



CodSP-100-IND

THE NATIONAL CODIFICATION BUREAU OF

INDIA

JAN 2025



सत्यमेव जयते



NATIONAL CODIFICATION BUREAU (NCB) INDIA

1. INTRODUCTION.

- (a) Codification implies evolution and employment of a code or a system that uses a uniform pattern of numbering the items and denoting each item by a well defined scientific nomenclature which will uniquely identify a store when so referred to.
- (b) The codification contributes to Standardisation of equipments, enhancement of interoperability. Understanding the importance, it has been mandated that entire defence inventory shall be codified.
- (c) The Directorate of Standardisation, a nodal agency for Codification and Standardisation, was established on 26 Jun 1962 under Ministry of Defence with the objective of Standardisation within the Defence Services.
- (d) India had become the Tier-1 member of NATO Allied Committee-135(AC/135), and adopted NATO codification system (NCS) in 2008, consequently, Directorate of Standardisation designated as National Codification Bureau (NCB). A NATO Codification System compatible software NCORE-NG has also been installed and operational in India since 2016. India become Tier-2 member of AC/135 w.e.f 01 Feb 2019.

2. **AIM.** The aim of the NCB INDIA is to provide “Best, Effective and Efficient codification services to the Indian Defence Forces” as follows:-

(a) IMPROVE CODIFICATION PROCESSES & PROCEDURES

- (i) Enhance interoperability for stakeholders.
- (ii) Meet national and international aims / objectives.
- (iii) Training to codifiers for enhancing efficiency of codification processes.
- (iv) Reduce time and costs.

(b) ENHANCE DATA QUALITY & AVAILABILITY

- (i) Promote Master Data concept and common understanding.
- (ii) Create metrics/measurements for continuous improvement.
- (iii) Improve international electronic data exchange capabilities.

(c) ENGAGE WITH INDUSTRY

- (i) Harness new technologies for data exchange or sharing.
- (ii) Enhance mutual understanding of NCS and other cataloguing systems.
- (iii) Improve and create interoperability between NATO & commercial Cataloguing systems.

3. **HISTORY.**

1958 - A Standardisation committee was set up in the Ministry of Defence with scientific advisor as its Chairman.

1959 - Defence Equipment Cataloguing Committee(DECC) was formed and a Defence Codification Authority (DCA) was set up to provide secretariat cover to it.

1962 - A full-fledged Directorate of Standardisation was established under a whole time Director.

1965 - Defence Codification Authority (DCA) was merged with this Directorate and the Directorate was placed under the direct control of Department of Defence Production.

1972 - A Metrication Cell was also added to the Directorate. A Technical Information Centre (TIC) was also set up in the same year.

1977 - A pilot project for introduction of Electronic Data Processing System in Defence Standardisation was sanctioned. This EDP feasibility study cell commenced functioning in the Directorate with effect from Feb 1978.

1979 - The Government sanctioned the establishment of this Cell as a permanent body of the Directorate of Standardisation.

2008 - INDIA became Tier I member of Allied Committee (AC/135), the Apex Body of NATO Codification System(NCS) on 10 Jun 2008. Directorate has attained the status of National Codification Bureau (NCB), and NATO Codification System (NCS) adopted.

2016 - NCS compatible online software NCORE-NG installed in 2016.

2017 – System compliance testing of NCORE-NG tool was successfully completed by the designated NCBs/NSPA.

2019 – India declared as Tier-2 member of AC/135 w.e.f 01 Feb 2019.

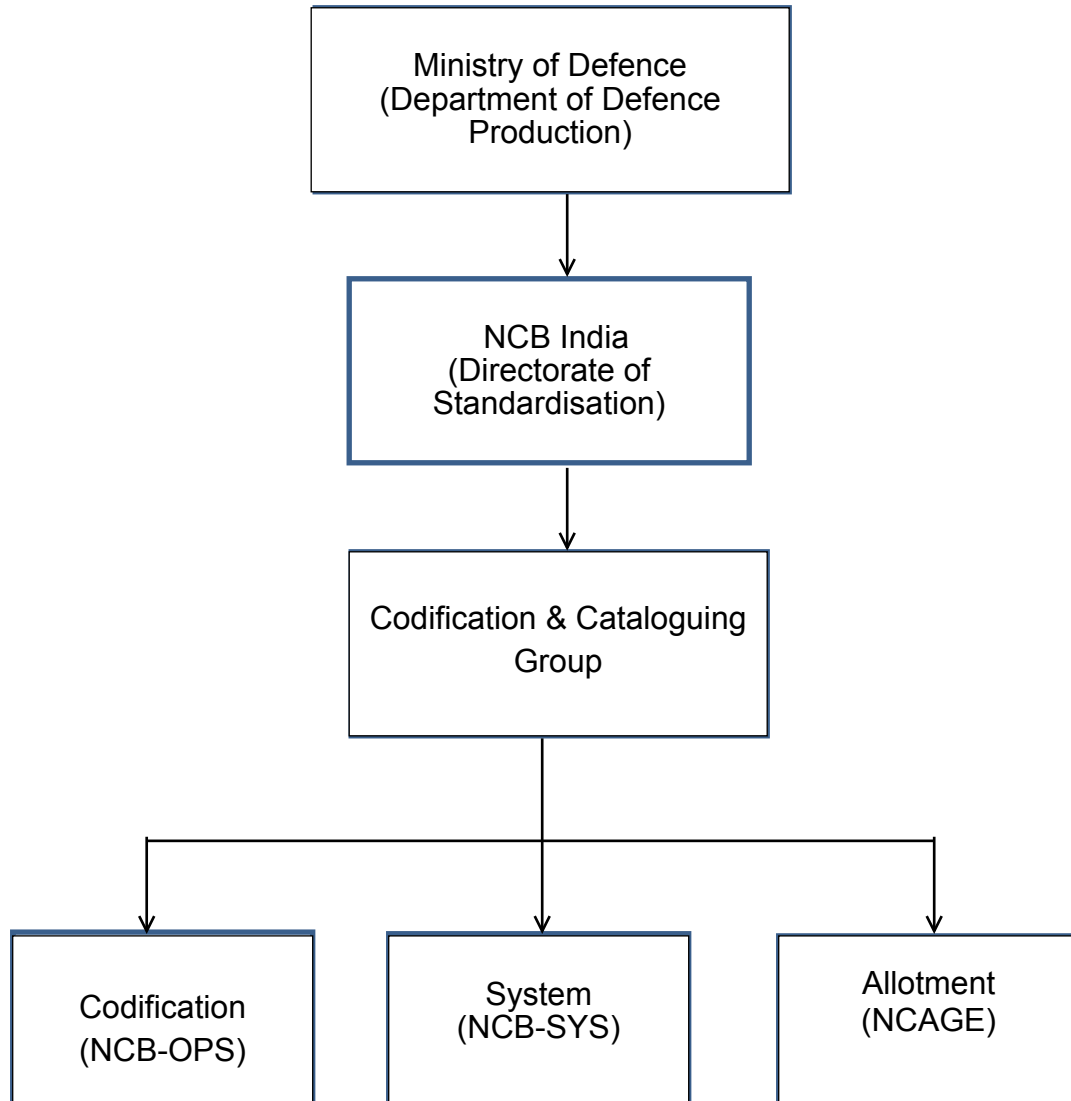
2019 – Pacific Area Cataloging Seminar (PACS) 2019 meeting was held on 18 to 19 Feb 2019 at Bengaluru.

2019 -NCAGE XML testing successfully completed in July 2019.

2021- NDER Testing completed successfully in Jun 2021.

4. **ORGANISATION.**

The Directorate of Standardisation acts as the National Codification Bureau of the India under the sponsorship programme of AC/135. The Codification and Cataloguing (C&C) group performs the duties and responsibilities of the NCB, India. The Organisation is as shown below:-



5. NATO CODIFICATION TOOLS/ PUBLICATIONS USED BY NCB INDIA.

(a) Following codification Tools/ Publications are used by NCB, India.

<u>Sl. No.</u>	<u>Title</u>	<u>Code</u>	<u>Edition Date</u>	<u>Remarks</u>
(i)	NATO Manual on Codification	ACodP-1	Latest issue (Jul 2024)	Latest issue Issued by NAMSA.
(ii)	NATO Supply Classification	ACodP-2	Latest issue (Oct 2024)	Latest issue Issued by NAMSA.
(iii)	NATO Item Name Directory	ACodP-3	Latest issue (Oct 2024)	Latest issue Issued by NAMSA.
(iv)	AC/135 Codification Support Publications	AC/135 CodSP	Latest issue	NCB use only.
(v)	Manual on Codification: 2023	Latest issue Issued by NAMSA.	Latest issue	For NCB India use only
(vi)	Federal Identification Guides: http://www.dlis.dla.mil/fiigdata/fiigs.htm	FIIG Index	Latest issue	Check web site for latest edition
(vii)	NATO Codification Software: NCORE-NG https://www.ddpdos-codification.gov.in/ncore_ng-web	Version	Latest issue	Check web site for latest edition

(b) CODIFICATION SOFTWARE.

(i) NCB India had used codification tools NACS and CodiSAP till 2015. However, it was considered that CodiSAP need to be replaced, because of its limited capabilities of international data exchange (NADEX).

(ii) In year 2016, India has installed NATO Codification System (NCS) compliance software NCORE-NG, having capabilities of international data exchange which was required to upgrade membership status to Tier-2 of AC/135.

(iii) The NCORE-NG has been supplied by M/s ESG, Germany.

(c) **NCB INDIA ON THE INTERNET.**

(i) The home page of the Directorate of Standardisation (NCB, India) is available at <https://ddpdos.gov.in>. The online NCAGE request form is available at <https://ddpdos.gov.in/form/ncage-form>

(ii) The online access to new codification software NCORE-NG is available at https://www.ddpdos-codification.gov.in/ncore_ng-web.

6. **CODIFICATION DATABASE.** The codification database consists of official NSNs, Local NSNs, Temporary NSNs and NCAGE data. The item oriented data, contained in the Total Item Record (TIR) are stored by Segments.

Segment-A	Item Identification Data
Segment-B	Major Organisational Entity Rule Data
Segment-C	Item Reference Data
Segment-K	Item Cancellation-Replacement Data
Segment-V	Item Characteristics Data
Segment-8	NATO Manufacturers Data

7. **NATO STANDARDISATION AGREEMENTS (STANAGS) ON CODIFICATION.** NATO STANAGs are governing policy for development of NCS by AC/135. Following STANAGs are governing the NATO Codification System.

- (a) **STANAG 3150** - Codification- Uniform System of Supply Classification.
- (b) **STANAG 3151** - Codification- Uniform System of Item Identification.
- (c) **STANAG 4177** - Codification- Uniform System of Data Acquisition.
- (d) **STANAG 4199**- Codification- Uniform System of Exchange of Materiel Management Data.
- (e) **STANAG 4438**- Codification- Uniform System of Dissemination of Data Associated with NATO Stock Numbers (NSN).

8. **BILATERAL AGREEMENTS.** The NCB India currently has bilateral agreements with the following countries for codification services and/or publications:

<u>Sl. No.</u>	<u>Name</u>
(a)	Denmark
(b)	France
(c)	Poland
(d)	United Kingdom
(e)	Germany
(f)	Italy
(g)	United States

9. **TYPES OF STOCK NUMBER USED IN THE NCB INDIA SYSTEM.** There are three types of stock numbers currently used in NCORE-NG codification tool, managed and maintained by NCB INDIA.

(a) **NATO Stock Number (NSN) e.g. XXXX-72-XXX-XXXX**

(i) This is most recognised stock number issued to Defence Inventory after following Item of supply concept of NATO Codification System.

(b) **Temporary NSN e.g. XXXX-72-XXX-XXXX**

(i) Assigned to the imported inventory if delay anticipated in getting official NSN on receiving official NSN this will be replaced.

(c) **Local NSN e.g. XXXX-72-XXX-XXXX**

(i) Allotted during Data migration from the legacy system.

(ii) Can become official NSN after verification.

(d) **NATO Commercial and Government Entity Code (NCAGE) e.g. #***Y**

(i) NCAGE always have suffix with the letter Y and number as a prefix.

(ii) Fully meets the data requirements laid down in ACodP-1, Section 240.

10. **TRAINING.** NATO Codification is a process of Identification, Classification, Naming and Unique Numbering of stores and the NCB India provides training both in-house and on-site, to personnel who require an understanding of the principles, aims and usage of the NATO Codification System. NCB India offers specialized codification course designed for Codifiers. The emphasize given on basics of NATO Codification System, important topics of ACodP-1 and hands on training on NCORE-NG software.

(a) The Item of Supply Concept

(b) Approved and Non-Approved Item Names

- (c) How a NATO Stock Number is formulated
- (d) The NATO Stock Record on the NCORE-NG software
- (e) Reference Category and Variation Codes (RC+VC)
- (f) NCAGEs and how they are formulated
- (g) The complete functionality of NCORE-NG web based software.

11. **POINT OF CONTACT.**

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