



ATR

ISSUE 06 - DECEMBER 2025

ATR External Change Catalogue

ATR CUSTOMER SERVICES

ACCELERATING SUSTAINABLE CONNECTIONS



Information

ATR is attentive to Customer expectations in terms of flight operations, maintenance costs, inclusion, obsolescence, passenger comfort and connectivity. This catalogue presents a range of External Change Solutions to address these requirements, which are designed, delivered and supported by our External Design Organisations partners ("External DOA Partners"). These Partners have been selected notably on their ability to design and certify the External Change Solutions through the relevant airworthiness authority.

To purchase any External Change Solution from this catalogue, please contact directly the relevant External DOA Partner to request a quotation. Purchase Orders must be placed between your company and the relevant External DOA Partner, who will also provide the corresponding Customer Support.

For each solution purchased from this Catalogue, Customers will be able to access the supplementary documentation in ATRnavX for Maintenance Documentation and e-Flight Ops Doc for Operational Documentation.

The applicability of these solutions depends on aircraft configuration and is subject to review by the External DOA Partner. Information on price range, weight change, lead time, and manpower is given as guidance only.

Should none of the available solutions presented in both **ATR Upgrade Services Catalogue** and **ATR External Change Catalogue** meet your needs, please contact your ATR Services Sales Director or place a request on ATRactive Portal.

The information, facts, images and figures provided in this catalogue do not constitute an offer and ATR reserves the right to modify the catalogue and its content at any time without notice and without liability. ATR and its affiliates have no liability and do not provide any warranty, representation, whether express or implied, in contract, by law, statute or otherwise for the description, availability and/or performance of any of these External Change Solutions or their compatibility with any mandatory or non-mandatory modifications.

There is no joint and several liability between ATR, its affiliates and the External DOA Partners. The External DOA Partner remains exclusively liable for the External Change Solutions, including but not limited to the design definition (including configuration, changes and continuing airworthiness). Aircraft document update and Customer Support are also under the exclusive responsibility of the relevant External DOA Partner.



User guide

Solution title and subtitle

COMMERCIAL OFFERS

- Price Range
- Weight impact
- Solution lead time
- Installation time

Title New

Subtitle

ATA XX
Category

DESCRIPTION

XXXXXXXXXXXX

BENEFITS

• XXXXXXXXXXXX

OPERATIONAL COSTS SAVINGS

MAINTENANCE COSTS SAVINGS

OPERATIONAL BOOST

PASSENGER COMFORT

CREW EFFICIENCY

PRE-REQUISITE XXXXXXXXXXXX

SEE ALSO

PACKAGE CONTENT

• XXXXXXXXXXXX

APPLICABILITY		For information only. Applicability of the modification to each MSN is subject to validation.			
AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	YES	Original	YES
ATR 72	ALL	-600 series	YES	New Look	YES
				Armonia	YES

CONTACT

Partner's logo

Subject to a possible specific adaptation to the relevant MSN.

If solution added through this catalogue revision

If solution classified as Major Modification

ATA common reference number and category

BENEFIT CATEGORIES

- Operational cost savings
- Maintenance cost savings
- Operational boost
- Passenger comfort
- Crew efficiency

SEE ALSO

- Link to related External Change Solution
- Link to related ATR Upgrade Solution

Partner(s) logo; clickable to access to the partner presentation

© ATR GIE. All rights reserved. Confidential and proprietary document.

68

ATR EXTERNAL CHANGE CATALOGUE - Issue 05

INTRODUCTION

● Information	2
● User guide	3
● Contents - General	4
● Contents - Cabin interiors	5
● Contents - Connectivity & Avionics	6
● Contents - Liveries, fuselage protections & pax to freighter	7
● Glossary - Part 1	8
● Glossary - Part 2	9

EXTERNAL DOA PARTNERS PRESENTATION

● Partners international footprint	11
● AERO ENGINEERING SERVICES	12
● ECM SKYSERVICES	13
● EIRTECH AVIATION SERVICES	14
● JANA INC.	15
● PMV ENGINEERING	16
● UUDS	17 NEW

CABIN INTERIORS

● Cabin reconfiguration	19	
● VIP cabin configuration	20	
● All-business class configuration	21	NEW
● Exit signs replacement	22	
● Placards and markings replacement	23	
● Additional seat row numbering placards	24	
● Emergency equipment replacement & relocation	25	
● Automated External Defibrillator installation	26	
● Floor covering replacement	27	
● Seats replacement, refurbishing & repair	28	
● Seat covers replacement	29	
● Decorative laminate replacement	30	
● Oversize luggage in FWD cargo hold	31	
● Oversize item transportation in Cabin	32	
● Halon free extinguisher for pre-Armonia cabins	33	
● Partition protections in cargo areas	34	
● Linings protections in cargo areas	35	
● Multiple medical stretchers transportation	36	
● Medical aircraft configuration	37	NEW
● AFT cargo loading assistance system	38	
● Enhanced accessibility to AFT cargo	39	
● Attendant handset protection case	40	
● Cockpit stowage box for flight crew	41	

CONNECTIVITY

- Universal cradle for EFB tablets 43
- Standalone Wi-Fi IFE 44
- In-seat power supply 45
- Starlink® cabin connectivity 46

AVIONICS

- HF for ferry flights of legacy aircraft 48
- Legacy avionics suite upgrade 49
- LPV approach capability for Universal Avionics FMS 50
- Bose® ANR boomset 51
- Cockpit Voice Recorder with 25h recording capability 52 NEW
- Lithium-Ion batteries 53 NEW
- GPS/FMS protection from Jamming/Spoofing 54 NEW



LIVERIES

- Technical markings 56
- White and customized liveries 57

FUSELAGE PROTECTIONS

- Belly fairing protection for unpaved runway operations 59
- Fuselage protection for unpaved runway operations 60 NEW
- Fuselage protection from paved runway FOD 61

PAX TO FREIGHTER

- Bulk Freighter Conversion (IPR BFC) 63
- Large Cargo Door (LCD) 64
- Cargo Flex 2.0 65

Glossary - Part 1

TERMS & ABBREVIATIONS	DEFINITION
ACARS	Aircraft Communication Addressing and Reporting System - data exchange between aircraft and flight operations centers or air traffic control
ACD	Aircraft Configuration Data
ADS-B OUT	Automatic Dependent Surveillance-Broadcast
AED	Automated External Defibrillator - Device that automatically analyzes the heart rhythm and that if it detects a problem that may respond to an electrical shock to restore a normal heart rhythm.
AISD	Aircraft Information Services Domain
ARMONIA	The newest Cabin interiors of ATR aircraft installed on ATR 42 MSN 859 and ATR 72 MSN 958 and higher (with exceptions).
BFC	Bulk Freight Cargo - Bulk cargo is a shipping term for items that are shipped loosely and unpackaged as opposed to being shipped in packages or containers
DOA	Design Organization Approval - The recognition that a Design Organization complies with the requirements of EASA Part 21 Subpart J.
EFB	Electronic Flight Bag - Electronic information management device that helps flight crews perform flight management tasks more easily and efficiently with less paper
EO	Engineering Order - The document that explains how a check can be done and how to plan and keep track of modifications of components.
ETSO	European Technical Standard Order - Authorization that represents one way (and not the only way) to have parts and appliances approved. This is an optional step which ensures that a part or appliance complies with a minimum performance standard.
FOD	Foreign Object Debris - includes any object found in an inappropriate location that, as a result of being in that location, can damage equipment or injure personnel
FMS	Flight Management System
ICAO	The International Civil Aviation Organization is a specialized agency of the United Nations
IFE	In-Flight Entertainment - refers to entertainment and other value-added services available to aircraft passengers during a flight



Glossary - Part 2

TERMS & ABBREVIATIONS	DEFINITION
ILS	The Instrument Landing System is a precision radio navigation system that provides short-range guidance to aircraft to allow approaches at night or in bad weather
LCD	Large Cargo Door – Structural modification that allows to install a larger cargo door than the standard one.
LEGACY	All avionics suite systems embedded on ATR aircraft before the THALES Avionics Suite deployed on -600 series.
LPV	Localizer Performance with Vertical guidance
MCDU	Multifunction Control and Display Unit - The heart of modern aircraft, from which the pilot will enter details about a given flight
NEW LOOK	The cabin interiors of ATR aircraft installed prior to the Armonia Cabin interior, installed on ATR 42 MSN 443 and ATR 72 MSN 468 and higher (with exceptions).
NCU	Navigation Computer Unit - Computer which takes the input from navigation aids to provide lateral navigation (L-NAV) directions
POA	Production Organization Approval - The recognition that a Production Organization complies with the requirement of EASA Part 21 Subpart G.
RNAV	Area Navigation is a method of navigation that permits aircraft operation on any desired course within the coverage of station-referenced navigation signals or within the limits of a self-contained system capability, or a combination of these
SATCOM	Satellite Communication - Aircraft onboard equipment for SATCOM includes a satellite data unit, a high power amplifier and an antenna with a steerable beam
SB	Service Bulletin - The document used to communicate details of modifications which can be embodied in aircraft.
SBAS	Satellite-Based Augmentation Systems support wide-area or regional augmentation through the use of additional satellite-broadcast messages.
STC	Supplemental Type Certificate - A national aviation authority approved major modification or repair to an existing type certified aircraft, engine or propeller.
WAP	Wireless Access Point - networking hardware device that allows other Wi-Fi devices to connect to a wired network or wireless network
Wi-Fi	System for connecting electronic equipment such as computers and electronic organizers without using wires
XPDR	Transponder is short for transmitter-responder and sometimes abbreviated to XPDR



External DOA partners



External DOA partners

International footprint

PARTNER	LOCATION
	FRANCE
	FRANCE
	IRELAND, UNITED KINGDOM, SINGAPORE, UNITED STATES
	FRANCE
	UNITED STATES, MEXICO, SPAIN, NETHERLANDS, SINGAPORE
	FRANCE, DUBAI, USA, INDIA, CHINA



External DOA partners

Aero Engineering Services

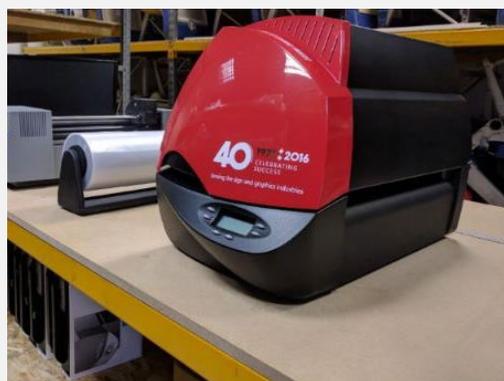
OVERVIEW

Aero Engineering Services is specialized in turnkey solutions for aircraft interior retrofit supported by PART 21J and PART 21G approval.

Engineering and Certification: specialized in cabin modification design and certification including; LOPA change, textile change, monument refurbishment, livery change, interior and exterior markings change, etc.

Parts Manufacturing: all textile parts in the aircraft (seat covers, carpet kits, curtains, pouches, mooring kits, etc.), exterior markings, exterior decor stencils/decals , interior placards.

Aero Engineering Services support you with a complete package of services.



REGIONAL COVERAGE

- Worldwide network coverage
- Multi-disciplinary team with wide experience and capability to provide assistance to customers and address all types of projects globally

KEY INFORMATION

- Large range of customers: airlines, MRO, and lessors
- In-house placards, markings, stencils, decorative films, seats covers, carpet, curtains, pleated curtains and other textile manufacturing
- PART 21J (DOA) approved No. EASA.21J.624
- PART 21G (POA) approved No. FR.21G.0289
- large suppliers network on kits solution (seats or seats shipset, galleys, closets, partitions, etc.)

CONTACT

Mr. Raphaël DASSE
 135 Av. du Comminges,
 31270 Cugnaux, France

+33 (0)6 52 08 24 42
 raphael.dasse@aero-engineering-services.com
 www.aero-engineering-services.com



External DOA partners

ECM Skyservices

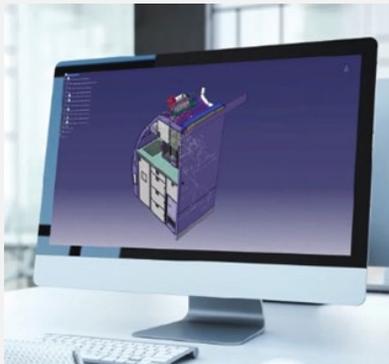
OVERVIEW

ECM is a subsidiary of CRIT group and its expertise activity SKY SERVICES holds EASA PART 21J approval on all types of aircraft.

The SKY SERVICES department relies on a group of technical experts in aircraft modifications and retrofits (cabin, avionics, electrical system and structure).

ECM operates on all types of commercial, business, military and VIP aircraft and offers a customized solution from engineering to certification activities, including associated kit supply, management of Vendors and OEMs, as well as support for integration on aircraft.

ECM's agility and expertise make it possible to offer an optimized solution to operators, airlines and lessors at the best costs. The gain is a reduction in downtime for aircraft in service, and integration of innovative solution.



REGIONAL COVERAGE

ECM support its customer worldwide, from our Sky-services department headquarter in Toulouse, to customer facilities.

KEY INFORMATION

- Founded in 1973, revenues : 25 M €, fully owned subsidiary of CRIT Group (USD 3 billion in revenues)
- PART 21J (DOA) approved No. EASA.21J.464 since 2015
- 400 Experts and engineers, including 50 cabin specialists
- More than 185 aircraft modification programs (SA, LR, and Business Jet)
- More than 115 Retrofits on civil or military aircraft
- Additive manufacturing capability (3D printing)

CONTACT

Mr. Antoine GHOSN
 14 Rue des Briquetiers,
 31700 Blagnac, France

+33 (0)5 62 74 16 56
 sky-services@ecm-crit.com
 www.sky-services.ecm-crit.com



External DOA partners

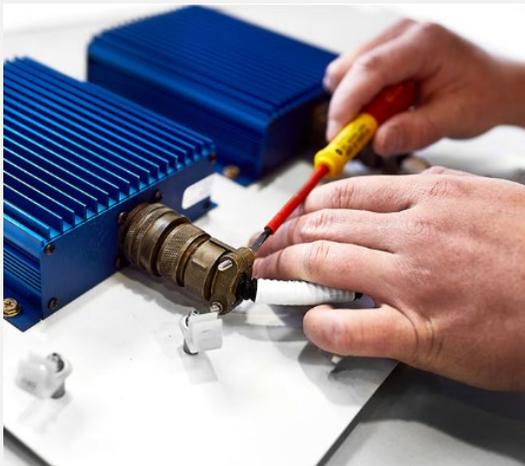
Eirtech Aviation Services

OVERVIEW

Eirtech Aviation Services can provide design engineering, certification and integration services for all commercial aircraft types (narrow body, wide body and regional aircraft). They are working with the largest Airlines, Aircraft Leasing Companies and MRO's globally.

They have Engineers located around the world to support projects in all time zones and can provide EASA, FAA and GCAA approved minor and major modifications.

Eirtech Aviation Services can provide a turnkey solution for aircraft transition or fleet modification programmes.



REGIONAL COVERAGE

- Eirtech Aviation provides Global coverage to Customers
- Headquartered in Shannon, Ireland with offices also based in Dublin, Belfast, London, Las Vegas & Singapore

KEY INFORMATION

- Design Engineering, Production, CAMO, Materials, and Technical Services
- EASA, FAA, GCCA and other global aviation approvals as required.
- Part 21J (DOA) approved No. EASA.21J.452 / UK.21J.0087
- Part 21G (POA) approved No. IE.21G.0002
- Turnkey services to support airlines, aircraft leasing companies and OEMS for fleet transitions and modifications

CONTACT

- | | | | |
|--|--|--|------------------------|
| | Mr. Declan O'BRIEN | | 00 353 (0)61 471 800 |
| | 154 Shannon Industrial Estate, Co. Clare,
V14W984 Ireland | | eassales@etas.ie |
| | | | www.eirtechaviation.ie |



External DOA partners

Jana Inc.

OVERVIEW

For over half a century, JANA has provided the aerospace industry with superior engineering and technical data solutions that introduce modern capabilities, enhance operational efficiency, and sustain regulatory compliance. We are proud to have collaborated with some of the world's foremost Aircraft OEMs, operators, and integrators, to provide innovative engineering services and data products that optimise revenue fleet operations. JANA provides FAA/TCCA/EASA-certified systems upgrades, with kitting and all technical and operational manuals.

- JANA also provides end-to-end engineering support and aircraft data development and delivery services.
- Complete design data package development with manual supplements
- Avionics & electrical systems integration
- Installation Kits
- Primary & secondary structures/mechanical systems
- Interiors installation & reconfiguration/cargo handling products
- AI-based predictive maintenance tools
- Product development/manufacturing design – annunciation/control panels, relay switching units, integrated equipment shelves/racks and more.



REGIONAL COVERAGE

- United States and Mexico Offices: FAA STC/ODA Services, Installation Kits, Technical Publications
- Spain, Netherlands, and Singapore Offices: EASA STC Services, Installation Kits, Technical Publications.

KEY INFORMATION

JANA holds the following approvals,

- FAA Organization Design Authority (ODA-834704-SW)
- FAA Parts Manufacturing Approval (PQ0601SW)
- ISO 9001:2015 and AS9100D.
- EASA/TCCA partner company approvals for design and production

Turnkey upgrade solutions in support of Airlines, Lessors, A/C OEMs, and MROs.

CONTACT

- | | | | |
|--|--|--|-----------------------------------|
| | Mr. Tim WILLS (Spain office) | | +44 7792 176340 / +34 655 394 552 |
| | 1717 Universal City Blvd, Universal City, Texas 78148, USA | | atrsolutions@janacorp.com |
| | | | www.janacorp.com |



External DOA partners

PMV Engineering

OVERVIEW

PMV Engineering is an EASA approved Design Organisation (DOA 21J.487) for minor changes and STCs, as well as minor and major repairs.

With more than 20 years of involvement in aerospace, PMV Engineering' team provides time and cost-effective solutions for:

- Cabin interiors,
- Cabin systems & connectivity,
- Avionics modifications,
- External liveries,
- Aircraft structure and repairs,
- Environmental control systems,
- ATR Pax-to-Freighter conversions (Bulk Freighter with or without Large Cargo door (LCD)) on behalf of ACIA/ IPR Conversions (STC owner),
- Modifications associated kits and parts for small & large aircraft, either in commercial or VIP configuration thanks to a strong partnership with JVaeroservices.



REGIONAL COVERAGE

- PMV Engineering works with more than 300 customers around the world (aircraft manufacturers, lessors, OEMs, MROs and airlines).

KEY INFORMATION

- More than 800 minor and major modifications
- PART 21J (DOA) approved No. EASA.21J.487
- GCAA Design Organization approved No. DOA/132
- PART 21G (POA) with JVaeroservices No. FR.21G.0166
- PART 21G (POA Elec) with DoiT Platinum No. FR.21G.0341
- PART 145 with JVaeroservices No. FR.145.0378

CONTACT

- | | | | |
|--|--|--|-----------------------------|
| | Mr. Johann VENTADOUR | | +33 6 26 91 55 20 |
| | 60 Imp. de Varsovie, 82000 Montauban, France | | contact@pmv-engineering.com |
| | | | www.pmv-groupe.com |



External DOA partners

UUDS Aero *New*

OVERVIEW

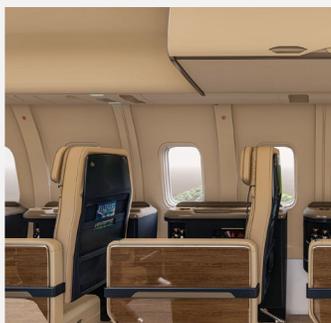
Since 1981, fully integrated Industrial leader in CABIN INTERIORS. **Turnkey solutions** for best passenger's experience.

Solutions :

- Cabin interiors Design
- Engineering development
- Certification
- Retrofit Programs
- Return to lease
- Spare Parts manufacturing
- MRO cabin
- Equipment Modification
- Refurbishment
- Safety and Medical modifications

Products :

- Monuments
- Panels, partitions, equipment
- LineFit BFE (build to print and build to spec)
- Spare parts
- Medical Equipment
- Cargo transport
- Connectivity



REGIONAL COVERAGE

- Engineering, Manufacturing and Maintenance sites
- 55 000 sqm facilities in France, Dubai, USA, India & China

KEY INFORMATION

UUDS AERO holds the following approvals:

- EASA & FAA Design Organization DOA (Minor and Major including STC)
- EASA, FAA, CAAC, GCAA Manufacturing Organization POA (full Cabin Interiors)
- EASA, FAA, CAAC, GCAA Maintenance Organization MOA (full Cabin Interiors)
- ISO9001, EN9100
- ECOVADIS

CONTACT

Mr. Stephane WOITOK
 +33 6 78 59 22 35
 12 rue du Meunier, ZAC du Moulin, 95700 Roissy En France, France
 info-aero@uuds.com
 www.aero.uuds.com



ATR

Cabin interiors



Cabin interiors

Cabin reconfiguration

DESCRIPTION

Aircraft cabin configuration can be modified to accommodate specific customer choices and operational needs, from high density to comfort configuration. Various solutions with different types of galleys and storages are available.

Configuration of Original, New Look and Armonia cabins is customizable from colour choice to general arrangement.



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	YES
ATR 72	ALL	-600 series	N/A	New Look	YES
				Armonia	YES

BENEFITS

- Higher per-flight profits due to increased aircraft capacity
- Fleet commonality in terms of passenger capacity



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY

PRE-REQUISITE

NONE

SEE ALSO

- VIP cabin configuration
- Cabin reconfiguration

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Equipment
- Instructions for continued airworthiness



Price

On quote



Weight

Depending on configuration



Lead time

Depending on configuration



Manpower

Depending on configuration

CONTACT



Subject to a possible specific adaptation to the relevant MSN.



Cabin interiors

VIP cabin configuration

DESCRIPTION

Reconfiguring VIP cabin or converting PAX cabin to VIP cabin.
New specific seats, sofas and monuments can be provided as well as refurbished ones.



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	YES
ATR 72	ALL	-600 series	N/A	New Look	YES
				Armonia	YES

BENEFITS

- Improved comfort for specific requirements



**OPERATIONAL
COSTS SAVINGS**



**MAINTENANCE
COSTS SAVINGS**



**OPERATIONAL
BOOST**



**PASSENGER
COMFORT**



**CREW
EFFICIENCY**



PRE-REQUISITE

NONE

SEE ALSO

- Cabin reconfiguration

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Equipment
- Instructions for continued airworthiness



Price

On quote



Weight

Depending on configuration



Lead time

Depending on configuration



Manpower

Depending on configuration

CONTACT



Subject to a possible specific adaptation to the relevant MSN.

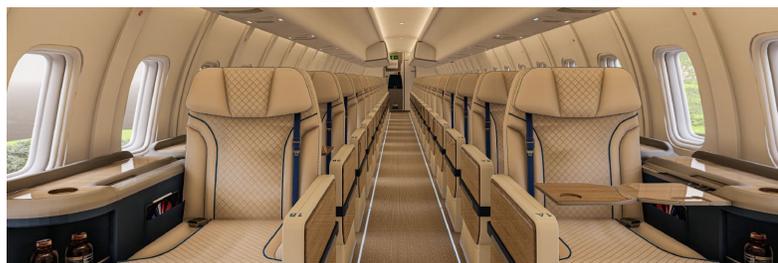


Cabin interiors New

All-Business class configuration

DESCRIPTION

ATR aircraft are ideally sized to host up to 30 passengers with all-business class configuration in unique 1-by-1 seating arrangements. This configuration set a new offer for corporations, hotels & resorts and semi-private carriers, willing to deliver regional experiences that exceed commercial first-class, are more accessible than private aviation and are more responsible.



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	YES
ATR 72	ALL	-600 series	N/A	New Look	YES
				Armonia	YES

BENEFITS

- Improved comfort for specific requirements



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

NONE

SEE ALSO

- VIP Cabin reconfiguration

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Equipment
- Instructions for continued airworthiness



Price

On quote



Weight

Depending on configuration



Lead time

Depending on configuration



Manpower

Depending on configuration

CONTACT



Subject to a possible specific adaptation to the relevant MSN.



Cabin interiors

Exit signs replacement

DESCRIPTION

Replace or modify the exit lenses in the aircraft cabin.
The solution is available in various languages and pictograms.



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	YES
ATR 72	ALL	-600 series	N/A	New Look	YES
				Armonia	YES

BENEFITS

- Fleet commonality
- Compliance to local authorities regulations
- Aircraft transition



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

NONE

SEE ALSO

- Placards & markings replacement

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Equipment
- Instructions for continued airworthiness



Price

On quote



Weight

Depending on configuration



Lead time

Depending on configuration



Manpower

Depending on configuration

CONTACT



Subject to a possible specific adaptation to the relevant MSN.



Cabin interiors

Placards & markings replacement

DESCRIPTION

Replace partial or complete set of interior placards and markings. The solution is available in various languages and pictograms. Placards categories:

- Mandatory placards
- Sanitary measures
- Passengers and Crew recommendations



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	YES
ATR 72	ALL	-600 series	N/A	New Look	YES
				Armonia	YES

BENEFITS

- Fleet commonality
- Compliance to local authorities regulations
- Aircraft transition



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

NONE

SEE ALSO

- Exit signs replacement
- Decorative laminate replacement

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Instructions for continued airworthiness



Price

From \$ 3,000



Weight

Depending on configuration



Lead time

3 weeks



Manpower

Depending on configuration

CONTACT



Subject to a possible specific adaptation to the relevant MSN.

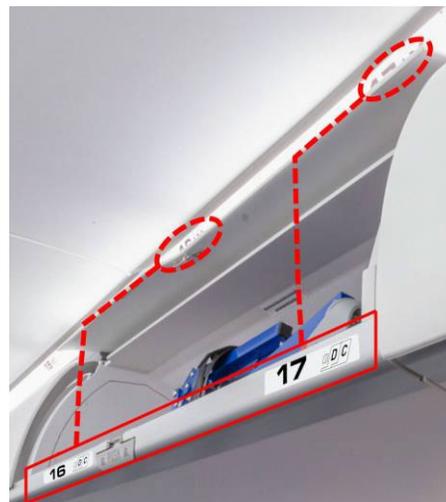


Cabin interiors

Additional seat row numbering placards

DESCRIPTION

This modification consists in installing additional seat row numbering placards on the lower edge of the overhead storage compartments to enhance the visibility of the seats ID when the overhead bin door is open.



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	YES
ATR 72	ALL	-600 series	N/A	New Look	YES
				Armonia	YES

BENEFITS

- Improve passengers' boarding conditions
- Reduce turn around time



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

NONE

SEE ALSO

- Exit signs replacement

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Instructions for continued airworthiness



Price

From \$ 5,000



Weight

No impact



Lead time

4 weeks



Manpower

1 to 2 hours

CONTACT

ECM
Engineering Conception Maintenance

Subject to a possible specific adaptation to the relevant MSN.



Cabin interiors

Emergency equipment replacement & relocation

DESCRIPTION

Relocate, replace, remove or add emergency equipment:

- Extinguisher
- First aid kit
- Megaphone
- Flashlight
- Life vest
- Seat belt
- Firefighting gloves
- Portable ELT



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	YES
ATR 72	ALL	-600 series	N/A	New Look	YES
				Armonia	YES

BENEFITS

- Optimize equipment disposal in the cabin
- Aircraft transition
- Compliance to local authorities regulations



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

NONE

SEE ALSO

- Halon free extinguisher for pre-Armonia cabins
- Halon free extinguisher for Armonia cabins

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Equipment
- Instructions for continued airworthiness



Price

From \$ 3,000



Weight

Depending on configuration



Lead time

3 weeks



Manpower

Depending on configuration

CONTACT



Subject to a possible specific adaptation to the relevant MSN.



Cabin interiors

Automated External Defibrillator installation

DESCRIPTION

EASA AMC1 CAT.IDE.A.220 (b) (4) stipulates that the aircraft operators having at least one cabin crew should carry Automated External Defibrillator (AED) on board. This solution consists in the installation of provisions (brackets and placards) to allow the installation of an AED that will not exceed 4 kg.

External DOA Partner will assist you to:

- Select the right model of AED to be installed (with battery pack ETSO C142b compliant)
- Define the area where the AED shall be installed (within fully enclosed compartment)
- Design the installation kit to secure the AED
- Re-locate other emergency equipment if needed



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	YES
ATR 72	ALL	-600 series	N/A	New Look	YES
				Armonia	YES

BENEFITS

- Improve medical emergency support on board
- Comply with EASA AMC 1 CAT IDE A 220



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

NONE

SEE ALSO

- Emergency equipment replacement and relocation

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Equipment
- Instructions for continued airworthiness



Price

From \$ 4,000



Weight

4 kg max.



Lead time

From 4 weeks



Manpower

2 hours

CONTACT

ECM
Engineering Conception Maintenance

Subject to a possible specific adaptation to the relevant MSN.

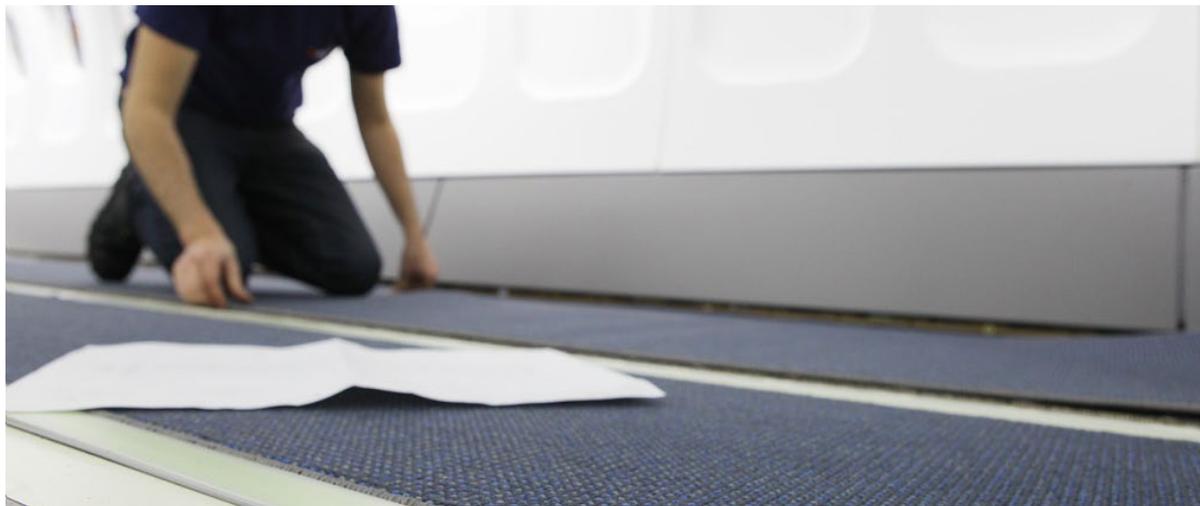


Cabin interiors

Floor covering replacement

DESCRIPTION

Replace or install textile or non-textile floor covering and path markings in passenger cabin, entry area or flight deck. Solution available in various patterns and colours.



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	YES
ATR 72	ALL	-600 series	N/A	New Look	YES
				Armonia	YES

BENEFITS

- Improve cabin comfort
- Fleet commonality
- Aircraft transition



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

NONE

SEE ALSO

- Seats replacement, refurbishing & repair
- Seat covers replacement

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Equipment
- Instructions for continued airworthiness



Price

On quote



Weight

Depending on configuration



Lead time

Depending on configuration



Manpower

Depending on configuration

CONTACT



Subject to a possible specific adaptation to the relevant MSN.



Cabin interiors

Seats replacement, refurbishing and repair

DESCRIPTION

The modification offers solutions such as;

- Seats replacement
- Seats refurbishing
- Seats repair
- Seat belt replacement
- Foam replacement
- Seat cushion replacement
- Soft plastic replacement
- Front and rear stud inspection, etc.



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	YES
ATR 72	ALL	-600 series	N/A	New Look	YES
				Armonia	YES

BENEFITS

- Improve cabin comfort
- Fleet commonality
- Airline differentiation



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY

PRE-REQUISITE

NONE

SEE ALSO

- Floor covering replacement
- Seat covers replacement

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Equipment
- Instructions for continued airworthiness



Price

On quote



Weight

Depending on configuration



Lead time

Depending on configuration



Manpower

Depending on configuration

CONTACT



Subject to a possible specific adaptation to the relevant MSN.

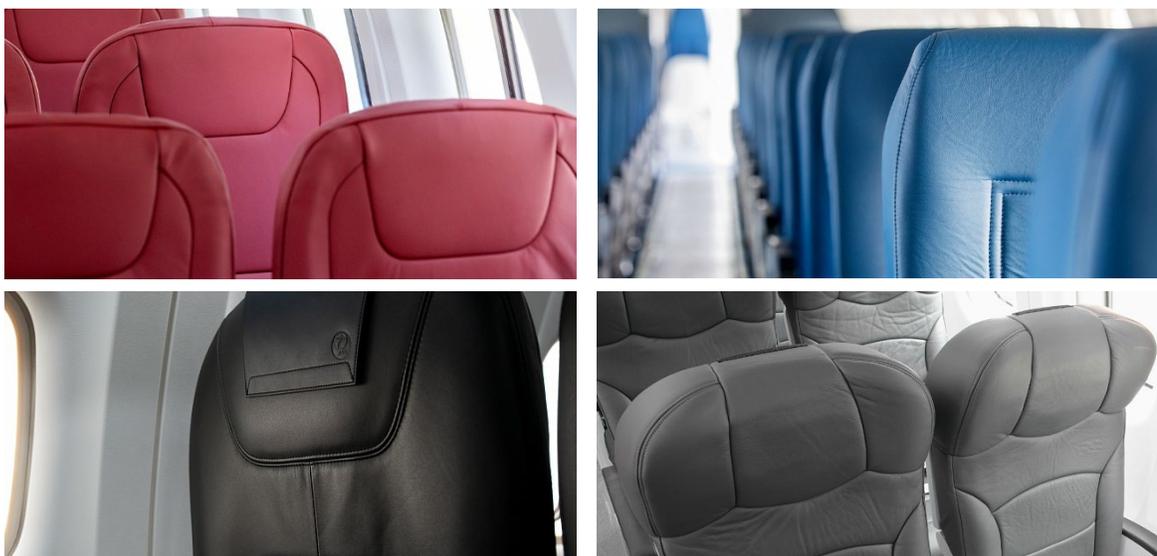


Cabin interiors

Seat covers replacement

DESCRIPTION

Replace seat covers (leather or fabric material).
The solution is available in various patterns, quality and colours.



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	YES
ATR 72	ALL	-600 series	N/A	New Look	YES
				Armonia	YES

BENEFITS

- Improve cabin comfort and passenger experience
- Fully customizable
- Fleet commonality



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

NONE

SEE ALSO

- Floor covering replacement
- Seats replacement, refurbishing and repair

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Instructions for continued airworthiness



Price

On quote



Weight

Depending on configuration



Lead time

Depending on configuration



Manpower

Depending on configuration

CONTACT



Subject to a possible specific adaptation to the relevant MSN.



Cabin interiors

Decorative laminate replacement

DESCRIPTION

Replace or install decorative films onto cabin partitions and monuments. This solution is available in various colours, and customized decoration. In addition, a large option of suppliers can be advised or proposed by the operator.



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	YES
ATR 72	ALL	-600 series	N/A	New Look	YES
				Armonia	YES

BENEFITS

- Provide a fully customizable interior look
- Fleet commonality
- Aircraft transition



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

NONE

SEE ALSO

- Placards and markings replacement

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Instructions for continued airworthiness



Price

On quote



Weight

Depending on configuration



Lead time

2 weeks



Manpower

24 hours

CONTACT



Subject to a possible specific adaptation to the relevant MSN.



Cabin interiors

Oversize luggage in forward cargo hold



DESCRIPTION

Modify layout arrangement in forward cargo hold in all cabins in order to transport massive objects such as:

- Coffins (Compliance to IATA Airport Handling Manual (AHM))
- Musical instruments
- Surfboard and longboard
- Bicycles (Mountain bikes)
- Ski equipment
- Etc.



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	YES
ATR 72	ALL	-600 series	N/A	New Look	YES
				Armonia	YES

BENEFITS

- Improve transportation capabilities for specific requirements
- Enhanced logistics management



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

NONE

SEE ALSO

- Cargo flex 2.0

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Instructions for continued airworthiness
- Equipment



Price

On quote



Weight

Depending on configuration



Lead time

Depending on configuration



Manpower

Depending on configuration

CONTACT



Subject to a possible specific adaptation to the relevant MSN.



Cabin interiors

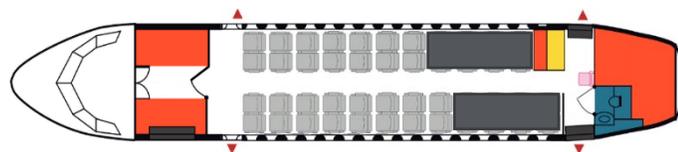
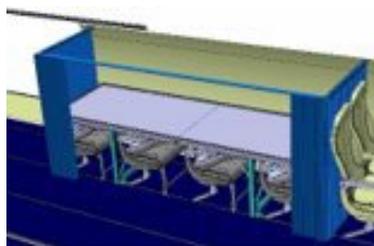
Oversize item transportation in Cabin



DESCRIPTION

Some long items cannot be transported in the current cargo compartments. This modification allows to transport those oversized items on a transportation device including a pallet equipped with cargo net and installed on a dedicated structure, either on LH or/and RH sides.

This transportation device, considered as "Class A" compartment, will carry items up to 250cm length and 230kg payload. A privacy enclosure to hide the transported oversized items from passengers' view will be provided by a curtain.



Transportation device with:

- Cargo Net interfaces all around the pallet
- Curtain
- Structure installed on seat tracks

APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	YES
ATR 72	ALL	-600 series	N/A	New Look	YES
				Armonia	YES

BENEFITS

- Improve transportation capabilities for items up to 250cm length and 230kg payload



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

Last 4 seat rows with breakover position capability.

SEE ALSO

- Cargo Flex 2.0
- ATR Service Bulletin to install foldable bulkhead

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Instructions for continued airworthiness
- Equipment



Price

From \$ 250,000 for 1 "Class A" compartment configuration



Weight

< 45 kg



Lead time

Depending on configuration



Manpower

15 min for one device

CONTACT

ECM
Engineering Conception Maintenance

Subject to a possible specific adaptation to the relevant MSN.



Cabin interiors

Halon free extinguishers for pre-Armonia cabins



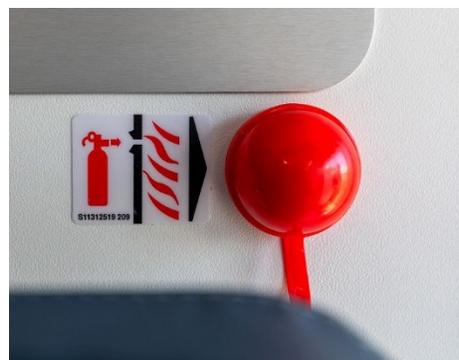
DESCRIPTION

The ICAO and European Regulation N° 744/2010 deadlines:

- 31st of December 2018 on the new aircraft (forward fit)
- Before end of 2025 on the aircraft in service (retrofit)

This recommendation has become a requirement in EASA regulation (Europe), and in some other National Airworthiness Authorities (NAA of Japan for example).

The modification consists in replacing the cabin halon fire extinguishers by portable Ümlaut extinguishers (P3 Hafex). The upgrade solution entails a modification of diffusers and adaptors in AFT cargo area.



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	YES
ATR 72	ALL	-600 series	N/A	New Look	YES
				Armonia	NO

BENEFITS

- Compliance with ICAO recommendation and local authorities regulations
- Environment friendly



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

NONE

SEE ALSO

- Placards and markings replacement
- Halon free extinguishers for Armonia cabins

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Equipment
- Instructions for continued airworthiness



Price

Depending on configuration



Weight

Depending on configuration



Lead time

Depending on configuration



Manpower

Depending on configuration

CONTACT



Subject to a possible specific adaptation to the relevant MSN.



Cabin interiors

Partition protections in cargo areas



DESCRIPTION

This solution consist in the installation of :

- Protection against impact on partitions in both AFT and FWD cargo areas
- Panel edge caps to the Forward Cargo Hold panel exposed edges



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	YES
ATR 72	ALL	-600 series	N/A	New Look	YES
				Armonia	YES

BENEFITS

- Partitions protected against luggage impacts
- Reduce repair rate on partitions



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

NONE

SEE ALSO

- Cargo area floor covering

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Instructions for continued airworthiness



Price

On quote



Weight

Depending on configuration



Lead time

Depending on configuration



Manpower

Depending on configuration

CONTACT



Subject to a possible specific adaptation to the relevant MSN.



Cabin interiors

Linings protections in cargo areas

DESCRIPTION

This solution consist in the installation of an additional liner (made from Gillfab@1367A) on the existing linings to protect them from impact in both AFT and FWD cargo areas. This solution can be adapted to various configurations depending on operational requirements.



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	YES
ATR 72	ALL	-600 series	N/A	New Look	YES
				Armonia	YES

BENEFITS

- Partitions protected against luggage impacts
- Reduce repair rate on partitions
- Easy installation



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY

PRE-REQUISITE

NONE

SEE ALSO

- Cargo area floor covering

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Instructions for continued airworthiness



Price

From \$ 5,000



Weight

1.42kg per sqm



Lead time

5 weeks



Manpower

Depending on configuration

CONTACT

ECM
Engineering Conception Maintenance

Subject to a possible specific adaptation to the relevant MSN.



Cabin interiors

Multiple medical stretchers transportation



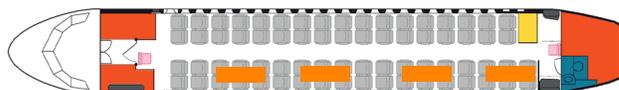
DESCRIPTION

This modification allows the installation from 1 to 3 stretcher carriers aboard ATR42 and from 1 to 4 in an ATR72 for medical evacuation flights.

The stretchers must be qualified for ATR42/72 through an ETSO. PMV Engineering can recommend airworthy equipment.

Emergency equipment layout, flight crew and cabin crew procedures are adapted to these medical evacuation flights that allows medical crew to be next to the patient.

Example of configuration with 4 stretchers in an ATR 72



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	YES
ATR 72	ALL	-600 series	N/A	New Look	YES
				Armonia	YES

BENEFITS

- Several evacuations are possible simultaneously
- Easy and quick Installation above the passenger seats



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

NONE

SEE ALSO

- ATR Service Bulletin to install foldable bulkhead
- ATR Service Bulletin for quick disconnect front partition

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Equipment in option (stretcher)
- Instructions for continued airworthiness



Price

From \$ 10,000



Weight

Approx. + 5 kg



Lead time

8 weeks



Manpower

Approx. 4 hours

CONTACT

Subject to a possible specific adaptation to the relevant MSN.



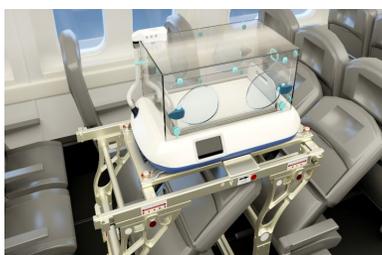
Cabin interiors ^{New}

Medical aircraft configuration



DESCRIPTION

Temporary or permanent installation (Quick change system). Installed on top of seats (standard legs) or with seats removed (short legs). Full ICU interfaces. Up to 200 kg Patients. Option with additional oxygen bottles installed.



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	YES
ATR 72	ALL	-600 series	N/A	New Look	YES
				Armonia	YES

BENEFITS

- Improved comfort for specific requirements



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

NONE

SEE ALSO

- Multiple medical stretchers transportation

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Equipment in option (stretcher)
- Instructions for continued airworthiness



Price

On quote



Weight

Depending on configuration



Lead time

Depending on configuration



Manpower

Depending on configuration

CONTACT



Subject to a possible specific adaptation to the relevant MSN.



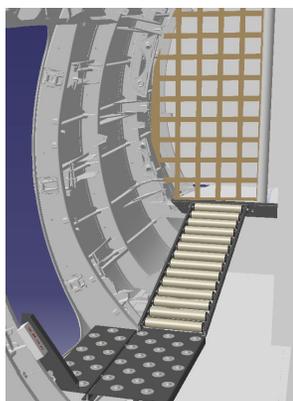
Cabin interiors

AFT cargo loading assistance system

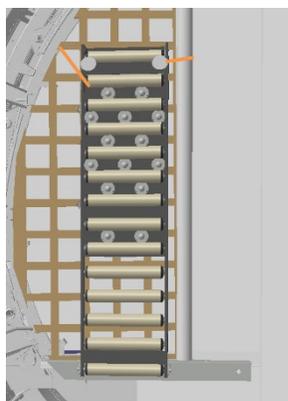
DESCRIPTION

The cargo loading assistance system allows easy loading and unloading phases in the AFT cargo compartment for both ATR 42 and ATR 72 aircraft models. This solution permits to convey the luggage from the service door to the upper rear cargo area bay.

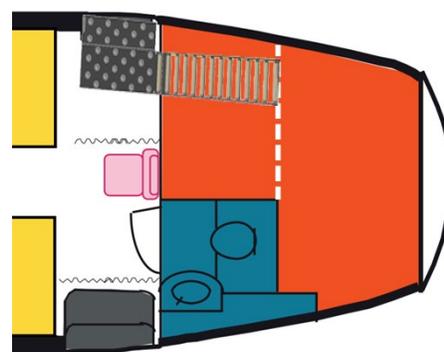
The system can be easily stored onboard on existing nets masts.



Loading position



Stored position



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	YES
ATR 72	ALL	-600 series	N/A	New Look	YES
				Armonia	YES

BENEFITS

- Improved working conditions for ground handling staff
- Loading time optimization
- Lower maintenance costs (preventing damages in cargo area)



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

NONE

SEE ALSO

- Partition protections in cargo areas
- Linings protections in cargo areas

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Instructions for continued airworthiness



Price

From \$ 20,000



Weight

< 10 kg



Lead time

6 weeks



Manpower

2 to 4 hours

CONTACT

ECM
Engineering Conception Maintenance

Subject to a possible specific adaptation to the relevant MSN.



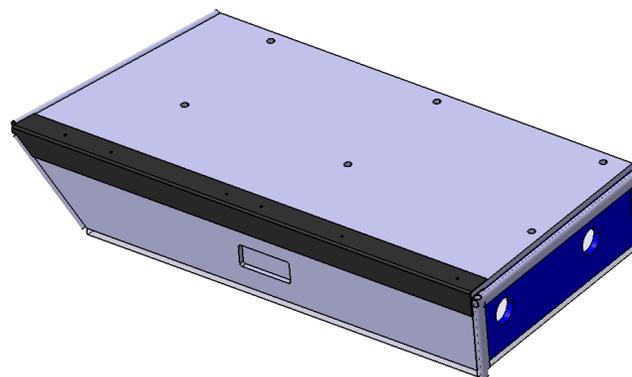
Cabin interiors

Enhanced accessibility to AFT cargo

DESCRIPTION

This modification consists in installing a platform between the longitudinal partition of the lavatory, the AFT cargo bay step and the outboard lining. This platform allows a better accessibility to the AFT cargo bay improving the working environment for the loaders.

This additional step reduces the maximum lifting height over the loaders' shoulders, which mitigates musculo-skeletal disorders in the neck/shoulder areas.



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	YES
ATR 72	ALL	-600 series	N/A	New Look	YES
				Armonia	YES

BENEFITS

- Improved working conditions for ground handling staff
- Health, Safety and Working conditions benefits



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

NONE

SEE ALSO

- Partition protections in cargo areas
- Linings protections in cargo areas

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Equipment
- Instructions for continued airworthiness



Price

From \$ 15,000



Weight

< 15 kg



Lead time

4 months



Manpower

2 to 4 hours

CONTACT

ECM
Engineering Conception Maintenance

Subject to a possible specific adaptation to the relevant MSN.



Cabin interiors

Attendant handset protection case

DESCRIPTION

Attendant handset can suffer from falling during cargo loading and unloading phases. This solution consists in the installation of a protective case made from foam and leather to avoid damages in case of impact on ground or on partition.



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	YES
ATR 72	ALL	-600 series	N/A	New Look	YES
				Armonia	YES

BENEFITS

- Removal rate reduction



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

NONE

SEE ALSO

NONE

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Instructions for continued airworthiness
- Equipment



Price

From \$ 6,500 for fleet + \$ 800 per kit



Weight

Negligible



Lead time

4 weeks



Manpower

0,5 hour

CONTACT

ECM
Engineering Conception Maintenance

Subject to a possible specific adaptation to the relevant MSN.



Cabin interiors

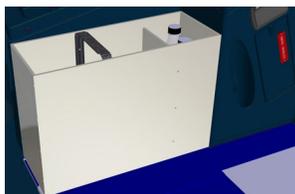
Cockpit stowage box for flight crew

DESCRIPTION

This modification consists in installing a side storage box for both captain and first officer in the ATR cockpit. The interior arrangement of the box is fully customizable.

The box interior characteristics are :

- 460mm x 170mm x 340mm (L x W x H)
- Max payload 7kg



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	YES
ATR 72	ALL	-600 series	N/A	New Look	YES
				Armonia	YES

BENEFITS

- Provide secured stowage facility for flight crew belongings.



**OPERATIONAL
COSTS SAVINGS**



**MAINTENANCE
COSTS SAVINGS**



**OPERATIONAL
BOOST**



**PASSENGER
COMFORT**



**CREW
EFFICIENCY**



PRE-REQUISITE

NONE

SEE ALSO

NONE

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Equipment
- Instructions for continued airworthiness



Price

From \$ 15,000



Weight

< 2,5 kg per box



Lead time

3 months



Manpower

2 to 4 hours

CONTACT

ECM
Engineering Conception Maintenance

Subject to a possible specific adaptation to the relevant MSN.



ATR

Connectivity



Connectivity

Universal cradle for EFB tablets



DESCRIPTION

USB Cockpit Power and Universal Cradle can be considered individually or as a package.

Universal Cradle for EFB Tablets - The move towards the Electronic Flight Bag (EFB) has driven the demand for safe, secure mounting options for iPads and other tablet devices in the working cockpit area for both Captain and First Officer. This solution installs a flexible, versatile, fixed cockpit mounting solution for EFB Class III.

USB Cockpit Power - Installation of dual USB outlets (15w or 60w) in the cockpit (Captain and F/O). These dual USB ports (A and/or C) can be used to charge portable electronic devices (PEDs) i.e. iPads or other equivalent tablet devices being used for Electronic Flight Bag (EFB).



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	YES	Original	N/A
ATR 72	ALL	-600 series	YES	New Look	N/A
				Armonia	N/A

BENEFITS

- Large range of tablet compatibility
- Easy to use last models of tablet without aircraft modification
- Compatibility with provisions installed through ATR iPads solutions



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

NONE

SEE ALSO

- EFB Class II – iPad capability

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Equipment
- Instructions for continued airworthiness



Price

On quote



Weight

< 3 Kg for EFB mount
< 1 Kg for Cockpit USB power



Lead time

From 3 weeks



Manpower

From 5 to 16 hours
(depending on configuration)

CONTACT



Subject to a possible specific adaptation to the relevant MSN.



Connectivity

Standalone Wi-Fi IFE

DESCRIPTION

In-Flight Entertainment (IFE) system is one among many services that on-board Wi-Fi servers can deliver. PMV can support you at every stage of your IFE project with a turnkey solution, starting with your high-level requirements to daily management on your behalf.

More in details, closely with PMV, you will be able to:

- Select the most accommodate standalone Wi-Fi IFE product for your needs;
- Customize passengers and crew portals to appear on Personal Electronic Devices;
- Select and manage the contents of your IFE system with movies, audio, magazines...
- Monetize your contents through commercial partnership as an example;



Content management can be proposed by PXcom



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	-500 / -600	Legacy	N/A	Original	YES
ATR 72	ALL	-600 series	N/A	New Look	YES
				Armonia	YES

BENEFITS

- Elevated passenger experience
- Boost your airline ancillary revenues
- Operational cost savings



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

ATR IFE wireless streaming capability (TPED Tolerance)

SEE ALSO

- ATR Aircraft tolerance with T-PED Wi-Fi

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Equipment
- Instructions for continued airworthiness



Price

On quote



Weight

Mini 2 kg per box + 0.7 kg batteries when applies



Lead time

Max 16 weeks



Manpower

Depending on configuration

CONTACT



Subject to a possible specific adaptation to the relevant MSN.

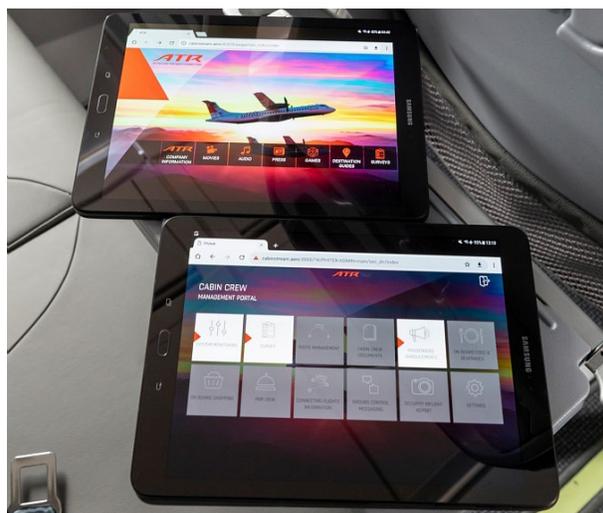


Connectivity

In-seat power supply

DESCRIPTION

Install in-seat power supply (USB port) and associated aircraft hardware



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	YES
ATR 72	ALL	-600 series	N/A	New Look	YES
				Armonia	YES

BENEFITS

- Improve cabin comfort and passenger experience
- Fully customizable
- Fleet commonality



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

NONE

SEE ALSO

- Standalone Wi-Fi IFE
- ATR Aircraft tolerance with T-PED Wi-Fi

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Instructions for continued airworthiness
- Equipment



Price

On quote



Weight

Depending on configuration



Lead time

Depending on configuration



Manpower

Depending on configuration

CONTACT



Subject to a possible specific adaptation to the relevant MSN.



Connectivity

Starlink® cabin connectivity



DESCRIPTION

This solution consists in installing a system that proposes the world's most advanced broadband Satellite internet with high-speed. With a service that reflects passengers' home experience, you will be able to send text and e-mails, stream video platforms, join online calls and surf on social networks.

System architecture is composed of a tile antenna, a power supply unit and two WAP to broadcast Wi-Fi in the cabin. Data connection service is directly managed by SpaceX.



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	YES	Original	YES
ATR 72	ALL	-600 series	YES	New Look	YES
				Armonia	YES

BENEFITS

- Elevated passenger experience
- Boost your airline ancillary revenues
- Operational cost savings



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

ATR IFE wireless streaming capability (TPED Tolerance)

SEE ALSO

- ATR Aircraft tolerance with T-PED Wi-Fi

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Equipment
- Instructions for continued airworthiness



Price

From \$ 250,000



Weight

25 kg



Lead time

Depending on configuration



Manpower

Depending on configuration

CONTACT

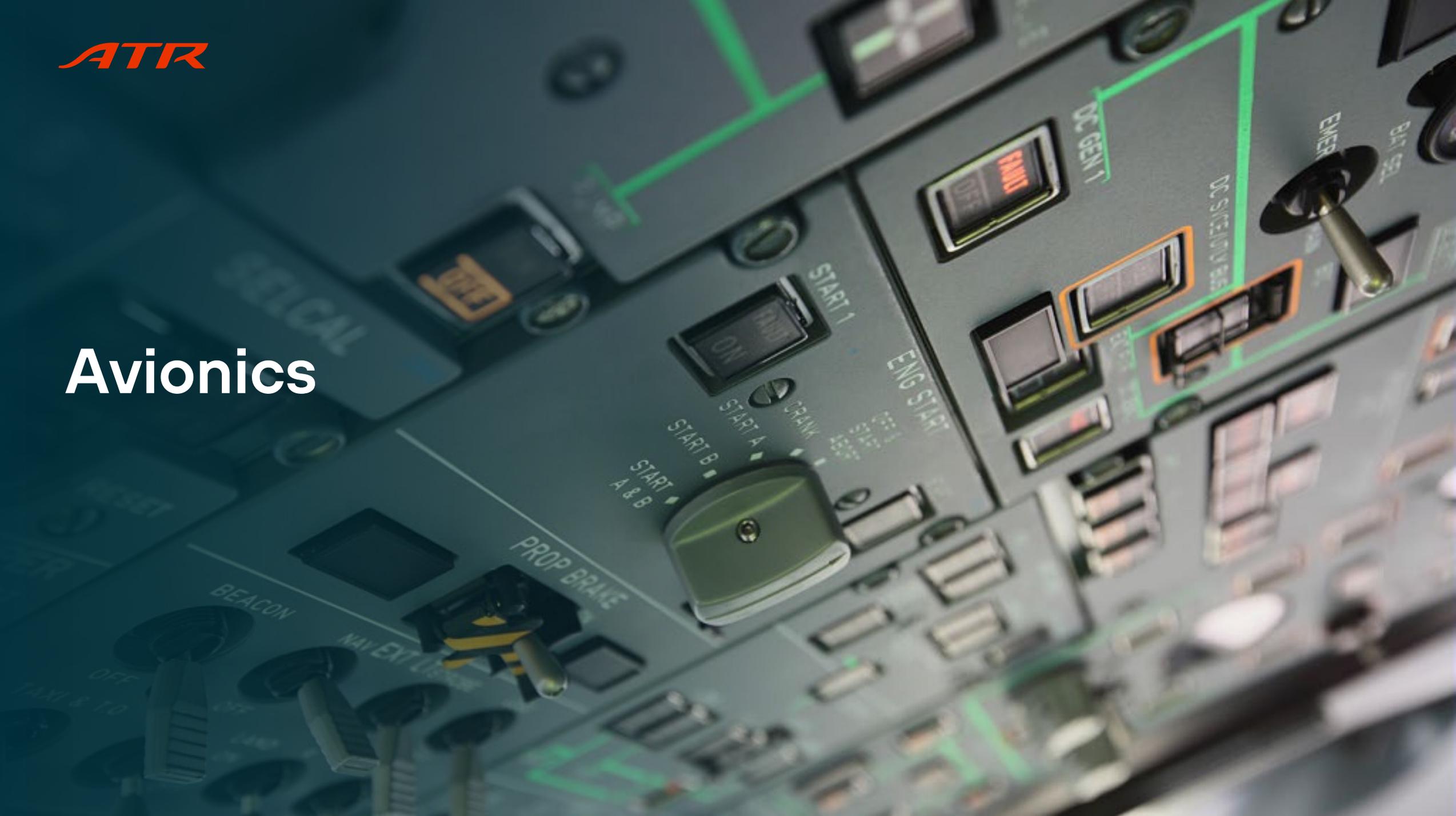


Subject to a possible specific adaptation to the relevant MSN.



ATR

Avionics



Avionics

Temporary HF for legacy ferry flights



DESCRIPTION

Aircraft with no need for HF system during daily operations can require to have a temporary HF system installed during ferry flights for transition or maintenance purpose.

This solution consists in the Installation of a temporary HF system in order to enable ferry flights over desert or oceanic areas in accordance with current ETOPS regulation.

This modification installs a customized HF-9000D system. The equipment are installed on the existing provisions and plugged together using wire harness already terminated.

The pre-requisite for this solution is the HF2 Antenna already installed. Standard lease period is for 21 days.



Modification developed and supported by our DOA partner PMV Engineering



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	YES	Original	N/A
ATR 72	ALL	-600 series	NO	New Look	N/A
				Armonia	N/A

BENEFITS

- Easy and quick installation / removal
- Easy set-up
- Answer to ETOPS regulation



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

HF2 Antenna installed

SEE ALSO

- Single Collins HF 9000 installation

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Equipment
- Instructions for continued airworthiness



Price

From \$ 17,000



Weight

N/A (temporary installation)



Lead time

4 weeks



Manpower

7 hours install (7h removal)

CONTACT



Material Operations

spares.project@atr-aircraft.com

+33 (0) 5 62 21 90 34

Subject to a possible specific adaptation to the relevant MSN.



Avionics

Legacy avionics suite upgrade



DESCRIPTION

The solution consists in removing single or dual Honeywell HT-1000 or Bendix King KLN 90B FMS and installing Universal Avionics UNS-1Lw FMS.

Universal Avionics UNS-1Lw FMS adds A-RNP & RNP APCH Performance-Based Navigation (PBN) specifications and a satellite-based Augmentation System (SBAS) to replace the existing FMS solution.

The existing single or dual Control Display Unit (CDU) installed in the Forward Pedestal is removed and replaced with a Multifunction Control Display Unit (MCDU) ((E)TSO-C113), to provide the pilot with all the controls necessary to communicate with the UNS-1Lw Navigation Computer Unit (NCU) and all associated navigation sensors. Upgrading to a new SBAS FMS ensures long-term reliability and supports efficient cost management for operators



UNIVERSAL™ AVIONICS
 an Elbit Systems Company

APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	YES	Original	N/A
ATR 72	ALL	-600 series	NO	New Look	N/A
				Armonia	N/A

BENEFITS

- Compatibility with all ADS-B Out solutions, including the ATR ADS-B Out Service Bulletin



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

ADS-B Out DO260B Solution

SEE ALSO

- ADS-B Out DO260B for Legacy Series

PACKAGE CONTENT

- Engineering Package (Design Data Package / STC)
- Manual supplements
- Installation kit
- Equipment
- Instructions for continued airworthiness



Price

From \$ 140,000



Weight

+ 14 kg



Lead time

12 weeks



Manpower

100 hours

CONTACT



Subject to a possible specific adaptation to the relevant MSN.



Avionics



LPV approach capability for Universal Avionics FMS

DESCRIPTION

For ATR 42/72 aircraft already installed with Universal Avionics UNS-1Fw/1Lw FMS (single or dual) and ADS-B functionality (ATR Service Bulletin or other solution).

If dual UNS FMS, already capable of LPV Approach capability. If a single UNS FMS, a Universal Avionics LPV Monitor, is installed in the Avionics Bay. Annunciators are installed on the Pilots' Panels.

Together, the LPV Monitor and SBAS-FMS provide the level of integrity required to provide LPV Approaches with a descent as low as 200-250 feet above the runway.



UNIVERSAL AVIONICS
 an Elbit Systems Company



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	YES	Original	N/A
ATR 72	ALL	-600 series	NO	New Look	N/A
				Armonia	N/A

BENEFITS

- LPV Approach capability with reduced approach minimums
- Ability to land at all airports without CAT I ILS



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY

PRE-REQUISITE

Single or dual Universal Avionics UNS-1Fw/Lw FMS with ADS-B installed

SEE ALSO

- Legacy avionics suite upgrade
- ADS-B Out DO260B for Legacy Series

PACKAGE CONTENT

- Engineering Package (Design Data Package / STC)
- Manual supplements
- Installation kit
- Equipment
- Instructions for continued airworthiness



Price

From \$ 120,000



Weight

+ 10 kg



Lead time

12 weeks



Manpower

100 hours

CONTACT



Subject to a possible specific adaptation to the relevant MSN.



Avionics

Bose ANR Boomset

DESCRIPTION

New Bose® A30 boomset (TSO-C139a) is proposed in replacement of Bose® A20 out of production or any other legacy boomset. It offers the following features :

The Bose A30 boomset is a communication headset with Active Noise Canceling (ANC) electronics. The headset accurately reproduces all communication signals provided by radios and intercoms while simultaneously attenuating ambient acoustic noise using passive techniques combined with active electronic control circuitry. The Bose A30 aviation headset meets or exceeds the minimum operating performance standards of FAA TSO-C139a.

When ANR is not yet implemented in the aircraft, the captain and first officer jack panels are modified to receive +28VDC on XLR5 plug.



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	YES	Original	N/A
ATR 72	ALL	-600 series	YES	New Look	N/A
				Armonia	N/A

BENEFITS

- Tackle obsolescence of Bose® A20



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

3 channels RCAU

SEE ALSO

- 3rd AUDIO CONTROL PANEL (ACP)

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Equipment
- Instructions for continued airworthiness



Price

From \$ 6,000



Weight

No impact



Lead time

8 weeks



Manpower

8 hours

CONTACT



Subject to a possible specific adaptation to the relevant MSN.



Avionics *New*



Cockpit Voice Recorder with 25h recording capability

DESCRIPTION

New FAA-registered aircraft must be equipped with cockpit voice recorders that can record for a minimum of 25 hours, from the current requirement for a minimum recording capacity of 2 hours. This regulation will apply soon to all in-service FAA-registered aircraft. The flight recorder (280 series) product line is a direct replacement for the FA-2100 CVR and meets all EUROCAE ED-112A requirements for all aircraft classes in CVFDR or standalone FDR or CVR requirements, including 25 hours cockpit audio.

Standard CVR features include:

- 4 Channel audio (ARINC 557 or ARINC 757 levels)
- 3 channel flight crew
- Control panel with cockpit area microphone
- 10 mins Recorder Independent Power Supply
- 25-hour recording duration
- ½ ATR, ARINC-404 short case form factor
- Options for ARINC 557, 757 or 757A interconnects
- Datalink Input – ARINC429 automatic low/high speed



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	YES	Original	N/A
ATR 72	ALL	-600 series	YES	New Look	N/A
				Armonia	N/A

BENEFITS

- Comply with FAA regulation
- 10 mins Recorder Independent Power Supply (embedded in LRU)



OPERATIONAL
COSTS SAVINGS



MAINTENANCE
COSTS SAVINGS



OPERATIONAL
BOOST



PASSENGER
COMFORT



CREW
EFFICIENCY

PRE-REQUISITE

NONE

SEE ALSO

NONE

PACKAGE CONTENT

- Engineering Package (Design Data Package / STC)
- Installation kit
- Manual supplements
- Equipment
- Instructions for continued airworthiness



Price

From \$ 35,000



Weight

No impact



Lead time

12 weeks



Manpower

25 hours

CONTACT



Subject to a possible specific adaptation to the relevant MSN.



Avionics *New*

Lithium-Ion batteries



DESCRIPTION

This solution consists of replacing current Ni-Cad or Lead Acid batteries with lithium-ion ones. This upgrade enables faster and cooler engine starts. The Main and Aux batteries are maintenance-free, lowering operational costs, and offer an extended service life of up to 10 years. Cold weather performance is significantly improved thanks to a built-in heater that warms the battery from -40°C to 0°C in approximately 15 minutes. The retrofit results in an estimated 50 lb. (22.7 kg) weight reduction after installation adjustments. Battery status is monitored via a dedicated panel which displays real-time information for both the main and emergency batteries.



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	YES	Original	N/A
ATR 72	ALL	-600 series	YES	New Look	N/A
				Armonia	N/A

BENEFITS

- Faster, cooler engines start
- Better cold weather performance
- No servicing or maintenance of the batteries



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

NONE

SEE ALSO

NONE

PACKAGE CONTENT

- Engineering Package (Design Data Package / STC)
- Manual supplements
- Installation kit
- Equipment
- Instructions for continued airworthiness



Price

From \$ 70,000



Weight

- 23 Kg.



Lead time

14 weeks



Manpower

100 hours

CONTACT



Subject to a possible specific adaptation to the relevant MSN.



Avionics *New*



GPS/FMS protection from Jamming/Spoofing

DESCRIPTION

The Jamming of incoming GPS reception, where the navigation performance of the FMS is completely negated, is becoming more prevalent in many regions of the world, where both passenger and cargo aircraft routings are affected when overflying conflict zones or simply, countries seeking to disrupt safe aircraft flight operations. In addition, GPS Spoofing is also affecting the accuracy of aircraft navigation, whereby the FMS positional information is intentionally rendered incorrect by the spoofer to deceive the flight crews with erroneous positional data. This also affects other systems, such as EGPWS, which can be very flight safety critical.

The JANA (with Chelton UK) anti-jamming solution offered for all ATR aircraft is to introduce a protected system that includes an antenna called a Controlled Reception Pattern Array (CRPA), and a processing electronics unit that suppresses jamming/spoofing called a Digital Antenna Control Unit (DACU), and these are integrated with the existing Flight Management System (FMS).



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	YES	Original	N/A
ATR 72	ALL	-600 series	NO	New Look	N/A
				Armonia	N/A

BENEFITS

- 100% accurate navigation performance.
- Fewer go-arounds and diversions.
- Increased flight safety.



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

NONE

SEE ALSO

NONE

PACKAGE CONTENT

- Engineering Package (Design Data Package / STC)
- Manual supplements
- Installation kit
- Equipment
- Instructions for continued airworthiness



Price

From \$ 75,000



Weight

5 Kg.



Lead time

14 weeks



Manpower

100 hours

CONTACT



Subject to a possible specific adaptation to the relevant MSN.



ATR

Liveries



Liveries

Technical markings

DESCRIPTION

Install or replace technical markings on aircraft.
The markings are available in various languages



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	N/A
ATR 72	ALL	-600 series	N/A	New Look	N/A
				Armonia	N/A

BENEFITS

- Improve technical visibility in order to decrease maintenance workloads
- Compliance to local authorities regulations
- Aircraft transition



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

NONE

SEE ALSO

- White & Customized liveries

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Instructions for continued airworthiness



Price

On quote



Weight

Depending on configuration



Lead time

Depending on configuration



Manpower

Depending on configuration

CONTACT



Subject to a possible specific adaptation to the relevant MSN.



Liveries

White & customized liveries

DESCRIPTION

Provide liveries to aircraft such as customized livery, special livery, white livery, decals, etc.



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	N/A
ATR 72	ALL	-600 series	N/A	New Look	N/A
				Armonia	N/A

BENEFITS

- Improve airline visibility
- Fleet commonality
- Aircraft transition



**OPERATIONAL
COSTS SAVINGS**



**MAINTENANCE
COSTS SAVINGS**



**OPERATIONAL
BOOST**



**PASSENGER
COMFORT**



**CREW
EFFICIENCY**



PRE-REQUISITE

NONE

SEE ALSO

- Technical markings

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Instructions for continued airworthiness



Price

From \$ 3,000



Weight

Depending on configuration



Lead time

Depending on configuration



Manpower

Depending on configuration

CONTACT



Subject to a possible specific adaptation to the relevant MSN.



ATR

Fuselage protections



Fuselage protections

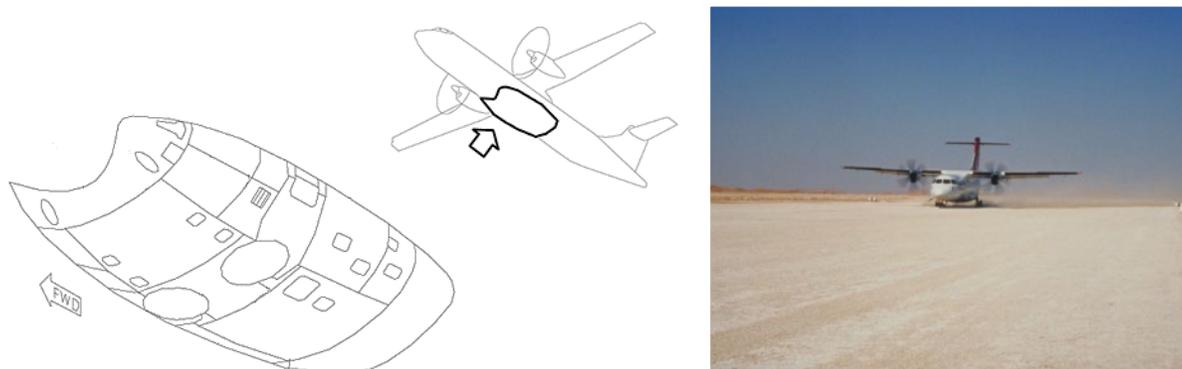
Belly Fairing protection for unpaved runways



DESCRIPTION

The solution consists of providing protection to the Belly Fairing by replacing the Marbill® coating proposed in the ATR Service Bulletin by an alternate material, 3M Tape. The 3M tape is available in various colours but can also be painted in accordance with the existing livery. (The tape is not included in solution price).

The ATR Service Bulletin is a mandatory pre-requisite to allow operations on unpaved runways (dry, wet or contaminated) through the update of operational documentation.



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	N/A
ATR 72	ALL	-600 series	N/A	New Look	N/A
				Armonia	N/A

BENEFITS

- Compliance with local regulations
- No panel removal, on-aircraft modification
- Maintenance reduction costs (due to reduction of the damage risks)



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

ATR Service Bulletin to Install protections for operations on unpaved runways

SEE ALSO

- Protection for operations on Unpaved Runways
- Extended fuselage protection

PACKAGE CONTENT

- STC Package (SB / Installation drawings)
- Instructions for continued airworthiness
- Manual supplements



Price

From \$ 20,000



Weight

21 kg



Lead time

8 weeks



Manpower

24 hours

CONTACT



Subject to a possible specific adaptation to the relevant MSN.



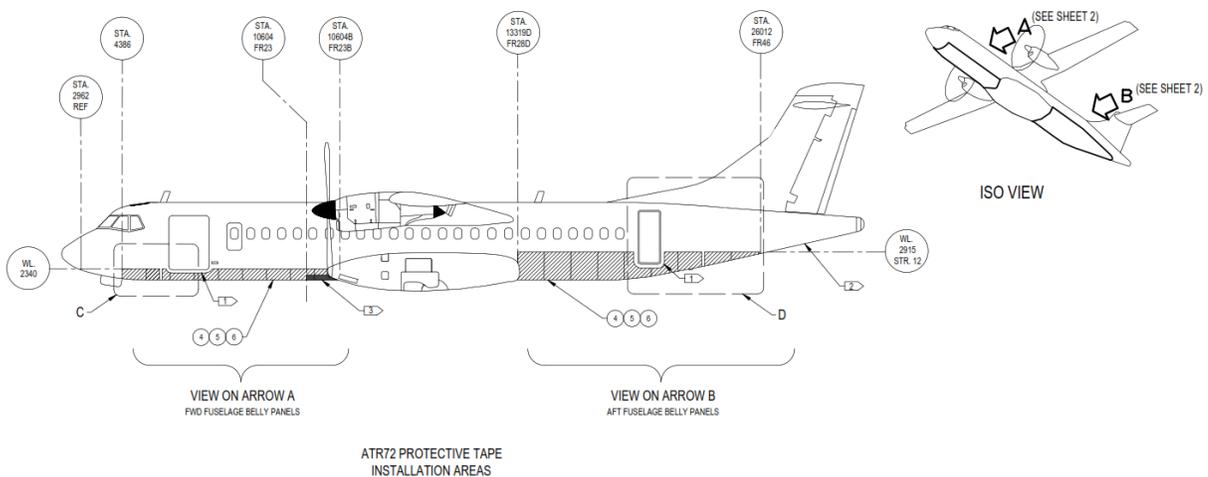
Fuselage protections ^{New}

Extended fuselage protection for unpaved runways



DESCRIPTION

Depending on a customer's requirements, initial protection of the belly fairing can also be extended to zones of the lower fuselage



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	N/A
ATR 72	ALL	-600 series	N/A	New Look	N/A
				Armonia	N/A

BENEFITS

- Maintenance reduction costs (due to reduction of the damage risks)
- No need of Nose Landing Gear deflector

OPERATIONAL COSTS SAVINGS	MAINTENANCE COSTS SAVINGS	OPERATIONAL BOOST	PASSENGER COMFORT	CREW EFFICIENCY
	✓	✓		

PRE-REQUISITE ATR Service Bulletin to Install protections for operations on unpaved runways

SEE ALSO

- Protection for operations on Unpaved Runways
- Belly fairing protection

PACKAGE CONTENT

- STC Package (SB / Installation drawings)
- Instructions for continued airworthiness
- Manual supplements

	From \$ 20,000
	21 kg
	8 weeks
	24 hours

CONTACT



Subject to a possible specific adaptation to the relevant MSN.



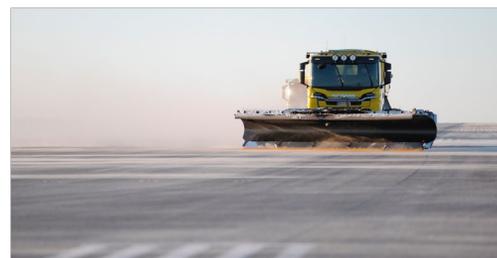
Fuselage protections

Fuselage protection from paved runway FOD

DESCRIPTION

The solution consists of the application of 3M tape on areas (except engine components and flight surfaces) to protect from runway Foreign Object Debris (ice, sand, small debris, etc.). Areas to be protected can be customized (belly fairing, lower fuselage, MLG bay, etc.). The 3M tape is available in various colours but can also be painted in accordance with the existing livery. (The tape is not included in solution price).

Note: this solution on its own does not allow operations on Unpaved Runways



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	N/A	Original	N/A
ATR 72	ALL	-600 series	N/A	New Look	N/A
				Armonia	N/A

BENEFITS

- Compliance with local regulations
- No panel removal, on-aircraft modification
- Maintenance reduction costs (due to reduction of the damage risks)



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

NONE

SEE ALSO

- Anti-collision light protection

PACKAGE CONTENT

- STC Package (SB / Installation drawings)
- Instructions for continued airworthiness
- Manual supplements



Price

From \$ 13,000



Weight

Depending on configuration



Lead time

8 weeks



Manpower

24 hours

CONTACT



Subject to a possible specific adaptation to the relevant MSN.



ATR

Pax to freighter



Pax to freighter

Bulk freighter conversion (BFC IPR)



DESCRIPTION

This IPR Conversions (Switzerland) Ltd modification converts ATR42 & ATR72 series to an E-Class "Full cargo" interior with adjustable vertical nets for bulk freight allowing loading & net positioning flexibility. The system is composed of :

- Vertical restraint nets and fire-resistant structural liners (wall and ceiling)
- Class E conversion (1-minute smoke detection system and shut-off valves installation)
- Reinforced cargo floor panels weight option up to 600 kg /m² (standard 400 kg /m²)
- Removal of entire passenger interior for best-in-class weight saving and operational gains
- LED lights option
- Cargo air distribution outlets
- Aluminium windows plugs part of the original STC (Option)

Max Payload	ATR 42	From 5,613 to 6,473 kg
	ATR 72	From 8,423 to 8,723 kg
Gross Volume	ATR 42	56 m ³
	ATR 72	75,5 m ³



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	YES	Original	YES
ATR 72	ALL	-600 series	YES	New Look	YES
				Armonia	YES

BENEFITS

- Maximum use of cargo volume with wall to wall and floor to ceiling loading possible
- Transversal nets speed up both load and unload process



OPERATIONAL
COSTS SAVINGS



MAINTENANCE
COSTS SAVINGS



OPERATIONAL
BOOST



PASSENGER
COMFORT



CREW
EFFICIENCY



PRE-REQUISITE

NONE

SEE ALSO

- Large cargo door

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Manual supplements
- Installation kit
- Equipment
- Instructions for continued airworthiness



Price

From \$ 250,000



Weight

Depending on configuration



Lead time

3 weeks



Manpower

Approx. 3,300 hours (5-6 weeks)

CONTACT



Subject to a possible specific adaptation to the relevant MSN.



Pax to freighter

Large Cargo Door (LCD)



DESCRIPTION

This IPR Conversions (Switzerland) Ltd modification provides ATR operators and lessors with ATR42 and ATR72 pax-to-LCD freighter conversions. The conversion features a Large Cargo Door operated by an independent hydraulic system that will allow to load large or oversized single pieces such as LD3 containers or palletised or loose load freight. The wide cross section combined with the LCD makes the ATR the ideal commuter for cargo operators, for an integrated solution in the 5-9 tons market. Optional installation of the Ankra Cargo Loading System allowing palletised solutions with interlining capabilities.



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	YES	Original	YES
ATR 72	ALL	-600 series	YES	New Look	YES
				Armonia	YES

BENEFITS

- Max cabin volume with wall to wall and floor to ceiling loading possible
- Includes all the benefits of the BFC structural tube
- Operating Empty Weight reduced to around 13.000 kg



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

NONE

SEE ALSO

- Bulk freighter conversion (BFC IPR)
- Versatile Cargo/pax configuration (ATR Class E)

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Operational manuals update
- Installation kit
- Parts list
- Instructions for continued airworthiness



Price

From \$ 1,750,000



Weight

Depending on configuration



Lead time

3 weeks



Manpower

Approx. 12,000 hours (4-5 months)

CONTACT



Subject to a possible specific adaptation to the relevant MSN.



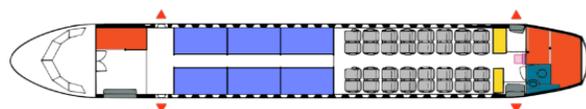
Pax to freighter

Cargo Flex 2.0



DESCRIPTION

This solution consist in the installation of 4 or 6 "Class B" UnderBin Cargo Compartments (UBCC) in the forward cabin of the ATR 72. This solution can be adapted to the ATR42 with the installation of 2 UBCC. Once provisions are installed, these compartments can be installed overnight by removing specific seats in the forward area without impacting the rest of the cabin.



APPLICABILITY

For information only. Applicability of the modification to each MSN is subject to validation.

AIRCRAFT MODELS		AVIONICS		CABIN	
ATR 42	ALL	Legacy	YES	Original	YES
ATR 72	ALL	-600 series	YES	New Look	YES
				Armonia	YES

BENEFITS

- Wide access and increased loading space to allow transportation of large cargo items.
- Freight Volume increased up to 19.2m³ (+81%) and 3 660 kg (+115%)



OPERATIONAL COSTS SAVINGS



MAINTENANCE COSTS SAVINGS



OPERATIONAL BOOST



PASSENGER COMFORT



CREW EFFICIENCY



PRE-REQUISITE

NONE

SEE ALSO

- Oversize item transportation in Cabin

PACKAGE CONTENT

- Engineering Package (SB / EO/ Installation drawings)
- Operational manuals update
- Installation kit
- Instructions for continued airworthiness



Price

On quote



Weight

Depending on configuration



Lead time

Depending on configuration



Manpower

Depending on configuration

CONTACT

ECM
Engineering Conception Maintenance

Subject to a possible specific adaptation to the relevant MSN.





© ATR GIE. All rights reserved. Confidential and proprietary document.

This document shall not be reproduced or disclosed to a third party without the written consent of ATR GIE. This document and its content shall not be used for any purpose other than that for which it is supplied. ATR GIE, its logo, the distinctive ATR aircraft profiles and patented information relating to the ATR aircraft are the exclusive property of ATR GIE and are subject to copyright. This document and all information contained herein are the sole property of ATR GIE. No intellectual property right is granted through, or induced by, the delivery of this document or the disclosure of its content. The statements made herein do not constitute an offer or a representation. They are based on the mentioned assumptions and are expressed in good faith.

ACCELERATING SUSTAINABLE CONNECTIONS