

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

MILITARY AGENCY FOR STANDARDIZATION (MAS)
BUREAU MILITAIRE DE STANDARDISATION (BMS)

1110 BRUSSELS

MAS/194-NAV/4391
6 August 1991

To : See MAS Distribution List No. 3

Subject : STANAG 4391 NAV (EDITION 1) - COOLING WATER FOR SUBMARINE MAIN LEAD ACID BATTERIES

Reference : AC/141-(IEG/6)SG/4-D/40 dated 2 April 1990

Enclosure : STANAG 4391 (Edition 1)

1. The enclosed NATO Standardization Agreement which has been ratified by nations as reflected in page iii is promulgated herewith.
2. The reference listed above is 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, to advise the Defence Support Division, IS, through their national delegation as appropriate of their intention regarding its ratification and implementation.



E. STAI
Major-General, NOAF
Chairman, MAS

STANAG 4391
(Edition 1)

NAVY

NORTH ATLANTIC TREATY ORGANIZATION
(NATO)



MILITARY AGENCY FOR STANDARDIZATION
(MAS)

STANDARDIZATION AGREEMENT

SUBJECT: COOLING WATER FOR SUBMARINE MAIN LEAD ACID BATTERIES

Promulgated on 6 August 1991

A handwritten signature in dark ink, appearing to read 'E. STAI', is positioned above the printed name.

E. STAI

Major-General, NOAF
Chairman

RECORD OF AMENDMENTS

No.	Reference/date of amendment	Date entered	Signature
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EXPLANATORY NOTESAGREEMENT

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 "The declaration by which a nation formally accepts the content of this Standardization Agreement".

5. Implementation is "The fulfilment by a nation of its obligations under this Standardization Agreement".

6. Reservation is "The stated qualification by a nation which describes that part of this Standardization Agreement which it cannot implement or can implement only with limitations".

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.

Agreed English/French Texts

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STANAG 4391
(Edition 1)

NAVY

NATO STANDARDIZATION AGREEMENT
(STANAG)

COOLING WATER FOR SUBMARINE MAIN LEAD ACID BATTERIES

RELATED DOCUMENTS: STANAG 4248 - Purified Water for Submarine Main
Lead Acid Batteries

AIM

1. The aim of this agreement is to facilitate the provision of cooling water for submarine main lead acid batteries of participating NATO Navies in NATO Naval Bases.

AGREEMENT

2. Participating nations agree that the cooling water for main lead acid batteries will be provided to submarines of NATO Navies in NATO Naval Bases according to the following specification:

- The conductivity shall not exceed 3 micro Siemens per centimetre when produced and shall not exceed 10 micro Siemens per centimetre when delivered to the submarine.

IMPLEMENTATION OF THE AGREEMENT

3. This STANAG is considered to have been implemented when nations have distributed instructions to NATO Naval Bases in their area to deliver cooling water which conforms to the above specification.

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