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25 April 2017

NOTICE

AC/322-N(2017)0038-REV1-AS1 (INV)

CONSULTATION, COMMAND AND CONTROL BOARD (C3B)

Mandate for a GNSS ICD Capability Team (CaT)

ACTION SHEET

On 24 April 2017, under a silence procedure, the C3 Board approved the mandate of the Global Navigation Satellite Systems (GNSS) Interface Control Document (ICD) Capability Team.

(Signed) I. ILKO

Note: This Action Sheet is part of, and shall be attached to AC/322-N(2017)0038-REV1 (INV) as the cover sheet.

Action Officer: Mr JP Saulay, ext 4309
Original: English

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12 April 2017

NOTICE

AC/322-N(2017)0038-REV1 (INV)

Silence Procedure ends:

24 Apr 2017 14:00

CONSULTATION, COMMAND AND CONTROL BOARD (C3B)

Mandate for a GNSS ICD Capability Team (CaT)

Note by the Secretary

References: A. AC/322-N(2017)0038 (INV), 20 Mar 17
B. AC/322-N(2017)0038-ADD1 (INV), 7 Apr 17

1. With Reference B, one Nation broke silence and provided comments to Reference A. Please find attached at Annex a revised version of the GNSS ICD CaT mandate. Modifications are in **bold**.

2. Unless the Action Officer is notified to the contrary by **14:00 hrs on Monday, 24 April 2017**, it will be assumed that the C3 Board has approved this revised mandate of the GNSS ICD CaT. Please courtesy copy all related correspondence to the C3 Board Secretariat at Mailbox NHQC3S C3B(Secretariat) C3BSecretariat@hq.nato.int.

(Signed) I. ILKO

Annex 1: GNSS ICD CaT Mandate

1 Annex

Action Officer: Mr JP. Saulay, ext 4309
Original: English

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**GLOBAL NAVIGATION SATELLITE SYSTEMS (GNSS)
INTERFACE CONTROL DOCUMENT (ICD) CAPABILITY TEAM MANDATE**

References: A. AC/322-D(2017)0008, Sub-structure Lines of Development, 3 Mar 17
B. AC/322-D(2016)0047 (INV), C3 Board Sub-structure Working Practices, 31 Aug 16

1. SCOPE

1.1. This work is part of the following C3 Board Lines of Development Capability (Reference A):

1.1.1. Line of Development 10 - Positioning Navigation and Timing (PNT): To improve operational effectiveness through interoperable and guaranteed access for NATO and Allies to precise and trusted PNT services

1.1.2. Line of Development 4: Interoperability Standards and Profiles: Primary source of profile and standards to achieve repeatable Alliance C3 interoperability and technical coherence.

2. MISSION

2.1. The C3 Board has agreed the standardization proposal to develop a Standardisation Agreement (STANAG) for Open Systems Architecture standards for the data Interface Control Documents (ICDs) associated with **open signals** GNSS receivers.

2.2. Under the direction of the NATO C3 Board (C3B), Navigation and Identification Capability Panel (NAVID Panel, CaP 2), the GNSS ICD Capability Team (CaT) is to address the standardisation of the data Interface Control Documents (ICDs) associated with **open signals** GNSS receivers and systems.

3. TASK

3.1. Develop a detailed standard for the data Interface Control Documents associated with **open signals** GNSS Receivers.

3.2. Develop any additional recommendations required for the implementation of such GNSS ICD STANAG.

4. DELIVERABLES

- Comprehensive NATO Standard for **open signals** GNSS data interfaces;
- Consolidated list of change proposals to existing NATO standards and Allied Publication as required;
- Technical notes and reports as required;

5. COMPOSITION

5.1. The GNSS ICD CaT is envisaged as a predominantly technical forum. It will benefit from the participation of representatives who are actively engaged in the development, procurement and integration of GNSS equipment and systems but also in their operational implementation and use.

5.2. The CaT shall comprise a national head of delegation from each participating nation who may be supported by other national participation providing technical/system expertise, military service operational expertise and industrial expertise.

5.3. A permanent Chairman will be elected from national nominations. The Nation whose candidate for chairmanship is successful may select another head of national delegation to replace him/her.

5.4. Representatives from the Strategic Commands, NHQC3S, NCIA and other NATO agencies, as appropriate.

5.5. The participation of Partner nations may be considered on a case by case basis, in accordance with the C3B Sub-structure Working Practices (Reference B).

5.6. National industry can attend when backed by a national CaT member or by NATO staff.

6. METHOD OF WORK

6.1. The CaT is subordinate to the C3B and CaP 2, receiving direction from and reporting directly to CaP 2. The lifetime of the group will not exceed three years to address this mandate. The CaT will develop a clear work plan during its first meeting to detail to organisation of work during its mandate. This work plan will be submitted to CaP 2 for agreement.

6.2. The CaT could convene up to 4 meetings per year for two to four days to discuss, review, evaluate and agree to changes, improvements and/or practices to ensure improved

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ANNEX 1

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national and international interoperability practices for the NATO GNSS ICD standard development.

6.3. The role of the Chairman is detailed at Reference B, paragraph 14.

6.4. CaT meetings will be convened using a calling notice and their outcome captured. Calling Notices, Records, Agendas (if produced) and Notes submitted to cover CaT final deliverables will be NATO-referenced using a CaP 2 reference. Internal documentation and intermediate deliverables distributed within the CaT should use the website dedicated to the group (<https://nhqc3s.hq.nato.int/Default.aspx>).

6.5. During each meeting Action Items are presented to all Nations, some or an individual country to take action and report findings either before or at the next meeting for concurrence by the group.

6.6. Concurrence is completed by a single vote by participating NATO Nations before it is adopted.

6.7. A status report of all CaT activities will be submitted by the Chairman of the CaT, or their assigned delegate, at each CaP 2 meeting. Status reports and presentations shall clearly detail progress against the agreed work plan and identify any issues arising, including issues that are not within the scope of work of the group.

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