

NATO UNCLASSIFIED  
**NORTH ATLANTIC TREATY ORGANIZATION**  
**ORGANISATION DU TRAITE DE L'ATLANTIQUE NORD**

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MAS/109-PCS/4015

See Distribution List No. 2

**STANAG 4015 PCS (EDITION 3) - STARTER BATTERY SPACES FOR TACTICAL  
LAND VEHICLES**

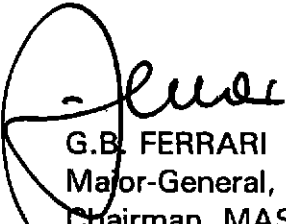
References:

- a. MAS(ARMY)(65)25 of 9 March 1965 (Edition 2 Pt I)
- b. MAS(ARMY)(65)26 of 11 March 1965 (Edition 1 Pt II)
- c. AC/301-D/380 (Draft Edition 3)

- 1. The enclosed NATO Standardization Agreement which has been ratified by nations as reflected in page iii is promulgated herewith.
- 2. The references listed above are to be destroyed in accordance with local document destruction procedures.
- 3. AAP-4 should be amended to reflect the latest status of the STANAG.

ACTION BY NATIONAL STAFFS

- 4. National staffs are requested to examine page iii of the STANAG and, if they have not already done so, advise the Defence Support Division, IS, through their national delegation as appropriate of their intention regarding its ratification and implementation.

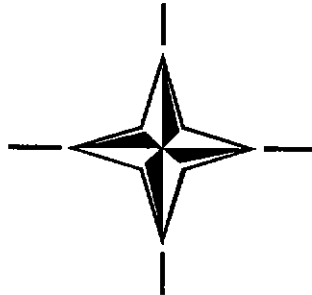
  
G.B. FERRARI  
Major-General, ITAF  
Chairman, MAS

Enclosure:  
STANAG 4015

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STANAG No. 4015  
(Edition 3)

**NORTH ATLANTIC TREATY ORGANIZATION  
(NATO)**

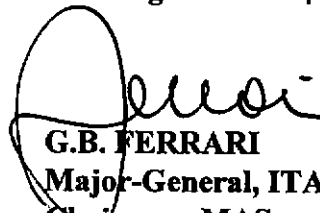


**MILITARY AGENCY FOR STANDARDIZATION  
(MAS)**

# **STANDARDIZATION AGREEMENT (STANAG)**

**SUBJECT: STARTER BATTERY SPACES FOR TACTICAL LAND VEHICLES**

**Promulgated on 17 March 1997**

  
**G.B. FERRARI**  
**Major-General, ITAF**  
**Chairman, MAS**

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**STANAG 4015**

(Edition 3)

RECORD OF AMENDMENTS

No.	Reference/date of amendment	Date entered	Signature

EXPLANATORY NOTES

**AGREEMENT**

1. This NATO Standardization Agreement (STANAG) is promulgated by the Chairman MAS under the authority vested in him by the NATO Military Committee.
2. No departure may be made from the agreement without consultation with the tasking authority. 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.

**DEFINITIONS**

4. **Ratification** is "In NATO Standardisation, the fulfilment by which a member nation formally accepts, with or without reservation, the content of a Standardization Agreement" (AAP-6).
5. **Implementation** is "In NATO Standardisation, the fulfilment by a member nation of its obligations as specified in a Standardization Agreement" (AAP-6).
6. **Reservation** is "In NATO Standardization, the stated qualification by a member nation that describes the part of a Standardization Agreement that it will not implement or will implement only with limitations" (AAP-6)..

**RATIFICATION, IMPLEMENTATION AND RESERVATIONS**

7. Page iii gives the details of ratification and implementation of this agreement. If no details are shown it signifies that the nation has not yet notified the tasking authority of its intentions. Page iv (and subsequent) gives details of reservations and proprietary rights that have been stated.

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Agreed English/French texts

STANAG 4015  
(Edition 3)

NAVY/ARMY/AIR

NATO STANDARDIZATION AGREEMENT  
(STANAG)

STARTER BATTERY SPACES FOR TACTICAL LAND VEHICLES

- Annexes:
- A. Maximum overall dimensions of Terminal Post and Battery Top Configurations to be catered for when using 12V-100Ah batteries
  - B. Maximum Overall dimensions of Terminal Post and Battery Top Configurations to be catered for when using 12V-45Ah batteries

Related Document: STANAG 2601 - Standardization of Voltage of Electrical Systems in Tactical Vehicles

AIM

1. The aim of this Agreement is to ensure that the space allocated for housing batteries in tactical land vehicles, and their associated holding down and electrical connecting arrangements, will comply to known parameters thereby allowing replacement batteries from NATO member nations to be accommodated.

AGREEMENT

2. Participating nations agree to fit Battery spaces in tactical land vehicles large enough to house the correct number of 12V-100Ah or 12V-45Ah Batteries necessary for starting and operation of the vehicle. The overall dimensions of a single battery of each type are given in Annexes A and B.

They also agree to standardize the electrical connections such that they fit the terminal post dimensions given in Annexes A and B (fig. 1a and 1b). Correct configuration of the installed battery bank must also be achievable.

Holding down arrangements to be capable of effectively restraining batteries of the dimensions and lid configuration as shown in Annexes A & B.

DEFINITIONS

3. For the purpose of this STANAG a "tactical land vehicle" is a military vehicle, whether designed primarily for military use or adapted from a commercial vehicle, which has specialised military characteristics to fit it for use by forces in the field in direct connection with, or in support of, combat operations or the training of troops for such operations.

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### GENERAL

4.1 This is not an agreement to standardize on particular batteries, it only seeks to ensure that certain battery features are common viz:

- a. battery terminal design;
- b. maximum overall physical dimensions.

4.2 In order to have a basis for the agreement the dimensions of the 12V-100Ah and 12V-45Ah Battery have been used as a reference in the knowledge that these units or similar are commonly available.

- a. Battery terminals must always be of common design;
- b. Battery physical dimensions must never exceed those quoted;
- c. Battery spaces must always accommodate the maximum dimensions quoted.

NOTE: It is assumed that all battery corners are right angles on the base and sides.

### IMPLEMENTATION OF THE AGREEMENT

5. This STANAG is considered to be implemented when a nation has issued instructions that all its tactical land vehicles procured for its forces will be manufactured in accordance with requirements detailed in this STANAG. No retrofit action is necessary.

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MAXIMUM OVERALL DIMENSIONS OF TERMINAL POST AND BATTERY TOP  
CONFIGURATION TO BE CATERED FOR WHEN USING 12V - 100Ah BATTERIES

ALL DIMENSIONS IN MILLIMETRES

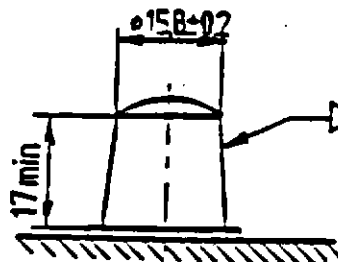


Fig. 1a  
NEGATIVE TERMINAL

Fig. 1

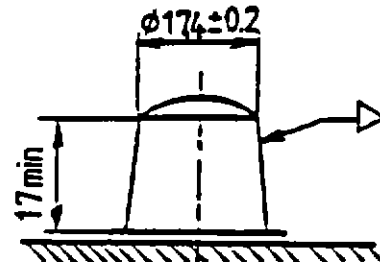
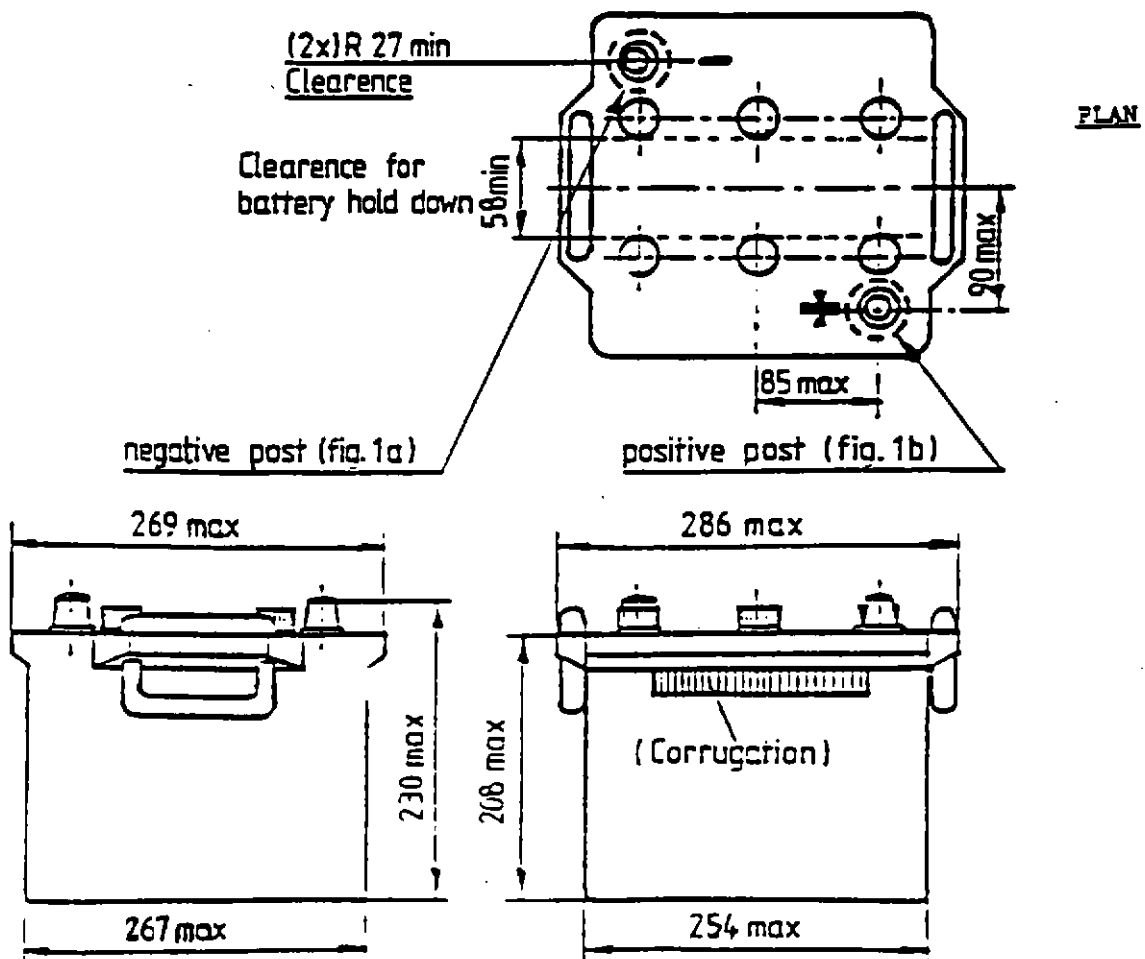


Fig. 1b  
POSITIVE TERMINAL

DIMENSIONS OF TERMINALS

THIRD ANGLE PROJECTION



END ELEVATION

Fig. 2

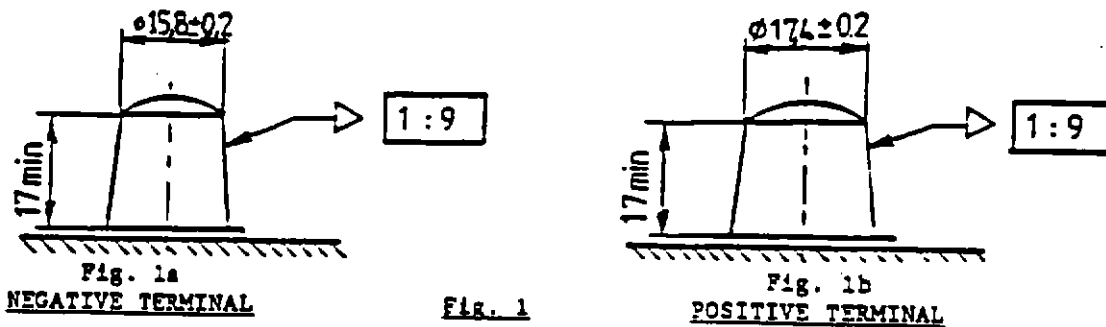
SIDE ELEVATION

GENERAL ARRANGEMENT

NOTE: It is assumed that all battery corners are right angles on the base and sides

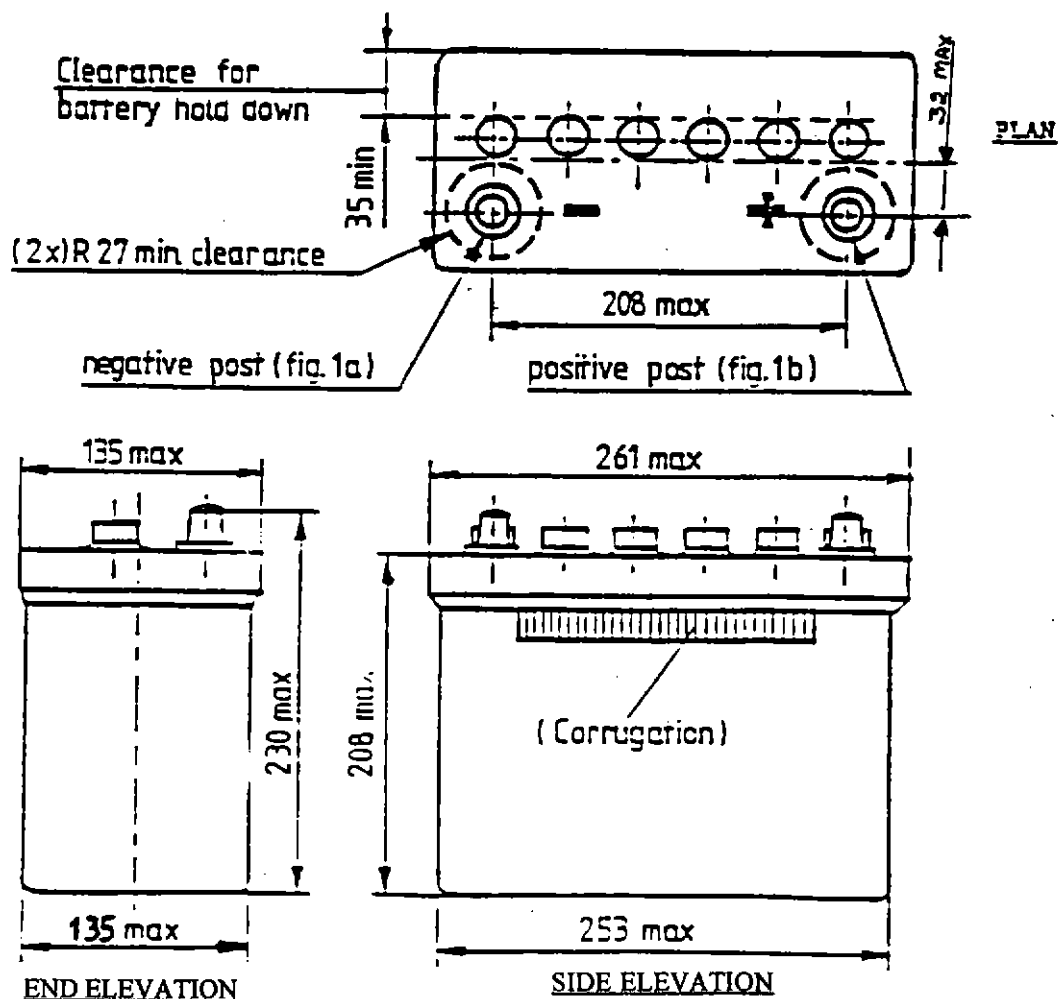
MAXIMUM OVERALL DIMENSIONS OF TERMINAL POST AND BATTERY TOP  
CONFIGURATION TO BE CATERED FOR WHEN USING 12V-45Ah BATTERIES

ALL DIMENSIONS IN MILLIMETRES



DIMENSIONS OF TERMINALS

THIRD ANGLE PROJECTION



GENERAL ARRANGEMENT

NOTE: It is assumed that all battery corners are right angles on the base and sides