NATO STANDARD

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AEROMEDICAL TRAINING OF AIRCREW IN AIRCREW CBRN EQUIPMENT AND PROCEDURES

Edition A Version 1

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NORTH ATLANTIC TREATY ORGANIZATION

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NORTH ATLANTIC TREATY ORGANIZATION (NATO)

NATO STANDARDIZATION OFFICE (NSO)

NATO LETTER OF PROMULGATION

7 May 2018

1. The enclosed Allied Aeromedical Publication AAMedP-1.8, Edition A, Version 1, AEROMEDICAL TRAINING OF AIRCREW IN AIRCREW CBRN EQUIPMENT AND PROCEDURES, which has been approved by the nations in the Military Committee Air Standardization Board (MCASB), is promulgated herewith. The agreement of nations to use this publication is recorded in STANAG 3497.

2. AAMedP-1.8, Edition A, Version 1, is effective upon receipt.

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4. This publication shall be handled in accordance with C-M(2002)60.

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RECORD OF RESERVATIONS

CHAPTER	RECORD OF RESERVATION BY NATIONS
Note: The reservations listed on this page include only those that were recorded at time of promulgation and may not be complete. Refer to the NATO Standardization Document Database for the complete list of existing reservations.	

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RECORD OF SPECIFIC RESERVATIONS

[nation]	[detail of reservation]
BGR	The standard will be implemented only by declared units.
SVN	Slovenian Armed Forces do not possess CBRN equipment for the flight crew. STANAG will be implemented when equipment will be purchased.
FRA	Paragraph A-5 : STANAG 2515 will be implemented in accordance with the reservation made upon its ratification.

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CHAPTER 1 GENERAL

1.1 AIRCREW CBRN PROTECTION TRAINING

1. Aircrew who are to wear and use aircrew CBRN assemblies must receive appropriate training. This training consists of an initial course when the aircrew CBRN assemblies are issued and fitted to the aircrew, and continuation training repeated at appropriate intervals thereafter.

2. The course objectives are to:

   a. Provide an understanding of the CBRN threat to air operations and of the need for personal protection and COLPRO.

   b. Instruct aircrew in the details of the national aircrew CBRN assemblies, their fitting, care and performance.

   c. Instruct and train aircrew in the operational use of their aircrew CBRN assemblies and associated aircraft supply system(s) under routine and emergency flight, and in escape conditions in both peacetime and wartime roles (including CBRN warfare).

   d. Familiarize aircrew with details of the national CBRN collective protection (COLPRO) philosophy, facilities, and associated ground operating procedures (GOPs).

   e. Instruct aircrew in national aircrew CBRN GOPs including decontamination, donning, doffing and COLPRO entry / exit procedures.

   f. Familiarize aircrew with ground crew ensembles and proper procedures for their operation and use, in order to enhance personal survival during a CBRN attack.

1.2 TRAINING EMPHASIS

Emphasis is placed in this training upon the chemical warfare threat to air operations and to the equipment and procedures that are to be employed in combating chemical warfare agents. The equipment and procedures will, however, also provide protection against biological agents and the hazards associated with particular matter produced by nuclear weapons.

1.3 PEACETIME TRAINING

As peacetime flight safety considerations may preclude aircrew members from flying in CBRN assemblies, flight simulator training may provide an option for realistic training. Accordingly, nations may consider this alternative.

1.4 CERTIFICATION OF TRAINING

Aircrew issued with aircrew CBRN assemblies are to receive initial and continuation CBRN protection training defined in the outline syllabus at Annex A.

ANNEX A OUTLINE OF SYLLABUS OF INITIAL AND CONTINUATION TRAINING COURSES

A.1 GENERAL

The content of the syllabus listed below is primarily aimed at the aircrew receiving initial training. At subsequent continuation training (CT) it is expected that each item would be suitably adapted to reflect the base knowledge of trained aircrew.

A.2 THE CBRN THREAT TO AIR OPERATIONS

The instructions should emphasize the particular threat to aircrew engaged in air operations from fixed bases and off-base air operations, and is to include:

a. The philosophy of the use and the effects of chemical warfare agents.

b. A short summary of the effects and use of biological weapons.

c. The effects of nuclear weapons with emphasis on particulate fallout.

A.3 THE AIRCREW CBRN ASSEMBLY

To include:

a. The principles of personal protection.

b. A detailed description and demonstration of the complete aircrew CBRN assembly, and the associated aircraft supply system(s).

c. Sizing, fitting and issue of the individual items comprising the aircrew CBRN assembly (if required). (For CT the focus should be on checking the fit and serviceability of the individual components of the aircrew CBRN assembly.)

d. A description of the routine inspection and care of the aircrew CBRN assembly.

e. The protection against CBRN warfare agents provided by the aircrew CBRN assembly.

A.4 THE USE OF THE AIRCREW CBRN ASSEMBLY IN FLIGHT

To include:

a. Aircraft entry procedures and both routine and emergency exit procedures.

b. Routine use of the equipment in flight, including pre-flight and in-flight checks and procedures.

c. Emergency procedures in flight in the event of, for example, decompression of the cabin, failure of gas supply to the respirator, or toxic fumes in the cabin.

d. In-flight escape including (where appropriate) the drills to be used for ejection, during the subsequent parachute descent, water entry, sea and land survival etc.

e. The negative effects of CBRN assemblies and procedures upon the performance of aircrew tasks including restriction of vision and mobility, thermal strain and difficulties in communication, and how to minimize these effects.

A.5 GROUND OPERATING PROCEDURES FOR AIRCREW CBRN ASSEMBLIES

To include:

a. Principles of COLPRO and its contamination control area (CCA).

b. Design and mode of use of national COLPRO and CCA.

c. Principles of personal decontamination.

d. Instruction in, and practice of, donning, doffing, and decontamination procedures for aircrew CBRN assemblies in the COLPRO CCA.

To enhance interoperability, this part of the syllabus shall incorporate the relevant procedures given in STANAG 2515 “Collective Protection in a Chemical, Biological, Radiological and Nuclear Environment (COLPRO)” - ATP-70 Edition A, This should include, at a minimum, the usual layout used for a CCA inside NATO COLPRO facilities as well as familiarization with aircrew CCA procedures and aircrew CCA pictograms.

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