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ALERT OPERATORS TRANSMISSION - AOT

SUBJECT: ATA 27 – Removal of ELAC B L104

AIRCRAFT TYPE: A318, A319, A320, A321

OUR REF.: A27N022-25 Rev 00 dated 28-NOV-2025

EFFECTIVITY DATE: 28 November 2025

Export Control - Not Technical

1. AIRCRAFT AFFECTED

A/C Type	Description	MOD
A320-200N	NEO equipped with ELAC B L104	MOD 168254 OR MOD 168255 OR MOD 173204
A319-100N	NEO equipped with ELAC B L104	MOD 168254 OR MOD 168255 OR MOD 173204
A321-200N	NEO equipped with ELAC B L104	MOD 168254 OR MOD 168255 OR MOD 173204
A321-200NX	NEO ACF/LR equipped with ELAC B L104	MOD 168254 OR MOD 168255 OR MOD 173204
A320-200	CEO with sharklet equipped with ELAC B L104	MOD L104 (MOD 168254 OR MOD 168255 OR MOD 173204) AND MOD 160012 (sharklet)
A319-200	CEO with sharklet equipped with ELAC B L104	MOD L104 (MOD 168254 OR MOD 168255 OR MOD 173204) AND MOD 160012 (sharklet)

A321-200	CEO with sharklet equipped with ELAC B L104	MOD L104 (MOD 168254 OR MOD 168255 OR MOD 173204) AND MOD 160023 (sharklet)
A320-200	CEO wingtip fence with LAF pin-programming equipped with ELAC B L104	MOD L104 (MOD 168254 OR MOD 168255 OR MOD 173204) AND MOD 39286 (LAF pin-prog)
A319-200	CEO wingtip fence with LAF pin-programming equipped with ELAC B L104	MOD L104 (MOD 168254 OR MOD 168255 OR MOD 173204) AND MOD 39286 (LAF pin-prog)

LAF : Load Alleviation Function

MOD 168254 : FLIGHT CONTROLS - ELEVATOR AILERON COMPUTER SYSTEM - INSTALL ELAC B L104, SUPPORTING SAFETY BEYOND STANDARD STEP1
MOD 168255 : FLIGHT CONTROLS - ELEVATOR AILERON COMPUTER SYSTEM - INSTALL ELAC B L104, SUPPORTING SBS STEP 1 (SB ONLY)
MOD 173204 : FLIGHT CONTROLS - ELEVATOR AILERON COMPUTER SYSTEM (ELAC) - INSTALL ELAC B L104 (RE-INSTALL B L104 FROM E E104)
MOD 39286 : ACTIVATE ENHANCED LAF FUNCTIONS ON ELAC FOR A320 78T FWD CG OR A319CJ WV10
MOD 160012 : INTRODUCE SHARKLET DEVICE FOR A320 FAMILY
MOD 160023 : CERTIFY SHARKLET INSTALLATION FOR A321

2. REFERENCED DOCUMENTATION

2.1 APPENDIX

Appendix 1: Reporting Proforma for AOT A27N022-25 accomplishment

2.2 REFERENCES

SBIT 25-0058
RIL SA2713M250 (to be released on or before 5th December 2025)
FOT 999.0073/25 (to be released on or before 5th December 2025)

3. REASON

3.1 FACTS AND BACKGROUND

An Airbus A320 aircraft recently experienced an uncommanded and limited pitch down event.
The autopilot remained engaged throughout the event, with a brief and limited loss of altitude, and the rest of the flight was uneventful.

3.2 INVESTIGATION, ROOT CAUSE AND CONSEQUENCES

The subsequent investigation identified a vulnerability with the ELAC B hardware fitted with software L104 in case of exposure to solar flares.
This identified vulnerability could lead in the worst case scenario to an uncommanded elevator movement that may result in exceeding the aircraft structural capability.

This is limited to ELAC B standard L104.
All previous ELAC B software standards as well as all ELAC E software standards are not affected.

4. OBJECTIVES OF THIS AOT

This AOT requires, as an immediate safety measure, reversion to the ELAC standard L103+ for a significant number of aircraft equipped with ELAC B and software L104 (refer to effectivity paragraph).

Note : Further AOT revisions are expected to define other alternative retrofit solutions.

5. MAINTENANCE PROCEDURE

NOTE: The accomplishment instructions of this AOT include procedures given in other documents or in other sections of the AOT. When the words “refer to” are used and the operator has a procedure or tool accepted by the local authority he belongs to, the accepted alternative procedure or tool can be used. When the words “in accordance with” are used then the given procedure must be followed.

NOTE: The access and close-up instructions, not comprising return to service tests, in this AOT do not constitute or affect the technical intent of the AOT. Operators can therefore, as deemed necessary, omit or add access and/or close-up steps to add flexibility to their maintenance operations as long as the technical intent of the AOT is met within the set parameters.

NOTE: This AOT is classified mandatory or expected to be classified mandatory by an Airworthiness Directive (AD). The paragraphs 5.1 ACCOMPLISHMENT TIMESCALE, 5.4 INSPECTION and 5.5 INSTRUCTIONS are Required for Compliance (RC) and must be done to comply with the AD. To allow more flexibility, the rule "refer to" and "in accordance with" will apply to these paragraphs 5.1, 5.4 and 5.5. Other paragraphs are recommended and may be deviated from, done as part of other actions or done with accepted methods different from those given in the AOT, as long as the RC paragraphs can be done and the aircraft can be put back into a serviceable condition.

5.1 ACCOMPLISHMENT TIMESCALE

Perform AOT instructions before next flight.

In the event that the tasks defined in the AOT have not been completed before next flight or the aircraft is not located at an appropriate maintenance base by 29-Nov-2025 the aircraft may be grounded by EASA Emergency AD expected to be issued on 28-Nov-2025.

5.2 MANPOWER

Three (3) Man Hours (MH)

5.3 ACCESS AND CLOSE-UP

Access and close-up as per applicable AMM tasks listed in §5.5.

5.4 INSPECTION

N/A

5.5 INSTRUCTIONS

Global summary of instructions:

Depending on aircraft/ELAC dataloading capabilities, to install ELAC B L103+, perform one of the following tasks:

1 - Upload L103+ software as per AMM 27-93-00-610-001,

OR

2 - Remove and install:

- Remove affected ELAC as per AMM Task 27-93-34-000-001,
- Install ELAC with software L103+ as per AMM Task 27-93-34-400-001.

Detailed instructions:

ELAC B non Data Loadable - Modification by Replacement of the Two ELACs B L103+

1. Do the LRU IDENTIFICATION of the Elevator Aileron Computer (ELAC) for both ELAC (FIN 2CE1) and (FIN 2CE2) in accordance with AMM TASK 27-93-34-400-001-A.

   Note: If LRU Identification shows P/N 3945128224, ELAC B is equipped with software standard L104.

2. Remove both ELAC (FIN 2CE1) and (FIN 2CE2) in accordance with Ref. AMM Task 27-93-34-000-001

3. Install 2 serviceable ELAC P/N 3945128223 (ELAC B non dataloadable equipped with software L103+) or ELAC P/N 3945129117 (ELAC B dataloadable equipped with software L103+) , in accordance with Ref. AMM Task 27-93-34-400-001.

ELAC B Data Loadable on A/C with dataloading capability - Modification by uploading to ELAC L103+ software

1. Do the LRU IDENTIFICATION of the Elevator Aileron Computer (ELAC) for both ELAC (FIN 2CE1) and (FIN 2CE2) in accordance with AMM TASK 27-93-34-400-001-A

   Note: If LRU Identification shows P/N 3945129118, ELAC is equipped with software standard L104.

2. Open the circuit breaker FIN 15CE2 is open, made safe and tagged. Use the SAFETY CLIP - CIRCUIT BREAKER as necessary.

3. Upload the ELAC Software P/N 3945120117 (Standard L103+) on ELAC 1 (2CE1), in accordance with Ref. AMM Task 27-93-00-610-001.

4. Do the LRU IDENTIFICATION of the Elevator Aileron Computer (ELAC) on ELAC 1 (FIN 2CE1) in accordance with AMM TASK 27-93-34-400-001-A. Make sure that the Part Number of the ELAC 1 (FIN 2CE1) Software is P/N 3945120117 (Standard L103+).

5. Close the circuit breaker FIN 15CE2.

6. Open the circuit breaker FIN 15CE1 is open, made safe and tagged. Use the SAFETY CLIP - CIRCUIT BREAKER as necessary.

7. Upload the ELAC Software P/N 3945120117 (Standard L103+) on ELAC 2 (2CE2), in accordance with AMM Task 27-93-00-610-001.

8. Do the LRU IDENTIFICATION of the Elevator Aileron Computer (ELAC) on ELAC 2 (FIN 2CE2) in accordance with AMM TASK 27-93-34-400-001-A. Make sure that the Part Number of the ELAC 2 (FIN 2CE2) Software is P/N 3945120117 (Standard L103+).

9. Close the circuit breaker FIN 15CE1.

ELAC B Data Loadable on A/C without dataloading capability - Modification by replacement with an ELAC B with a L103+ software

1. Do the LRU IDENTIFICATION of the Elevator Aileron Computer (ELAC) for both ELAC (FIN 2CE1) and (FIN 2CE2) in accordance with AMM TASK 27-93-34-400-001-A.

   Note: If LRU Identification shows P/N 3945129118, ELAC B is equipped with software standard L104.

2. Remove both ELAC (FIN 2CE1) and (FIN 2CE2) in accordance with AMM Task 27-93-34-000-001:

3. Install 2 serviceable ELAC P/N 3945128223 (ELAC B non dataloadable equipped with software L103+) or ELAC P/N 3945129117 (ELAC B dataloadable equipped with software L103+) , in accordance with AMM Task 27-93-34-400-001.

5.6 SPARES AND TOOLING

Retrofit process	PN	Description	Quantity	Associated Post-Mod ELAC Soft
Software upload via media disk	F1710185	Media disk (included software + ELAC informative labels)	1 per aircraft	3945129100 (software state 3945129117)
Software upload via FLS dematerialized	3945129117	Software, ELAC Operational Program	1 per fleet	

Retrofit process	PN	Description	Quantity
Retrofit in shop	3945128223 Or 3945129117	ELAC loan	According to RPL

NOTE: Any tool listed as alternate in the Tool and Equipment Manual is acceptable for the accomplishment of the Aircraft Maintenance Manual (AMM) tasks or instructions called in this AOT.

6. ADDITIONAL INFORMATION

6.1 FOLLOW-UP PLAN

Further AOT revisions are expected to define other alternative retrofit solutions.

6.2 IMPACTED DOCUMENTATION

Flight operations documentation will be amended to reflect the ELAC configuration through unplanned revision within one month after accomplishment of AOT instructions reporting.
Airbus will release a Flight Ops Transmission (FOT 999.0073/25), to highlight impacts with that regard.

IPC 27-93-08 / 27-93-88 will be amended within one week after EASA Emergency AD expected to be issued on 28-Nov-2025.
In the meantime, disregard the IPC interchangeability restrictions impacted by this AOT for IPC references listed above.

7. AOT APPROVAL

The technical content of this document is approved under the authority of the DOA ref.EASA.21J.031.

8. REPORTING

Address your acknowledgment and accomplishment results to Airbus Customer Services through the In-Service Alerts and Information Cockpit tile on Airbus World by using the referenced AOT page.
Refer to the latest reporting policy (Ref to the OIT 999.0018/16).

Fill in the Accomplishment Reporting sheet in below Appendix 1 and return it to Airbus within 1 week after the accomplishment.

You can address your questions about this AOT to Airbus Customer Services through TechRequest on Airbus World, selecting Engineering Domain, Engineering Support Section and ATA 27-93.

For retrofit purpose, and in addition to the reporting through Airbus world please provide your accomplishment reporting sheet to Airbus Retrofit Services through the e-mail address monitored.retrofit@airbus.com.

For any question related to spares and logistics, you can address your questions to:
THALES AVS FRANCE SAS
retrofit@fr.thalesgroup.com

Best Regards,

Stephen MONTGOMERY
SENIOR DIRECTOR ENGINEERING SUPPORT
CUSTOMER CARE CENTER

Caroline CLAVEL
VICE PRESIDENT A320 FAMILY PROGRAMME
CUSTOMER SERVICES

Designated Airworthiness Engineer (DAE)

Appendix 1: Reporting Proforma for AOT A27N022-25 accomplishment

OPERATOR :	
MSN :	
Date of AOT Accomplishment :	
Method of Accomplishment : Dataloadable with Demat software	
ELAC SW PN OFF	
ELAC SW PN ON	
Method of Accomplishment : Dataloadable with media	
ELAC SW PN OFF	
ELAC SW PN ON	
Method of Accomplishment : Unit removal/installation	
ELAC PN OFF	
ELAC SN OFF	
ELAC SW PN OFF	
ELAC PN ON	
ELAC SN ON	
ELAC SW PN ON	