

AIRBUS

HELICOPTERS
Services

Standard Upgrades

January 2023

Colibri
EC120 & H120



AIRBUS

Introduction

Dear Customers,

In the aim of continuously improving our services, Airbus Helicopters is pleased to present you this new pdf version for the catalogue of Standard Upgrades.

Airbus Helicopters proposes tailored solutions to increase the helicopter's overall performance and mission effectiveness with role change capabilities, contributing to harmonized fleet, product improvement and maintenance cost reduction.

A wide range of solutions, from optional equipment up to mid- life upgrades, is available to bring aircraft to the latest version. These modifications, perfectly adapted to customers' aircraft configuration, are benefitting from innovations and advanced technology defined by Airbus Helicopters' experienced design office teams.

These upgrades give extended life to customer aircraft while covering obsolescence, with the added assurance of proven, certified and safe modifications developed by the Type Certificate holder as well as Supplemental Type Certificate holders.

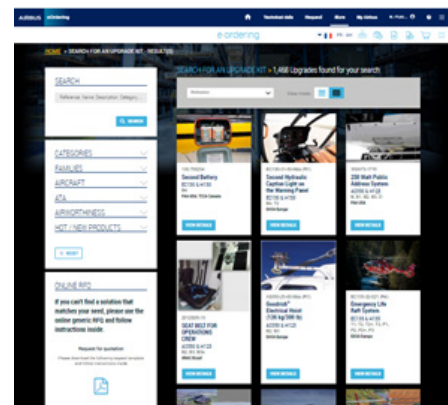
Airbus Helicopters proposes a large range of service bulletins (SB) and supplemental type certificates (STC) solutions available through its worldwide network, certified in accordance with international authorities (FAA, EASA...) and local requirements.

The standardization of such services (including kits preparation and certification) allows shorter lead times and greater competitiveness.

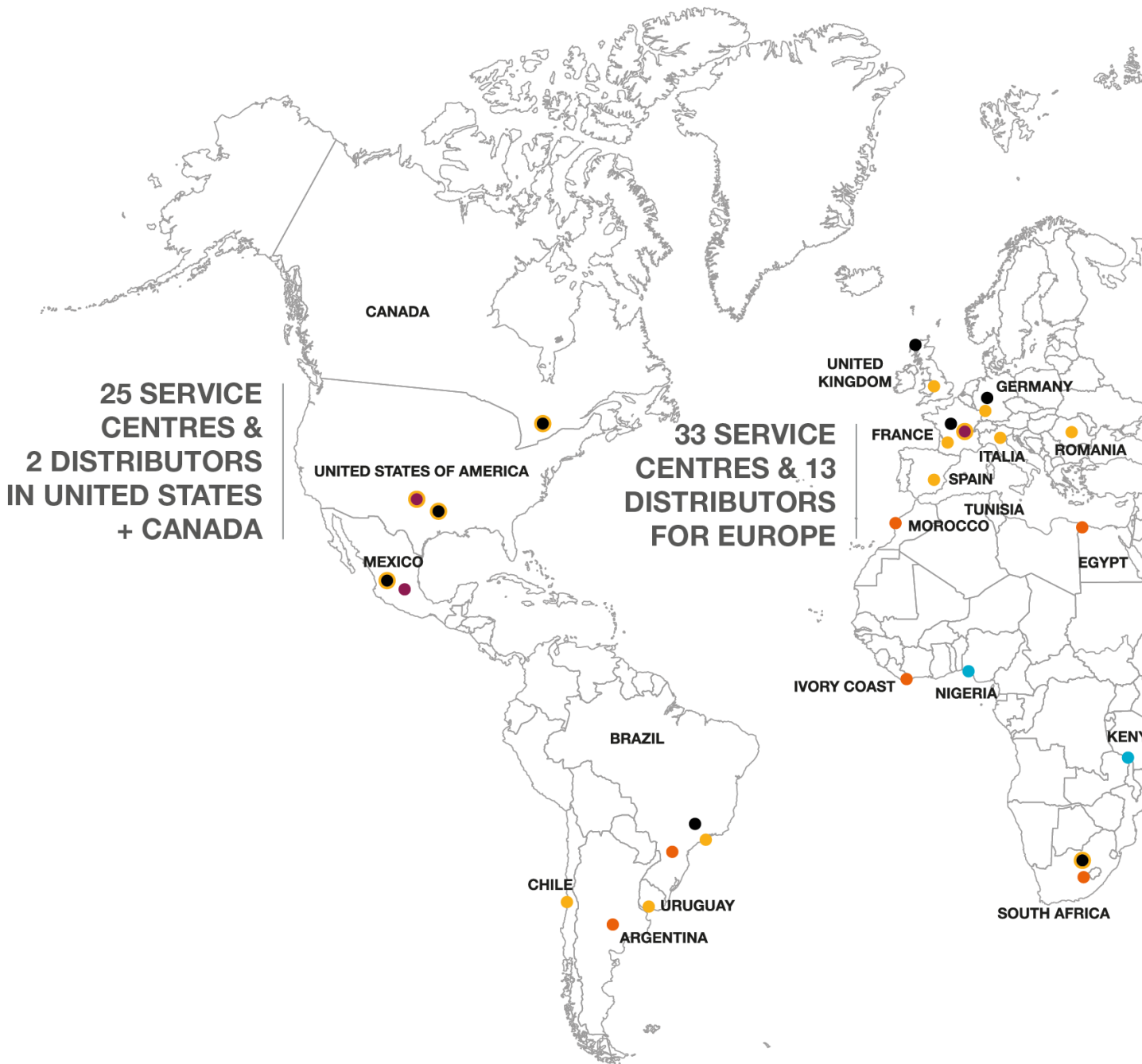
The complete and growing range of SB/STC standard upgrades is available on our AirbusWorld customer portal, which allows e-ordering of the associated kits. Together with a search engine, several filtering criteria will allow you to find the adequate available solution to answer your need, such as Equipment Categories, Aircraft type, ATA chapter as well as Airworthiness certifications.

Airbus Helicopters offers also customers Customized upgrades solution, developed according to the as-delivered configuration of their helicopter. This service is also available from the standard upgrades catalogue on AirbusWorld through a request for quotation available online.

With the comprehensive Turnkey solution, Airbus Helicopters both designs and installs upgrades on customer's aircraft. This work can be performed either within the Airbus Helicopters network or at customer facilities.

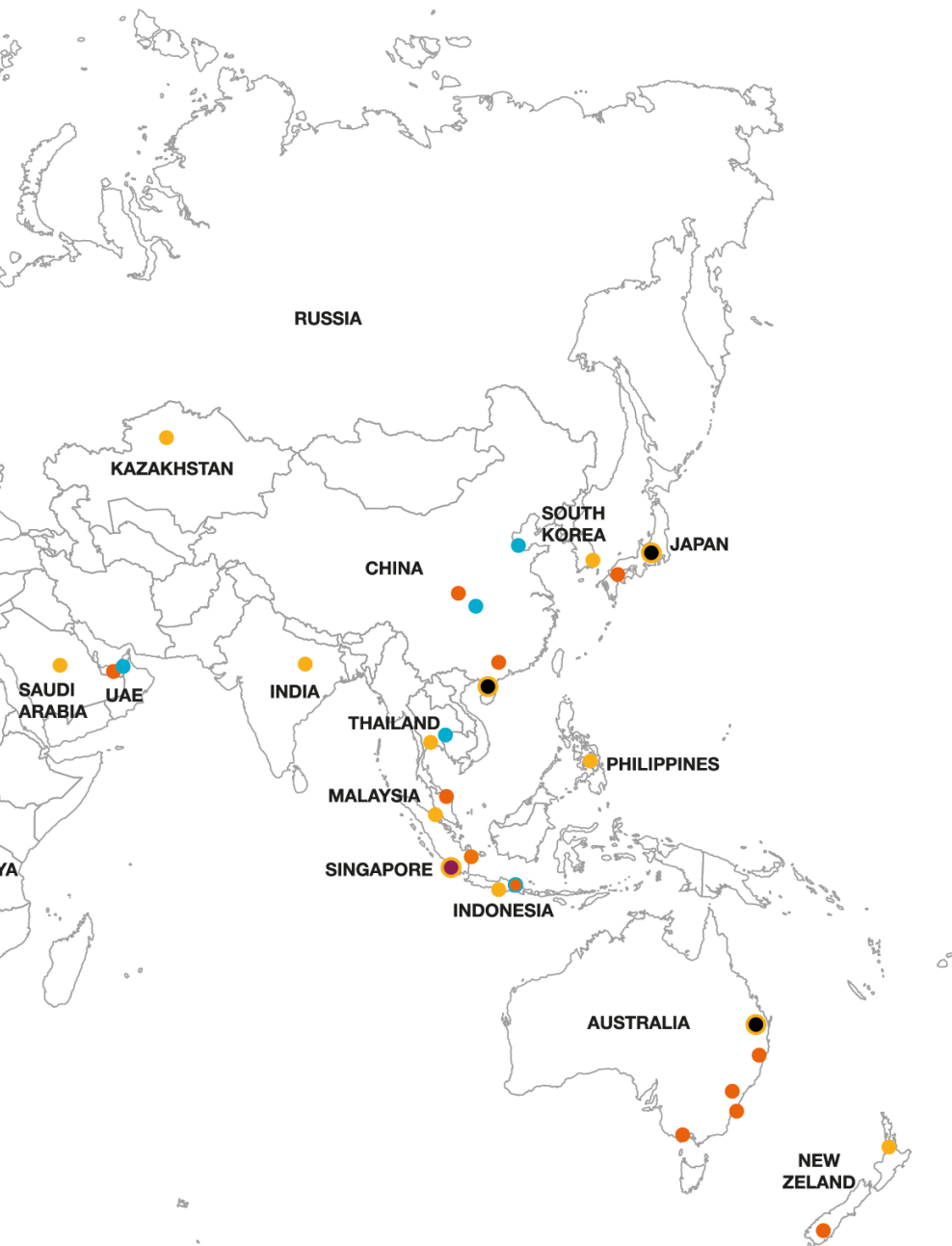


WHEREVER YOU OPERATE... WE SUPPORT YOU



**OUR GLOBAL NETWORK SPANS MORE THAN 150 COUNTRIES
WITH AN EXTENSIVE APPROVED MAINTENANCE NETWORK
LOCATED IN CLOSE PROXIMITY TO CUSTOMER FACILITIES:**

- 30 main sites, customer centres and affiliated sites
- 38 helicopters and/or support & services distributors.
- 92 service centres.
- 10 logistics hubs and local inventories,
as well as multiple local stock warehouses.
- 4 technical support hubs.



Find your service centre
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on your mobile devices or
through our Airbus Helicopters
web site

[https://www.airbus.com/en/
products-
services/helicopters/](https://www.airbus.com/en/products-services/helicopters/)

User Guide

Search efficiently in Airbus Helicopters catalogues by product categories and sub-categories.

Select an aircraft family catalogue...



Aircraft families

- Colibri
- Ecureuil family
- H135 family
- H145 family
- Dauphin family
- H175
- Super Puma family

Please note that regarding the version of the catalogue, all the families are not necessarily represented

...then search by product category

Product categories



Aircraft improvement



Airframe options



Cockpit & avionics options



Interior options



Maintenance improvement



Mission & external equipment



Obsolescence management



Operational protection



Power plant related options



Product improvement



Safety



Please note that regarding the version of the catalogue, all the segments are not necessarily represented.

How to read the product page

Type of Upgrade (SB or STC)
Back to the Table of contents

Airframe options
AS350 & H125

Product category
Aircraft applicability

Windshield Wipers for pilot and co-pilot (opt)

Reference: AS350-30-40-Msa (X0)
Applicable to version(s): 82, 83, 83e

Installation of windshield wiper for pilot and co-pilot.

This Service Bulletin consists in :
Installing the Removable Part (RP) of the pilot and copilot windshield wipers.
Carrying out the adjustments and tests of the windshield wiper installation.

BENEFITS

- Better visibility in rainy weather conditions.

WEIGHT	MOMENT	DOWNTIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+2.5 kg per windshield wiper installation	+1.265 m.kg per windshield wiper installation	1 Day(s) or 2 Day(s) depending on aircraft configuration	22 Week(s)	538 - 6440 EUR (e.o.c. 2020)	eOrdering

INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe, Electrical	2 to 4 Hour(s) depending on aircraft configuration
Aircraft Maintenance Engineer	3 to 6 Hour(s) depending on aircraft configuration

PRE-POST REQUISITE / EFFECTIVITY

This service bulletin is applicable on aircraft already equipped with :
MOD 074280 (Multi-unit installation) and not equipped with :
MOD 074292 (Installation of windshield wiper optional equipment by Multi-Unit) thru drawing 350A28052.07 or 350A28052.08
MOD AL4295 (Change in windshield wiper relay bolts) (The following MOD also support the applicability of the SB (will be selected in the CONFIGURATION ASSISTANT)
MOD 073439 (Ecoreuil canopy re-design)

CERTIFICATION ORGANIZATION(S)

EASA Europe

Please visit the Upgrades catalogue on AirbusWorldOrdering for online eOrdering and eRFQ.
<https://airbusworld.helicopters.airbus.com/>

Version of the catalogue
Contact information

What do these icons and mean ?

Type of Upgrades



Service Bulletin
Or
Supplemental Type
Certificate

Weight



Delta weight of the A/C
due to Upgrade
installation

Moment



Longitudinal moment
value

Downtime



Average value based on
qualified technicians with
appropriate tooling

Lead time










Average value based on
usual stock

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Colibri

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Colibri

EC120 & H120

AIRFRAME OPTIONS



Fenestron Ballast Increased to 19kg

Reference: EC120-53-009 (R2)

Applicable to version(s): B

This installation increases the ballast capacity to enable new trimming of helicopters that are nose-heavy due to the installation of optional equipment.

This update consists in :

- installing up to 19kg of ballast on the aft bulkhead of the fenestron
- reinforcing the riveting of the tail boom forward frame and the intermediate structure
- removing the additional ballast located under the battery, if installed on the helicopter.

SB from Airbus Helicopters France (AHF)



> BENEFITS

- Increases the ballast capacity

WEIGHT	MOMENT	DOWNTIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
On request	On request	1,5 Day(s)	Week(s)	2586 EUR (e.c. 2023)	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe	10 Hour(s)

> PRE-POST REQUISITE / EFFECTIVITY

This service bulletin is applicable on :

- EC120 Version B aircrafts modified by Service Bulletin 53-001 (8kg ballast installation)

> CERTIFICATION ORGANIZATION(S)

EASA Europe

Improved Heating System

Reference: 120.701014

Applicable to version(s): B

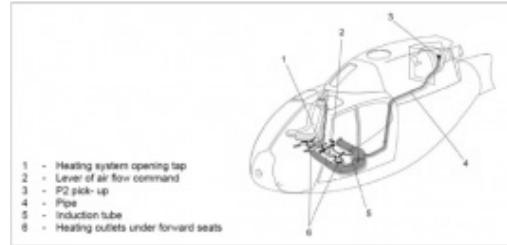
The Improved Heating System provides additional hot air from under the cabin floor for additional heating capability.

Heat ducts direct warm air to two outlets in the cabin floor under the pilot and co-pilot seats.
 Heating is either open or closed via air flow command located between the forward seats. Cabin temperature is regulated by adjusting the standard heating system.

This installation consists of:

- Additional P2 lines (engine compressor supply line)
- Airflow control valve
- Diffuser and under-floor heating duct
- Two cabin outlets

STC from Airbus Helicopters Canada Ltd (AHCA)



> BENEFITS

- Additional heating capabilities for customers operating in extreme weather conditions
- Enhanced comfort for pilot and passengers

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+ 9.2 kg	+ 29.4 m.kg	7 Day(s)	12 weeks	up to 50000 EUR (e.c. 2017)	eRFQ

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe, Mechanics	2 Day(s)
Aircraft Maintenance Engineer	1 Day(s)

> PRE-POST REQUISITE / EFFECTIVITY

Not applicable

> CERTIFICATION ORGANIZATION(S)

FAA USA
 TCCA Canada

Main blade sand protection

Reference: EC120-62-013 (R0)

Applicable to version(s): B

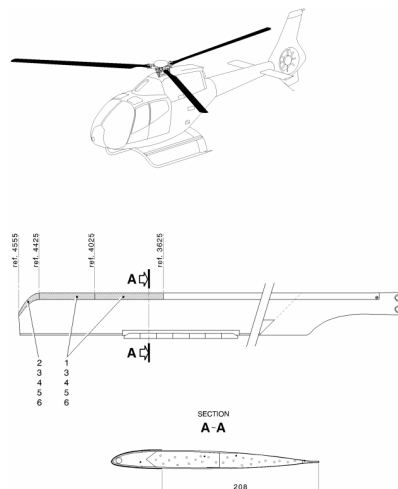
The purpose of this SB is to protect main blades from sand erosion.

The modification consists of bonding, on each main blade leading edge:

- in main section, two polyurethane self-adhesive patches of 400 mm length,
 - in parabolic section, a thermoformed polyurethane self-adhesive patch of 130 mm length,
- the patches cover the blade at lower surface and at upper surface on 20% of the cord and on 16% of the rotor radius span

The ingredients mentioned in the SB can be ordered separately, from INTERTUR-BINE.

SB from Airbus Helicopters France (AHF)



> BENEFITS

- To protect main blades from sand erosion.

KG	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+0,15 kg	+0,6 m.kg	24 Hour(s)	Week(s)	1066 EUR (e.c. 2023)	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe, Mechanics	2 Hour(s)

> PRE-POST REQUISITE / EFFECTIVITY

Helicopters, equipped with main blades whose P/Ns : C621A1006101, C621A1006102 or C621A1006103.

> CERTIFICATION ORGANIZATION(S)

EASA Europe

RH and LH side new version of windshields panels

Reference: EC120-56-004 (R1)

Applicable to version(s): B

Installation of new-definition windshields without slots with bonded deflectors.

This service bulletin consist in replacing the former RH and LH side windshields panels with slots and their screwed deflectors.

Interchangeability:

PRE MOD and POST MOD components are not interchangeable.

Mixability:

Mixing between PRE MOD and POST MOD components is authorized.

SB from Airbus Helicopters France (AHF)



> BENEFITS

- Distribute the efforts better and thus avoid possible cracks in operation.

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
Negligible	Negligible	16 Hour(s)	26 Week(s)	8190 - 17064 EUR (e.c. 2023)	eOrdering

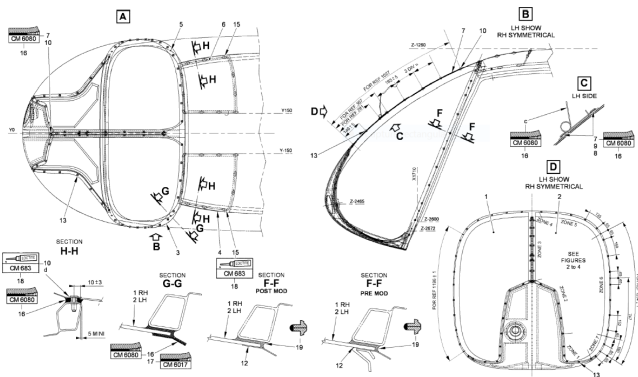
> INSTALLATION TIME

QUALIFICATION

Airframe, Structure

INSTALLATION DURATION

2 Day(s)



> PRE-POST REQUISITE / EFFECTIVITY

This service bulletin is applicable on aircraft already equipped with :

- Windshield, RH 350A25-9042-20
- Windshield, LH 350A25-9043-20
- Deflector, lower, RH C531A1103201
- Deflector, lower, LH C531A1106201
- Deflector, intermediate, RH C531A1104201
- Deflector, intermediate, LH C531A1107201

> CERTIFICATION ORGANIZATION(S)

EASA Europe

Rotor disk visibility markings

Reference: EC120-62-001 (R1)

Applicable to version(s): B

Ensuring main blade visibility by applying markings.

This Service Bulletin consists in painting white, red and yellow marker stripes on the main blades.

Revision 1 of this Service Bulletin does not supersede compliance with Revision 0.

SB from Airbus Helicopters France (AHF)

Blades with/without markings are interchangeable. Blades PRE MOD A00779 and POST MOD A00779 are interchangeable. Mixability of blades PRE MOD A00417 and POST MOD A00417 is authorized. Mixability of blades PRE MOD A00779 and POST MOD A00779 is authorized.



> BENEFITS

- Make blades more visible for ground operator when aircraft running.

WEIGHT	MOMENT	DOWNTIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+ 0,150 kg	+ 0,6 m.kg	On request	Depending on Spare Parts needed	Ref to detailed price online.	eOrdering

> CERTIFICATION ORGANIZATION(S)

EASA Europe

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe, Structure	5 Hour(s)

Settling protectors

Reference: 120.500214.02

Applicable to version(s): B

Settling protectors help guard against sinking into snow and soft ground (aka 'bear paws' or skis).

The settling protectors are comprised of LH and RH pads which attach to the aft end of the landing gear skid tubes.

Made of UHMW Polyethylene.

STC from Airbus Helicopters Canada Ltd (AHCA)



> BENEFITS

- Maintains tail rotor (Fenestron) ground clearance
- Easy installation and removal
- Lightweight
- Competitively priced

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+4.53 kg	+21.3 m.kg	0.5 Day(s)	On request	On request	eRFQ

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe, Structure	On Request

> PRE-POST REQUISITE / EFFECTIVITY

Not applicable

> CERTIFICATION ORGANIZATION(S)

FAA USA
 TCCA Canada

THALES™ Starter Generator

Reference: EC120-24-006 (R1)

Applicable to version(s): B

Replace the SKURKA starter generator with a THALES starter generator.

- This service bulletin consist in :
- Remove starter generator SKURKA
 - Install Thales Starter Generator

SB from Airbus Helicopters France (AHF)



> BENEFITS

- Reduce the maintenance cost for the starter generator.

WEIGHT	MOMENT	DOWNTIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
- 0.730 kg	Negligible	3 Hour(s)	Depending on Spare Parts needed	Ref to detailed price online.	eOrdering

> PRE-POST REQUISITE / EFFECTIVITY

This service bulletin is applicable on aircraft already equipped with :

- SKURKA (APC) starter generator.

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Electrical systems	3 Hour(s)

> CERTIFICATION ORGANIZATION(S)

EASA Europe

COCKPIT & AVIONICS OPTIONS



Appareo Vision 1000™ cockpit camera

Reference: C313SEA 2820E01A

Applicable to version(s): B

The Vision 1000 flight data monitoring system provides a lightweight self-contained solution for the recording of aircraft attitude, GPS, cockpit imaging, ambient audio, internal communications, and ATC communications.

Modification comprises: Vision 1000 Flight Data Monitoring system, GPS Antenna

STC from Airbus Helicopters Southeast Asia Pte Ltd (AHSA)



> BENEFITS

- Flight Data Monitoring

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+0.474 kg	+1.18 m.kg	3 Day(s)	On request	16494 / 25563 EUR (e.c. 2018)	eRFQ

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Electrical systems	2 Day(s)
Airframe, Electrical	3 Day(s)

> PRE-POST REQUISITE / EFFECTIVITY

Prior to the installation of this modification, it must be determined that the interrelationship between this and any other previously installed and/or repair will introduce no adverse effects upon the airworthiness of the product

> CERTIFICATION ORGANIZATION(S)

CAA Singapore

Automatic Direction Finder (ADF) System Bendix/King™ KR 87

Reference: C345SEA 7901 E01

Applicable to version(s): B

The **KR 87 Automatic Direction Finder system supplements the navigation data available to the pilot. It provides station bearing and aeronautical broadcast information through visual and aural means.**







Modification comprises: KR 87 Automatic Direction Finder, KI 227 Indicator Panel, KA 44B Antenna

STC from Airbus Helicopters Southeast Asia Pte Ltd (AHSA)



> BENEFITS

- Improved navigation.

 WEIGHT	 MOMENT	 DOWN TIME	 LEAD TIME	 PRICE RANGE	 ONLINE CAT.
+5.3 kg	+18.69 m.kg	7 Day(s)	On request	27389 / 33452 EUR (e.c. 2018)	eRFQ

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Electrical systems	4 Day(s)
Airframe, Electrical	6 Day(s)

> PRE-POST REQUISITE / EFFECTIVITY

Prior to the installation of this modification, it must be determined that the interrelationship between this and any other previously installed and/or repair will introduce no adverse effects upon the airworthiness of the product

> CERTIFICATION ORGANIZATION(S)

CAA Singapore

Collective Activated Hourmeter

Reference: SR09109RC-D

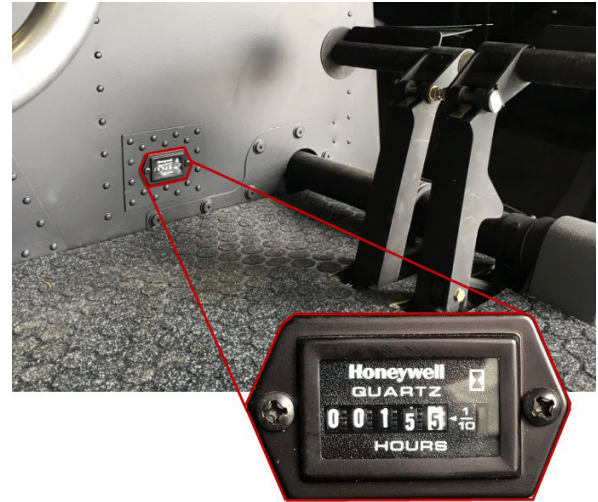
Applicable to version(s): B

Installation of a collective hourmeter in accordance with Drawing List 120A82-8002

The airframe hourmeter monitors and displays elapsed airborne time of the aircraft. This collective-activated hourmeter allows the operator to accurately record aircraft hours. In addition to the collective activated switch the hourmeter is connected to the MGB oil pressure sensor. The system requires both MGB oil pressure and up collective to activate the hour meter.

Order kit #120A73-0002-02.

STC from Airbus Helicopters Inc. (AHI)



> BENEFITS

- Indicates operating time in hours and tenths
- Has a running indicator
- Activated upon take-off
- Improved maintenance efficiency

> CERTIFICATION ORGANIZATION(S)

- EASA Europe
- FAA USA
- TCCA Canada

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
On request	On request	1 Day(s)	On request	1280 USD (e.c. 2017)	eRFQ

Garmin™ GTN650

Reference: SK-MIC-136-EO-P-616

Applicable to version(s): B

Garmin GTN650 GPS/NAV/COM retrofit.

Installation of GTN 650, which is the successor of the popular GNS 430 serial. This powerful unit provides even more capabilities for GPS/NAV/COM systems like touch screen operation, graphical flight planning and remote transponder.

Optional: If a KY196 is installed the GNS430 can be moved to the pedestal by replacing the KY196. If a HSI/CDI is installed a NAV1/2 Switch will be installed on the cockpit panel. When these optionals have been installed, the Aircrafts has additional Navigation capabilities for safer operation and with permanent NAV back up available.

STC from Airbus Helicopters Deutschland Maintenance Center Kassel-Calden



> BENEFITS

- Touch screen as a modern and powerful interface
- High resolution terrain mapping
- Optional Class B TAWS alerting

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+3.2 kg	+1.6 m.kg	5 Day(s)	On request	On request	eRFQ

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe, Mechanics	On request
Avionics	On request

> PRE-POST REQUISITE / EFFECTIVITY

Compliance is optional. The Aircraft must be equipped with a Garmin GNS430.

> CERTIFICATION ORGANIZATION(S)

EASA Europe



Installation of Garmin Avionic Suite with Intergrated GPS/NAV/COMM/Tranponder/ICS

Reference: EC120B/339

Applicable to version(s): B

Installation and integration of Garmin GTN 750 GPS/NAV/COM system, GMA 35 ICS System and GTX 33H Transponder system, replacing the existing GTX 330 Transponder, GMA 340H ICS and KY196 VHF COM system

The installation consists of antenna base (P/N 350A68 1046 00) and fixed provision for a teardrop antenna. The design also includes a blank in case the provision is not used.

STC from Airbus Helicopters Malaysia Sdn Bhd (AHM)



WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+11.3 kg	on request	On request	On request	On request	eRFQ

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Avionics	On request
Airframe, Electrical	On request
Airframe	On request

> CERTIFICATION ORGANIZATION(S)

DCA Malaysia

Installation of SkyNode S200 Satcom System

Reference: EC120B/374

Applicable to version(s): B

The SkyNode S200 system provides both voice and tracking including messaging functions using various serial data interfaces and integrated GPS receiver and Iridium satellite L-Band Transceiver modules. The S200 Tracker is operated through the RC6000/A control and display unit which act as a remote control and display interface features for dialing control, phonebook, text messaging, event triggering and basic system diagnostics.

The installation consists of:

- Spotlight
- Adjustable mount
- Fixed provision

STC from Airbus Helicopters Malaysia Sdn Bhd (AHM)



WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+2.53 kg	+10.32 m.kg	On request	On request	On request	eRFQ

> CERTIFICATION ORGANIZATION(S)

DCA Malaysia

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe, Electrical	On request
Avionics	On request
Airframe	On request

MT Vision Air™ Moving Map System

Reference: SK-MIC-108-EO-P-201

Applicable to version(s): B

The Moving Terrain-MT Vision Air provides for VFR-operation only additional Navigation information on a coloured LC-Display.

Installation of Moving Terrain-MT Vision Air. It is a stand-alone Multifunction Display (MFD) with a brilliant Display performance. The GPS signal is provided by its own independent antenna. The Moving Map display is equipped with pilot friendly original ICAO charts which can be expanded to the full IFR Range and also to Airport Approach Charts. Thanks to the Multi-Layer Technology it's possible (depending on the existing Helicopter Equipment) to have ACAS information, FLIR, Video, TAWS information, Synthetic Relief View and Flight Plan information on the Display. Using the Airbus Helicopters Installation Kit, the new Display will be integrated in Aircraft Manufacturer Quality.

STC from Airbus Helicopters Deutschland Maintenance Center Kassel-Calden



> BENEFITS

- Brilliant Display Performance
- Enhanced safety as the system saves valuable seconds in critical phases due to the automatic tracking on the map
- Modular Software and Performance technique, tailored to pilot's needs



WEIGHT

+ 1.4 kg



MOMENT

+ 2.3 m.kg



DOWN TIME

10 Day(s)



LEAD TIME

On request



PRICE RANGE

On request



ONLINE CAT.

eRFQ

> INSTALLATION TIME

QUALIFICATION

Avionics

Mechanics

INSTALLATION DURATION

5 Day(s)

5 Day(s)

> PRE-POST REQUISITE / EFFECTIVITY

With the assumption that there is no other installation allocated left beside the instrument panel, the Moving Map Installation is applicable to every H120 (EC120) Helicopter. In case of incompatibility due to already existing other equipment on the cockpit panel we offer a Display installation on the RH of the Glare-Shield.

> CERTIFICATION ORGANIZATION(S)

EASA Europe

Tactical Radio System Motorola™ MTM 800

Reference: C231SEA 4901 E01

Applicable to version(s): B

The MTM 800 Radio Communication System provides tactical radio communications and position information over the UHF frequency band.

Modification comprises: AA34 300 Universal Radio Interface, VR201 1N Voltage Regulator, MTM800 Radio, UHF Antenna, GPS Antenna

STC from Airbus Helicopters Southeast Asia Pte Ltd (AHSA)



> BENEFITS

- Tactical data and communications capabilities.

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+3.157 kg	+10.518 m.kg	10 Day(s)	On request	from 8698 EUR (e.c. 2018)	eRFQ

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Electrical systems	7 Day(s)
Airframe, Electrical	7 Day(s)

> PRE-POST REQUISITE / EFFECTIVITY

Prior to the installation of this modification, it must be determined that the interrelationship between this and any other previously installed and/or repair will introduce no adverse effects upon the airworthiness of the product

> CERTIFICATION ORGANIZATION(S)

CAA Singapore

Thales™ H321 EHM™ Standby Horizon

Reference: EC120-31-10-Mas (R0)

Applicable to version(s): B

The Thales H321 EHM™ standby horizon is installed on the instrument panel in order to duplicate the information relating to horizon datum points.

Installation of a Thales H321™ Standby Horizon on the instrument panel. This system is powered by a standalone additional battery.

SB from Airbus Helicopters France (AHF)



> BENEFITS

- Compliant with ICAO annex 6 Part III and EASA Part CAT (EU Regulation n°965/2012).
- Duplication of the information relating to horizon datum points.

WEIGHT	MOMENT	DOWNTIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+ 4.4 kg	+ 15.24 m.kg	1 Day(s)	28 Week(s)	20950 EUR (e.c. 2023)	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe, Electrical	2 Hour(s)
Electrical systems	6 Hour(s)

> PRE-POST REQUISITE / EFFECTIVITY

Helicopters with serial numbers between 1393 and 8000 and those with serial numbers greater than or equal to 8009.

> CERTIFICATION ORGANIZATION(S)

EASA Europe

INTERIOR OPTIONS



Customised Cabin Interior for EC120B

Reference: ER1150063

Applicable to version(s): B

Customer shall be able to customised the cabin to express their personality or reflect their corporate identity.

Approval including carpet and seat covers. Customer can op for any combination. Additional approval for cabin trim (ceiling, bulkhead, doors and handles) is available on request.

STC from Airbus Helicopters Malaysia Sdn Bhd (AHM)



WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
on request	on request	On request	On request	On request	eRFQ

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe, Electrical	On request
Airframe	On request

> CERTIFICATION ORGANIZATION(S)

DCA Malaysia

Installation of Cockpit Spotlight

Reference: EC120B/375

Applicable to version(s): B

A spotlight is installed at the center of the cockpit ceiling. It is attached on a adjustable mount which allows onground adjustment of the lighting area on the instrument panel.

The modification introduce a spot light installed at the ceiling that offers lighting to the instrument panel.

STC from Airbus Helicopters Malaysia Sdn Bhd (AHM)



WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+0.52 kg	1.477 m.kg	On request	On request	On request	eRFQ

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe, Electrical	On request
Airframe	On request
Aircraft Maintenance Engineer	On request

> CERTIFICATION ORGANIZATION(S)

DCA Malaysia



MISSION & EXTERNAL EQUIPMENT



Cargo sling fixed part installation

Reference: EC120-25-002 (R0)

Applicable to version(s): B

The service bulletin permits to install a cargo sling.

The fixed part installation includes:

- The fittings used to attach the cargo sling
- The electrical wiring
- The emergency release control trigger
- A pushbutton on the LACU
- Modification of the lower mounting plate cover

SB from Airbus Helicopters France (AHF)



> BENEFITS

- Allow sling transport.

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+ 3.4 Kg	Negligible	On request	50 Week(s)	9450 EUR (e.c. 2023)	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Avionics	2 Hour(s)

> PRE-POST REQUISITE / EFFECTIVITY

This service bulletin is applicable on aircraft not equipped with :

- Cargo siling

> CERTIFICATION ORGANIZATION(S)

EASA Europe

Electric rear-view mirror

Reference: EC120-25-003 (R1)

Applicable to version(s): B

Installation of an electric rear-view mirror.

The installation includes :

- Structural provisions comprising edged holes
- A removable part comprising a transverse tube, two half-clamps, a rear-view mirror and attachments
- A relay mount under the cabin floor, and a harness

SB from Airbus Helicopters France (AHF)



> BENEFITS

- The electric rear-view mirror, is used in particular to monitor loads transported by sling.

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+ 2.1 Kg	+ 1.1 m.kg	1.5 Day(s)	26 Week(s)	8431 EUR (e.c. 2023)	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Electrical systems	4 Hour(s)
Mechanics	8 Hour(s)

> PRE-POST REQUISITE / EFFECTIVITY

This service bulletin is applicable on aircraft not equipped with Electric Rear-View Mirror.

> CERTIFICATION ORGANIZATION(S)

EASA Europe

EOS FLIR 8000™ Series

Reference: 120.901814

Applicable to version(s): B

With highly sensitive cooled detectors, superb resolution, and all of the cutting edge functionality scientists and researchers have come to expect from FLIR, the SC8000 HD Series brings science and R&D thermography to a whole new level

The FLIR 8000 Series infrared camera meets the multi-role mission requirements of today's busy law enforcement, border control, as well as search and rescue organizations. The lightweight, dual-sensing gimbal is designed to enhance high-altitude, long-range search and surveillance mission capabilities.

Effect on flight performance:

- VNE limited to 130 KIAS with FLIR Gimbal installed
- OAT for FLIR operation -20°C to +50°C
- Maximum altitude for camera operation 10,000 ft

STC from Airbus Helicopters Canada Ltd (AHCA)



> BENEFITS

- Increased surveillance mission capabilities
- Easy to install / remove
- Infra-red image
- TV Camera for day and night
- Zoom in / out performance
- Easy control and display
- Compact, light and stable

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+10.6 kg	+43.2 m.kg	9.5 Day(s)	26 Week(s)	750000 - 820000 USD (e.c. 2017)	eRFQ

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Avionics	1 Week(s)
Airframe, Systems	2 Day(s)
Electrical systems	1 Week(s)



> PRE-POST REQUISITE / EFFECTIVITY

Not applicable.

> CERTIFICATION ORGANIZATION(S)

- FAA USA
- TCCA Canada

External Loudspeaker System Cobham™ TS 92

Reference: C853SEA 0901 E01

Applicable to version(s): B

The TS92 Loudhailer is a high intensity external loudspeaker for external aural communications and public address.

Modification comprises: TS92 Loudhailer, PA Driver, PA250 Power Amplifier

STC from Airbus Helicopters Southeast Asia Pte Ltd (AHSA)



> BENEFITS

- Enhanced public address capabilities.

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+9.81 kg	+42.663 m.kg	7 Day(s)	On request	up to 11491 EUR (e.c. 2018)	eRFQ

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Electrical systems	4 Day(s)
Airframe, Electrical	6 Day(s)

> PRE-POST REQUISITE / EFFECTIVITY

Prior to the installation of this modification, it must be determined that the interrelationship between this and any other previously installed and/or repair will introduce no adverse effects upon the airworthiness of the product

> CERTIFICATION ORGANIZATION(S)

CAA Singapore

Fixed Part Provisions EOS

Reference: C259SEA 5820E01

Applicable to version(s): B

Installation of fixed parts provisions to enable the integration of EOS FLIR system equipment onto the aircraft.

Modification comprises:

- LH Fuselage Part Break,
- Cabin Console Part Break,
- GPS Signal Splitter,
- Cargo Compartment Part Break,
- Cargo Compartment Fixed Provisions
- Cargo Fixed Adaptations

STC from Airbus Helicopters Southeast Asia Pte Ltd (AHSA)



> BENEFITS

- All fixed part provisions required for the FLIR system.

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+5.431 kg	+22.939 m.kg	14 Day(s)	On request	from 8698 EUR (e.c. 2018)	eRFQ

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe, Electrical	12 Day(s)
Electrical systems	10 Day(s)

> PRE-POST REQUISITE / EFFECTIVITY

Prior to the installation of this modification, it must be determined that the interrelationship between this and any other previously installed and/or repair will introduce no adverse effects upon the airworthiness of the product

> CERTIFICATION ORGANIZATION(S)

CAA Singapore

SX16™ Searchlight

Reference: 120.901234







Applicable to version(s): B

The Spectrolab SX-16 Nightsun® is a high-intensity (30-40 million candlepower) searchlight located on the LH side of the helicopter. The light and gimbal are mounted using a quick release dovetail assembly for fast, tool free installation and removal.

Specifications: - Vertical 0° up to 47° down - Horizontal 30° right to 90° left - Beam width (focus) 4° to 20° - Lamp power output 1600W/30 Million Cd - Voltage 28 VDC

STC from Airbus Helicopters Canada Ltd (AHCA)



 WEIGHT	 MOMENT	 DOWN TIME	 LEAD TIME	 PRICE RANGE	 ONLINE CAT.
+ 14.1 kg	+ 65 m.kg	9 Day(s)	On request	On request	eRFQ

> PRE-POST REQUISITE / EFFECTIVITY

Not applicable.

> CERTIFICATION ORGANIZATION(S)

FAA USA

TCCA Canada



OBSOLESCENCE MANAGEMENT



Cargo door and rear access door modification and replacement of door lock key

Reference: EC120-52-021 (R0)

N° EC120-52-021

Applicable to version(s): B

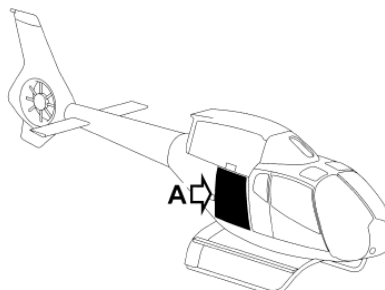
RH cargo door and rear access door replacement due to obsolescence

This SB consists in:

- Modifying the RH cargo door and the rear access door.
- Replacing the RH cargo door and the rear access door lock key.

SB from Airbus Helicopters France (AHF)

Interchangeability- Mixability : Pre Mod /Post Mod are not interchangeable



> BENEFITS

- Product improvement

> PRE-POST REQUISITE / EFFECTIVITY

Post mod= Helicopters/installed equipment or parts:

- Rear access door P/N C523S4101053
- RH cargo door P/N C523S1101053
- Lock key P/N 7052A4523003

> CERTIFICATION ORGANIZATION(S)

EASA Europe

WEIGHT	MOMENT	DOWNTIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
Fixed Part +0,098 kg	Fixed Part +0,507 m.kg to +0,018 m.kg	1 Day(s)	On request	On request	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe, Structure	6 Hour(s)

Change in NR/NF indicator

Reference: EC120-63-019 (R3)

Applicable to version(s): B

The purpose of this Service Bulletin is to replace the current NR/NF indicator which is obsolete.

This Service Bulletin consists in:

- Installing two relays for indicator lighting management, a dual lighting power supply
- Replacing the NR/NF indicator that became obsolete by a new NR/NF indicator

SB from Airbus Helicopters France (AHF)

PRE and POST MOD parts are not interchangeable.



> BENEFITS

- Add a clamp block to improve the routing of the air data system.

WEIGHT	MOMENT	DOWNTIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
On request	On request	0,5 Day(s)	42 Week(s)	13679 EUR (e.c. 2023)	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Avionics	1 or 8 Hour(s) depending on aircraft configuration
Airframe, Mechanics	0 or 2 Hour(s) depending on aircraft configuration

> PRE-POST REQUISITE / EFFECTIVITY

Helicopters the serial number of which is lower than or equal to 1690 or between 8001 and 8034.
 The aircraft Serial Number and the application or not of the previous revisions also impact the applicability of this Service Bulletin (will be selected in the CONFIGURATION ASSISTANT).

> CERTIFICATION ORGANIZATION(S)

EASA Europe

ELT Antenna Exchange

Reference: SB-EC120-N°-KAS-23-252

Applicable to version(s): B

Replacement of the obsolete Chelton 21-41 Tri-Band Antenna by the direct successor Chelton 25-1000 Tri-Band Antenna

The design change contains the exchange of the ELT Antenna (Chelton 21-41 Tri-Band) by the direct successor (Chelton 25-1000 Tri-Band; internal P/N M256A60T1011). The new antenna has the same dimensions and installation interfaces.

The design change is applicable for helicopters equipped with any ELT which is capable of transmission in the 406 MHz emergency frequency band.

SB from Airbus Helicopters Deutschland Maintenance Center Kassel-Calden



> BENEFITS

- Continued availability of the H/C fleet
- Easy exchange of the obsolete ELT Antenna

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
Complete Installation Negligible	Complete Installation Negligible	1 Day(s)	2 Month(s)	On request	eRFQ

> PRE-POST REQUISITE / EFFECTIVITY

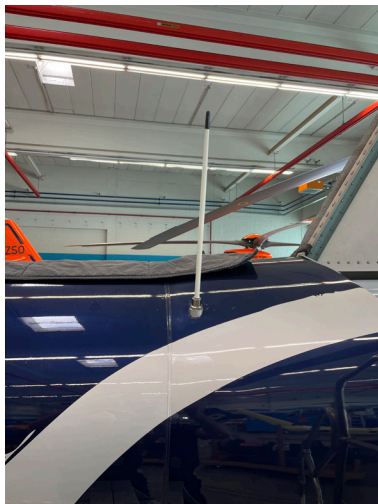
Pre-installed equipment:
 CHELTON 21-41 Tri-bands-ELT antenna (P/N: 21-41) installed on the position defined by the TC holder

> CERTIFICATION ORGANIZATION(S)

EASA Europe

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Avionics	5 Hour(s)



Interchangeability of the Vehicle Engine Management Display (VEMD)

Reference: EC120-31-010 (R0)

Applicable to version(s): B

The function of this Service Bulletin is to make sure that the interchangeability between the NVG VEMD and the non-NVG VEMD is permitted because of obsolescence of the non-NVG VEMD variant on the non-NVG helicopter.

This Service Bulletin includes the work steps that follow:

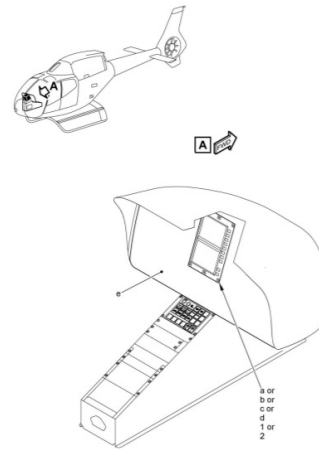
- Removal of the obsolete non-NVG VEMD
- Installation of the new NVG VEMD.

The only difference between an NVG VEMD MP/N and a non-NVG VEMD MP/N is the color of the keyboard backlighting, which is white on a non-NVG MP/N and green on an NVG MP/N.

SB from Airbus Helicopters France (AHF)

The VEMD update/change is ensured by Thales global network. Your RFQ will be sent and handled by Thales directly.

N° EC120-31-010



> BENEFITS

- Ensure interchangeability between a Vehicle and Engine Management Display (VEMD) system with Night Vision Goggles (NVG)

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
Negligible	Negligible	0,5 Day(s)	On request	On request	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Avionics	3 Hour(s)

> PRE-POST REQUISITE / EFFECTIVITY

- Helicopters/installed equipment or parts
Non-NVG Helicopters that have one of the non-NVG VEMDs below:
- MP/N B19030FB04 (P/N 7050A4316026)
 - MP/N B19030FC04 (P/N 7050A4316024)
 - MP/N B19030FB05 (P/N 7050A4316028)
 - MP/N B19030FC05 (P/N 7050A4316027).

- Non-installed equipment or parts
Non-NVG VEMD:
- MP/N B19030FB04 (P/N 7050A4316026)
 - MP/N B19030FC04 (P/N 7050A4316024)
 - MP/N B19030FB05 (P/N 7050A4316028)
 - MP/N B19030FC05 (P/N 7050A4316027).

> CERTIFICATION ORGANIZATION(S)

EASA Europe

Obsolescence of BOSE jack kit

Reference: EC120-23-Mas (R0)

Applicable to version(s): B

The purpose of this Service Bulletin is to propose the adaptation of the cord (BOSE X power headset P/N: 323172-0010 (706A35850289)) for the new Bose jack kit following the obsolescence of the BOSE headset cord P/N 15999 (706A35850211).

This Service Bulletin consists of moving the equipped strip "107VT" and adapting the electrical wiring

SB from Airbus Helicopters France (AHF)



> BENEFITS

- Manage the obsolescence of the Bose headset cord P/N 15999 (706A35850211).

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
Negligible	Negligible	0.5 Day(s)	Depending on Spare Parts needed	Ref to detailed price online.	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe, Structure	2 Hour(S)
Aircraft Maintenance Engineer	2 Hour(S)

> PRE-POST REQUISITE / EFFECTIVITY

This service bulletin is applicable on aircraft already equipped with a BOSE headset cable P/N 15999 (706A35850211).

> CERTIFICATION ORGANIZATION(S)

EASA Europe

Replacement of fire extinguisher further to obsolescence

Reference: EC120-26-001 (R0)

Applicable to version(s): B

The purpose of this Service Bulletin is to remedy obsolescence of fire extinguishers P/N H1-10AIR (704A32810008) and to propose their replacement with fire extinguishers P/N 12085-01 (S262A10T1001).

This Service Bulletin consists in removing the fire extinguisher P/N H1-10AIR (704A32810008) and its associated support and installing a new support and a new fire extinguisher according to helicopter configuration.

SB from Airbus Helicopters France (AHF)

Parts PRE and POST MOD are not interchangeable.



> BENEFITS

- New fire extinguisher further to obsolescence.

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
- 0.291 kg	- 0.483 m.kg or - 0.676 m.kg depending on aircraft configuration.	0,5 Day(s)	9 Week(s)	251 - 627 EUR (e.c. 2023)	eOrdering

> PRE-POST REQUISITE / EFFECTIVITY

For all helicopters equipped with fire extinguisher P/N H1-10AIR (704A32810008). The position of the fire extinguisher and the extreme cold weather installation also impact the applicability of the SB (will be selected in the CONFIGURATION ASSISTANT).

> CERTIFICATION ORGANIZATION(S)

EASA Europe

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe, Structure	3 Hour(s)

Replacement of the pedal block brushes

Reference: EC120-67-027 (R0)

Applicable to version(s): B

To replace the pedal block brushes of the yaw control due to obsolescence.

This Service Bulletin consists in replacing the pedal block brushes.

Interchangeability:

PRE MOD and POST MOD pedal block brushes are interchangeable.

Mixability:

Mixing between PRE MOD and POST MOD brushes is authorized between the pilot side (4 identical brushes) and co-pilot side (4 identical brushes) but not on the same side (different brushes).

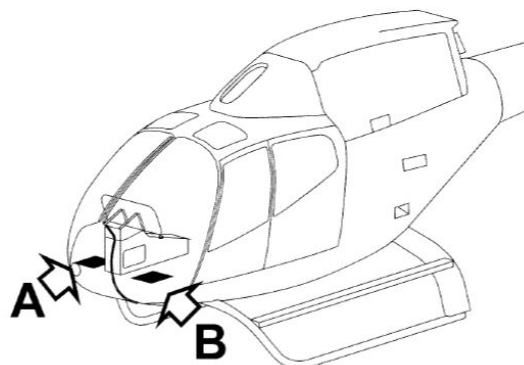
SB from Airbus Helicopters France (AHF)

Non-installed equipment or parts

Pedal block brush assy RH P/N C672A2105101

Pedal block brush assy LH P/N C672A2106101

Pedal block brush MP/N 365A27-3150-01



> PRE-POST REQUISITE / EFFECTIVITY

Helicopters equipped with pedal block brush assemblies RH P/N C672A2105101 and LH P/N C672A2106101 with pedal block brushes MP/N 36527-3150-01.

> CERTIFICATION ORGANIZATION(S)

EASA Europe

> BENEFITS

- New product

WEIGHT	MOMENT	DOWNTIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
Negligible	Negligible	2 Hour(s)	On request	On request	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe, Mechanics	5 Hour(s)

POWER PLANT RELATED OPTIONS



Sand filter

Reference: EC120-71-001 (R1)

Applicable to version(s): B

The purpose of this service bulletin is to install optional SOFRANCE sand filter.

- On transmission deck, RH side, installing sand filter
- To the rear of central engine cowling, cutting out passage for filter ejector
- On filter, installing mini-switch and connecting to wiring intended for this purpose
- Reducing rest zone for rear leg of support to avoid trimming
- Adding raiser shim (integral with support) underneath bolt head, allowing detection of sand filter presence (integration of kit C008A071605600)
- Enlarging rest zone for central leg
- Replacing protection paint (to match Eurocopter standards)

SB from Airbus Helicopters France (AHF)



> BENEFITS

- Avoid sand to enter into engine.

WEIGHT	MOMENT	DOWNTIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+ 5.600 kg	+ 28.97 m.kg	1 Day(s)	56 Week(s)	20723 EUR (e.c. 2023)	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Electrical systems	0,5 Hour(s)
Mechanics	3 or 6 Hour(s) depending on aircraft configuration

> PRE-POST REQUISITE / EFFECTIVITY

This service bulletin is applicable on aircraft not equipped with Optional sand filter installation.

> CERTIFICATION ORGANIZATION(S)

EASA Europe

PRODUCT IMPROVEMENT



Adding a water trap to the air conditioning system

Reference: EC120-21-013 (R1)

Applicable to version(s): B

This Service Bulletin is intended to drain water from airconditioning outside the cabin.

This modification consists of :

- Modifying evaporator by adding improved water trapping
- Modifying evaporator installation by having new supports installed
- Replacing elbow section in evaporator outlet with water-drained elbow section with separate evacuation underneath helicopter
- Installing draining system with separate evacuation underneath helicopter

SB from Airbus Helicopters France (AHF)

This modification is more efficient if helicopter is equipped with heat-insulated ventilation duct.



> BENEFITS

- Make more efficient the air conditioning system.

KG	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+ 1.025 kg	+ 3.475 m.kg	On request	41 Week(s)	Ref to detailed price online.	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe	8 Hour(s)
Airframe, Mechanics	29 Hour(s)

> PRE-POST REQUISITE / EFFECTIVITY

Helicopters equipped with "AIR CONDITIONING" option, whose serial number is lower than 1432 except 1407, 1409, 1412, 1421 and 1422.

> CERTIFICATION ORGANIZATION(S)

EASA Europe

Cable anti-retention device on the canopy center post

Reference: EC120-53-013 (R0)

Applicable to version(s): B

Airbus Helicopter offers a retrofit for the sideslip indicator.

The purpose of this Service Bulletin is to perform the installation of a cable anti-retention deflector on the sideslip indicator.

SB from Airbus Helicopters France (AHF)



> BENEFITS

- The purpose of this Service Bulletin is to perform the installation of a cable anti-retention deflector on the sideslip indicator.

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
Negligible	Negligible	4 Hour(s)	Depending on Spare Parts needed	Ref to detailed price online.	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Mechanics	4 Hour(s)

> PRE-POST REQUISITE / EFFECTIVITY

Helicopters whose serial number is lower than 1674 and not equipped with a deflector on the sideslip indicator.

> CERTIFICATION ORGANIZATION(S)

EASA Europe

Fixed length anticipator link

Reference: EC120-67-020 (R1)

Applicable to version(s): B

This installation is to simplify the engine control adjustment procedures, by replacing the adjustable anticipator link, located between the synchronizer and the Teleflex control input lever, by a fixed length link. This installation also provides a complementary kit for the helicopters on which the kit P/N C008C076105171 was installed through the previous Revision.

This upgrade consists in :

- removing the adjustable link,
- installing a fixed length link equipped with two spherical joints,
- removing the anticipator lever,
- installing a new lever, oppositely mounted.

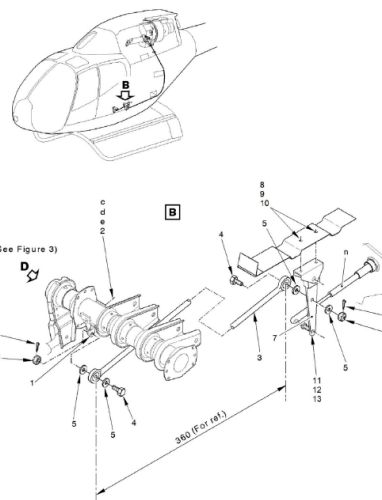
SB from Airbus Helicopters France (AHF)

PRE MOD and POST MOD components are not interchangeable

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+0,058 kg	+0,207 m.kg	0,5 Day(s)	Week(s)	Ref to detailed price online.	eOrdering

INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe, Mechanics	3 Hour(s)



PRE-POST REQUISITE / EFFECTIVITY

This service bulletin is applicable on aircraft :

- On which SB No. 76-001 was complied with, from serial number 1001 to 1024 and serial number 1037
- From serial number 1025 to 1318 and not equipped with :
 - Link P/N C761A1017101
 - Anticipator lever P/N C761A1014101
 - Lever (intermediate anticipator) P/N C761A1016101

CERTIFICATION ORGANIZATION(S)

EASA Europe

Fuel system modification further to engine fuel control unit evolution (FCU)

Reference: EC120-28-011 (R0)

Applicable to version(s): B

Allow the correct routing (between anticipator lever and cowling) of fuel supply pipe in order to embody the modification of fuel control unit TF77 (Adding an auxiliary Delta P valve).

- The modification consists of adding:
- An elbow union at fuel shut-off valve outlet
 - A rigid pipe at power plant inlet (engine)

SB from Airbus Helicopters France (AHF)



> BENEFITS

- This new route allows the minimum required plays and clearances with the adjacent items to be met.

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+ 0.2 kg.	+ 0.94 m.kg	12 Hour(s)	13 Week(s)	2708 EUR (e.c. 2023)	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Mechanics	2 Hour(s)

> PRE-POST REQUISITE / EFFECTIVITY

This Service Bulletin is applicable on all S/N except from 1619 to 8000.

- And not equipped with
- The fuel flowmeter option (Service Bulletin No. 28-006)

The following MOD also impact the applicability of the SB (will be selected in the CONFIGURATION ASSISTANT) :

- Service Bulletin No. 28-009 (Protection of engine fuel supply system without anti-icing additive, down to - 15 degree C)

> CERTIFICATION ORGANIZATION(S)

EASA Europe

Improved SKURKA starter-generator

Reference: EC120-24-016 (R1)

Applicable to version(s): B

This Service Bulletin consist in sending the SKURKA starter-generator for improvement.

This Service Bulletin consists in:

- Removing SKURKA starter-generator Part Number (MP/N) 160SG140Q1XL and return it to an approved repair station
- Installing SKURKA starter-generator Part Number (MP/N) 160SG140Q-4
- Defining the new maintenance instructions

SB from Airbus Helicopters France (AHF)

Send the Starter Generator to an approved repair station listed in SKURKA Service Bulletin SB 160SGL167, which is appended to Information Notice No. 2936-I-80.



> BENEFITS

- Through this improvement:
- The Time Between Overhaul (TBO) of SKURKA starter-generator Part Number (MP/N) 160SG140Q-4 is increased from 900 to 1000 flying hours
- The interval for the periodic replacement of the brushes is increased from 300 to 500 flying hours

WEIGHT	MOMENT	DOWNTIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+ 0.091 kg	+ 0.43 m.kg	2 Hour(s)	On request	On request	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Mechanics	2 Hour(s)

> PRE-POST REQUISITE / EFFECTIVITY

This service bulletin is applicable on aircraft already equipped with :

- SKURKA starter-generator, Part Number (MP/N) 160SG140Q1XL

> CERTIFICATION ORGANIZATION(S)

EASA Europe

Improvement of the flexball control sealing

Reference: EC120-67-026 (R0)

Applicable to version(s): B

The purpose of this Service Bulletin is to improve the sealing of the yaw flexball control on the Tail Gear Box (TGB).

This Service Bulletin consists of:

- Removing the yaw rear flexball control sheath stop spherical bearing
- Installing and lubricating the new spherical bearing
- Installing a new sealing nut
- Installing protection bellows on either side of the spherical bearing

SB from Airbus Helicopters France (AHF)



> BENEFITS

- Avoid case of hard point of the yaw flexball control and corrosion of the yaw flexball control sheath stop spherical bearing on the TGB side.

WEIGHT	MOMENT	DOWNTIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+ 0.05 kg	+ 0.48 m.kg	On request	22 Week(s)	2203 EUR (e.c. 2023)	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Mechanics	2 Hour(s)

> PRE-POST REQUISITE / EFFECTIVITY

This Service Bulletin is applicable to helicopters whose serial number is lower than or equal to 1690 and without Improvement of the flexball control sealing. The application of the Service Bulletin EC 120B 67-006 also impact the applicability of this SB (will be selected in the CONFIGURATION ASSISTANT).

> CERTIFICATION ORGANIZATION(S)

EASA Europe

Improvement of the harness for the chip detector of the Tail Gear Box (TGB)

Reference: EC120-88-002 (R0)

No. EC120-88-002

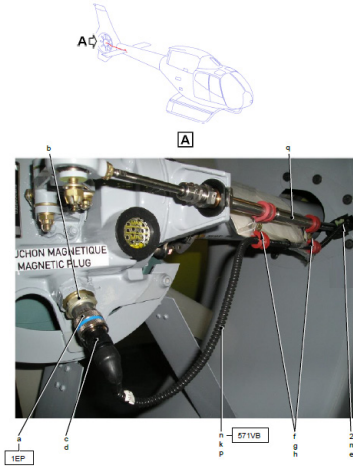
Applicable to version(s): B

The purpose of this Service Bulletin is to add a braided sheath (NOMEX sheath) on the harness of the chip detector of the TGB under the already existing ringed sheath, in order to avoid friction

This Service Bulletin consists in:

- removing the ringed sheath from the harness,
- installing a new braided sheath (NOMEX sheath) on the harness,
- install the ringed sheath on the harness.

SB from Airbus Helicopters France (AHF)



> BENEFITS

- Improves the quality of the product to avoid friction

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
Negligible	Negligible	1 Day(s)	On request	On request	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe, Electrical	8 Hour(s)

> PRE-POST REQUISITE / EFFECTIVITY

Apply SB EC120-88.002

> CERTIFICATION ORGANIZATION(S)

EASA Europe

Installation of a blanking plate on the drive tube on the TGB side

Reference: EC120-65-006 (R0)

Applicable to version(s): B

This Service Bulletin consists of replacing the original cap by a cap of a larger volume, made from a different material, in order to improve its holding by increasing its compression stiffness.

This modification allows the TGB's TBO (TBO: Time Between Overhauls) to be increased to 3,750 flying hours.

To modify the following parts : Pitch control rod C652A1107056, TGB C652A0101053 or C652D0101053 please contact AH.

SB from Airbus Helicopters France (AHF)



> BENEFITS

- Avoid the loss of the pitch control rod lubrication cap and therefore loss of bearing lubrication.

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
Negligible	Negligible	On request	42 Week(s)	1 667 EUR (e.c. 2023)	eOrdering

> PRE-POST REQUISITE / EFFECTIVITY

This service bulletin is applicable on aircraft already equipped with :

- TGB P/N C652A0101053 or C652D0101053.

> CERTIFICATION ORGANIZATION(S)

EASA Europe

Integration of a relay in the fuel pump control circuit

Reference: EC120-28-012 (R0)

Applicable to version(s): B

The purpose of this Service Bulletin is to make the fuel pump control more reliable by integrating a relay in the control circuit.

To prevent premature damage to the "FUEL P" control button, Airbus Helicopters developed the modification described in this Service Bulletin. This modification consists in integrating a relay in the control circuit. It prevents internal damage to the control button by the starting current of the fuel pump.

SB from Airbus Helicopters France (AHF)



> BENEFITS

- It prevents internal damage to the control button by the starting current of the fuel pump.

WEIGHT	MOMENT	DOWNTIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+ 0.076 kg or + 0.350 kg depending on aircraft configuration.	+ 0.130 m.kg or + 0.599 m.kg depending on aircraft configuration.	0,5 Day(s) or 1 Day(s) depending on aircraft configuration.	17 Week(s)	451 - 2073 EUR (e.c. 2023)	eOrdering

> PRE-POST REQUISITE / EFFECTIVITY

Helicopters whose serial numbers are lower than 1691 or comprised between 8001 and 8034. Compliance or not with Service Bulletin 63-019 (change in NR/NF indicator) also impact the applicability of the SB (will be selected in the CONFIGURATION ASSISTANT).

> CERTIFICATION ORGANIZATION(S)

EASA Europe

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe, Structure	0 or 3 Hour(s) depending on aircraft configuration
Avionics	3 Hour(s)

Longer rings on TRH

Reference: EC120-64-001 (R2)

Applicable to version(s): B

Standardize the rings used on the EC 120 and EC 130.

This service bulletin consists in the replacement of the current blade root ring by a longer ring.

SB from Airbus Helicopters France (AHF)



> BENEFITS

- Adapt rings of EC130 for EC120.

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
Negligible	Negligible	24 Hour(s)	Depending on Spare Parts needed	Ref to detailed price online.	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Mechanics	8 Hour(s)

> PRE-POST REQUISITE / EFFECTIVITY

Helicopter EC120 with S/N under 1220.

> CERTIFICATION ORGANIZATION(S)

EASA Europe

MGB housing corrosion protection improvement

Reference: EC120-63-014 (R0)

Applicable to version(s): B

The purpose of this Service Bulletin is to protect the main gearbox against corrosion.

The purpose consists of:

- Removing and treating the corroded zones,
- Producing a sealing bead on the equipment junction planes (fan shroud support coil, hydraulic unit, taper spindles, oil filter...) as well as on all

SB from Airbus Helicopters France (AHF)



> BENEFITS

- To avoid corrosion on magnesium MGB housings, thereby allowing its operation until end of TBO

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
Negligible	Negligible	2 Day(s)	Depending on Spare Parts needed	Ref to detailed price online.	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Mechanics	1 Hour(s)

> PRE-POST REQUISITE / EFFECTIVITY

This service bulletin is applicable on aircraft already equipped with :

- Main gearboxes (MGB) whose serial number is lower than M545 and P/N C632A0201052 or C632A0201053
- Main housing P/N C632A2116101 or C632A2116102
- Lower housing P/N C632A2115101 or C632A2115102
- Output unit P/N C632A2114101 or C632A2114102

> CERTIFICATION ORGANIZATION(S)

EASA Europe

Modification of swashplate baffle plates

Reference: EC120-62-016 (R0)

Applicable to version(s): B

Elimination of possible interference between the baffle plate of the rotating swashplate and the scissors drive.

The modification consists in :

- Removing from the rotating swashplate
- Installing the following in their place on the rotating swashplate:
 - upper baffle plate
 - outer flange
 - inner flange
- Re-identifying the swashplate assembly and filling in the Log Card.

To modify the following parts : Inner flange, Outer flange, Upper baffle plate please contact AH.

SB from Airbus Helicopters France (AHF)



> BENEFITS

- Increasing clearance between these two parts.

WEIGHT	MOMENT	DOWNTIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
- 0.078 kg	Negligible	24 Hour(s)	Depending on Spare Parts needed	Ref to detailed price online.	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Mechanics	8 Hour(s)

> PRE-POST REQUISITE / EFFECTIVITY

Helicopters EC120 with a Serial Number below or equal to 1676.

> CERTIFICATION ORGANIZATION(S)

EASA Europe

Modification of the bolt length on the junction frame Rear/tail boom structure

Reference: EC120-53-014 (R0)

Applicable to version(s): B

The purpose of this Service Bulletin is to replace the 3 overlength bolts in order to torque the rear structure/tail boom junction.

This Service Bulletin consists in replacing the 3 attachment bolts and the 3 washers on the rear structure/tail boom junction frames on the drive shaft passage.

SB from Airbus Helicopters France (AHF)



> BENEFITS

- Avoid interference between the bolts and the threads on the nut plates.

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
Negligible	Negligible	12 Hour(s)	Depending on Spare Parts needed	Ref to detailed price online.	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Mechanics	4 Hour(s)

> PRE-POST REQUISITE / EFFECTIVITY

Helicopters EC120 whose serial number is lower than or equal to number 1690 are concerned by this Service Bulletin.

> CERTIFICATION ORGANIZATION(S)

EASA Europe

Modification of the SEFEE electrical master box

Reference: EC120-24-014 (R0)

Applicable to version(s): B

The propose of this service is an upgrade of the SEFEE master box (P/N) SE07113 (7050A4243052).

The modification consists in :

- Removing the electrical master box from the helicopter
- Removing the regulation board and the logic board from the electrical master box
- Installing the new regulation board and new logic board in their place in the electrical master box
- Installing the electrical master box in the helicopter

SB from Airbus Helicopters France (AHF)

To apply this modification please send back the electrical master box to SEFEE.



> BENEFITS

- Increase reliability in relation to the electrical impulses produced by the starter-generator during start-up.

KG					
WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
Negligible	Negligible	12 Hour(s)	On request	On request	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Mechanics	4 Hour(s)

> PRE-POST REQUISITE / EFFECTIVITY

This service bulletin is applicable on aircraft already equipped with :

- SEFEE electrical master box (P/N) SE07113 (7050A4243052).

> CERTIFICATION ORGANIZATION(S)

EASA Europe

Modification to the setting of the twist grip locking pin

Reference: EC120-76-007 (R0)

Applicable to version(s): B

Modify the setting of the twist grip locking pin to prevent exceeding the IDLE detent without activating the START button.

Reducing the clearance value "J" between the locking pin and the cam.
 Recording compliance with this Service Bulletin by applying a white paint circle all over the twist grip lock.

SB from Airbus Helicopters France (AHF)



> BENEFITS

- The purpose of this Service Bulletin is to prevent the IDLE detent to be exceeded without activating the START button.

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
Negligible	Negligible	0.5 Day(s)	Depending on Spare Parts needed	Ref to detailed price online.	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe, Cabin	2 Hour(s)

> PRE-POST REQUISITE / EFFECTIVITY

This service bulletin is applicable on aircraft already equipped with :

- RH twist grips P/N C761A2024101, C761A2024102, C761A2024103, C761A2024104, C761A2140101, C761A2140102.

without identification marking (white paint circle).

> CERTIFICATION ORGANIZATION(S)

EASA Europe

Reinforcement of the control rods of the standard cabin doors

Reference: EC120-52-019 (R1)

Applicable to version(s): B

The purpose of this Service Bulletin is to reinforce the swing door (standard cabin door) locking/unlocking mechanisms.

This Service Bulletin consists in replacing the rod ends of the swing door locking/unlocking mechanisms which, when broken, prevent opening of the doors, with rod ends made of more resistant material.

SB from Airbus Helicopters France (AHF)

Under this Service Bulletin, PRE and POST MOD rod ends are not interchangeable. Mixability of PRE MOD and POST MOD parts is prohibited.



> BENEFITS

- To improve and reinforce the swing door locking/unlocking mechanism.

WEIGHT	MOMENT	DOWNTIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
Negligible	Negligible	0,5 Day(s)	28 Week(s)	2221 EUR (e.c. 2023)	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Mechanics	4 Hour(s)
Mechanics	4 Hour(s)

> PRE-POST REQUISITE / EFFECTIVITY

Helicopters whose Serial Number is less than or equal to 1673 or between 8001 and 8034.

The helicopter S/N 1596 is not affected by compliance with this Service Bulletin.

> CERTIFICATION ORGANIZATION(S)

EASA Europe

Replacement of the ASU

Reference: EC120-31-009 (R1)

Applicable to version(s): B

The propose of this service bulletin is to install a new ASU.

This Service Bulletin consists in:

- Installing two equipped isolation modules and their wiring on two channels of the ASU card No. 1
- Replacing the ASU card No. 1 located in the ancillary unit

SB from Airbus Helicopters France (AHF)



> BENEFITS

- Eliminate the shifting of NrMin and NrMax warning threshold and the loss of NrMin and NrMax warning below -20 degree C

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
Negligible	Negligible	1 to 21 Hour(s) depending on aircraft configuration.	34 Week(s)	2783 EUR (e.c. 2023)	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Mechanics	1 to 21 Hour(s) depending on aircraft configuration
Mechanics	1 to 21 Hour(s) depending on aircraft configuration

> PRE-POST REQUISITE / EFFECTIVITY

Helicopters EC120 with the S/N :

- Lower than 1698
- or
- Between 8001 and 8034

> CERTIFICATION ORGANIZATION(S)

EASA Europe

Replacement of the landing gear rear attachment clamp

Reference: EC120-32-006 (R1)

Applicable to version(s): B

The purpose of this Service Bulletin is to install a new landing gear rear attachment clamp.

This service bulletin consists in the replacement of the landing gear rear lower attachment clamp.

SB from Airbus Helicopters France (AHF)



> BENEFITS

- New landing gear rear attachment clamp, which improves its resistance to mechanical stress.

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
Negligible	Negligible	4 Hour(s)	Depending on Spare Parts needed	Ref to detailed price online.	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Mechanics	4 Hour(s)

> PRE-POST REQUISITE / EFFECTIVITY

Helicopters whose serial number is lower than 1651 except serial numbers 1639, 1640, 1642 and 1644.

> CERTIFICATION ORGANIZATION(S)

EASA Europe

Separation of the Direct Battery distribution from the electrical master box

Reference: EC120-24-015 (R1)

Applicable to version(s): B

This service bulletin add a Circuit breaker between battery and cockpit circuit breaker panel.

This Service Bulletin consists in:

- Moving a clamp support
- Installing a new circuit breaker support
- Installing a new circuit breaker
- Removing the electrical connection between the electrical master box and the cockpit circuit breaker panel
- Installing new electrical connections between the battery, the new circuit breaker and the cockpit circuit breaker panel

Helicopters which have already complied with revision 0 of this Service Bulletin are concerned by revision 1 of this Service Bulletin.

SB from Airbus Helicopters France (AHF)



> BENEFITS

- Eliminate any risk of total loss of electrical power by separating the direct battery distribution from the electrical master box.

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+ 0.063 kg.	+ 0.39 m.Kg	12 Hour(s)	20 Week(s)	7710 EUR (e.c. 2023)	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe, Structure	2 Hour(s)
Electrical systems	4 Hour(s)

> PRE-POST REQUISITE / EFFECTIVITY

Helicopters with serial numbers under 1698 or between 8001 and 8034.

> CERTIFICATION ORGANIZATION(S)

EASA Europe

SAFETY



ACAS TAS 610 Avidyne™

Reference: SK-MIC-109-EO-P-216

Applicable to version(s): B

The ACAS TAS 610 is a traffic advisory system which provides visual and acoustic information to the flight crew when traffic signals have been received.

Installation of Avidyne TAS610 which is an active interrogation onboard air traffic detection system used to identify potential collision threats. The TAS610 monitors the horizontal and vertical separation of aircrafts and warns the flight crew when the calculated time to closest approach (CPA) of the intruder meets a certain threshold (15 to 30 seconds). Aircraft with non-Mode C transponder can provide range information only. The TAS610 does not detect aircraft without operating transponders. The Traffic Advisory System (TAS) acts as a traffic-warning information system. The information will be generated by the TAS-Processor-Unit which is installed in the rear electronic compartment. The information will be visualized using the already installed GNS430 Display on the cockpit panel. An acoustic warning can be switched on/off, using a switch installed in the series centre console LACU. An amber colored warning light will appear in the helicopter warning panel. A Mute Switch is located on the pilot and co-pilot Stick.



STC from Airbus Helicopters Deutschland Maintenance Center Kassel-Calden

> BENEFITS

- The system provides visual and acoustic information to the flight crew when traffic signals have been received.

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+6.25 kg	+28.4 m.kg	14 Day(s)	On request	On request	eRFQ

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Avionics	6 Day(s)
Mechanics	4 Day(s)

> PRE-POST REQUISITE / EFFECTIVITY

Compliance is optional. The Aircraft must be equipped with a GNS430 GPS System.

> CERTIFICATION ORGANIZATION(S)

EASA Europe

Deflectors for optional windshield wiper

Reference: EC120-30-002 (R0)

Applicable to version(s): B

To protect helicopter in case of wire strike on windshield wiper, thus establishing compatibility between the two optional equipment WSPS and windshield wiper.

The modification consists of :

- Installing, in front of the each windshield wiper hinge, a deflector fitted to the nose shield by inserts
- Bonding inside of shield, fiber glass reinforcement level with deflector base mount

SB from Airbus Helicopters France (AHF)



> BENEFITS

- To protect helicopter in case of wire strike on windshield wiper, thus establishing compatibility between the two optional equipment: WSPS and windshield wiper.

WEIGHT	MOMENT	DOWNTIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+ 0,5 kg	+ 0.53 m.kg	24 Hour(s)	35 Week(s)	1 41 52 EUR (e.c. 2023)	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe, Electrical	8 Hour(s)

> PRE-POST REQUISITE / EFFECTIVITY

This service bulletin is applicable on aircraft already equipped with :

- WSPS (Wire-Strike Protection System) (SB 25-013)
- and
- Windshield wipers (SB 30-001)

> CERTIFICATION ORGANIZATION(S)

EASA Europe

Emergency Flotation Gear (Fixed parts)

Reference: EC120-25-001 (R1)

Applicable to version(s): B

The purpose of this Service Bulletin is to allow the operator to equip the aircraft with the optional emergency flotation gear (fixed parts).

This Service Bulletin includes the creation of provisions, the installation of mounts, of attachment clamps, of an electrical mounting plate, an optional electrical harness, an elastomer lining, the replacement of an indicator head and the cut-out of cowlings.

Comply with Service Bulletin 25-004 (reinforcement of drag lug attachment) together with this Service Bulletin.

SB from Airbus Helicopters France (AHF)

The new components (cylinder and floats), incorporated in Revision 1 of this Service Bulletin, are fully interchangeable and mixable with the former components.



> BENEFITS

- Compliance with this Service Bulletin, jointly with installation of the removable parts, part number C256A720105100, described in AMM 25.67.00, 4-1, will allow the operator to keep the aircraft afloat in the event of ditching to enable safe evacuation of the crew.

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+ 3 to + 41,660 Kg depending on aircraft configuration.	+ 11.760 to + 90 m.kg depending on aircraft configuration.	24 Hour(s)	34 Week(s)	17722 - 23959 EUR (e.c. 2023)	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Electrical systems	24 Hour(s)

> PRE-POST REQUISITE / EFFECTIVITY

This service bulletin is applicable on aircraft not equipped with Optional Emergency Flotation Gear (Fixed Parts)
 The kit are impacted depending if the aircraft is equipped or not with provisions (will be selected in the CONFIGURATION ASSISTANT).

> CERTIFICATION ORGANIZATION(S)

EASA Europe

Extreme cold weather heating option

Reference: EC120-21-011 (R1)

Applicable to version(s): B

Improvement cabin heating performance and harmonize P2 air valves with those of the AS350 family.

Adding an additional P2 air sampling:

- Routing P2 air pipe along engine deck
 - Routing air after this valve
 - Bringing hot air to the two floor outlets
 - Using a flap controlled by a handle located next to the P2 air valve to close the diffuser to avoid cold air intake into the cabin
 - Advising the "VEMD" of the additional P2 air sampling
- At request's customer this Service Bulletin consists of:
- Installing a P2 air valve identical to that of the AS350 family
 - Installing new P2 air valve inlet and outlet pipes
 - Adapting floor structure and carpets

Mandatorily comply with the following Service Bulletins before compliance with this Service Bulletin:

- Service Bulletin No. 21-008 (Extreme cold weather heating)
- Service Bulletin TURBOMECA No. 319 73 4039 (Fuel control unit (FCU). Max flow adjustment for JP4 fuel. Embodiment of modification Tf 39)
- This installation requires relocation of the fire extinguisher

SB from Airbus Helicopters France (AHF)

This Service Bulletin Revision 1 supersedes compliance with Revision 0 of this Service Bulletin for Clients who would like to harmonize P2 air valves with those of the AS350 family



> PRE-POST REQUISITE / EFFECTIVITY

This service bulletin is applicable on EC120 with S/N 1523 and below. And allows in option to harmonize P2 air valves with those of the AS350 family (will be selected in the CONFIGURATION ASSISTANT).

> CERTIFICATION ORGANIZATION(S)

EASA Europe

> BENEFITS

- To avoid cold air intake into the cabin when the heating is not in use
- Warning the pilot when the 90degC threshold is reached in the mixer by means of a temperature probe
- a P2 air valve identical to that of the AS350 family

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
Negligible or + 8,5 kg depending on aircraft configuration	Negligible or + 24,74 m.kg depending on aircraft configuration	15 Hour(s) or 40 Hour(s) depending on aircraft configuration	34 Week(s)	7510 - 30875 EUR (e.c. 2023)	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe, Cabin	15 or 40 Hour(s) depending on aircraft configuration
Aircraft Maintenance Engineer	0 or 40 Hour(s) depending on aircraft configuration

Garmin™ GTX330 (mode S) Transponder

Reference: EC120-34-30-Mas (R0)

Applicable to version(s): B

Installation of GARMIN transponder GTX 330 mode "S".
This equipment provides information to the air traffic control services.
The GTX 330 uses the mode "S" in addition to modes "A" and "C" (existing on GTX 327).

The GARMIN transponder GTX 330 is a radio transceiver which uses radar frequencies. The transponder receives interrogations from a ground radar or an onboard collision avoidance system or TCAS (Traffic Alert and Collision Avoidance System) on 1,030 MHz and transmits its response by encoded pulses on the 1,090 MHz frequency. The GTX 330 device supports the IDENT function which allows SPI pulses (Special Position Identification) to be activated for 18 seconds. The GTX 330 transponder responds interrogations from the ATC radar beacon system or ATCRBS (Air Traffic Control Radar Beacon System) mode "A", mode "C" and mode "S".

Transponders before modification (GTX327) and after modification (GTX330) are interchangeable mechanically but not functionally.

SB from Airbus Helicopters France (AHF)

Transponders before modification (GTX327) and after modification (GTX330) are interchangeable mechanically but not functionally.



PRE-POST REQUISITE / EFFECTIVITY

This service bulletin is applicable on aircraft not equipped with :

- TDR GARMIN GTX330 mode S
- The following equipment also impact the applicability of the SB (will be selected in the CONFIGURATION ASSISTANT) :
- TDR GTX327

CERTIFICATION ORGANIZATION(S)

EASA Europe

BENEFITS

- Requirement set by the European mandate for mode S level 2 surveillance.
- Complying with ICAO annex 6 Part III and EASA Part CAT (EU Regulation n°965/2012).
- Transmission of a specific identity code (mode "S").

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+0.74 kg to +2.4 kg depending on helicopter configuration.	+1.45 m.kg to +4.71 m.kg depending on helicopter configuration.	1 Day(s)	88 Week(s)	6364 - 6525 EUR (e.c. 2023)	eOrdering

INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Avionics	5 Hour(s) depending on aircraft configuration
Electrical systems	3 Hour(s) depending on aircraft configuration

Installation of position/strobe lights on horizontal stabilizer

Reference: 2001S11-03

Applicable to version(s): B

The Strobe lights improve the helicopter light indication in low visibility weather conditions.

The Position/Strobelights installation in Horizontal Stabilizer aims to provide an aeronautical luminous signaling device to the aircraft. The disposal of fixed lights (position lights) green on the right, and red on the left, indicates the flight direction of the aircraft and its position relative to the observer, while the strob lights, white, emit a high intensity flash light, expanding the capacity of the aircraft to be detected at a distance.

STC from Helicópteros do Brasil SA (HELIBRAS)



> BENEFITS

- Enhanced collision avoidance Increases positional awareness for nearby traffic.

WEIGHT	MOMENT	DOWNTIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
Fixed Part +1.363 kgf	Fixed Part +9.871 kgf.m	2 Day(s)	On request	On request	eRFQ
Mobile Part +1.72 kgf	Mobile Part +8.868 kgf.m				

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe, Cabin	3 Hour(s)
Aircraft Maintenance Engineer	22 Hour(s)

> PRE-POST REQUISITE / EFFECTIVITY

The ability to receive this STC depends on the helicopter's configuration and shall be verified with the STC holder.

> CERTIFICATION ORGANIZATION(S)

ANAC Brasil

Kannad™ 406 AF-H Emergency Locator Transmitter (ELT)

Reference: SK-MIC-112-EO-P-265

Applicable to version(s): B

ELT (Emergency Location Transmitter)

The Emergency Location Transmitter makes it possible to transmit a characteristic modulated signal on the international distress frequencies in order to facilitate the research and locate the helicopter and the crew in cases of crash or of serious damage. The ELT KANNAD 406 AF Compact installation replaces a previous ELT installation.

STC from Airbus Helicopters Deutschland Maintenance Center Kassel-Calden



> BENEFITS

- activation either automatically when the crash occurs (by means of a shock sensor) or manually (by means of a switch on the transmitter or on a remote control panel)
- Transmission on two frequencies: 121.5 MHz (mainly used for homing in the final stages of the rescue operations) and 406 MHz (used by the COSPAS-SARSAT satellites for precise pinpointing and identification of the aircraft in distress)
- It only transmits 112 bits for a short message (identification only).

> PRE-POST REQUISITE / EFFECTIVITY

Compliance is optional. The H/C has to be equipped with a previous ELT installation.

> CERTIFICATION ORGANIZATION(S)

EASA Europe

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+0.85 kg	+0.425 m.kg	3 Day(s)	On request	On request	eRFQ

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe, Mechanics	1 Day(s)
Avionics	2 Day(s)

Kannad™ 406 AF-H Emergency Locator Transmitter (ELT)

Reference: EC120-25-60-Mas (R0)

Applicable to version(s): B

Omni-directional signal system enables the emergency services to locate the position of the transmitter.

Two installations are proposed : Upgrading from Kannad 121 AF-H to 406 AF-H or a complete new installation, including :

- 1 Kannad 406 AF-H in cargo bay, with antenna (allowing operation in portable mode)
- 1 antenna on airframe RH outer skin
- 1 control panel RC200 on instrument panel

SB from Airbus Helicopters France (AHF)

Transmits on three international distress frequencies: 121.5 mhz, 243 mhz and 406 mhz. For aircraft already equipped with Kannad 121 AF-H : - delta weight and momentum is negligible - downtime is reduced to 0.5 day approx - installation time reduced to 4 hrs for an Avionics Technician



> BENEFITS

- Compliant with ICAO requirements concerning emergency locators/transmitters.

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
Negligible or + 1,82 kg depending on aircraft configuration.	Negligible or + 7,69 m.kg depending on aircraft configuration.	0,5 Day(s) or 2 Day(s) depending on aircraft configuration.	44 Week(s)	6303 - 11816 EUR (e.c. 2023)	eOrdering

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe, Electrical	0 or 6 Hour(s) depending on aircraft configuration
Avionics	4 or 8 Hour(s) depending on aircraft configuration

> PRE-POST REQUISITE / EFFECTIVITY

This service bulletin is applicable on aircraft not equipped with :

- MOD A00519 (KANNAD 406 AF-H tri-frequencies emergency beacon installation)
- The following installation also impact the applicability of the SB (will be selected in the CONFIGURATION ASSISTANT) :
- KANNAD 121 AF-H bi-frequency emergency beacon

> CERTIFICATION ORGANIZATION(S)

EASA Europe

L3 Lynx NGT-9000 or Garmin GTX 345 transponder ADS-B Out, plus In (Part 27)

Reference: VAHS-ADSB-SR02478AK-001

Applicable to version(s): B

ADS-B 'Out' transponder options from L3 and Garmin with enhanced 'In' functionality for the full range of Airbus light helicopters.

L3 Lynx NGT-9000 or Garmin GTX 345 solutions available with the following features:

- Panel mounted Mode S extended squitter (ES) transponder with intuitive touchscreen interface (touchscreen interface for L3 solution only)
- Dual-mode 1090ES ADS-B Out plus 1090 MHz and 978 MHz ADS-B In
- Internal rule-compliant position source (WAAS/GPS)
- MFD interface to show ADS-B traffic and weather data on compatible cockpit displays
- Options available for active traffic, antenna diversity and PED Wi-Fi connectivity
- Subscription-free ADS-B graphical and textual weather, including NEXRAD, METARs, winds & temps (available in the USA only)
- Moving maps, including TFRs, airport databases and NOTAMs (for L3 solution only)

Aircraft survey to be provided by StandardAero and completed by customer prior to confirmation of compatibility. End user can perform installation, or if StandardAero is to perform the installation, installation cost will be quoted following aircraft survey completion and review.

STC from StandardAero



> PRE-POST REQUISITE / EFFECTIVITY

StandardAero aircraft survey to be completed by customer and returned to confirm compatibility.

> CERTIFICATION ORGANIZATION(S)

FAA USA



> BENEFITS

- Modern retrofit upgrade that includes ADS-B In functionality, in addition to mandated ADS-B Out capability, resulting in increased situational awareness
- STC kit includes model-specific installation instructions for easy installation in the field
- Minimal aircraft downtime requirements for installation
- STC approval enhances aircraft resale value and is accepted internationally, reducing expenses associated with re-quantifying
- Wireless connectivity available for integration with Portable Electronic Devices (PEDs)
- If console space is limited, a remote mounted transceiver with a small control head is also available

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
1.94 kg	20,65	3 Day(s)	On request	15500 - 25000 USD (e.c. 2022)	eRFQ

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe, Electrical	10 Hour(s)
Avionics	32 Hour(s)

Position and anti-collision LED lights

Reference: EC120-33-004 (R0)

Applicable to version(s): B

This service bulletin consist in install position and anticollision LED lights.

The modification consists of:

- Replacing position (white, green, red) and anticollision incandescent bulb lights by LED lights
- Installing these lights on helicopter does not require modification of horizontal stabilizer or of vertical stabilizer tip

SB from Airbus Helicopters France (AHF)

This Service Bulletin is integrated in design of new helicopters built as from serial numbers 1489.



> BENEFITS

- The lifetime of LEDs is higher than lifetime of incandescent bulb lights.

WEIGHT	MOMENT	DOWNTIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+0,18 kg	+1,735 m.kg	0,5 Day(s)	20 Week(s)	5447 EUR (e.c. 2023)	eOrdering

> INSTALLATION TIME

QUALIFICATION

Avionics

INSTALLATION DURATION

2 Hour(s)

> PRE-POST REQUISITE / EFFECTIVITY

This service bulletin is applicable on aircraft whose serial number is lower than 1489.

> CERTIFICATION ORGANIZATION(S)

EASA Europe

Wire Strike Protection System (WSPS)

Reference: EC120-25-013 (R4)

Applicable to version(s): B

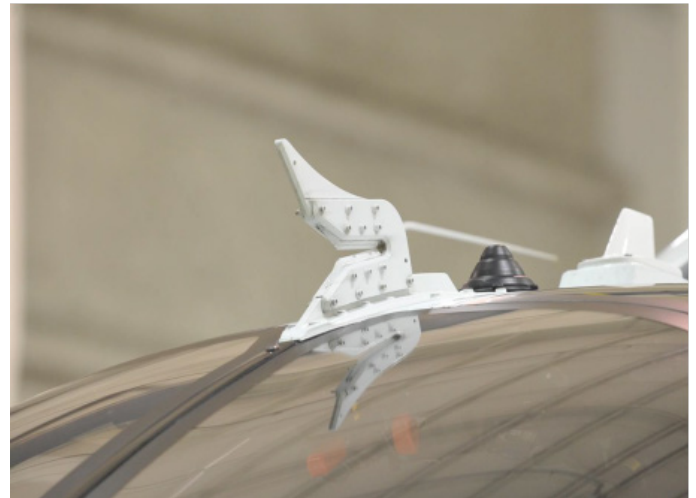
Installation of WSPS protection system.

The Cable Cutters offer a measure of protection against impacting horizontally strung cables. The cable-cutters are installed on the lower and upper canopy.

If aircraft is equipped with optional "electrical rear-view mirror", it must be modified by complying with Revision 1 of Service Bulletin No. 25-003 (wire deflector installation on rear-view mirror).

Wire-Strike Protection System installation is compatible with windscreen wiper optional equipment only further to installing windscreen wiper deflectors (Service Bulletin 30-002).

SB from Airbus Helicopters France (AHF)



> BENEFITS

- This installation is highly recommended by Airbus Helicopters for the improved safety of passengers and crew.

WEIGHT	MOMENT	DOWN TIME	LEAD TIME	PRICE RANGE	ONLINE CAT.
+ 4.58 kg	+ 9.26 m.kg	5 Day(s)	77 Week(s)	49081 EUR (e.c. 2023)	eOrdering

> PRE-POST REQUISITE / EFFECTIVITY

This service bulletin is applicable on aircraft not equipped with : WSPS installation (Wire-Strike Protection System)

> CERTIFICATION ORGANIZATION(S)

EASA Europe

> INSTALLATION TIME

QUALIFICATION	INSTALLATION DURATION
Airframe, Electrical	35 Hour(s)



Standard Conditions of Sale

1 - DEFINITIONS

o **Affiliate** means a company which Controls or is Controlled by the Customer or the Airbus Helicopters group of companies.

o **AOG** (Aircraft On Ground) means a situation in which the Helicopter is unable to fly or is ineligible to return to service because of an unscheduled need for replacement or major repair of components, that is not related to scheduled maintenance tasks.

o **BFE/CFE** means Buyer Furnished Equipment / Customer Furnished Equipment.

o **Certificate of Conformity** (or **Statement of Conformity**) means the document issued by the Seller's quality assurance organization after completion of procedures approved by the respective authorized national agency certifying the Product's conformity with the Seller's applicable specifications.

o **CAMO** means Continuing Airworthiness Management Organization.

o **Contract** means the agreement between the Parties of which these Standard Conditions of Sale form part, comprising the applicable Specific Annex(es) and the Purchase Order or Order Confirmation.

o **Control** (including with correlative meanings the terms "controlling", "controlled" and "under common control with"), shall mean the possession, directly or indirectly, whether through ownership of voting securities, by contract or otherwise of:

- a majority of the voting rights exercisable at general meetings of the controlled undertaking on all, or substantially all, matters, or,
- the power to appoint or remove directors having a majority of the voting rights exercisable at meetings of the board of directors on all, or substantially all, matters ; or
- a power to exert a dominant influence over the affairs of the controlled undertaking

o **Core Unit** means the used Part sent by the Customer to the Seller in case of exchange for an overhauled or repaired Part under the standard exchange service.

o **Customer** means the person, entity, or company to whom the Seller sells any Products and/or Services under the Contract.

o **Customer Centre** means a subsidiary or an Affiliate of the Seller.

o **Documentary Credit** means an irrevocable, confirmed and non-transferable documentary credit.

o **EASA** means European Aviation Safety Agency.

o **Helicopter** means helicopter manufactured by the Seller.

o **IT Service Provider(s)** mean(s) a third party(ies) contracted by the receiving Party that provide(s) IT services, project management services or other office management services and which may have administrative rights to sustain the IT systems.

o **Item** means transmission components, blades and/or equipment.

o **Order Confirmation** means the acknowledgement of receipt of the Customer's order by the Seller, i.e. either the confirmation sent by the Seller to the Customer to take into account the Customer's order or the approval sent by the Customer to the Seller on the Quotation.

o **Part** means a piece of an Item or a Product.

o **Party/Parties** mean either separately or collectively the Customer and/or the Seller.

o **Product(s)** means the goods to be provided by the Seller under the Contract in compliance with the applicable specification and/or definition, including all types of Helicopters, optional equipment, Spare Parts, tools, other equipment, documentation, technology, data, software on a Product (and any other goods mentioned in the Specific Annex(es), when applicable).

o **Production Organization Approval (POA)** means approvals issued by the respective competent authority to the Seller in compliance with EASA part 21/G regulation.

o **Purchase Order** (or **Order**) means the order covering the acquisition of Products and/or Services.

o **Quotation** means the priced offer and associated conditions, sent to the Customer by the Seller.

o **R&O** means the following activities: repair, overhaul, standard exchange, inspection and modification of an Item.

o **RMA** means Return Material Authorization format provided by the Seller for the purposes of the warranty article and/or R&O Service.

o **Seller** means Airbus Helicopters (SAS) located in Marignane, France and/or Airbus Helicopters Deutschland GmbH, located in Donauwörth, Germany.

o **Service(s)** means the services which may be performed under the Contract consisting of:

- performance of R&O
- Technical Data, technical assistance, technical expert services, and/or tool rental
- performance of Training,
- SaaS, and
- any other services mentioned under the Specific Annex(es), when applicable.

The specific Service(s) to be provided by the Seller under the Contract are specified therein.

o **SaaS (Software As A Service)** means a software application available online on an internet website and/or a software application available on defined mobile operating system(s).

o **Specific Annex** (or **Annex**) means the annex of the SCS outlining specific conditions.

o **Spare Parts** means new parts provided by the Seller.

o **SCS** means these general Standard Conditions of Sale for Products and Services.

o **SB** means Service Bulletin.

o **STC** means Supplemental Type Certificate and also refers to an equipment which has a STC.

o **TAT** means Turn Around Time, from the time the Seller receives the Customer's Item and its related and valid documents in its facility up to the time the Item is at the Customer's disposal Free Carrier (FCA) Incoterms® 2020 at Seller's facility, less the Customer's approval lead time and/or less lead time due to Customer's responsibility discrepancies.

o **Technical Data** (or **TechData**) means technical publications provided by the Seller.

o **Training Items** means training software, training documentation and courseware.

o **Training** means training need analysis, training courses, simulator sessions and on-the-job training.

o **TSN, TSO, TSR, TBO, OTL, SLL** mean respectively Time Since New, Time Since Overhaul, Time Since Repair, Time Between Overhaul, Operating Time Limit and Service Life Limit.

o **VAT** means Value Added Tax.

2 - SUBJECT AND SCOPE

These general Standard Conditions of Sale apply to any sale of Products and/or Services sold by the Seller to its Customer(s), excluding brokerage or other distributor activities. The purchase of the Products and/or Services by a Customer is considered to be performed within the framework of its professional activities.

These general Standard Conditions of Sale are supplemented by the relevant Specific Annex(es) as quoted hereinafter, when applicable:

- for Helicopter sales:

- Sale of new Helicopters and associated services
- Sale of pre-owned Helicopters and associated services

- and for Products (other than Helicopters) and Services:

- Sale of Spare Parts
- R&O Services
- Technical publications, technical assistance, technical expert services, tool rental
- Training Services and Training Items
- Helicopter maintenance, repair, overhaul, inspection, upgrade and retrofit
- SaaS

3 - PURCHASE ORDER / QUOTATION

3.1 Sale of Helicopters and associated Services – Purchase Order

The Contract shall be binding when signed by duly authorised representatives of both Parties and the delivery schedule shall become effective upon receipt by the Seller of the initial downpayment and subject to compliance by the Customer to article 4.1.

3.2 Products and Services sold independently of a Helicopter sale – Order issuance, acceptance

Customer's Orders shall be confirmed by the Seller in writing. The Contract shall become binding upon receipt by the Customer of the Seller's Order Confirmation and the delivery schedule shall become effective upon receipt by the Seller of the down-payment when relevant (as mentioned under article 6.2) and subject to compliance by the Customer to article 4.1.

In case the Customer requires a Quotation from the Seller, the Contract shall become binding when the Seller receives the Customer's written approval of such Quotation issued without changes. Said Quotation duly signed by the Customer shall constitute the Order Confirmation when received by the Seller.

3.3 Purchase Order modifications

3.3.1 Modifications to Purchase Order by the Seller

Pursuant to new manufacturing or engineering requirements, obsolescence or new regulations, the Seller shall be entitled to carry out modifications without the consent of the Customer, as long as these modifications do not affect the specification and/or performance of the Product and/or Services, and/or delivery time. Should the requirements affect specification and/or performance of the Product and/or Services, related costs and/or delivery time, the Seller and the Customer shall agree on the contractual consequences. Should the requirements affect specification and/or performance of the Product and/or Services, related costs and/or delivery time, the Parties shall agree on the contractual consequences.

3.3.2 Modifications to Purchase Order modifications by the Customer

Any changes or configuration changes requested by the Customer require prior mutual written agreement of the Parties and may lead to an adjustment of the price and/or delivery time.

4 - COMPLIANCE, EXPORT CONTROL, CUSTOMS

The Parties hereby undertake to comply at all times with all applicable laws and regulations in particular and not limited to national and international anti-corruption, anti-money laundering and any which impose economic, trade or other restrictive measures, or export, reexport licences or other authorisations in each case issued and enforced by a Sanctions Authority (together "Regulatory Rules").

For the purpose of the Contract,

- "Authorisation(s)" means the approval to export, re-export, transfer or retransfer but not limited to, a governmental licence as may refer to an exemption, an exception, or an agreement issued by the relevant authority under Export Regulations. "Export Regulations" means U.S., E.U. and any other applicable national export control, sanctions and embargoes laws and regulations issued by a Sanctions Authority or export control authority.
- "Sanctions Authority" means the United States of America (including, without limitation, the Department of State, the Department of Commerce and the Office of Foreign Assets Control (OFAC) of the US Department of the Treasury), the United Nations Security Council, the European Union, the United Kingdom or the government of any country with jurisdiction over the Parties.
- "Sanctioned Person" means:

a. any natural or legal person in any list of sanctioned persons of any Sanctions Authority (including the list of Specially Designated Nationals (SDN) and Sectorial or Sanctions Identifications (SSI) list, as issued and administered by OFAC); or

b. any natural or legal person directly or indirectly owned or Controlled by any one or several person(s) designated under (a) above.

4.1 Representation from the Customer and Know your Customer policy

The Customer undertakes to provide truthful, accurate and complete information to the Seller such as may be required by the Seller from time to time to comply with its obligations pursuant to the Regulatory Rules, including but not limited to information on the Customer's corporate structure and shareholding, or source of financing of the Contract.

Subject to articles 3.1 and 3.2, the Seller's obligations will only begin once the Seller has received from the Customer all required information and performed all necessary verifications pursuant to the Regulatory Rules and to the "Know your Customer" policy of the Seller. During Contract execution, a) failure by the Customer to comply with the Regulatory Rules and/or b) Customer becomes a Sanctioned Person and/or c) performance of either Party's obligations under the Contract would constitute a breach of Regulatory Rules and/or d) failure by the Customer to timely provide all necessary information and/or cooperate with the Seller, shall entitle the Seller to terminate the Contract forth with without any prior notice and liability whatsoever.

4.2 Export control

a) Each Party commits to act in compliance with all applicable Export Regulations. The Customer shall ensure that its supply chain and clients comply with Export Regulations when dealing with the Seller's Items.

b) The Parties acknowledge that performance by the Seller of its obligations under the Contract shall remain subject to obtaining, and to the terms of, any required Authorisation. The Seller shall not be held liable if an Authorisation is not granted or is granted with limited conditions and/or with delay or if an Authorisation that has been granted is amended, suspended, revoked or not renewed. Such event shall be considered as a force majeure event as defined in article 13.

In the event all or part of the Item is subject to import restrictions in the country of the Customer, the Customer shall apply for any relevant import authorisation required for the Seller to perform all or part of the Contract. In addition, the Customer is responsible to obtain the applicable Authorisation for the re-export/re-transfer of any Seller's Item.

Each Party agrees to provide to the other with any declarations or certifications required by Export Regulations and all information necessary to obtain and to comply with any required License (including providing without delay duly completed and signed enduser statement/certificate).

When the Products and Services under the Contract are subject to Authorisations, the Customer undertakes to abide by the content of Authorisations, including specific end-use/end-user and provisions/conditions. Prior to any change in the end-use/end-user or transfer of Item to any third party, the Customer shall notify the Seller thereof and follow the instructions given by the Seller.

c) Should the Customer be involved in ITAR Part 130 or 129, it is the Customer liability to comply with the applicable Export Regulations. The Customer duties is to request for the Seller any applicable declaration as required by the Export Regulations. In the event, the Customer provides to the Seller any USML Items (e.g. return for repair) then the Customer shall complete the corresponding form F provided by the Seller.

d) When the Customer provides any Item to the Seller under the Contract, the Customer shall ensure the required Authorisation is obtained prior to the delivery. In addition, the Customer shall provide in writing to Airbus each Item with all applicable export control classification(s) and the Authorisation number when applicable.

e) The Customer acknowledges that the Seller prior approval is required for the Customer to access any controlled Item and that such access can be granted, refused or revoked at any time by the Seller. To access any controlled Item provided by the Seller, the Customer shall complete and sign the template of compliance declaration for third Party Export Controlled Items access control provided by the Seller.

f) Each Party represents to the other as at the date hereof that neither it nor any of its natural or legal person that has Control over it is a Sanctioned Person. If at any time following the signature of the Contract, a Party or any of its natural or legal person that has Control over it becomes a Sanctioned Person or performance of a Party's obligations under the Contract would constitute a breach of Export Regulations (a "Sanctions Event"), the affected Party shall promptly notify the other Party and the Parties shall, to the extent permitted by applicable Export Regulations, consult with each other with a view to mitigating the effects of such Sanctions Event. Such consultation is without prejudice to the right of either Party to suspend its obligations under the Contract, including to the right of the Seller to deny the access to any digital tool or system when applicable, at any time following the occurrence of a Sanctions Event.

g) The Customer undertakes to use the Item exclusively for civil purpose and that, unless authorised by all applicable Export Regulations, it will not directly or indirectly sell, import, export, reexport, lease, sublease or operate the Item to or in (a) any country which is the subject of commercial, economic or financial restrictions pursuant to any applicable Export Regulations and/or, (b) to any Sanctioned Person.

4.3 Customs

If the Customer is in charge of the transportation, in case of intracommunity supply or exportation directly to a country outside the European Union, the Customer will have to provide to the Seller documentation for VAT purposes (proof of transportation and/or import declaration) to justify such intracommunity supply or exportation.

Irrespective of the applicable Incoterm, if Products are exported directly to a country outside the European Union, the Seller will provide appropriate export customs documentation to the Customer or its designated freight forwarder. The Customer guarantees correct closure of the related customs procedure in due time on leaving the European Union or the country of dispatch. In case of non-compliance, the Customer shall be liable for any additional costs and charges imposed on the Seller by the national tax administration.

5 - PRICES

5.1 General

Prices are stated and payable in Euros.

Helicopter prices and the prices of other Products and Services sold together with Helicopters are according to the baseline Helicopter definition in force at the date of signature of the Contract and to the specific configuration and scope detailed in the Contract.

For Products and Services sold independently of Helicopters, all invoices for Products and Services will be at the prices stated in the relevant Seller's price list in force, or in the relevant Quotation. The Seller's price lists are subject to regular updates.

Prices relate to Products and Services delivered in accordance with the Incoterms mentioned in each Specific Annex of these SCS.

5.2 Duties and taxes, VAT

Prices are exclusive of taxes, duties and/or charges resulting from administrative and legislative regulations in force in any country other than the Seller's country and of any customs and duty charges, which shall be borne by the Customer.

Prices are exclusive of VAT or sale taxes or turnover taxes or other similar taxes. If applicable, such taxes will be charged in addition.

5.3 Additional costs/ Chargeable amounts

Prices, unless otherwise stipulated in the Contract, do not include any preparation, packing and crating charges nor any modifications carried out at Customer's request before and after delivery, expenses incurred for the inspection of Products by third parties, expenses relating to freight forwarding, carriage by sea, air or land, ferry-flight, storage and insurance costs incurred after Customer's acceptance.

For all Orders below a minimum amount of two hundred (200) Euros, the Seller reserves the right to invoice a minimum amount of two hundred (200) Euros.

6 - PAYMENTS

6.1 General

The payment obligation will be considered fulfilled at the time the due amount is irrevocably credited in full to the Seller's bank account. The Customer shall make the payment by bank transfer (swift), which, on the Seller's request, may be secured by a stand-by letter of credit or a Documentary Credit.

Subject to article 14.1.2 any down-payments (including intermediate) made before acceptance are non-refundable, as they are necessary to cover the production, procurement, financial, administrative and other costs.

In the event of payment by Documentary Credit, the Customer shall at the time of the initial down-payment and/or Purchase Order, open at its own expense, a Documentary Credit in favour of the Seller for the Contract price, reduced by the initial down-payment, if any. The Documentary Credit shall permit partial deliveries and shall be valid for the total specified period of delivery or performance plus three (3) months covering the time required for preparing the necessary documents and for performing the payment. Should the Documentary Credit expire before full delivery is completed, the Customer shall in due time extend, at its expense, the Documentary Credit without any need for action in this respect on the part of the Seller. The Documentary Credit shall be payable at sight in favour of the Seller as deliveries are made upon presentation of the following documents by the Seller to the bank:

- In case of Helicopter sale :

- Commercial invoice in triplicate,
- Statement of conformity or Certificate of Conformity for Helicopters and optional equipment installed therein,
- Authorized release certificate (EASA Form 1) for packed optional equipment and Spare Parts and
- Certificate of Conformity for miscellaneous parts and tools which are not subject to installation on Helicopter.

- In case of Products and Services sold independently of a Helicopter sale :

- Commercial invoice in duplicate, and
- Any document specified by the Seller and mentioned under the Contract.

As well, the stand-by letter of credit shall be opened at Customer's expense and payable upon presentation by the Seller on first demand to the bank of the here-above described documents.

6.2 Payment terms

6.2.1 Sale of Helicopters and associated Services

The Customer shall make the following payments:

- An initial down payment of thirty (30) per cent of the contractual amount no later than fifteen (15) calendar days after the signature of the Contract,

- An intermediate down payment of

- Twenty (20) per cent of the contractual amount, six (6) months prior to delivery for H125, H130, H135 and H145 Helicopters, or
- Thirty (30) per cent of the contractual amount, nine (9) months prior to delivery for H160, H175, H215 and H225 Helicopters,

- The balance of the total contractual amount at the time of the acceptance of the Products and Services and prior to delivery.

In case of sale of pre-owned helicopter(s), the Customer shall make the following payments:

- An initial down payment of thirty (30) per cent of the contractual amount no later than fifteen (15) calendar days after the signature of the Contract,

- The balance of the total contractual amount at the time of the acceptance of the Products and prior to delivery.

6.2.2 Products and Services sold independently of a Helicopter sale

For any Order (except as specified hereinafter), the Customer shall make the following payments:

- Upon Contract signature, a thirty (30) per cent down payment of the total amount of the Contract shall be paid by the Customer no later than fifteen (15) calendar days following the date of invoice;

- Upon delivery of the Products / performance of the Services, the balance of the invoiced amount of the delivered Products or Items / performed Services shall be paid by the Customer no later than thirty (30) calendar days following the date of invoice.

Nevertheless, for Spare Part Orders not exceeding two hundred thousand (200,000) Euros and for R&O Service Orders not exceeding fifty thousand (50,000) Euros, full payment shall be made upon delivery no later than thirty (30) calendar days following the date of invoice.

Payment terms for Services such as, but not limited to, SaaS or Helicopter maintenance, repair, overhaul, upgrade, retrofit or inspection, are specific and defined in the relevant Specific Annex.

Without prejudice to article 6.3, should the Customer be in a situation of past due balance exceedance towards the Seller, the Seller is entitled, without prior notice, to

- alter the terms of payment and request cash in advance payment for any Order and/or

- postpone any Product delivery or Service performance ordered by the Customer to the Seller in any agreement without any liability whatsoever to the Seller; the Seller may charge the Customer for any additional costs and/or expenses incurred as a result of such postponement, such as but not limited to storage, maintenance, loss of training slot.

Unless otherwise agreed, no discount shall be granted by the Seller to the Customer in case of early payment.

6.3 Late payment remedies

Payment shall under no circumstances be postponed or apportioned for any reason whatsoever. Consequently, in case of late payment, the Customer shall pay to the Seller interest on the unpaid amount at the rate calculated on the basis of ten (10) percentage points per annum computed on the basis of 365 days/year and the actual number of days elapsed since the due date until the actual date of payment without any need for a formal demand or any prior notice.

Without prejudice to the above, should the Customer fail to pay or in the event of a delay in payment, the Seller will be entitled to extend the schedule for an equivalent time period and/or suspend performance of the Contract and/or in all cases, definitively retain the amount of any payments already made by the Customer. The retention of any such payment shall not preclude the Seller from seeking compensation from the Customer for further damages and/or costs. In the event of a delay or failure by the Customer to pay for more than two (2) months, the Seller shall be entitled to terminate the Contract for default of the Customer under the conditions defined in article 14.1.1.

In addition, when French law is applicable as per article 15, the Customer shall also be liable to the Seller for a fixed amount of forty (40) Euros for cost recovery fees pursuant to French code of commerce article L. 441-6. If the actual costs incurred by the Seller in recovering unpaid sums exceed forty (40) Euros, the Seller shall be entitled to ask for additional compensation upon producing evidence of such actual costs.

7 - QUALITY ASSURANCE AND AIRWORTHINESS

7.1 General

Airbus Helicopters and Airbus Helicopters Deutschland GmbH hold

- a POA issued by EASA according to Part 21/G regulation,

- a maintenance organisation approval in compliance with the EASA Part 145 regulation, as issued by its respective national civil aviation authorities, and

- a training organisation approval in compliance with the EASA Part 147 for maintenance staff and helicopter Part FCL (Flight Crew Licensing) for aircrews as issued by its respective national civil aviation authorities.

The privileges of an approved production organization include the issuance of airworthiness documents.

The Seller holds a CAMO approval certificate issued by its national civil aviation authority in compliance with EASA Part M/ Subpart G.

The official recognition that Products and repaired / overhauled / standard exchange

Items have satisfied the quality assurance procedures is certified by the issuance of the following documents:

For Helicopter(s) in baseline definition and installed optional equipment:

- A Statement of Conformity or Certificate of Conformity issued by the Seller's quality organization to certify compliance with the contractual specification,

- An Aircraft Statement of Conformity (EASA Form 52) for Helicopters sold to customers of EASA member states signed by the Seller's authorized certifying staff within the above mentioned POA. The EASA Form 52 allows the issuance by the national civil aviation authority of the certificate of airworthiness for the European countries members of EASA, or

- A certificate of airworthiness for export, for Helicopters sold outside the European Union, issued by EASA upon submission by the Seller of the above mentioned original Helicopter Statement of Conformity (EASA Form 52),

- For the concerned components/equipment, a logcard,

- Upon request, a certificate of non-registration issued by the national civil aviation authority.

For optional equipment delivered packed, Spare Parts and repaired / overhauled / standard exchange Items:

- Upon request, a Certificate of Conformity or other equivalent document issued by the Seller's authorized certifying staff, for standard components,

- An authorized release certificate (EASA Form 1) for other certified components or non-standard Spare Parts issued on behalf of the national civil aviation authority by the Seller or the Seller's selected workshop,

- A logcard if applicable For new parts/Items: a hard copy or a digital one at the Customer's choice,

For other parts/Items: if the Customer is using the paper format, in the same format as provided by the Customer, the previous customer or previous user as applicable; if the Customer is using the digital format, a digital one,

- A dual or tri release if required through a bi/tri lateral agreement between authorities (e.g. Federal Aviation Regulation (FAR) 145 / Transport Canada Civil Aviation (TCCA) 145).

For miscellaneous parts and tools which are not subject to installation on the Helicopter (if applicable):

- A Certificate of Conformity issued by the Seller's authorized certifying staff.

The Customer that has its civil helicopter registered in a country under EASA regulation is responsible of any task related to the management of the continuing airworthiness of the helicopter or shall transfer this obligation by signing a contract with a CAMO in order to ensure the proper accomplishment of the airworthiness management activities in accordance with the regulations in force (Part M/ Subpart G). Upon signature of the Contract with the Seller, the Customer shall indicate who will assume the responsibility of the CAMO.

7.2 Modifications after delivery

The Seller will notify the Customer of any modifications that the competent national airworthiness agency has decided to impose on Helicopters or Spare Parts of the same type. In the event of such modifications, the Seller shall make available to the Customer, within a reasonable time, at the latter's request and expense, the equipment kits required to incorporate such modifications to the Helicopter and Spare Parts previously delivered. For this purpose, the Customer shall receive at no additional cost the technical information bulletins relating to the type of Helicopter mentioned in the Contract for as long as at least one (1) Helicopter of the type remains in service with the Customer.

During the Customer's acceptance activities, it may perform acceptance flights, the combined time of which shall not exceed per Helicopter one (1) flight hour for H125, H130, H135 and H145 Helicopters and two (2) flight hours for H160, H175, H215 and H225 Helicopters.

Acceptance flights will follow the format and procedures described in the Acceptance Test Document(s) provided by the Seller and shall be carried out under the responsibility of a Seller's pilot acting as pilot in command.

Unless a major deviation from the specification is found during the Customer's acceptance, the Customer shall accept the Helicopters as being in conformity with the contractual specifications. The acceptance shall be acknowledged by the Customer's signature of an acceptance certificate, designated as "Acceptance Protocol" and/or "Acceptance and Transfer of Ownership Protocol". As indicated in the Ready for Acceptance notice, if the acceptance certificate is not signed within the above acceptance time period, and without such absence of signature being duly justified in writing explaining the precise reason of the rejection and the contractual grounds thereof, or if the Customer does not attend the acceptance procedure, the acceptance shall be deemed to have been granted by the Customer after the above mentioned time period.

8.2 Acceptance of Products (other than the Helicopters) and Services

A Certificate of Conformity or equivalent document is issued by the Seller for Products other than the Helicopters. With regards to Products other than Helicopters, the Customer shall check and notify any defect and/or non-conformity with the Order and/or missing associated documentation in a documented registered letter:

o within twenty one (21) calendar days as from the date the Seller has notified that the Product is ready to be collected, or

o in case of Products delivered CIP or DAP Incoterms® 2020, the time frames for acceptance are the following:

- forty eight (48) hours for AOG Orders,
- fifteen (15) calendar days after delivery for Training Items and/or Technical Data

and claims against the carrier shall be made within three (3) working days as from the date of receipt of the Product. Any return of Products with defect and/or non-conformity shall be subject to the Seller's prior written approval and shall be packed with the original or appropriate packing and freighted in accordance with the Seller's instructions. After expiry of said periods, the Customer's acceptance of the Products shall be deemed given unless the Customer's refusal is duly substantiated in writing and explaining the precise reason of the refusal and the contractual grounds thereof.

For the Services, except SaaS, a certificate of completion of Services or assignment sheet shall be issued once the Service has been performed. The Customer shall sign the form certifying that the Service has been provided in accordance with the Contract. Unless the Customer's refusal is duly substantiated in writing and explains the precise reason of the refusal and the contractual grounds thereof, the Service shall be deemed accepted five (5) working days after issuance of the certificate of completion of the Services or of the assignment sheet. SaaS, including any and all of their supporting elements and content, are provided on an "as is" and "as available" basis.

8.3 Collection of Products

After the transfer of ownership, the Customer shall collect the Helicopter within two (2) weeks in case of ferry flight or within one (1) month, if it is to be dismantled or conditioned for sea, air or road transport.

If pilot's training has been contractually agreed to take place following the acceptance of the Customer's Helicopter, said duration shall be extended by the time required to train its pilot(s) on its Helicopter.

The Customer shall collect any optional (i.e. not installed on Helicopter) packed equipment, Spare Parts, R&O Items and/or tools:

o within four (4) weeks for Products sold together with Helicopters

o within fifteen (15) calendar days otherwise following the notification by the Seller to the Customer of its availability.

If the Customer fails to pick up its Products within the above mentioned periods of time:

o The Customer shall reimburse the Seller any expenses incurred by the Seller such as maintenance, storage, insurance, taxes and associated damages and interest if any, levies, etc. The foregoing does not constitute any obligation for the Seller to maintain, store or insure the Products beyond the date the Products should have been collected.

o The Seller may terminate the Contract as per article 14.1.1 and shall not be liable for any loss or damages incurred by the Customer as a consequence of such termination.

In the event that the Products are delivered in consigned containers, the Customer shall return said containers at its expense within fifteen (15) calendar days after they are made available to the Customer by the freight forwarder. After the expiry of this period, the Seller shall be entitled to invoice the container at its current price.

8.4 Transfer of ownership and risk

8.4.1 Helicopters

Transfer of ownership of the Product shall be subject to the prior fulfilment by the Customer of its obligations, in particular full payment of the balance of the Contract and interest, if any. Upon signature of the "Acceptance Protocol" or the "Acceptance and Transfer of Ownership Protocol" by the Parties and upon full payment of the Contract price, the ownership of the Products is transferred from the Seller to the Customer. The Seller shall also immediately issue the bill of sale.

All risks relating to the loss of or damage to the Products shall pass to the Customer upon transfer of ownership following delivery, as per the Incoterms specified in the "Specific Annex applying to the Sale of New Helicopters and associated Services".

Until the transfer of risks to the Customer, the Seller shall maintain for the activities to be performed by the Seller an insurance coverage, scope, limits of cover and duration of which are as wide as what is usually practiced in the aviation industry.

From the transfer of ownership to the Customer,

o the Customer shall effect and maintain, at its own cost, an appropriate insurance coverage, including but not limited to a hull all risk and hull war risk insurance coverage;

o with respect to the Customer's hull all risk and hull war risk insurance coverage, the Customer shall cause the insurers of the Customer's hull insurance policies to waive all rights of subrogation against the Seller, its assignees and its directors, officers, agents and employees.

From the transfer of risks, the Customer shall bear all risks related to the Helicopter and waive the right of any recourse of any nature whatsoever against the Seller, its assignees and its directors, officers, agents and employees to this respect.

In case of collection of the Product by the Customer as per article 8.3, the Seller shall remain liable for any damage to the Products due to the Seller's negligence, gross negligence or willful misconduct until the collection of the Product provided that the collection is made in the timeframe defined in the three first paragraphs of article 8.3.

At Customer's request and costs, and according to the terms of the Contract, the Seller will dismantle and package the Helicopter for transportation after the transfer of ownership.

8.4.2 Products other than Helicopters

The transfer of ownership of any Products other than Helicopters shall take place:

o at the Seller's facility, at the time of their collection by the forwarding agent appointed by the Customer, or

o in case of Products delivered CIP or DAP Incoterms® 2020, at the mentioned delivery place,

and shall be subject to the prior performance by the Customer of its obligations in particular the full payment of the delivered Products and interest, if any.

As a result, should the Customer fail to pay according to the contractual payment terms, the Seller reserves the right to terminate the Contract through notification sent by registered letter and, if the Products are already delivered, to demand that said Products be returned. If the laws of the country where the Products are delivered do not allow the Seller to regain ownership, the Seller shall be entitled to benefit from any other rights that such laws may confer. The Customer shall implement all measures necessary to protect the Seller's aforementioned rights. In all cases, this will not prevent the Seller from claiming any damages.

Risk of loss or damage to the Products is transferred to the Customer at the time of delivery of the Products by the Seller as determined by the agreed Incoterms® 2020.

8.5 Adherence to the delivery date

Adherence to the delivery date is conditioned upon the Customer fulfilling all of its contractual obligations.

9 - WARRANTY

9.1 General

The Seller warrants that the Products and Services provided, except the turbine engine(s), specific equipment with a STC mentioned in the Contract (if any) and MEGHAS avionics equipment, are free from defects in material and workmanship under normal use and service and that software identified in the applicable Helicopter specification substantially provides the functions set forth in the said specification or in the applicable SB.

The turbine engine(s) as well as the MEGHAS avionics equipment installed in the Helicopter and STCs equipment identified in the Contract are covered by the warranty granted by the manufacturers of these items (Safran Helicopter Engines, Pratt & Whitney and Thales and the STC holder), the benefits of which the Seller hereby assigns on to the Customer who hereby acknowledges and accepts such assignment.

As soon as possible but no later than fifteen (15) calendar days after the discovery of a defect, the Customer shall furnish to the Seller, by using a warranty claim form provided by the Seller, the full details of its claim and the basis thereof. As soon as it receives the said form, the Seller will forward to the Customer a warranty claim acknowledgment and a RMA form. Within fifteen (15) calendar days following the receipt of such documents the Customer shall return the allegedly defective Parts to the Seller. If the Customer fails to return the allegedly defective Parts in due time, the Seller reserves the right to invoice the replacement Parts which have been ordered or produced for the Customer at the price stated in the relevant Seller's price list in force, or in the relevant Quotation.

The Seller will compensate reasonable transportation costs outbound from the Customer premises to the Seller's premises for the repairable Parts for which the benefit of the warranty has been granted by the Seller. The Customer shall send the invoice to the Seller by the end of each quarter and in any case not later than three (3) months after the acceptance by the Seller of the warranty claim. Corresponding credit notification will be issued on a quarterly basis by the Seller and shall be applicable to Spare Parts and/or R&O invoice(s). Insurance, customs expenses and other charges as well as the expenses incurred by the Customer for the removal, re-installation, calibration and troubleshooting operations with respect to such Parts shall be borne by the Customer.

However, during the first year of the warranty of a new civil Helicopter, for each valid warranty claim, the Seller will compensate in kind the Customer for reasonable labour charges related to warranty issues on the basis of removal and re-installation of the concerned Part(s) (troubleshooting excluded). These labour charges flat rates in force are defined by the Seller per category and are available to the Customer on request. Such compensation shall be cumulated on a monthly basis under the form of a credit which shall be valid for one (1) year and shall be used by the Customers for paying ordered Spare Parts. If applicable, the Customer hereby authorizes the Seller to grant the credit to the company who manages and performs the warranty claim on its behalf for the final benefit of the said Customer.

Said credit(s) shall not apply in case of Customer's default, such as, but not limited to, late payment and payment failure.

For Parts for which the benefit of the warranty has been granted by the Seller, the return transportation costs to the Customer premises shall be borne by the Seller.

The warranty exclusions are as follows:

- Parts and any associated costs incurred for scheduled maintenance, or
- if the Customer has failed to notify the Seller of its warranty claim within fifteen (15) calendar days from the failure occurrence date, or
- if the supply and/or any part thereof is stored, freighted, operated, maintained, installed, repaired or overhauled otherwise than in accordance with the manuals, documentation and instructions delivered by the Seller, or
- in the event that maintenance activities have not been properly entered in the appropriate logbook (or in case of failure to produce the logbook to the Seller if so requested), or
- if the defective Product or any part thereof has been repaired or altered otherwise than as instructed by the Seller or its subcontractors/suppliers, or
- if the Product or any part thereof has suffered an accident, or
- in the event of a defect that is the result of normal wear and tear, or
- if the Product has not been delivered by the Seller, or
- if such Product or any part thereof is not properly stored and protected in accordance with instructions delivered by the Seller, or
- if the defect is partly or wholly caused by a defective item not provided by the Seller, or
- if the software or the host media is exposed to any computer virus or to any condi-

tions in excess of those published in the applicable manuals, documentation and instructions delivered by the Seller, as well as any alteration and/or modification not validated by the Seller, having an impact on the software, or

- normal wear and tear of item(s) such as, but not limited to, seals, tires, inner tubes, bulbs, packings and similar consumables parts.

The warranty is granted to the Customer personally.

As a consequence, should the Customer sell a Helicopter during the warranty period, it undertakes to notify the Seller of the new owner's name at the time of the transfer of title. Notwithstanding, any request for warranty transfer to any third party within the six (6) months following the Helicopter's delivery is subject to the prior written consent of the Seller. Should the Customer want the warranty to be managed by a third party, it shall then provide the Seller with a power of attorney authorizing the said third party to act on its behalf.

The warranty constitutes the Seller's sole liability in case of breach of the warranty obligation, and is exclusive and in lieu of any other warranty or remedy available under the Contract or at law (to the extent permitted at law).

9-2 Warranty period

The Seller's obligation under the warranty is limited to the repair - or replacement at the Seller's discretion - of the allegedly defective Products or Services that have been returned to its facility and, at the time of any repair or replacement have been recognized by the Seller after expert investigation as defective. To be eligible under this warranty, the alleged failure must have occurred within the time-limits mentioned here-after:

o For new civil Helicopter(s) in baseline definition and installed optional equipment:

- Within two thousand (2,000) flying hours or thirty six (36) months after their acceptance at the Seller's factory, whichever event occurs first.

o For Spare Part(s) and SB kit(s):

- Within one thousand (1,000) flying hours or twelve (12) months from the time they are fitted to the Helicopters or twenty four (24) months after their delivery from the Seller's factory, whichever event occurs first.

o For tool(s):

- Within twenty four (24) months after their delivery from the Seller's factory.

o For Training Item(s):

- Within the twelve (12) months after their delivery from the Seller's factory.

o For repaired, overhauled and standard exchange Items, and used Part(s):

- Within five hundred (500) flying hours or six (6) months from the time they are fitted to the Helicopters or twelve (12) months after their delivery from the Seller's site, whichever event occurs first.
- For repaired Item, the warranty is limited to the repair done and/or the Parts replaced.

o For tools repaired, overhauled or returned for calibration:

- Within twelve (12) months after their delivery from the Seller's site.

o For workmanship:

- Within five hundred (500) flying hours or six (6) months from the signature date of the acceptance certificate for such workmanship by both Parties, whichever event occurs first.

o Warranty periods in case of sale of pre-owned Helicopter(s) are defined in the relevant Specific Annex.

Software identified in the applicable Helicopter specification shall only be considered as non-conforming, if there are substantial deviations of the functions supported by software from the Helicopter specifications. The Seller will remedy such non-conforming software for the considered Helicopter by, at its sole discretion, either providing a correction release of the software or by finding a reasonable workaround. The Customer shall supply the Seller with all necessary information and documentation in its possession, to enable the Seller to investigate and rectify such non-conforming software. The Seller warrants the software identified in the applicable Helicopter specification provided that any alleged non-conformity is notified by the Customer to the Seller within one hundred and eighty (180) calendar days from the date of delivery of the Helicopter to the Customer.

The warranty conditions for software embedded in the delivered Spare Parts or in the delivered repaired/overhauled/ standard exchange Item shall be the ones applicable to the software delivered with the Helicopter, as mentioned in the previous paragraph.

Any SaaS, including any and all of their supporting elements and content, are provided

8 - ACCEPTANCE AND TRANSFER OF OWNERSHIP AND RISK

8.1 Helicopter acceptance activities

8.1.1 Helicopter acceptance activities by the Seller

Prior to Customer's acceptance activities for new Helicopters, the Seller shall perform production ground and flight tests on Helicopters. Flight tests will not exceed per Helicopter:

- Twenty (20) flight hours for H125, H130, H135 and H145 or,
 - Thirty (30) flight hours for H160 and H175 or,
 - Fifty (50) flight hours for H215 and H225.
- Equipment and components may be delivered with up to fifty (50) hours and/or the remaining time of equipment and components may be reasonably affected by the industrial cycle. Additional hours may be flown in the event that development and installation of specific equipment is requested by the Customer. The cost of such additional hours shall be borne by the Customer. Helicopter non conformities with certified definition, which have an impact on Helicopter operation and maintenance by the Customer, shall be submitted to the Customer for approval.

Upon satisfactory completion of the Seller's acceptance activities, a Certificate of Conformity will be issued by the Seller. As from the date of issuance of this document, the Helicopters shall be deemed ready for Customer's acceptance, referred to as the "Ready for Acceptance" date.

8.1.2 Helicopter acceptance activities by the Customer

Not later than (1) month prior to the date on which a Helicopter is to be Ready for Acceptance by the Customer, the Seller will provide the Customer with a procedure describing the acceptance process (organization, schedule, documents, etc) and document(s) defining the flight tests that could be performed by the Customer (hereinafter referred to as "Acceptance Test Document(s)"). The purpose of these tests is not to re-perform certification tests. These documents shall be valid for all Helicopters of the same type.

Within one (1) week after receipt of the Ready for Acceptance notice, the Customer shall send to the Seller the information required from the Customer's representatives in order to be admitted to the Seller's premises. The Customer's inspection team shall not exceed three (3) persons.

The acceptance activities by the Customer shall not exceed, per Helicopter:

- One (1) day for H125, H130, H135 and H145, or
- Two (2) days for H160, or
- Three (3) days for H175, H215 and H225.

The Customer shall bear its own expenses and costs related to the Customer acceptance activities including but not limited to travel and accommodation of its representatives during this process.

During the Customer's acceptance activities, it may perform acceptance flights, the combined time of which shall not exceed per Helicopter one (1) flight hour for H125, H130, H135 and H145 Helicopters and two (2) flight hours for H160, H175, H215 and H225 Helicopters.

Acceptance flights will follow the format and procedures described in the Acceptance Test Document(s) provided by the Seller and shall be carried out under the responsibility of a Seller's pilot acting as pilot in command.

Unless a major deviation from the specification is found during the Customer's acceptance, the Customer shall accept the Helicopters as being in conformity with the contractual specifications. The acceptance shall be acknowledged by the Customer's signature of an acceptance certificate, designated as "Acceptance Protocol" and/or "Acceptance and Transfer of Ownership Protocol". If the acceptance certificate is not signed within the above acceptance time period, and without such absence of signature being duly justified in writing explaining the precise reason of the rejection and the contractual grounds thereof, or if the Customer does not attend the acceptance procedure, the acceptance shall be deemed to have been granted by the Customer.

8.2 Acceptance of Products (other than the Helicopters) and Services

A Certificate of Conformity or equivalent document is issued by the Seller for Products other than the Helicopters.

With regards to Products other than Helicopters, the Customer shall check and notify any defect and/or non-conformity with the Order and/or missing associated documentation in a documented registered letter:

- within twenty one (21) calendar days as from the date the Seller has notified that the Product is ready to be collected, or
- in case of Products delivered CIP or DAP, the time frames for acceptance are the following:
 - forty eight (48) hours for AOG Orders,
 - fifteen (15) calendar days after delivery for Training Items and/or technical publications

and claims against the carrier shall be made within three (3) working days as from the date of receipt of the Product. After expiry of said periods, the Customer's acceptance of the Products shall be deemed given unless the Customer's refusal is duly substantiated in writing and explaining the precise reason of the refusal and the contractual grounds thereof.

For the Services, except SaaS, a certificate of completion of Services or assignment sheet shall be issued once the Service has been performed. The Customer shall sign the form certifying that the Service has been provided in accordance with the Contract. Unless the Customer's refusal is duly substantiated in writing and explains the precise reason of the refusal and the contractual grounds thereof, the Service shall be deemed accepted five (5) working days after issuance of the certificate of completion of the Services or of the assignment sheet. SaaS, including any and all of their supporting elements and content, are provided on an "as is" and "as available" basis.

8.3 Collection of Products

After the transfer of ownership, the Customer shall collect the Helicopter within two (2) weeks in case of ferry flight or within one (1) month if it is to be dismantled or conditioned for sea, air or road transport.

If pilot's training has been contractually agreed to take place following the acceptance of the Customer's Helicopter, said duration shall be extended by the time required to train its pilot(s) on its Helicopter.

The Customer shall collect any optional (i.e. not installed on Helicopter) packed equipment, Spare Parts, R&O Items and/or tools:

- within four (4) weeks for Products sold together with Helicopters
- within fifteen (15) calendar days otherwise following the notification by the Seller to the Customer of its availability.

If the Customer fails to pick up its Products within the above mentioned periods of time:

- The Customer shall reimburse the Seller any expenses incurred by the Seller such as maintenance, storage, insurance, taxes and associated penalties if any, levies, etc. The foregoing does not constitute any obligation for the Seller to maintain, store or insure the Products beyond the date the Products should have been collected.
- The Seller may terminate the Contract as per article 14.2 and shall not be liable for any loss or damages incurred by the Customer as a consequence of such termination.

In the event that the Products are delivered in consigned containers, the Customer shall return said containers at its expense within fifteen (15) calendar days after they are made available to the Customer by the freight forwarder. After the expiry of this period, the Seller shall be entitled to invoice the container at its current price.

8.4 Transfer of ownership and risk

8.4.1 Helicopters

Transfer of ownership of the Product shall be subject to the prior fulfilment by the Customer of its obligations, in particular full payment of the balance of the Contract and interest, if any. Upon signature of the "Acceptance Protocol" or the "Acceptance and Transfer of Ownership Protocol" by the Seller and the Customer and upon full payment of the Contract price, the ownership of the Products is transferred from the Seller to the Customer. The Seller shall also immediately issue the bill of sale.

All risks relating to the loss of or damage to the Products shall pass to the Customer upon transfer of ownership following delivery, as per the Incoterms specified in the Specific Annex applying to the sale of new Helicopters and associated Services.

Until the transfer of risks to the Customer, the Seller shall maintain an insurance coverage whose the scope, the limits of cover and the duration are as wide as what is usually practiced in the aviation industry for the activities to be performed by the Seller.

From the transfer of ownership to the Customer,

- the Customer shall effect and maintain, at its own cost, an appropriate insurance coverage, including but not limited to a hull all risk and hull war risk insurance coverage;
- with respect to the Customer's hull all risk and hull war risk insurance coverage, the Customer shall cause the insurers of the Customer's hull insurance policies to waive all rights of subrogation against the Seller, its assignees and its directors, officers, agents and employees.

From the transfer of risks, the Customer shall bear all risks related to the Helicopter and waive the right of any recourse of any nature whatsoever against the Seller, its assignees and its directors, officers, agents and employees to this respect.

In case of collection of the Product by the Customer as per article 8.3, the Seller shall remain liable for any damage to the Products due to the Seller's negligence, gross negligence or wilful misconduct until the collection of the Product provided that the collection is made in the timeframe defined in the two first paragraphs of article 8.3.

At Customer's request and costs, and according to the terms of the Contract, the Seller will dismantle and package the Helicopter for transportation after the transfer of ownership.

8.4.2 Products other than Helicopters

The transfer of ownership of any Products other than Helicopters shall take place after fulfilment of export customs formalities by the Seller (when applicable):

- at the Seller's facility, at the time of their collection by the forwarding agent appointed by the Customer, or

- in case of Products delivered CIP or DAP, at the mentioned delivery place, and shall be subject to the prior performance by the Customer of its obligations in particular the full payment of the delivered Products and interest, if any.

As a result, should the Customer fail to pay according to the contractual payment terms, the Seller reserves the right to terminate the Contract through notification sent by registered letter and, if the Products are already delivered, to demand that said Products be returned.

As a result, should the Customer fail to pay according to the contractual payment terms, the Seller reserves the right to terminate the Contract through notification sent by registered letter and, if the Products are already delivered, to demand that said Products be returned. If the laws of the country where the Products are delivered do not allow the Seller to regain ownership, the Seller shall be entitled to benefit from any other rights that such laws may confer. The Customer shall implement all measures necessary to protect the Seller's aforementioned rights. In all cases, this will not prevent the Seller from claiming any damages.

Risk of loss or damage to the Products is transferred to the Customer at the time of delivery of the Products by the Seller as determined by the agreed Incoterms® 2020.

8.5 Adherence to the delivery date

Adherence to the delivery date is conditioned upon the Customer fulfilling all of its contractual obligations.

8.6 Helicopter ownership chain

Without any time limit, the Customer will inform the Seller of any resale of Helicopter(s). This information will be provided in writing and within fifteen (15) days from transfer of ownership to the Customer's buyer and shall include the identity of the new owner and, if available, of the operator.

9 - WARRANTY

9.1 General

The Seller warrants that the Products and Services provided, except the turbine engine(s),

specific equipment with a STC mentioned in the Contract (if any) and MEGHAS avionics equipment, are free from defects in material and workmanship under normal use and service and that software identified in the applicable Helicopter specification substantially provides the functions set forth in the said specification or in the applicable SB.

The turbine engine(s) as well as the MEGHAS avionics equipment installed in the Helicopter and STCs equipment identified in the Purchase Order are covered by the warranty granted by the manufacturers of these items (Safran Helicopter Engines, Pratt & Whitney and Thales and the STC holder), the benefits of which the Seller hereby assigns on to the Customer who hereby acknowledges and accepts such assignment.

As soon as possible but no later than fifteen (15) calendar days after the discovery of a defect, the Customer shall furnish to the Seller, by using a warranty claim form provided by the Seller, the full details of its claim and the basis thereof. As soon as it receives the said form, the Seller will forward to the Customer a warranty claim acknowledgment and a RMA form. Within fifteen (15) calendar days following the receipt of such documents the Customer shall return the allegedly defective Parts to the Seller. If the Customer fails to return the allegedly defective Parts in due time, the Seller reserves the right to invoice the replacement Parts which have been ordered or produced for the Customer at the price stated in the relevant Seller's price list in force, or in the relevant Quotation.

The Seller will compensate reasonable transportation costs outbound from the Customer premises to the Seller's premises for the repairable Parts for which the benefit of the warranty has been granted by the Seller. The Customer shall send the invoice to the Seller by the end of each quarter and in any case not later than three (3) months after the acceptance by the Seller of the warranty claim. Corresponding credit notification will be issued on a quarterly basis by the Seller and shall be applicable to Spare Parts and/or R&O invoice(s). Insurance, customs expenses and other charges as well as the expenses incurred by the Customer for the removal, re-installation, calibration and troubleshooting operations with respect to such Parts shall be borne by the Customer.

However, during the first year of the warranty of a new civil Helicopter (except H215 one), for each valid warranty claim, the Seller will compensate in kind the Customer for reasonable labour charges related to warranty issues on the basis of removal and re-installation of the concerned Part(s) (troubleshooting excluded). These labour charges flat rates in force are defined by the Seller per category and are available to the Customer on request. Such compensation shall be cumulated on a monthly basis under the form of a credit which shall be valid for one (1) year and shall be used by the Customers for paying ordered Spare Parts. If applicable, the Customer hereby authorizes the Seller to grant the credit to the company who manages and performs the warranty claim on its behalf for the final benefit of the said Customer.

Said credit(s) shall not apply in case of Customer's default, such as, but not limited to, late payment and payment failure.

For Parts for which the benefit of the warranty has been granted by the Seller, the return transportation costs to the Customer premises shall be borne by the Seller.

The warranty exclusions are as follows:

- in the event that maintenance activities have not been properly entered in the appropriate logbook (or in case of failure to produce the logbook to the Seller if so requested), or

- in the event of a defect that is the result of normal wear and tear, or

- Parts and any associated costs incurred for scheduled maintenance, or

- if the Parts have been stored, protected, freighted, operated, maintained, installed, altered, repaired or overhauled otherwise than in accordance with the manuals, documentation and instructions delivered by the Seller or its subcontractors/suppliers, or

- if the Parts has suffered an accident, or

- if a defect of the Part(s) alleged by the Customer is not confirmed during the technical expertise done by the Seller, or

- if the Parts have not been delivered by the Seller, or

- if the defect is partly or wholly caused by a defective item not provided by the Seller, or

- if the software or the host media is exposed to any computer virus or to any conditions in excess of those published in the applicable manuals, documentation and instructions delivered by the Seller, as well as any alteration and/or modification not validated by the Seller, having an impact on the software, or

8 - ACCEPTANCE AND TRANSFER OF OWNERSHIP AND RISK

8.1 Helicopter acceptance activities

8.1.1 Helicopter acceptance activities by the Seller

Prior to Customer's acceptance activities for new Helicopters, the Seller shall perform production ground and flight tests on Helicopters. Flight tests will not exceed per Helicopter:

- Twenty (20) flight hours for H125, H130, H135 and H145 or,
 - Thirty (30) flight hours for H160 and H175 or,
 - Fifty (50) flight hours for H215 and H225.
- Equipment and components may be delivered with up to fifty (50) hours and/or the remaining time of equipment and components may be reasonably affected by the industrial cycle. Additional hours may be flown in the event that development and installation of specific equipment is requested by the Customer. The cost of such additional hours shall be borne by the Customer. Helicopter non conformities with certified definition, which have an impact on Helicopter operation and maintenance by the Customer, shall be submitted to the Customer for approval.

Upon satisfactory completion of the Seller's acceptance activities, a Certificate of Conformity will be issued by the Seller. As from the date of issuance of this document, the Helicopters shall be deemed ready for Customer's acceptance, referred to as the "Ready for Acceptance" date.

8.1.2 Helicopter acceptance activities by the Customer

Not later than (1) month prior to the date on which a Helicopter is to be Ready for Acceptance by the Customer, the Seller will provide the Customer with a procedure describing the acceptance process (organization, schedule, documents, etc) and document(s) defining the flight tests that could be performed by the Customer (hereinafter referred to as "Acceptance Test Document(s)"). The purpose of these tests is not to re-perform certification tests. These documents shall be valid for all Helicopters of the same type.

Within one (1) week after receipt of the Ready for Acceptance notice, the Customer shall send to the Seller the information required from the Customer's representatives in order to be admitted to the Seller's premises. The Customer's inspection team shall not exceed three (3) persons.

The acceptance activities by the Customer shall not exceed, per Helicopter:

- One (1) day for H125, H130, H135 and H145, or
- Two (2) days for H160, or
- Three (3) days for H175, H215 and H225.

The Customer shall bear its own expenses and costs related to the Customer acceptance activities including but not limited to travel and accommodation of its representatives during this process.

During the Customer's acceptance activities, it may perform acceptance flights, the combined time of which shall not exceed per Helicopter one (1) flight hour for H125, H130, H135 and H145 Helicopters and two (2) flight hours for H160, H175, H215 and H225 Helicopters.

Acceptance flights will follow the format and procedures described in the Acceptance Test Document(s) provided by the Seller and shall be carried out under the responsibility of a Seller's pilot acting as pilot in command.

Unless a major deviation from the specification is found during the Customer's acceptance, the Customer shall accept the Helicopters as being in conformity with the contractual specifications. The acceptance shall be acknowledged by the Customer's signature of an acceptance certificate, designated as "Acceptance Protocol" and/or "Acceptance and Transfer of Ownership Protocol". If the acceptance certificate is not signed within the above acceptance time period, and without such absence of signature being duly justified in writing explaining the precise reason of the rejection and the contractual grounds thereof, or if the Customer does not attend the acceptance procedure, the acceptance shall be deemed to have been granted by the Customer.

8.2 Acceptance of Products (other than the Helicopters) and Services

A Certificate of Conformity or equivalent document is issued by the Seller for Products other than the Helicopters.

With regards to Products other than Helicopters, the Customer shall check and notify any defect and/or non-conformity with the Order and/or missing associated documentation in a documented registered letter:

- within twenty one (21) calendar days as from the date the Seller has notified that the Product is ready to be collected, or
- in case of Products delivered CIP or DAP, the time frames for acceptance are the following:
 - forty eight (48) hours for AOG Orders,
 - fifteen (15) calendar days after delivery for Training Items and/or technical publications

and claims against the carrier shall be made within three (3) working days as from the date of receipt of the Product. After expiry of said periods, the Customer's acceptance of the Products shall be deemed given unless the Customer's refusal is duly substantiated in writing and explaining the precise reason of the refusal and the contractual grounds thereof.

For the Services, except SaaS, a certificate of completion of Services or assignment sheet shall be issued once the Service has been performed. The Customer shall sign the form certifying that the Service has been provided in accordance with the Contract. Unless the Customer's refusal is duly substantiated in writing and explains the precise reason of the refusal and the contractual grounds thereof, the Service shall be deemed accepted five (5) working days after issuance of the certificate of completion of the Services or of the assignment sheet. SaaS, including any and all of their supporting elements and content, are provided on an "as is" and "as available" basis.

8.3 Collection of Products

After the transfer of ownership, the Customer shall collect the Helicopter within two (2) weeks in case of ferry flight or within one (1) month if it is to be dismantled or conditioned for sea, air or road transport.

If pilot's training has been contractually agreed to take place following the acceptance of the Customer's Helicopter, said duration shall be extended by the time required to train its pilot(s) on its Helicopter.

The Customer shall collect any optional (i.e. not installed on Helicopter) packed equipment, Spare Parts, R&O Items and/or tools:

- within four (4) weeks for Products sold together with Helicopters
- within fifteen (15) calendar days otherwise following the notification by the Seller to the Customer of its availability.

If the Customer fails to pick up its Products within the above mentioned periods of time:

- The Customer shall reimburse the Seller any expenses incurred by the Seller such as maintenance, storage, insurance, taxes and associated penalties if any, levies, etc. The foregoing does not constitute any obligation for the Seller to maintain, store or insure the Products beyond the date the Products should have been collected.
- The Seller may terminate the Contract as per article 14.2 and shall not be liable for any loss or damages incurred by the Customer as a consequence of such termination.

In the event that the Products are delivered in consigned containers, the Customer shall return said containers at its expense within fifteen (15) calendar days after they are made available to the Customer by the freight forwarder. After the expiry of this period, the Seller shall be entitled to invoice the container at its current price.

8.4 Transfer of ownership and risk

8.4.1 Helicopters

Transfer of ownership of the Product shall be subject to the prior fulfilment by the Customer of its obligations, in particular full payment of the balance of the Contract and interest, if any. Upon signature of the "Acceptance Protocol" or the "Acceptance and Transfer of Ownership Protocol" by the Seller and the Customer and upon full payment of the Contract price, the ownership of the Products is transferred from the Seller to the Customer. The Seller shall also immediately issue the bill of sale.

All risks relating to the loss of or damage to the Products shall pass to the Customer upon transfer of ownership following delivery, as per the Incoterms specified in the Specific Annex applying to the sale of new Helicopters and associated Services.

Until the transfer of risks to the Customer, the Seller shall maintain an insurance coverage whose the scope, the limits of cover and the duration are as wide as what is usually practiced in the aviation industry for the activities to be performed by the Seller.

From the transfer of ownership to the Customer,

- the Customer shall effect and maintain, at its own cost, an appropriate insurance coverage, including but not limited to a hull all risk and hull war risk insurance coverage;
- with respect to the Customer's hull all risk and hull war risk insurance coverage, the Customer shall cause the insurers of the Customer's hull insurance policies to waive all rights of subrogation against the Seller, its assignees and its directors, officers, agents and employees.

From the transfer of risks, the Customer shall bear all risks related to the Helicopter and waive the right of any recourse of any nature whatsoever against the Seller, its assignees and its directors, officers, agents and employees to this respect.

In case of collection of the Product by the Customer as per article 8.3, the Seller shall remain liable for any damage to the Products due to the Seller's negligence, gross negligence or wilful misconduct until the collection of the Product provided that the collection is made in the timeframe defined in the two first paragraphs of article 8.3.

At Customer's request and costs, and according to the terms of the Contract, the Seller will dismantle and package the Helicopter for transportation after the transfer of ownership.

8.4.2 Products other than Helicopters

The transfer of ownership of any Products other than Helicopters shall take place after fulfilment of export customs formalities by the Seller (when applicable):

- at the Seller's facility, at the time of their collection by the forwarding agent appointed by the Customer, or

- in case of Products delivered CIP or DAP, at the mentioned delivery place, and shall be subject to the prior performance by the Customer of its obligations in particular the full payment of the delivered Products and interest, if any.

As a result, should the Customer fail to pay according to the contractual payment terms, the Seller reserves the right to terminate the Contract through notification sent by registered letter and, if the Products are already delivered, to demand that said Products be returned.

As a result, should the Customer fail to pay according to the contractual payment terms, the Seller reserves the right to terminate the Contract through notification sent by registered letter and, if the Products are already delivered, to demand that said Products be returned. If the laws of the country where the Products are delivered do not allow the Seller to regain ownership, the Seller shall be entitled to benefit from any other rights that such laws may confer. The Customer shall implement all measures necessary to protect the Seller's aforementioned rights. In all cases, this will not prevent the Seller from claiming any damages.

Risk of loss or damage to the Products is transferred to the Customer at the time of delivery of the Products by the Seller as determined by the agreed Incoterms® 2020.

8.5 Adherence to the delivery date

Adherence to the delivery date is conditioned upon the Customer fulfilling all of its contractual obligations.

8.6 Helicopter ownership chain

Without any time limit, the Customer will inform the Seller of any resale of Helicopter(s). This information will be provided in writing and within fifteen (15) days from transfer of ownership to the Customer's buyer and shall include the identity of the new owner and, if available, of the operator.

9 - WARRANTY

9.1 General

The Seller warrants that the Products and Services provided, except the turbine engine(s),

specific equipment with a STC mentioned in the Contract (if any) and MEGHAS avionics equipment, are free from defects in material and workmanship under normal use and service and that software identified in the applicable Helicopter specification substantially provides the functions set forth in the said specification or in the applicable SB.

The turbine engine(s) as well as the MEGHAS avionics equipment installed in the Helicopter and STCs equipment identified in the Purchase Order are covered by the warranty granted by the manufacturers of these items (Safran Helicopter Engines, Pratt & Whitney and Thales and the STC holder), the benefits of which the Seller hereby assigns on to the Customer who hereby acknowledges and accepts such assignment.

As soon as possible but no later than fifteen (15) calendar days after the discovery of a defect, the Customer shall furnish to the Seller, by using a warranty claim form provided by the Seller, the full details of its claim and the basis thereof. As soon as it receives the said form, the Seller will forward to the Customer a warranty claim acknowledgment and a RMA form. Within fifteen (15) calendar days following the receipt of such documents the Customer shall return the allegedly defective Parts to the Seller. If the Customer fails to return the allegedly defective Parts in due time, the Seller reserves the right to invoice the replacement Parts which have been ordered or produced for the Customer at the price stated in the relevant Seller's price list in force, or in the relevant Quotation.

The Seller will compensate reasonable transportation costs outbound from the Customer premises to the Seller's premises for the repairable Parts for which the benefit of the warranty has been granted by the Seller. The Customer shall send the invoice to the Seller by the end of each quarter and in any case not later than three (3) months after the acceptance by the Seller of the warranty claim. Corresponding credit notification will be issued on a quarterly basis by the Seller and shall be applicable to Spare Parts and/or R&O invoice(s). Insurance, customs expenses and other charges as well as the expenses incurred by the Customer for the removal, re-installation, calibration and troubleshooting operations with respect to such Parts shall be borne by the Customer.

However, during the first year of the warranty of a new civil Helicopter (except H215 one), for each valid warranty claim, the Seller will compensate in kind the Customer for reasonable labour charges related to warranty issues on the basis of removal and re-installation of the concerned Part(s) (troubleshooting excluded). These labour charges flat rates in force are defined by the Seller per category and are available to the Customer on request. Such compensation shall be cumulated on a monthly basis under the form of a credit which shall be valid for one (1) year and shall be used by the Customers for paying ordered Spare Parts. If applicable, the Customer hereby authorizes the Seller to grant the credit to the company who manages and performs the warranty claim on its behalf for the final benefit of the said Customer.

Said credit(s) shall not apply in case of Customer's default, such as, but not limited to, late payment and payment failure.

For Parts for which the benefit of the warranty has been granted by the Seller, the return transportation costs to the Customer premises shall be borne by the Seller.

The warranty exclusions are as follows:

- in the event that maintenance activities have not been properly entered in the appropriate logbook (or in case of failure to produce the logbook to the Seller if so requested), or

- in the event of a defect that is the result of normal wear and tear, or

- Parts and any associated costs incurred for scheduled maintenance, or

- if the Parts have been stored, protected, freighted, operated, maintained, installed, altered, repaired or overhauled otherwise than in accordance with the manuals, documentation and instructions delivered by the Seller or its subcontractors/suppliers, or

- if the Parts has suffered an accident, or

- if a defect of the Part(s) alleged by the Customer is not confirmed during the technical expertise done by the Seller, or

- if the Parts have not been delivered by the Seller, or

- if the defect is partly or wholly caused by a defective item not provided by the Seller, or

- if the software or the host media is exposed to any computer virus or to any conditions in excess of those published in the applicable manuals, documentation and instructions delivered by the Seller, as well as any alteration and/or modification not validated by the Seller, having an impact on the software, or

15 - APPLICABLE LAW AND DISPUTE RESOLUTION

The Contract shall be governed by German law for the sale of Products and/or Services by Airbus Helicopters Deutschland GmbH and by French law for the sale of Products and/or Services by Airbus Helicopters. Irrespective of the applicable law, the United Nations Convention for the international sale of goods is excluded.

The Parties shall attempt to amicably settle any dispute, controversy or claim arising out or in connection with the Contract, including through mediation (under the authority of a neutral, independent mediator to be jointly appointed by the Parties). If two (2) months after the occurrence of such dispute, controversy or claim, the Parties have failed to reach an agreement (unless they agree to extend the amicable phase), then the dispute, controversy or claim shall be settled as follows, depending on the contractual aggregate amount:

- A dispute will be finally settled under the rules of arbitration of the International Chamber of Commerce (ICC) by three (3) arbitrators appointed in accordance with the said rules.

- In the specific case of a dispute of which the aggregate amount does not exceed ten million (10 000 000) Euros, the Parties agree to opt for a fast track arbitration process in accordance with the ICC rules.

The place of arbitration shall be Geneva (Switzerland) and the language of the arbitration shall be English.

However, in all cases, should the Seller elect to choose a local court jurisdiction due to arbitration not being adapted to the specific nature of the dispute, in particular the need for immediate injunctive relief or to recover sums due, then such local court will be competent to settle the dispute.

The Parties hereby consent and agree to be subject to the jurisdiction of the aforesaid courts and/or arbitration and, to the greatest extent permitted by the applicable law, the Parties hereby waive any right to seek to avoid the jurisdiction of the above courts on the basis of the doctrine of forum non conveniens.

Unless otherwise agreed by both Parties, the fact that any dispute has been referred to arbitration pursuant to this article shall not relieve either Party from any of its obligations as set out in the Contract.

16 - DATA EXCHANGE

16.1 General

In order to improve the Products, their reliability and availability and the Customer services, the Seller has set up a data exchange process based on maintenance and operational data coming from the Customer's helicopters in service. The Data will notably consist of:

- Helicopter data generated by on-board recording systems,
- information system data, such as maintenance, operation, logistics and airworthiness data and
- data loaded to, transmitted by and/or stored as well as data generated by the SaaS as a result of the use of the SaaS.

For these purposes, the Customer, or its designated entity for operations and/or maintenance, hereby authorizes the Seller on a free and non-exclusively basis:

- to collect such Data.
- to use the Data to create processed data (data which is reconciled, enriched, qualified and analysed by AH) (hereinafter the "Processed data"),
- to anonymize such Processed data (Processed data which is anonymized, not enabling to identify the Customer) (hereinafter the "Anonymous data"),
- to disclose Data, Anonymous data and Processed data internally only to those of its employees (for the avoidance of doubt, this shall include temporary agency workers and freelancers) and/or Customer Centres having a need to have access to such data for the purpose (*) stated below,
- to disclose Data and Processed Data to partners, suppliers and/or subcontractors of AH (i) having a need to have access to such data for the purpose (*) stated below and (ii) being bound by confidentiality obligations,

- to disclose Anonymous data to partners, suppliers and/or subcontractors of the AH for the purpose (*) stated below,

- to use and disclose to customers Anonymous data (including after being complemented with additional sources of anonymous data) for the purpose (**) stated below, and

- to store Data, Processed data and Anonymous data.

(*) Disclosure shall be for the purpose of further software & service development, helicopter improvement & expert analysis.

(**) Trend monitoring, benchmarking services, report issuance, analyses and customer workshops for helicopter maturity.

Data, Anonymous data and Processed data may also be used for the purposes of supporting the Customer subject to a specific agreement.

16.2 Data confidentiality and intellectual property

The Parties agree that any and all Data disclosed by the Customer or its designated entity to AH shall be deemed confidential. Nevertheless, AH shall be entitled to disclose Data and Processed data to the persons and entities and at the conditions described under article 16.1 above. Anonymous data (including after being complemented with additional sources of anonymous data) can however be used and disclosed by the Seller without being subject to any confidentiality limitations/obligations.

AH owns all foreground intellectual property and know-how, if any, generated by the outcome of the analysis of the Data, Processed data and/or Anonymous data.

16.3 Data related liability

Notwithstanding anything to the contrary in the Contract, the Seller or its Customer Centers shall not be liable toward the Customer or its designated entity in the frame of the analysis of the Data and/or in connection with the Customer's helicopter maintenance, repair and flight operations as a result of the disclosure of confidential information by the Customer or its designated entity to the Seller or its Customer Centers or as the result of any exchange or analysis of information collected through the process.

17 - MISCELLANEOUS

These SCS along with the applicable Specific Annex(es) and Purchase Order (or Order) constitute the entire agreement between the Seller and the Customer. They supersede all previous communications and/or agreements either oral or written, between the Seller and the Customer with respect to the Products or Services.

In the event that one (1) or more of the articles provided for in these SCS is deemed invalid or unenforceable, the remaining provisions shall remain entirely valid and applicable.

English shall be the language of the Contract. Both Parties shall use English as the language to exchange, issue and deliver information, documentation and notices, and any related documents excluding those documents which might be produced by a governmental institution in the local language.

In the Contract, unless the contrary intention appears:

- headings are for the purpose of convenient reference only and do not form part of the Contract;

- where the last day of any period prescribed for the doing of an action falls on a day which is not a working day in the country of the applicable law, the action shall be done no later than the end of the next working day.

In case of any contradictions and discrepancies between the parts of the Contract, precedence shall be given in the following decreasing order:

- 1) Purchase Order, Order or Order Confirmation (as applicable)
- 2) Present SCS
- 3) Specific Annex(es)
- 4) Other Annexes and/or appendices in their order of appearance.

The provisions of the confidentiality, intellectual property, liability, applicable law and dispute resolution articles of the Contract shall survive and continue to have effect after the termination or expiry for any reason whatsoever of the Contract, and for a period of thirty (30) years thereafter.

No term or provision hereof will be considered waived by either Party, and no breach excused by either Party, unless such waiver or consent is in writing and signed by the Party against whom the waiver is asserted. No consent by either Party to, or waiver of, a breach by either Party, whether express or implied, will constitute a consent to, waiver of, or excuse of any other, different or subsequent breach by either Party.

Any variation or modification of the Contract shall be made in writing through an amendment and signed by duly authorised representatives of each Party.

The relationship between the Seller and the Customer is solely that of purchaser and seller. No joint venture or partnership is intended nor will any be construed from the Contract. Neither Party will have the authority to enter into contracts on behalf of or bind the other in any respect.

The Customer shall not be entitled, without the prior written consent of the Seller, to assign or transfer to a third party all or part of the rights and obligations under the Contract.

STANDARD CONDITIONS OF SALE SPECIFIC ANNEX APPLYING TO THE SALE OF SPARE PARTS

B1 - GENERAL

This Specific Annex, subject to SCS, is applicable to sale of Spare Parts, including tools, SB kits and STCs performed by the Seller to any Customer in order to maintain and/or operate Helicopters.

B2 - DELIVERY AND INCOTERMS

Unless the Contract stipulates another Incoterm, Spare Parts shall be delivered packed Free Carrier (FCA) Incoterms® 2020 at the Seller's site or logistic platform as specified in the Purchase Order.

In case of unavailability of the Spare Parts or of raw material, the Seller shall be entitled to make partial deliveries.

B3 - ORDER'S TYPOLOGY AND SPECIFICITIES

B3-1 Planned Purchase Orders

Purchase Orders of Spare Parts shall be considered as planned Purchased Orders if the requested delivery date is above two (2) weeks from the date of receipt by the Seller of a valid Customer's Order (Order Date), under FCA Incoterms® 2020 defined in Article B2. In case of complete or partial modification of the Order, the date of receipt shall be updated accordingly.

For each Order line of any planned and confirmed Purchased Orders, the Seller shall commit on delivery performance, except for critical part(s) as mentioned in the Order Confirmation. In case of late delivery, the Seller will grant to the Customer a credit under the conditions defined hereafter:

- If the Spare Part(s) ordered is(are) "on collection" as identified in the Seller's price list in force and is(are) delivered by the Seller after the delivery date requested by the Customer, the credit per delayed Spare Part shall depend on the timeframe between the requested delivery date and the Order Date, under FCA Incoterms® 2020 defined in Article B2, as follows:
 - Timeframe of fifteen (15) calendar days up to thirty (30) calendar days: eight (8) per cent of the invoiced value of the Spare Part; the total credit per Order's line shall not exceed four thousand (4 000) euros;
 - Timeframe of thirty one (31) calendar days up to sixty (60) calendar days: twelve (12) per cent of the invoiced value of the Spare Part; the total credit per Order's line shall not exceed six thousand (6 000) euros;
 - Timeframe of more than sixty (60) calendar days: sixteen (16) per cent of the invoiced value of the Spare Part; the total credit per Order's line shall not exceed eight thousand (8 000) euros.
- If the Spare Part(s) ordered is(are) "on demand" as identified in the Seller's price list in force, the Seller shall propose a delivery date and commit on it in the Order Confirmation. If the Seller delivers the Spare Part(s) on demand after the said committed delivery date, the credit per delayed Spare Part shall equal to sixteen (16) per cent of the invoiced value of the Spare part; the total credit per Order's line shall not exceed eight thousand (8 000) euros.
- The credit shall not apply in case of an event disrupting the logistic flow for reasons not attributable to the Seller.
- The eligible credits shall be cumulated from 1st of January to 31st December of year n and the related total amount will be then granted under the form of a credit which shall be valid from 1st of April until 31st December of year n+1 and shall be used by the Customers for paying ordered Spare Parts. Said credit shall not apply in case of Customer's default, such as, but not limited to, late payment and payment default.

If the Contract stipulates another Incoterm than FCA Incoterms® 2020, the conditions for

allocating the credit are subject to adjustments and shall be agreed between the Parties.

B3-2 Rush Purchase Orders

The Rush Purchase Order is an Order with a requested delivery time below two (2) weeks from the date of its receipt by the Seller, the Customer not being in AOG situation.

B3-3 AOG Purchase Orders

To guarantee an efficient service to the Customer and respond quickly to any situation where the Customer's Helicopter is AOG, the Seller provides a twenty four (24) hours a day/seven (7) days a week AOG service. The AOG service is available for Orders of Spare Parts which are essential to put a Helicopter back into service or to enable it to perform its mission.

Any Spare Parts listed in the Seller's illustrated Parts catalog can be ordered by the Customer via AOG service, except main assemblies, raw materials, ingredients and hazardous materials.

The AOG service is provided to the Customer at the price stated in the relevant Seller's price list in force or in the relevant Quotation plus a surcharge fee of three hundred (300) euros (excluding transportation) charged per confirmed AOG Order. A flat rate for transportation cost will be added to the price of Spare Parts.

The Customer shall also mention in writing regarding any AOG Order placed to the Seller, the following information:

- Part number/ nomenclature
- Failure description and reason of removal
- Quantity required for the specific AOG
- Ship to address

The Seller, by sending an Order Confirmation, shall confirm in writing to the Customer the price and the delivery time within twelve (12) hours after receipt of the Customer's Order.

The Spare Parts already available in the Seller's inventory upon receiving the Order from the Customer will be delivered packed Carriage Insurance Paid (CIP) Incoterms® 2020 to the nearest international airport to the Customer and within seventy two (72) hours after receipt by the Seller of the Customer's Order, depending on the delivery location.

The Customer may order in AOG the concerned Spare Parts in accordance with the quantity fitted on the Helicopter. If several line items are ordered, the Seller has the right to make partial deliveries, depending on the availability of the Spare Parts.

The Customer shall check the Spare Parts provided in AOG conditions, notify any recognisable defects in a documented registered letter within forty eight (48) hours as from the date the Spare Parts have been received by the Customer and place them at Seller's disposal.

B4 - SB kit and STC

Unless otherwise specified, the kits originated from SB or STC modification are defined on the basis of the "as-delivered" configuration (i.e. the configuration of the Helicopter at the time of transfer of title from the Seller to the original customer). It is the responsibility of the Customer to make sure that the actual configuration of the Helicopter corresponds to the pre-mod configuration of the relevant SB or STC installation instruction. Any deviation of the actual configuration that requires the amendment of the SB or the STC installation instruction shall be charged to the Customer on a time and material basis.

Unless otherwise specified, the STC is sold to the Customer with the certification(s) as listed in the catalog and specified in the offer. It is the responsibility of the Customer to make sure that such certification(s) are acceptable to its competent airworthiness authority before the installation of the kit. The Seller will provide all reasonable support to the Customer for the additional certification or validation of the existing certification(s) at the latter's sole expense on a time and material basis.

The STC holder of the Product shall retain full responsibility for the type design definition its own Product (configuration, definition, necessary changes and continuing airworthiness). The Seller does not warrant the compatibility of the STC with future mandatory or non-mandatory modifications.

Contacts

Please contact your usual AIRBUS HELICOPTERS commercial interface

AIRBUS

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