



19 March 2018

NSO/0377(2018)SDCG/1169

STANAG 1169 SDCG (EDITION 2) - FIREFIGHTING EQUIPMENT AND PRINCIPLES FOR HARMONIZATION OF PRESENT AND FUTURE EQUIPMENT AND MATERIALS

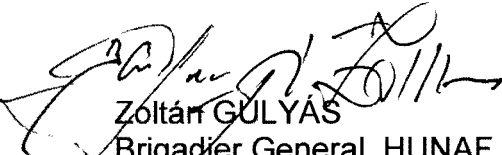
References:

- A. AC/141(MCG/6)D(2009)0002, dated 28 August 2009 (Edition 2) (Ratification Draft 1)
- B. AC141-N(2018)0003-AS1 dated 16 March 2018

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. Reference A. is 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 NSO, through their national delegation as appropriate of their intention regarding its ratification and implementation.
4. It should be noted that this standard entered development/ratification under AAP-03(I) and therefore is promulgated in its current format as approved by the related Tasking Authority in accordance with Reference B.

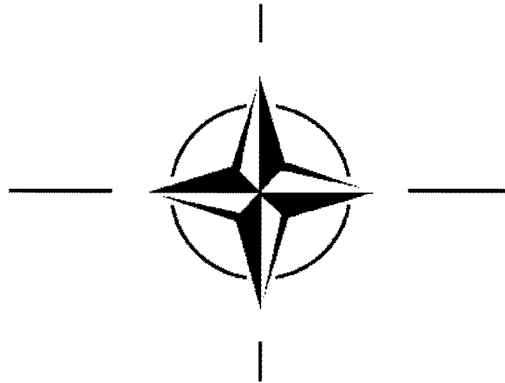

Zoltán GULYÁS
Brigadier General, HUNAF
Director, NATO Standardization Office

Enclosure:

STANAG 1169 (Edition 2)

NATO Standardization Office – Bureau OTAN de normalisation
B-1110 Brussels, Belgium Internet site: <http://nso.nato.int>
E-mail: nso@nso.nato.int – Tel 32.2.707.5556 – Fax 32.2.707.5718

**NORTH ATLANTIC TREATY ORGANIZATION
(NATO)**



**NATO STANDARDIZATION OFFICE
(NSO)**

**STANDARDIZATION AGREEMENT
(STANAG)**

SUBJECT: FIREFIGHTING EQUIPMENT AND PRINCIPLES FOR HARMONIZATION OF
PRESENT AND FUTURE EQUIPMENT AND MATERIALS

Promulgated on 19 March 2018

A handwritten signature in black ink, appearing to read 'Zoltán Gulyás', is positioned above the printed name and title.

Zoltán GULYÁS
Brigadier General, HUNAF
Director, NATO Standardization Office

RECORD OF AMENDMENTS

No.	Reference/Date of amendment	Date entered	Signature

EXPLANATORY NOTES

AGREEMENT

1. This STANAG is promulgated by the Director NATO Standardization Office under the authority vested in him by the North Atlantic Council.
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 NSO websites (internet <http://nso.nato.int>; NATO Secure WAN <http://nso.hq.nato.int>).

RESTRICTION TO REPRODUCTION

5. No part of this publication may be reproduced, stored in a retrieval system, used commercially, adapted, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior permission of the publisher. With the exception of commercial sales, this does not apply to member and partner nations, or NATO commands and bodies.

FEEDBACK

6. Any comments concerning this publication should be directed to NATO/NSO – Bvd Leopold III - 1110 Brussels - Belgium.

**FIREFIGHTING EQUIPMENT AND PRINCIPLES FOR
HARMONIZATION OF PRESENT AND FUTURE
EQUIPMENT AND MATERIALS**

Related Documents:

- A. NEN 3374 Fire fighting equipment
- B. IEC 60309-1 and IEC 60309-2
- C. ADivP-1(A)/MDivP-1(A)

I. General

AIM

1. The aim of the agreement is to adopt for use in North Atlantic Treaty Navies and in Merchant Ships requisitioned for Naval use in time of war, standard fire hose couplings for fire fighting equipment and to agree to principles for harmonization of present and future fire fighting equipment and materials.

AGREEMENT

2. Participating nations agree to use the standard fire hose coupling adaptors and principles of harmonization of present and future fire fighting equipment, materials as detailed in this STANAG.

IMPLEMENTATION OF THE AGREEMENT

3. Participating nations agree to adopt the STANAG when a Nation has issued the necessary orders or instructions to authorities and units concerned, putting the procedures detailed in this agreement into effect, recording national reservations where appropriate.

PROVISION OF ADAPTORS TO ACHIEVE INTERCHANGEABILITY OF EQUIPMENTS

4. It is agreed for the purpose of harmonization, that the standards and equipment provided on board ships of individual member countries are for use in an emergency by all of the North Atlantic Treaty Navies.

5. It is agreed that the temporary transfer of FF&DC equipment requires the supply of suitable adaptors. In order to connect shipborne equipment with foreign equipment, adaptors are supplied from both Navies.

6. The principle of the adaptors is to be able to connect from own national standard to the agreed NATO standard and vice versa. By this way the coupling of two different national standards is realised.

II. Standard fire hose coupling

7. It is agreed to adopt, as standard for North Atlantic Treaty Navies, an adaptor set with on one end the national standard coupling, on the other end the agreed NATO standard coupling.
8. The NATO standard coupling shall be according to NEN 3374 designated: Armatuur G (Fitting G): "Vaste koppeling P-R-2½ G INW – NEN 3374 (Permanent coupling)".
9. Both couplings shall be interconnected with a pipe with a diameter of 2½ inch.
10. Ships will be supplied with at least two NATO fire hose coupling adaptor sets, when sailing with or in an international task force.

III. Standard electrical connector for submersible pump

11. It is agreed to adopt, as standard for North Atlantic Treaty Navies, an adaptor set with on one end the national standard connector, on the other end the agreed NATO standard connector.
12. The NATO standard connector shall be of 3P+earthing, 265V-460V, 16/20 A, 11h and will meet IP X7 specifications, according publication IEC 60309-1 (1999) and IEC 60309-2 (1999).
13. Ships will be supplied with at least one adaptor set for a male NATO standard connector and one set for a female NATO standard connector, when sailing with or in an international task force.

IV. Standard Breathing Air Connection for charging

14. It is agreed to adopt, as standard for North Atlantic Treaty Navies, an adaptor set with on one end the national standard connector, and on the other end the agreed NATO standard connector.
15. The NATO standard connection shall be according to ADivP-1/MDivP-1.
16. Ships will be supplied with at least one adaptor set for a NATO standard connector/receiver and one set for a NATO standard connector/donor, when sailing with or in an international task force.
17. CAUTION: In situations when the Breathing Air operating pressure on the donor side exceeds the maximum air bottle pressure on the receiver side, measures must be taken to prevent the risk of exceeding maximum air bottle pressure.