

MILITARY COMMITTEE AIR STANDARDIZATION BOARD (MCASB)

23 June 2005

NSA(AIR)0575-AA/3837

MCASB

**STANAG 3837 AA (EDITION 6) – AIRCRAFT STORES ELECTRICAL
INTERCONNECTION SYSTEM**


References:

- A. NSA(AIR)0470-AA/3837 dated 29 April 2004 (Edition 6) (Ratification Draft 1).
- B. NSA(AIR)0662-AA/3837 dated 12 July 2001 (Edition 5).

1. The enclosed NATO Standardization Agreement, which has been ratified by nations as reflected in the **NATO Standardization Document Database (NSDD)**, is promulgated herewith.
2. The references listed above are to be destroyed in accordance with local document destruction procedures.

ACTION BY NATIONAL STAFFS

3. National staffs are requested to examine their ratification status of the STANAG and, if they have not already done so, advise the MCASB, NSA, through their national delegation as appropriate of their intention regarding its ratification and implementation.

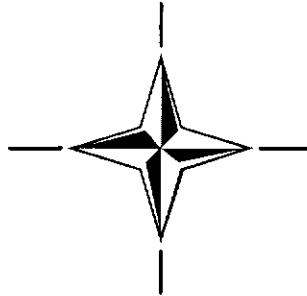
J. MAJ. 
Brigadier General, POL(A)
Director, NSA

Enclosure:
STANAG 3837 (Edition 6)

NATO Standardization Agency – Agence OTAN de Normalisation
B-1110 Brussels, Belgium Internet site: <http://nsa.nato.int>
E-mail: nsa.air@hq.nato.int – Tel 32.2.707.5589 – Fax 32.2.707.5718

STANAG 3837
(Edition 6)

**NORTH ATLANTIC TREATY ORGANIZATION
(NATO)**



**NATO STANDARDIZATION AGENCY
(NSA)**

**STANDARDIZATION AGREEMENT
(STANAG)**

SUBJECT: AIRCRAFT STORES ELECTRICAL INTERCONNECTION SYSTEM

Promulgated on 23 June 2005

J. MAJ
Brigadier General, POL(A)
Director, NSA

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RECORD OF AMENDMENTS

No.	Reference/date of Amendment	Date Entered	Signature

EXPLANATORY NOTES

AGREEMENT

1. This NATO Standardization Agreement (STANAG) is promulgated by the Director NATO Standardization Agency under the authority vested in him by the NATO Standardization Organisation Charter.
2. No departure may be made from the agreement without informing the tasking authority in the form of a reservation. Nations may propose changes at any time to the tasking authority where they will be processed in the same manner as the original agreement.
3. Ratifying nations have agreed that national orders, manuals and instructions implementing this STANAG will include a reference to the STANAG number for purposes of identification.

RATIFICATION, IMPLEMENTATION AND RESERVATIONS

4. Ratification, implementation and reservation details are available on request or through the NSA websites (internet <http://nsa.nato.int>; NATO Secure WAN <http://nsa.hq.nato.int>).

FEEDBACK

5. Any comments concerning this publication should be directed to NATO/NSA – Bvd Leopold III - 1110 Brussels - BEL.

NATO STANDARDIZATION AGREEMENT
(STANAG)

AIRCRAFT STORES ELECTRICAL INTERCONNECTION SYSTEM

Related Documents:

STANAG 3350 AVS -	ANALOGUE VIDEO STANDARD FOR AIRCRAFT SYSTEM APPLICATIONS
STANAG 3441 AA -	DESIGN OF AIRCRAFT STORES
STANAG 3558 AA -	LOCATIONS OF ELECTRICAL CONNECTORS FOR AIRCRAFT STORES
STANAG 3838 AVS -	DIGITAL TIME DIVISION COMMAND/RESPONSE MULTIPLEX DATA BUS
MIL-STD-1760D -	INTERFACE STANDARD FOR AIRCRAFT/STORE ELECTRICAL INTERCONNECTION SYSTEM

AIM

1. The aim of this agreement is to standardize the electrical interfaces between stores and aircraft.

AGREEMENT

2. Participating nations agree that all aircraft/aircraft store interfaces which require electrical and information transfer will be designed in accordance with US MIL-STD-1760D (available at <http://arms.aeroflex.com/ProductFiles/APPNotes/MILSTD1760c.pdf>)¹.

DETAILS OF THE AGREEMENT

3. STANAG 3837 addresses the characteristics of the electrical and physical elements of the aircraft/aircraft store interface by requesting agreement to use of MIL-STD-1760D.
4. The interconnection system described in MIL-STD-1760D is based on recognized trends in stores management systems which use serial digital transmission for control, monitor, and release of stores.

¹ Although this address refers to 1760c, it does actually link to 1760D.

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5. It is not intended that STANAG 3837 covers the required signals to achieve emergency jettison of stores. This does not, however, preclude the use of these signals in this STANAG if they are compatible with the requirements for emergency jettison.
6. STANAG 3837 does not cover mechanical linkages, such as arming wires and lanyards.

IMPLEMENTATION OF THE AGREEMENT

7. This STANAG is implemented when a nation has issued instructions that all future equipment acquired for its forces will be manufactured in accordance with the specifications detailed in this agreement.