdB) | Limit (EPNdB) | Level <sup>1</sup> (EPNdB) | Limit (EPNdB) |          |
| A15485          | <b>41,277</b>              | <b>34,155</b> | <b>90.2</b>                | <b>94.6</b>   | <b>79.3</b>                | <b>89.0</b>   | <b>90.8</b>                | <b>98.6</b>   | <b>2</b> |

<sup>1</sup> See Note 1.



### **Correspondence between the ICAO Annex 16 Volume I levels of amendment and the related EU regulations**

The table below provides the correspondence between the levels of amendment of Volume I of ICAO Annex 16 and the related EU regulations that have implemented these levels of amendment since 2003, as well as the respective applicability dates.

| ICAO Annex 16 Volume I |                    | EU regulations                       |                    |
|------------------------|--------------------|--------------------------------------|--------------------|
| Amendment level        | Applicability date | Regulation number                    | Applicability date |
| <b>Amendment 14</b>    | 01/01/2024         | Regulation (EU) 2025/870*            | 25/05/2025         |
| <b>Amendment 13</b>    | 01/01/2021         | Regulation (EU) 2021/1087*           | 25/07/2021         |
| <b>Amendment 12</b>    | 01/01/2018         | Regulation (EU) 2018/1139 (Art.9)    | 11/09/2018         |
| <b>Amendment 11-B</b>  | 01/01/2015         | Regulation (EU) 2016/4*              | 26/01/2016         |
| <b>Amendment 10</b>    | 17/11/2011         | Regulation (EU) No 6/2013*           | 29/01/2013         |
| <b>Amendment 9</b>     | 20/11/2008         | Regulation (EC) No 690/2009*         | 20/08/2009         |
| <b>Amendment 8</b>     | 24/11/2005         | Regulation (EC) No 216/2008 (Art.6)  | 29/03/2007         |
|                        |                    | Regulation (EC) No 334/2007*         | 29/03/2007         |
| <b>Amendment 7</b>     | 21/03/2002         | Regulation (EC) No 1701/2003*        | 28/09/2003         |
| <b>Amendment 6</b>     | 04/11/1999         | Regulation (EC) No 1592/2002 (Art.6) | 28/09/2003         |

\* Regulations that amend Article 6 of Regulations (EC) No 1592/2002 and (EC) No 216/2008, and Article 9 of Regulation (EU) 2018/1139

### **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.
2. GV-SP SN 5289 and above are recertified to Chapter 4 without the need for Mod. ASC 089.



### **Change Record**

| <b>Issue</b> | <b>Date</b>       | <b>Changes</b>  |
|--------------|-------------------|---|
| 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   |
| Issue 12     | 27 March 2026     | Clarification of serial numbers for which Mod. ASC089 (Recertification to Ch.4) is applicable.  |

-END-

