State Aviation Administration of Ukraine

SAAU

TYPE CERTIFICATE DATA SHEET № TJI 0049 (TL 0049)

ATR 42 - ATR 72

Type Certificate Holder: ATR - GIE Avions de Transport Régional
1, Allée Pierre Nadot
31712 Blagnac Cedex
France

Models: ATR 42-200, ATR 42-300, ATR 42-320, ATR 42-400, ATR 42-500,
ATR 72-201, ATR 72-202, ATR 72-211, ATR 72-212, ATR 72-212 A

Issue 2, 02 February 2012

This Data Sheet which is integral part of Type Certificate № TJI 0049 (TL0049) prescribes the
conditions and limitations under which the product(s) for which the Type Certificate was issued
meet(s) the airworthiness requirements and environmental protection requirements, stated in
Certification basis mentioned in this Data Sheet.
SECTION I: ATR 42 SERIES
A. General
B. Technical Characteristics and Operational Limitations
C. Operating and Continued Airworthiness Instructions
D. Certification Basis

SECTION II: ATR 72 SERIES
A. General
B. Technical Characteristics and Operational Limitations
C. Operating and Continued Airworthiness Instructions
D. Certification Basis

SECTION III: Data Pertinent to All Models
A. General
B. Technical Characteristics and Operational Limitations
C. Operating and Continued Airworthiness Instructions
D. Certification Basis

SECTION IV: NOTES (applicable to both ATR 42 and ATR 72)
SECTION 1: ATR 42 SERIES

A. General

1. Airworthiness
   Category: Transport Category Aeroplane

2. SAA Certification
   Application Date: 21 January 2009

3. SAA Type
   Certification Date: 18 March 2011

B. Technical Characteristics and Operational Limitations

1. Description:
   Short range narrow fuselage twin turbo-propeller aircraft.
   The ATR 42-200 is the basic model. The ATR 42-300 is physically
   identical to the ATR 42-200 with increased operating weights. The
   ATR 42-320 is equipped with a different powerplant. The ATR 42-500
   differs from ATR 42-300 in a powerplant and 6 blades propeller,
   equipment (Multi Function Computer, stall warning / stick pusher, air
   conditioning), cabin layout and operating weights. The ATR 42-400
   differs from ATR 42-500 in a powerplant, air conditioning, and
   operating weights.

2. Type Design
   Definition:
   ATR 42-200/-300/-320:
   ATR 42-400:
   ATR 42-500:
   Type Design Definition Document
   Equipment List
   Note GATR/C n° 422.268/84
   Note GATR/C n° 422.204/85
   Note A/RT/C n° 425.1047/95
   Note A/RT/C n° 425.1100/95
   Note A/RT/C n° 425.0000/95
   Note A/RT/C n° 425.0469/95

3. Basic dimensions:
   Span: 24.57 m
   Length: 22.67 m
   Height: 7.59 m
   Wing Area: 54.514 m²
4. Engines:  

<table>
<thead>
<tr>
<th>Model</th>
<th>Engines</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATR 42-200/-300</td>
<td>2 × Pratt &amp; Whitney of Canada PW 120; or Pratt &amp; Whitney of Canada PW 121 with PW 120 operating conditions in accordance with Mod 1822 (SB ATR42-72-0002)</td>
<td></td>
</tr>
<tr>
<td>ATR 42-320</td>
<td>2 × Pratt &amp; Whitney of Canada PW 121.</td>
<td></td>
</tr>
<tr>
<td>ATR 42-400</td>
<td>2 × Pratt &amp; Whitney of Canada PW 121A.</td>
<td></td>
</tr>
<tr>
<td>ATR 42-500</td>
<td>2 × Pratt &amp; Whitney of Canada PW 127M or Pratt &amp; Whitney of Canada PW 127E; or Pratt &amp; Whitney of Canada PW 127F when Service Bulletin PW N° 21589 is embodied.</td>
<td></td>
</tr>
</tbody>
</table>

4.1. SAA engines' certification status:  

SAA TC № TD0050

4.2. Engines' Limits:  

see SAA TCDS № TD0050 and relevant approved Airplane Flight Manual

5. Fuel:  

Aviation turbine fuel Jet A, Jet A1, JP-5 and RT, TS-1. (see Note 3)

6. Propellers:  

<table>
<thead>
<tr>
<th>Model</th>
<th>Propellers</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATR 42-200/-300/-320</td>
<td>2×four-bladed Hamilton Sundstrand 14 SF-5.</td>
</tr>
<tr>
<td>ATR 42-400/-500</td>
<td>2×six-bladed Hamilton Sundstrand 568 F-1.</td>
</tr>
</tbody>
</table>

6.1. SAA propellers' certification status:  

<table>
<thead>
<tr>
<th>Propellers</th>
<th>Certification Status</th>
<th>SAA TC №</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hamilton Sundstrand 14 SF-5:</td>
<td>SAA TC № TG0012</td>
<td></td>
</tr>
<tr>
<td>Hamilton Sundstrand 568 F-1:</td>
<td>SAA TC № TG0015</td>
<td></td>
</tr>
</tbody>
</table>

6.2. Propellers’ Limits:  

<table>
<thead>
<tr>
<th>Propellers</th>
<th>Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hamilton Sundstrand 14 SF-5:</td>
<td>see SAA TCDS № TG0012</td>
</tr>
<tr>
<td>Hamilton Sundstrand 568 F-1:</td>
<td>see SAA TCDS № TG0015</td>
</tr>
</tbody>
</table>

7. Airspeeds (KIAS):  

<table>
<thead>
<tr>
<th>Model</th>
<th>V&lt;sub&gt;MO&lt;/sub&gt; / M&lt;sub&gt;MO&lt;/sub&gt;</th>
<th>V&lt;sub&gt;A&lt;/sub&gt;</th>
<th>V&lt;sub&gt;FE&lt;/sub&gt;</th>
<th>V&lt;sub&gt;LO&lt;/sub&gt; retract.</th>
<th>V&lt;sub&gt;LO&lt;/sub&gt; extend.</th>
<th>V&lt;sub&gt;LE&lt;/sub&gt;</th>
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</thead>
<tbody>
<tr>
<td>ATR 42-200</td>
<td>250 / 0.55</td>
<td>160</td>
<td>160</td>
<td>(170)&lt;sup&gt;2)&lt;/sup&gt;</td>
<td>160</td>
<td>160</td>
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<tr>
<td>ATR 42-300</td>
<td></td>
<td>160</td>
<td>145</td>
<td>(150)&lt;sup&gt;2)&lt;/sup&gt;</td>
<td>160</td>
<td>160</td>
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<tr>
<td>ATR 42-320</td>
<td></td>
<td>160</td>
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<td></td>
<td></td>
<td>(170)&lt;sup&gt;2)&lt;/sup&gt;</td>
</tr>
<tr>
<td>ATR 42-400</td>
<td></td>
<td>160</td>
<td>180</td>
<td>160</td>
<td>170</td>
<td>180</td>
</tr>
<tr>
<td>ATR 42-500</td>
<td></td>
<td>160</td>
<td>170</td>
<td>(180)&lt;sup&gt;3)&lt;/sup&gt;</td>
<td>160</td>
<td>170</td>
</tr>
</tbody>
</table>

<sup>1)</sup>: for ATR 42-400 and ATR 42-500.

<sup>2)</sup>: when Mod 1790 is embodied.

<sup>3)</sup>: when Mod 4462 is embodied.

For further air speed limitations, refer to the relevant approved Airplane Flight Manual.
8. Weights:

<table>
<thead>
<tr>
<th>Model</th>
<th>Configuration</th>
<th>MRW (kg)</th>
<th>MTOW (kg)</th>
<th>MLW (kg)</th>
<th>MZFW (kg)</th>
<th>Relevant SB</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATR 42-200</td>
<td>Basic</td>
<td>15 770</td>
<td>15 750</td>
<td>15 500</td>
<td>14 500</td>
<td></td>
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<tr>
<td></td>
<td>Mod 598</td>
<td>16 170</td>
<td>16 150</td>
<td>16 000</td>
<td>14 800</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mod 951</td>
<td>16 720</td>
<td>16 700</td>
<td>16 400</td>
<td>15 200</td>
<td>ATR42-08-0001</td>
</tr>
<tr>
<td>ATR 42-300/-320</td>
<td>Mod 2082</td>
<td>16 720</td>
<td>16 700</td>
<td>16 400</td>
<td>15 540</td>
<td>ATR42-08-0002</td>
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<tr>
<td></td>
<td>Mod 4076</td>
<td>17 070</td>
<td>16 900</td>
<td>16 400</td>
<td>15 540</td>
<td>ATR42-08-0003</td>
</tr>
<tr>
<td>ATR 42-400</td>
<td>Mod 3762</td>
<td>18 070</td>
<td>17 900</td>
<td>17 600</td>
<td>16 300</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Basic</td>
<td>18 770</td>
<td>18 600</td>
<td>18 300</td>
<td>16 700</td>
<td></td>
</tr>
<tr>
<td>ATR 42-500</td>
<td>Mod 5144 / 5175</td>
<td>18 770</td>
<td>18 600</td>
<td>18 300</td>
<td>17 000</td>
<td>ATR42-08-0003</td>
</tr>
</tbody>
</table>

9. Fuel capacity: 4 500 kg in two wing tanks

10. Minimum Flight Crew: 2 (pilot and co-pilot)

11. Maximum Number of Passengers: 60, corresponding to the maximum capacity permitted by the size of the cabin; for the approved number of passengers for each aircraft, refer to the relevant approved Airplane Flight Manual, Weight and Balance Manual and the Cabin Layout Catalogue (ref. GATR/C 422.057/85).

12. Cargo Compartments Loading: Refer to relevant Weight and Balance Manual (see Note 2)

13. Maximum Operating Altitude: 25 000 feet (7 620m)

14. Temperature Limits:
   (on ground)
   ATR 42-200/-300/-320: $-40^\circ\text{C} (-54^\circ\text{C})^1 \div +50^\circ\text{C}$
   ATR 42-400/-500: $-54^\circ\text{C} \div +50^\circ\text{C}$
   1): when Mod 8243 is embodied.

For further outside air temperature limitations, refer to the relevant approved Airplane Flight Manual.
15. Authorized Kinds of Operation:

- full passengers, full cargo (in containers), and a combination of passengers and cargo transportation; (see Note 2)
- day and night operation in visual and instrument conditions;
- paved runway operation and unpaved runway operation when the following modifications are embodied: Mod 4109 for ATR 42-200/-300/-320 aeroplanes, and Mod 5038 for ATR 42-400/-500 aeroplanes;
- operation over water surfaces (ATR 42-500 - when the Mod 4626 is embodied); (see Note 5)
- Cat. II approaches when the following modifications are embodied: modifications listed in Service Letter ATR 42-22-5001 for ATR 42-200/-300/-320 aeroplanes, and Mod 1112 for ATR 42-400/-500 aeroplanes;
- P-RNAV when the Mod 5403 and/or SB° ATR 42 34-0154 are embodied;
- 8.33 KHz Channel Spacing when the Mod 4128 and/or SB° ATR 42 23-0053 are embodied;
- RVSM is not applicable - Flight Level ≤250;
- 120 min. ETOPS for ATR 42-500 model with PW127E or PW127M engines when the Mod 4711 is embodied;
- flights by a routes with breaks of VHF communication fields defined for 80% of the effective radio horizon exceed 5 minutes if one HF radio station is installed or for the breaks exceed one hour if two HF radio stations are installed. Single or Dual HF Radios may be incorporated by Mod. Ne Ne 5285 or 5230 or 5353.

16. ICAO Noise Levels:

As defined in EASA Type Certificate Data Sheet for Noise TCDSN A.084 (refer to the relevant approved Airplane Flight Manual).
### C. Operating and Continued Airworthiness Instructions

#### 1. Operating Instructions:

- DGAC / EASA approved ATR 42 Models 200-300-320 Airplane Flight Manual, revision 28 or later approved revision;
- SAA / EASA approved ATR 42 AFM Supplement 7_10 (SAA);
- ATR 42 Weight and Balance Manual, revision 29 or later;
- ATR 42 Flight Crew Operational Manual, revision 38 or later;
- ATR 42 Quick Reference Handbook, revision 38 or later.

For further Operating Instructions see Section III of this TCDS.

#### 2. ICA-s:

- EASA approved ATR 42-200/-300/-320 Maintenance Review Board Report, revision 11 or later approved revision;
- ATR 42-200/-300/-320 Maintenance Planning Document, revision 24 or later;
- ATR 42 Structural Repair Manual, revision 90 or later.

For further Instructions for Continued Airworthiness see Section III of this TCDS.

#### 3. Airworthiness Limitations:

- EASA approved ATR 42-200/-300/-320 Time Limits document (appendix A of ATR 42-200/-300/-320 Maintenance Review Board Report), revision 07 or later approved revision

#### 3.1. Life Limits:

- ATR 42-200/-300/-320 Time Limits, revision 07 or later approved revision, Chapter 2. Life Limited Components

#### 3.2. Inspection:

- ATR 42-200/-300/-320 Time Limits, revision 07 or later approved revision, Chapter 3. Structural Significant Items

#### 4. CPCP:

see Section III of this TCDS

#### 5. CMR:

- ATR 42-200/-300/-320 Time Limits, revision 07 or later approved revision, Certification Maintenance Requirements

### D. Certification Basis

see Section III of this TCDS
SECTION II: ATR 72 SERIES

A. General

1. Airworthiness
   Category: Transport Category Aeroplane

2. SAA Certification
   Application Date: 21 January 2009

3. SAA Type
   Certification Date: 18 March 2011

B. Technical Characteristics and Operational Limitations

1. Description:
   (see Note 1) Short range narrow fuselage twin turbo-propeller aircraft.
   Derivative of the ATR 42 with a stretched fuselage incorporating outer wing box made in carbon, different powerplant and propeller, equipment (Multi Function Computer), and increased operating weights.
   The ATR 72-211/212 differs from ATR 72-201/202 in a powerplant and propeller, increased landing flaps setting, and equipment (stall warning / stick pusher). Differences between the ATR 72-201/-211 and the ATR 72-202/212 are in the type of doors, emergency exits and cabin configuration: ATR 72-202/212 are fitted with a Front Cargo Door and a Rear Pax Door (with integrated stairs); ATR 72-201/-211 are fitted with a Front Pax Door instead of the cargo door (the two rears doors are Service Doors), and the forward cargo compartment is class C (instead of a class B compartment). The ATR 72-212 A differs from ATR 72-212 in a powerplant and 6 blades propeller, ailerons with "Spring Tabs", cabin layout and operating weights.

2. Type Design Definition:

<table>
<thead>
<tr>
<th>Type Design Definition Document</th>
<th>Equipment List</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATR 72-201: Note GATR/C n° 425.795/89</td>
<td>Note GATR/C n° 425.892/89</td>
</tr>
<tr>
<td>ATR 72-202: Note GATR/C n° 422.130/89</td>
<td>Note GATR/C n° 422.102/89</td>
</tr>
<tr>
<td>ATR 72-211: Note GATR/C n° 425.718/92</td>
<td>Note GATR/C n° 425.182/92</td>
</tr>
<tr>
<td>ATR 72-212: Note GATR/C n° 425.719/92</td>
<td>Note GATR/C n° 425.676/92</td>
</tr>
<tr>
<td>ATR 72-212 A: Note A/RT/C n° 425.0779/96</td>
<td>Note A/RT/C n° 425.0790/96</td>
</tr>
</tbody>
</table>

3. Basic dimensions:
   - Span: 27.05 m
   - Length: 27.166 m
   - Height: 7.65 m
   - Wing Area: 61 m²

4. Engines:
   - ATR 72-201/-202: 2 × Pratt & Whitney of Canada PW 124B.
   - ATR 72-211/-212: 2 × Pratt & Whitney of Canada PW 127;
     or Pratt & Whitney of Canada PW 127F
     when Service Bulletin PW N° 21591 is embodied.
   - ATR 72-212 A: 2 × Pratt & Whitney of Canada PW 127A;
     or 2 × Pratt & Whitney of Canada PW 127M.
4.1. SAA engines’
certification status: SAA TC № TD0050

4.2. Engines’ Limits: see SAA TCDS № TD0050 and relevant approved Airplane Flight Manual

5. Fuel:
Aviation turbine fuel Jet A, Jet A1, JP-5 and RT, TS-1. (see Note 3)

6. Propellers:
ATR 72-201/-202: 2 × four-bladed Hamilton Sundstrand 14 SF-11;
or four-bladed Hamilton Sundstrand 14 SF-11E.
ATR 72-211/-212: 2 × four-bladed Hamilton Sundstrand 247 F-1;
or four-bladed Hamilton Sundstrand 247 F-1E;
or four-bladed Hamilton Sundstrand 14 SFL-11
with the same characteristics as 14 SF-11
when Mod 3560 is embodied.
ATR 72-212 A: 2 × six-bladed Hamilton Sundstrand 568 F-1.

6.1. SAA propellers’
certification status: Hamilton Sundstrand 14 SF-11/14 SF-11E/14 SFL-11:
SAA TC № TG0012
Hamilton Sundstrand 247 F-1/247 F-1E: SAA TC № TG0014
Hamilton Sundstrand 568 F-1: SAA TC № TG0015

6.2. Propellers’ Limits:
Hamilton Sundstrand 14 SF-11/14 SF-11E/14 SFL-11:
see SAA TCDS № TG0012
Hamilton Sundstrand 247 F-1/247 F-1E: see SAA TCDS № TG0014
Hamilton Sundstrand 568 F-1: see SAA TCDS № TG0015

7. Airspeeds (KIAS):
\[
\begin{array}{cccccc}
V_{MO} / M_{MO} & V_A & V_{FE}^{15\text{°}} & V_{FE}^{30\text{°}} & V_{LO}^{\text{retract.}} & V_{LO}^{\text{extend.}} & V_{LE} \\
250 / 0.55 & 175 & 185 & 150 & 160 & 170 & 185
\end{array}
\]

8. Weights:

\[
\begin{array}{|c|c|c|c|c|c|c|}
\hline
 & MRW & MTOW & MLW & MZFW & Relevant SB \\
 & (kg) & (kg) & (kg) & (kg) & \\
\hline
ATR 72-201/-202 & Mod 1383 & 21 530 & 21 500 & 21 350 & 19 700 & ATR72-08-1002 \\
ATR 72-211/-212 & Mod 3651 & 22 030 & 22 000 & 21 350 & 19 700 & ATR72-08-1003 \\
& Mod 3849 & 22 030 & 22 000 & 21 350 & 20 000 & ATR72-08-1004 \\
& Mod 4639 & 22 180 & 22 000 & 21 850 & 20 000 & \\
ATR 72-212 A & Mod 4670 & 22 670 & 22 500 & 22 350 & 20 300 & ATR72-08-1006 \\
& / 4671 & & & & \\
& Mod 5213 & 22 670 & 22 500 & 22 350 & 20 500 & ATR72-08-1005 \\
& Mod 5555 & 22 970 & 22 800 & 22 350 & 20 800 & ATR72-08-1007 \\
\hline
\end{array}
\]

9. Fuel capacity: 5 000 kg in two wing tanks

10. Minimum Flight Crew: 2 (pilot and co-pilot)
11. Maximum Number of Passengers:

74, corresponding to the maximum capacity permitted by the size of the cabin; for the approved number of passengers for each aircraft, refer to the relevant approved Airplane Flight Manual and Weight and Balance Manual.

12. Cargo Compartments Loading:

Refer to relevant Weight and Balance Manual (see Note 2)

13. Maximum Operating Altitude:

25 000 feet (7 620m)

14. Temperature Limits: ¹)

(on ground)

-54°C + +50°C

For further outside air temperature limitations, refer to the relevant approved Airplane Flight Manual.

15. Authorized Kinds of Operation:

- full passengers, full cargo (in containers), and a combination of passengers and cargo transportation; (see Note 2)
- day and night operation in visual and instrument conditions;
- paved runway operation and unpaved runway operation for ATR 72-201/-202/-211/-212 aeroplanes only when the Mod 3644 is embodied;
- operation over water surfaces; (see Note 5)
- Cat. II approaches when the Mod 1112 and/or SB N° ATR72 22-1007 are embodied;
- P-RNAV when the Mod 5403 and/or SB° ATR 72 34-1084 are embodied;
- 8.33 Khz Channel Spacing when the Mod 4128 and/or SB° ATR 72 23-1030 are embodied;
- RVSM is not applicable - Flight Level <250;
- 120 min. ETOPS for ATR 72-201/-202 models with PW124B engines;
- 120 min. ETOPS for ATR 72-212A model with PW127F or PW127M engines when the Mod 4711 is embodied,
- flights by a routes with breaks of VHF communication fields defined for 80% of the effective radio horizon exceed 5 minutes if one HF radio station is installed or for the breaks exceed one hour if two HF radio stations are installed. Single or Dual HF Radios may be incorporated by Mod. N° 5285 or 5230 or 5353.

16. ICAO Noise Levels:

As defined in EASA Type Certificate Data Sheet for Noise TCDSN A.084 (refer to the relevant approved Airplane Flight Manual).
### C. Operating and Continued Airworthiness Instructions

<table>
<thead>
<tr>
<th>ATR 72-201/-202/-211/-212</th>
<th>ATR 72-212 A</th>
</tr>
</thead>
</table>
| **1. Operating Instructions:** | **- DGAC / EASA approved ATR 72 Models 101-201-102-202-211-212 Airplane Flight Manual, revision 23 or later approved revision;**  
|  | **- SAA / EASA approved ATR 72 AFM Supplement 7_10 (SAA);**  
|  | **- ATR 72 Weight and Balance Manual, revision 24 or later;**  
|  | **- ATR 72 Flight Crew Operational Manual, revision 32 or later;**  
|  | **- ATR72 Quick Reference Handbook, revision 30 or later.**  
|  | For further Operating Instructions see Section III of this TCDS. |
|  | **- DGAC / EASA approved ATR 72 Model 212 A Airplane Flight Manual, revision 12 or later approved revision;**  
|  | **- SAA / EASA approved ATR 72A AFM Supplement 7_10 (Model: 212 A SAA);**  
|  | **- ATR 72-212A Weight and Balance Manual, revision 03 or later;** |

| **2. ICA-s:** (also see Section III of this TCDS) | **- EASA approved ATR 72 Maintenance Review Board Report, revision 15 or later approved revision;**  
|  | **- ATR 72 Maintenance Planning Document, revision 16 or later;**  
|  | **- ATR 72 Structural Repair Manual, revision 76 or later.**  
|  | For further Instructions for Continued Airworthiness see Section III of this TCDS. |

| **3. Airworthiness Limitations:** | **EASA approved ATR72 Time Limits document (appendix A of ATR 72 Maintenance Review Board Report), revision 07 or later approved revision** |
| **3.1. Life Limits:** | **ATR72 Time Limits, revision 07 or later approved revision, Chapter 2. Life Limited Components** |
| **3.2. Inspection:** | **ATR72 Time Limits, revision 07 or later approved revision, Chapter 3. Structural Significant Items** |
| **4. CPCP:** | **see Section III of this TCDS** |
| **5. CMR:** | **ATR72 Time Limits, revision 07 or later approved revision, Certification Maintenance Requirements** |

### D. Certification Basis

see Section III of this TCDS
SECTION III: Data Pertinent to All Models

A. General

1. Manufacturer: ATR - GIE Avions de Transport Régional
   1, Allée Pierre Nadot 31712 Blagnac Cedex, France

B. Technical Characteristics and Operational Limitations

1. Equipment: (see Note 4) The equipment required by the applicable Airworthiness
   Requirements must be installed.

   The equipment whose installation is approved is listed in the
   definition of the reference models and of the modifications which are
   applicable to these models.

   Cabin furnishing equipment must comply with the following
   specifications (latest applicable issue):

<table>
<thead>
<tr>
<th>Passenger seats (see Note 5)</th>
<th>Galleys</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATR 42-200/-300/-320:</td>
<td>419.282/82</td>
</tr>
<tr>
<td>ATR 42-400/-500:</td>
<td>419.282/82</td>
</tr>
</tbody>
</table>

C. Operating and Continued Airworthiness Instructions

1. Operating Instructions: - DGAC/EASA Approved All ATR Models
   ATR 72-201/202/211/212/212A ATR 42-400/500,
   ATR 42-300/320 Master Minimum Equipment List,
   revision 2 or later approved revision 1)

   1): The MMEL is applicable to ATR 42-200 model as well.

2. Instructions for Continued Airworthiness:

   Aircraft Maintenance Manual including Job Instruction Cards,
   Description/Operation, Trouble Shooting Manual (customized
documentation)

   Wiring Diagram Manual including Aircraft Wiring List,
   (customized documentation)

   Illustrated Parts Catalogue (customized documentation)

3. Corrosion Prevention and Control Program (CPCP): ATR Corrosion Prevention, Corrosion Inspection, Corrosion
   Findings
C. Certification Basis

1. EASA Certification Basis: As defined in EASA TCDS A.084

2. SAA Certification Basis:

2.1. Airworthiness Requirements: AR-25 Airworthiness Standards for Transport Category Airplanes

2.2. SAA Equivalent Safety Findings:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR 25.415</td>
<td>Ground gust conditions (ref. SAA CRI ST-3)</td>
</tr>
<tr>
<td>AR 25.519(c)</td>
<td>Emergency equipment design (ref. SAA CRI D-1)</td>
</tr>
<tr>
<td>AR 25.809(a*)</td>
<td>Quantity and parameters of supplying air (ref. SAA CRI SL-1)</td>
</tr>
<tr>
<td>AR 25.1457(g)(1)</td>
<td>Cockpit Voice Recorder (ref. SAA CRI A-5)</td>
</tr>
<tr>
<td>AR 25.1459(d)(1)</td>
<td>Flight recorders (ref. SAA CRI A-7)</td>
</tr>
<tr>
<td>AR 25F.8.8.3.1.7</td>
<td>Acceptable vibration level excess warning for each engine (ref. SAA CRI E-4)</td>
</tr>
<tr>
<td>AR 25F.8.8.3.1.9</td>
<td>Rotors over-speed warning (ref. SAA CRI E-4)</td>
</tr>
<tr>
<td>AR 25F.8.8.3.1.14</td>
<td>Minimum oil quantity warning (ref. SAA CRI E-4)</td>
</tr>
</tbody>
</table>

2.3. Environmental Requirements: ICAO Annex 16, Volume I
SECTION IV: NOTES (applicable to both ATR 42 and ATR 72)

Note 1: ATR 72-500 is commercial name of ATR 72-212 A.

Note 2: Cargo/baggage could be loaded in cargo compartments - refer to the relevant Weight and Balance Manual. Full cargo container transportation is capable when the following modifications are embodied:

- for ATR 42-200/-300/-320 Mod 1769, 1393 and 2080;
- for ATR 42-400/500 Mod 4273, 4003 and 3019;
- for ATR 72-202/-212 Mod 2595, 2804 and 3019;
- for ATR 72-212A Mod 4511, 2804 and 3019,

refer to the relevant approved Airplane Flight Manual and Weight and Balance Manual. Passengers / Container transportation (Combi Configuration - two containers in the forward aircraft area) is capable for ATR 42-500 when the Mod 6121 and 6132 are embodied - refer to the relevant approved Airplane Flight Manual and Weight and Balance Manual. Combi configuration for ATR 42-200/-300/-320 models (Mod 244 - removable partition wall for cargo volume increase) is not approved.

Note 3: Use of JP4 and Jet B fuels is prohibited.

Note 4: The following equipment is mandatory for aeroplanes intended to be registered in Ukraine:

<table>
<thead>
<tr>
<th>Equipment</th>
<th>ATR 42 Mod No</th>
<th>ATR 72 Mod No</th>
</tr>
</thead>
<tbody>
<tr>
<td>2nd Portable ELT</td>
<td>5878</td>
<td>5878</td>
</tr>
<tr>
<td>EGPWS with excessive roll bank angle</td>
<td>5467</td>
<td>5467</td>
</tr>
<tr>
<td>warning</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HF Radio</td>
<td>5285 + 5230</td>
<td>5285 + 5230</td>
</tr>
<tr>
<td>*</td>
<td>+ 5353</td>
<td>+ 05353</td>
</tr>
<tr>
<td>8.33 Khz VHF Radio</td>
<td>4928 or 8293</td>
<td>4928 or 8293</td>
</tr>
<tr>
<td>GPS KLN 90B (B-RNAV) or HT1000 (B-RNAV)</td>
<td>4890</td>
<td>4890</td>
</tr>
<tr>
<td>TCAS II</td>
<td>5103 + 5246</td>
<td>5103 + 5246</td>
</tr>
<tr>
<td>Door opening procedure placard</td>
<td>6426</td>
<td>6426</td>
</tr>
<tr>
<td>Cockpit security door (cockpit reinforced door)</td>
<td>–</td>
<td>5434 + 5377</td>
</tr>
<tr>
<td>Cabin Video Surveillance</td>
<td>–</td>
<td>5390</td>
</tr>
</tbody>
</table>

* this equipment is mandatory for flights by international airlines.

Note 5: When requested by the operational rules, the life raft must be installed in accordance with the locations defined in document 421.0178/96, rev. 2, for the ATR 42 aeroplanes and in document 421.054/92, issue 5, for the ATR 72 aeroplanes.

Head of Aviation Products
Type Certification Department

Sergii Haydenko