

NATO Codification System - Origins



World War Two

- To establish a common supply language for all Operations
- To enable interoperability and joint support
- To reduce costs by minimizing duplication in inventories
- To support data management and data quality initiatives

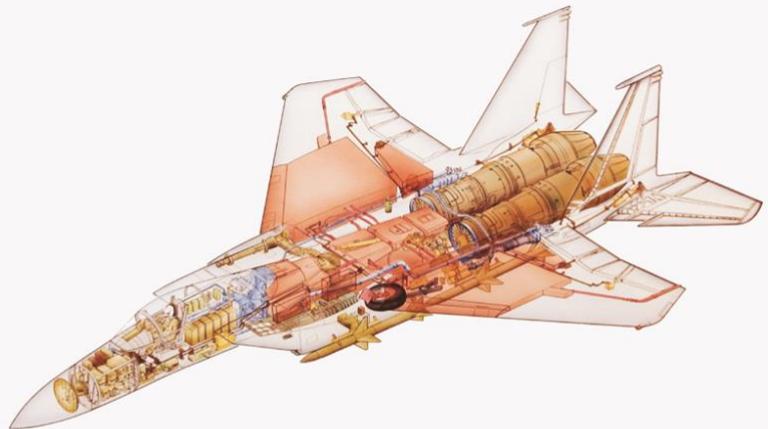


NATO
OTAN

The NATO Codification System



“From the point of view of the average observer, an F-15 jet fighter is a massive aircraft”



“From the point of view of cataloging, an F-15 jet fighter is 171,000 parts flying in close formation.”



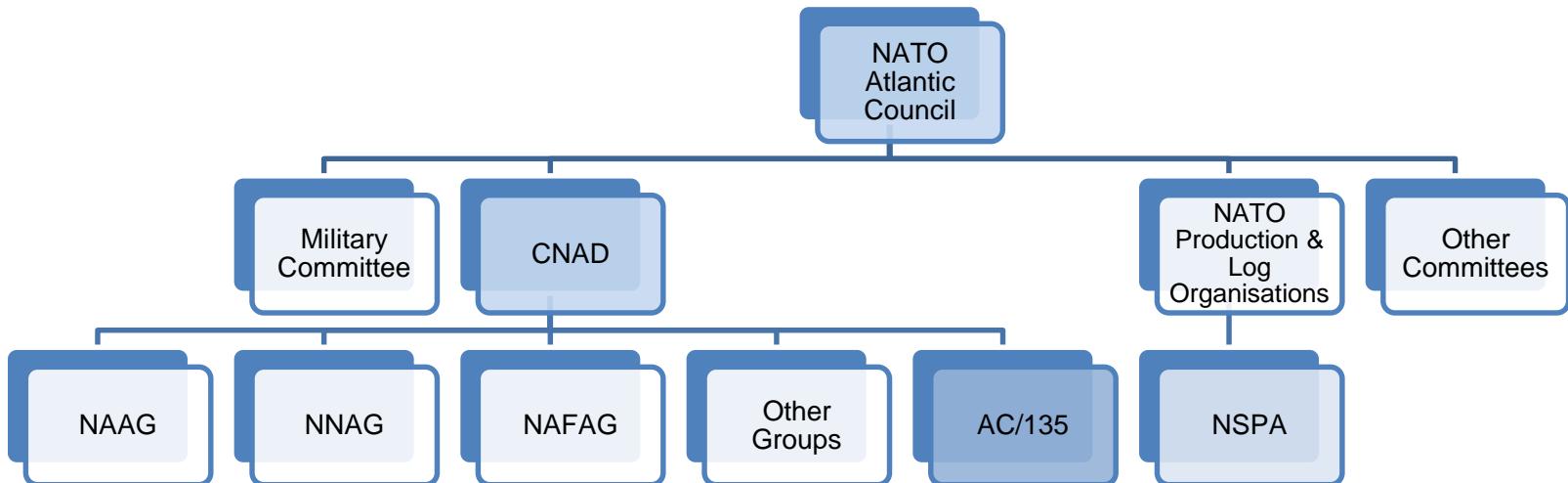
NCS in the world



2017



AC/135



AC/135 Main Group

strategy, policy, management, finance

Thierry Vanden Dries

(BEL)



BSC

Budget and Strategy
Planning Sub-
Committee

Elaine Chapman
(USA)

PANEL A

Technical support

Stephen Worth
(NZL)

TSWG

Transformation
Steering Working
Group
Jürgen Wrentschur
(NDL)

TRICOD
NORDEFCO
PACS
SACS

Support (NSPA)

Piotr Piotrkowski

Item of production vs Item of supply

Bulb 220 V 60 W screw E27



Part Number A

Osram



Part Number B

Philips



Part Number C

IKEA

One NSN

The same fit, form and function

Item of supply – Item Name Code



NATO Codification Tools

MCRL-WEB | NMCR Web Offline | CAGE/NCAGE Code Request | ACodP2/3

Search Database > ACodP3 Item Name Code Details

Item Name Code Details

51020	
Item Name	TIRE, PNEUMATIC, VEHICULAR
Item Name Definition	A mechanical device made of rubber, chemicals, fabric and steel or other materials, which, when mounted on a vehicular wheel, provides the traction and contains the fluid that sustains the load. Tube type tires are a form to inclose an inner tube containing air under pressure. Tubeless tires incorporate IIG
IIG	A50450 - TIRES, PNEUMATIC

Status Code
A - Active record

Condition Code
1 - The approved item name may be classified in only one specification

Type Code
0 - Item Name Approved

Concept Number

Applicability Key Code

Parent NSC

NSC	NSC Title	Status Code
2610	Tires and Tubes, Pneumatic, Except Aircraft	A

eng
bul
ces
deu
ell
eng
fin
fra
hun
ind
ita
kor
lit
nld
pol
por
ron
slk
slv
spa
swe
ukr

Item of supply – Identification guides

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[AAGC*](#)
[COBN*](#)
[MATT](#)
[MDCL*](#)
[COTK](#)
[CYFM](#)
[CRTN](#)
[COCX](#)
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[AAGL](#)
[FEAT*](#)
[ZZZK*](#)
[ZZZT*](#)
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[CLOL*](#)

AK	OFF THE ROAD
AL	OVER THE ROAD

Table 2

Reply Code (AN79)	Reply
BY	BICYCLE
CP	COMPACTOR
EM	EARTHTMOVER
FL	FORKLIFT
GT	GARDEN TRACTOR
HC	HELICOPTER
PL	IMPLEMENT

Table 3

Reply Code (AN80)	Reply
AS	ALL SEASON/MUD-SNOW
AL	ALL SEASON/MUD-SNOW/LUG
AW	ALL WEATHER
CC	CROSS COUNTRY
DT	DESERT TREAD
DD	DIAMOND
GD	GRIP DEEP

MATT D MATERIAL

THE CHEMICAL COMPOUND OR MECHANICAL MIXTURE PROPERTIES OF WHICH THE ITEM IS FABRICATED.

Reply Instructions: Enter the applicable reply code from the table below

Example: (MATTDPCHA00*;MATTDCCA00\$DPCAN00*;MATTDCCA000\$\$DPCAN00*)

Reply Code (MA01)	Reply
CCA000	COTTON
GSB000	GLASS FIBER
PCBL00	PLASTIC ACRYLONITRILE-BUTADIENE-STYRENE (ABS)
PCAN00	PLASTIC CELLULOSE ACETATE
PCP000	PLASTIC POLYAMIDE
PCW000	PLASTIC POLYESTER
PCAHO0	PLASTIC POLYURETHANE

Table 1



NATO Stock Number



MANUFACTURERS Identification Of Products

DUNLOP

11-00-20SPTGM

GOODYEAR TIRE CO

11-00-20SRLER

GOODYEAR FRANCE

11-00-20UNISRL

CUP SNC

1100R20GSRT4-16PR



NATO Codification System

Navy

Army

Air Force

Other Countries

(Industry)

2610-14-322-4604

NSN Details


NATO Stock Number

Item Name Code

Name (Segment A)

Name (ACodP3)

Customs code : HS code

Customs code : schedule B

Common Procurement Vocabulary (CPV) Code

Demil Code

Assignment date

File Maintenance Sequence Number

Type of Item Identification Code

Reference or Partial Descriptive Method Reason Code

Item Identification Guide

Users

Last publication date

Reference (10)



▼▲	NCAGE ▲	NCAGE Name	Reference Number	RNSC	RNCC	RNVC	DAC	RNAAC	RNFC	RNJc	Images	
»	73842	GOODYEAR TIRE AND RUBBER CO THE	11-00-20CROSSRIBER	D	5	2	4	65	4			
»	73842	GOODYEAR TIRE AND RUBBER CO THE	11-00-20SRLER	D	5	2	4	65	4			
»	73842	GOODYEAR TIRE AND RUBBER CO THE	11-00-20UNISROADLU	D	5	2	4	65	4			
»	F0276	GOODYEAR DUNLOP TIRES FRANCE	11-00-20SPTGM	D	3	2	4	65	3			
»	F0276	GOODYEAR DUNLOP TIRES FRANCE	1100R20PR16SPCHANTIER	D	5	2	4	65	4			
»	F0702	CONTINENTAL FRANCE	11-00R20TS4	D	3	2	4	65	3			
»	F5129	GOODYEAR FRANCE	11-00-20CROSSRIBER	B	3	9	4	65	3			

Item of production vs Item of supply

Bulb 220 V 60 W screw E27

Normal



Halogen



LED



Vintage



Membership



NATO nations



- NATO council Approbation
- Sponsorship Programme
- Required expertise

non-NATO nations



Tier 2 sponsored



Tier 1 sponsored

Current link between GS1 and NCS

- Use of the GTIN to collect technical data



The image shows three panels of the iGepir mobile application. The left panel displays the GS1 logo, a barcode, and the text "Gepir Worldwide Version 2.5". The middle panel shows a search interface with the number "3389110500349" highlighted, a "Scanner" button, and a "Affiche le dernier résultat" button. The right panel shows the results of the search, including "Donnée de base GLN", "GS1 France", "Pas d'erreur", "GLN: 3013891100107", "GCP: 338911", "SCHNEIDER ELECTRIC INDUSTRIES SAS", "Adresse:", "35 RUE JOSEPH MORIER", "92506 RUEIL MALMAISON CEDEX France", "Contact:", and a link to "www.schneider-electric.fr".

Current link between GS1 and NCS



NSN Details

NATO Stock Number	5950-00-061-8180
Item Name Code	06338
Name (Segment A)	COIL,RADIO FREQUENC
Name (ACodP3)	COIL,RADIO FREQUENCY
Customs code : HS code	850450
Customs code : schedule B	8504500000
Common Procurement Vocabulary (CPV) Code	31670000-3
Demil Code	B

Assignment date	01 Jan 1963
File Maintenance Sequence Number	024
Type of Item Identification Code	1
Reference or Partial Descriptive Method Reason Code	
Item Identification Guide	A058B0
Users	ZU-GREECE YB-SPAIN ZZ-UNITED STATES
Last publication date	15 Apr 2016

Reference (5)

▼ ▲	NCAGE ▲	NCAGE Name	Reference Number	RNSC	RNCC	RNVC	DAC	RNAAC	RNFC	RNJC	Images	
>	82679	THE TECHNICAL MATERIAL CORPORATION!DBA T M C	00606296006582	D	5	1	U	ZZ	4			
>	82679	THE TECHNICAL MATERIAL CORPORATION!DBA T M C	00606296006599	D	5	1	U	ZZ	4			
>	82679	THE TECHNICAL MATERIAL CORPORATION!DBA T M C	CL134-1	D	3	2	1	TX	3			
>	82679	THE TECHNICAL MATERIAL CORPORATION!DBA T M C	CL134-1B	D	5	2	5	TX	4			
>	82679	THE TECHNICAL MATERIAL CORPORATION!DBA T M C	CL134-1REV B	B	5	9	5	TX	3			

Coded Characteristics

Decoded Characteristics

Packaging Data

Current link between GS1 and NCS

FSC	NIIN	INC	NAME	Type	RPDMRC	CreationDate	MANC	ccccccc	PART	RNAA	DAC	Image
5945	123964132	32512	RELAY,ELECTROMAGNET	2	3	2016-10-11	D2069	SCHNEIDER ELECTRIC GMBH [Entity Code = E]		DX		
6110	145171671	31517	CONTACTOR,MAGNETIC	4	4	2016-06-09	F2187 Replaced by FAS02	SCHNEIDER ELECTRIC INDUSTRIES SAS (TELEMECANIQUE) [Entity Code = E]	3389110500349	92	U	
6110	145798273	31517	CONTACTOR,MAGNETIC	4	3	2016-06-09	FAS02			AH		

- Populate the NMCRL with the GTIN when available
- Use the volumetric data and packaging data of GS1 in the NCS
- Add the GPC in the NMCRL (link with the NCAGE)
- Identify counterfeits
- Traceability



Benefits of NCS

