



**No. EC155-31-028**

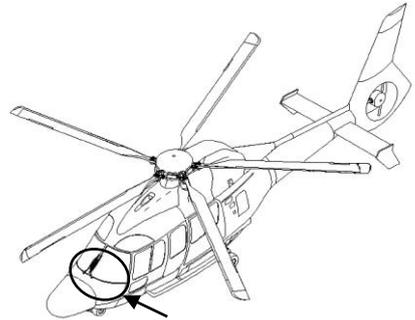
Civil version(s): B, B1

# SERVICE BULLETIN

## OBSOLESCENCE MANAGEMENT

### INDICATING AND RECORDING SYSTEMS - Display system Mixability of Smart Multifunction Display (SMD) screen 45

Related to modification 0731C06



For the attention of



| Revision No. | Date of issue |
|--------------|---------------|
| Revision 0   | 2021-09-09    |

### Summary:

The function of this Service Bulletin is to make sure that the mixability between the Smart Multifunction Display (SMD) 45 NVG and SMD 45 non-NVG is permitted because of obsolescence of the SMD 45 non-NVG MP/N: C19209VG11 (P/N: 704A45751182).

### Compliance:

It is the operator's decision to comply or not to comply with this Service Bulletin.

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### 1. PLANNING INFORMATION



#### **CAUTION**

MAKE SURE THAT THE MODIFICATIONS RELATED TO THIS SERVICE BULLETIN AGREE WITH THE HELICOPTER CONFIGURATION AT THIS TIME. IF THE MODIFICATIONS DO NOT AGREE WITH THE HELICOPTER CONFIGURATION:

- PREPARE THE NECESSARY ADAPTATION WORK.
- GET THE APPROVAL BY THE APPLICABLE LOCAL AIR TRANSPORT AUTHORITIES.
- COMPLY WITH THE AIRWORTHINESS REQUIREMENTS.

THIS SERVICE BULLETIN IS WRITTEN FOR THE INITIAL HELICOPTER CONFIGURATION SPECIFIED IN THE INDIVIDUAL INSPECTION LOG BOOK. IT INCLUDES ONLY THE POST-DELIVERY CONFIGURATION CHANGES WHICH ARE KNOWN AND APPROVED BY AIRBUS HELICOPTERS.

#### 1.A. EFFECTIVITY

##### 1.A.1. Helicopters/installed equipment or parts

Helicopters:

- That have SMD 45 non-NVG MP/N: C19209VG11 (P/N: 704A45751182)
- That did not embody MOD 0731C06.

#### **NOTE**

*You can identify the modification status of the helicopter in the Section of applied modifications records in the Individual Inspection Log Book and/or the Aircraft Log Book.*

##### 1.A.2. Non-installed equipment or parts

SMD 45 non-NVG MP/N: C19209VG11 (P/N: 704A45751182)

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### 1.B. ASSOCIATED REQUIREMENTS



#### CAUTION

THIS SERVICE BULLETIN INSTALLS A SMART MULTIFUNCTION DISPLAY SCREEN. BEFORE YOU COMPLY WITH THIS SERVICE BULLETIN, MAKE SURE THAT THERE WAS NO ALERT SERVICE BULLETIN RELATED TO THIS INSTALLATION. IF THERE IS SUCH ALERT SERVICE BULLETIN, MAKE SURE THAT IT IS NOT ISSUED BETWEEN THE DATES THAT FOLLOW:

- THE DATE OF APPROVAL OF THIS SERVICE BULLETIN
- THE TIME YOU DO THE WORK GIVEN IN THIS SERVICE BULLETIN ON THE HELICOPTER.



#### CAUTION

BEFORE YOU START THE WORK, MAKE SURE THAT THE APPLICABLE MANUALS ARE AT THE LATEST UPDATE APPROVED BY THE APPLICABLE AUTHORITIES. THE APPLICABLE MANUALS INCLUDE:

- FLIGHT MANUAL
- REFER TO PARAGRAPH [3.D.](#)

### 1.C. REASON

The function of this Service Bulletin is to make sure that the mixability between the Smart Multifunction Display (SMD) 45 NVG and SMD 45 non-NVG is permitted because of obsolescence of the SMD 45 non-NVG MP/N: C19209VG11 (P/N: 704A45751182).

### 1.D. DESCRIPTION

This Service Bulletin includes the work steps that follow:

- Removal of SMD 45 non-NVG MP/N: C19209VG11 (P/N: 704A45751182)
- Sending of SMD 45 non-NVG back to the manufacturer
- Receipt and check of SMD 45 NVG MP/N: C19267VG11 (P/N: 704A45751184)
- Installation and configuration of the new SMD 45 NVG.

### 1.E. COMPLIANCE

#### 1.E.1. Compliance at H/C manufacturer level

Not applicable.

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#### 1.E.2. Compliance in service

##### Helicopters/installed equipment or parts:

It is the operator who does the work on the helicopter.

Comply with paragraph [3.](#) of this Service Bulletin.

##### Non-installed equipment or parts:

It is the operator who makes the decision on the replacement of stock and the level of new stock related to compliance with this Service Bulletin.

#### 1.F. APPROVAL

##### Approval of modifications:

The information or instructions relate to modification 0731C06, which was approved through CRD DA07.31C06C Issue 1 on July 13, 2021 under the authority of EASA Design Organization Approval No. 21J.700 for civil version helicopters subject to an Airworthiness Certificate.



##### Approval of this document:

The technical information contained in this Service Bulletin Revision 0 was approved on September 08, 2021 under the authority of EASA Design Organization Approval No. 21J.700 for civil version helicopters subject to an Airworthiness Certificate.

#### 1.G. MANPOWER



Airbus Helicopters recommends that the personnel who will do this Service Bulletin have this qualification:

Qualification: 1 Avionics Technician.



The man-hours are an estimate given for information only and for a standard helicopter configuration.

Estimated Man-hours: 1 hour (for each equipment) for the Avionics Technician.



The helicopter downtime is an estimate given for information only and for a standard helicopter configuration.

The estimate of the helicopter downtime is half a day.

#### 1.H. WEIGHT AND BALANCE

There is almost no change in weight and moment.

#### 1.I. POWER CONSUMPTION

This Service Bulletin has no effect on the electrical load analysis.

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#### 1.J. SOFTWARE UPGRADES/UPDATES

Not applicable.

#### 1.K. REFERENCES

These documents are necessary to comply with this Service Bulletin:

Aircraft Maintenance Manual (AMM):

AMM: 24-00-00-911: General Safety Instructions - Electrical Power

AMM: 34-00-00-911: General Safety Instructions - Navigation System

AMM: 34-70-01-061: Removal / Installation - Smart Multifunction Display (SMD)

AMM: 34-70-01-721: Functional Tests - SMD

Standard Practices Manual (MTC):

MTC: 20-07-02-201: Helicopter parked in a repair shop - Safety instructions

MTC: 20-07-03-408: Appearance checks on an aircraft after inspection or repair - Technical instructions

Information Notice (IN):

IN 3481-I-00: The Marketplace: an AirbusWorld eOrdering service

IN 3643-I-00: Introduction of the digital Service Bulletin reporting service R-TEX

#### 1.L. OTHER AFFECTED PUBLICATIONS



#### **CAUTION**

**TO COMPLY WITH THIS SERVICE BULLETIN, THE OPERATOR MUST MAKE SURE THAT ALL THE MAINTENANCE DOCUMENTS NECESSARY FOR THE MAINTENANCE OF THIS INSTALLATION ARE AVAILABLE. IF THEY ARE NOT AVAILABLE, THE OPERATOR MUST CONTACT AIRBUS HELICOPTERS TO GET THESE DOCUMENTS.**

Publications to be updated:

Airbus Helicopters will update the manuals shown below when the customer sends an order for them:  
- Flight Manual (FLM)

You will receive the documents to which you subscribe.

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### 1.M. PART INTERCHANGEABILITY OR MIXABILITY

Interchangeability:

PRE MOD and POST MOD equipment items are interchangeable.

Mixability:

It is permitted to use PRE MOD and POST MOD components together.

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### 2. EQUIPMENT OR PARTS INFORMATION

#### 2.A. EQUIPMENT OR PARTS: PRICE - AVAILABILITY - PROCUREMENT

Refer to THALES in accordance with paragraph [2.D.](#)

In the purchase order, write the information that follows:

- The mode of transport
- The destination
- The serial numbers of the helicopters to change.

#### 2.B. LOGISTIC INFORMATION

Not applicable.

#### 2.C. EQUIPMENT OR PARTS REQUIRED PER HELICOPTER/COMPONENT

Equipment or parts to be ordered separately:

| Key Word   | Qty | New P/N                      | Item | Former P/N →                 | Instruction  |
|------------|-----|------------------------------|------|------------------------------|--|
| SMD 45 NVG | A/R | C19267VG11<br>(704A45751184) | 1    | C19209VG11<br>(704A45751182) | Send back to manufacturer<br>(see paragraph <a href="#">2.D.</a> ) |

Consumables to be ordered separately:

Refer to the Work Cards and Tasks identified in this Service Bulletin or use equivalents.

You can send an order for the consumables from the AirbusWorld Marketplace through e-ordering (IN 3481-I-00).

If you cannot get access to e-ordering, please contact your Logistic Focal Point.

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### 2.D. EQUIPMENT OR PARTS TO BE RETURNED

Send SMD 45 non-NVG MP/N: C19209VG11 (P/N: 704A45751182) back to:

SDV Aerospace c/o Thales Avionics  
Zone de Fret 3 - SAGAFRO  
3 Rue du Remblai  
BP 16355  
95706 Roissy Charles de Gaulle Cedex  
FRANCE

Or  
Thales Avionics, Inc.  
140 Centennial Ave  
Piscataway, NJ 08854  
USA

Or  
Thales Solutions ASIA PTE. LTD  
21 Changi North Rise  
498788 SINGAPORE  
SINGAPORE

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## 3. ACCOMPLISHMENT INSTRUCTIONS

### 3.A. GENERAL

- Comply with the general safety instructions on the electrical power. Refer to Task 24-00-00-911 (AMM).
- Comply with the general safety instructions on the navigation system. Refer to Task 34-00-00-911 (AMM).

### 3.B. WORK STEPS

#### 3.B.1. Preliminary steps

- Park the helicopter in a hangar. Refer to Work Card 20-07-02-201 (MTC).
- Disconnect all the electrical power supplies.
- Remove and/or open all applicable cowlings, panels, doors and other items of equipment to get access to the different work areas.

#### 3.B.2. Procedure

#### **NOTE 1**

*The removal of SMD 45 non-NVG MP/N: C19209VG11 (P/N: 704A45751182) will be done as applicable in relation to the customer needs.*

#### 3.B.2.a. Removal and sending of SMD 45 non-NVG ([Figure 1](#))

- Remove SMD 45 non-NVG (a) MP/N: C19209VG11 (P/N: 704A45751182) from the front panel (b). Refer to Task 34-70-01-061 (AMM).
- Send SMD 45 non-NVG (a) MP/N: C19209VG11 (P/N: 704A45751182) back to the manufacturer. Refer to paragraph [2.D](#).

#### 3.B.2.b. Receipt and installation of SMD 45 NVG ([Figure 1](#))

- Make sure that the part number of SMD 45 NVG (1) sent back by the manufacturer is: MP/N: C19267VG11 (P/N: 704A45751184).
- Install and do the configuration of SMD 45 NVG (1) MP/N: C19267VG11 (P/N: 704A45751184) on the front panel (b). Refer to Task 34-70-01-061 (AMM).

#### 3.B.3. Tests

Do a functional test of SMD 45 NVG (1). Refer to Task 34-70-01-721 (AMM).

#### 3.B.4. Final steps

- Clean and apply the close-up procedure to the work areas and the helicopter. Refer to Work Card 20-07-03-408 (MTC).
- Install or close all cowlings, panels, doors and items of equipment that you removed and/or opened during the preliminary steps (paragraph [3.B.1](#), of this Service Bulletin).
- Remove the access equipment.
- Set the helicopter to flight condition.

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#### 3.C. RECORD OF COMPLIANCE

##### Compliance with this document:

- Record the full compliance with this Service Bulletin only when all the SMD 45 systems were modified. Record this full compliance, together with the revision number, in the helicopter documents.
- If only one of the SMD 45 was modified, record the information that follows in the helicopter document:
  - . The compliance with this Service Bulletin with the revision number
  - . Which side/part was modified.
- Record the full compliance with this Service Bulletin (see IN 3643-I-00 for instructions):  
QR code or hypertext link



##### **NOTE 2**

*The recording of compliance with Service Bulletins in the R-TEX tool does not replace the recording in the helicopter documents.*

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##### Tracking of modifications in the documentation:

- Record the full embodiment of modification 0731C06 in the helicopter documents only when all the SMD 45 systems were modified. Record this full embodiment, together with the revision number, in the helicopter documents.
- If only one of the SMD 45 was modified, record the information that follows in the helicopter documents:
  - . The embodiment of this modification 0731C06
  - . Which side/part was modified.

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### 3.D. OPERATING AND MAINTENANCE INSTRUCTIONS

Operating instructions:



#### **CAUTION**

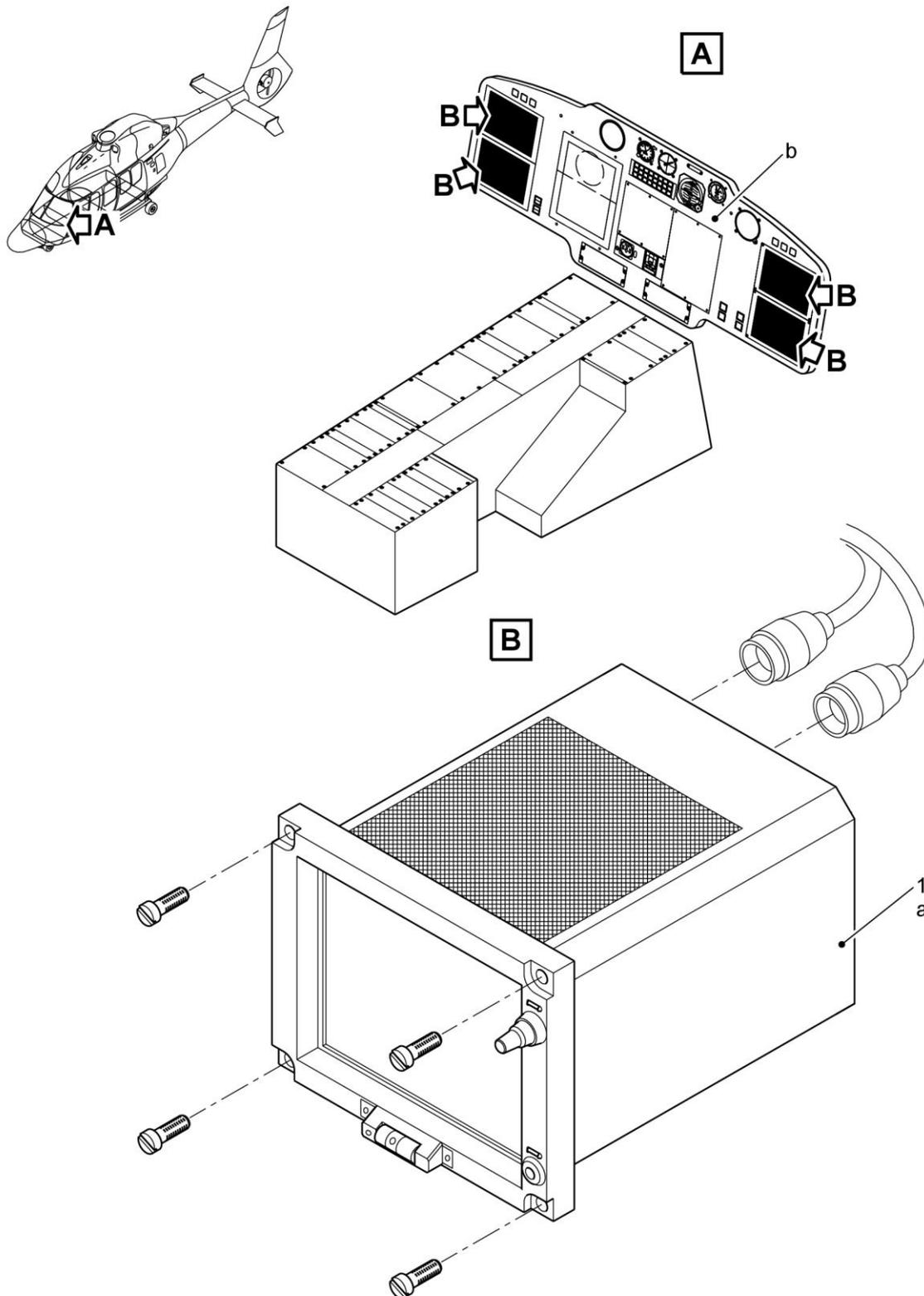
**BEFORE THE NEXT FLIGHT, MAKE SURE THAT YOUR FLIGHT MANUAL (FLM) IS AT THE LATEST UPDATE APPROVED BY THE APPLICABLE AUTHORITIES.**

Airbus Helicopters will add these instructions to the Flight Manual (FLM) Section 7.3, chapter 2.1.1. (via a NOTE) during one of the next revisions. After the addition of these instructions to the Flight Manual, refer to this manual.

#### **NOTE 3**

*Depending on the PFD/ND, P/Ns installed, the backlight may be white or green, and the color palette of the screens may vary at the lower brightness settings.*

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Back to paragraphs [3.B.2.a.](#), [3.B.2.b.](#)

Figure 1