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Introduction to CPC Ver. 3.0

United Nations Statistics Division

Regional Workshop on International Statistical Classifications

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Outline of the Presentation

- What is CPC
- Revision Process of CPC Ver. 3.0
- Main Changes
- Alignment with ISIC, Rev. 5
- Alignment with HS 2022
- Alignment with 2025 SNA



What is CPC

- Central Product Classification (CPC) is an international standard covering all products (goods and services).
- CPC represents a standard format to organize detailed economic information and facilitate economic analysis on products – be it on production, transformation, trade or consumption – according to economic principles and perceptions.
- CPC in general follows the definition of products, goods and services in the SNA.
- CPC categories are aligned with HS (transportable goods), ISIC (industrial origin of products)



History of CPC

Year	Version
1991	Provisional CPC
1998	CPC Ver. 1.0
2002	CPC Ver. 1.1
2008	CPC Ver. 2
2015	CPC Ver. 2.1
2025	CPC Ver. 3.0



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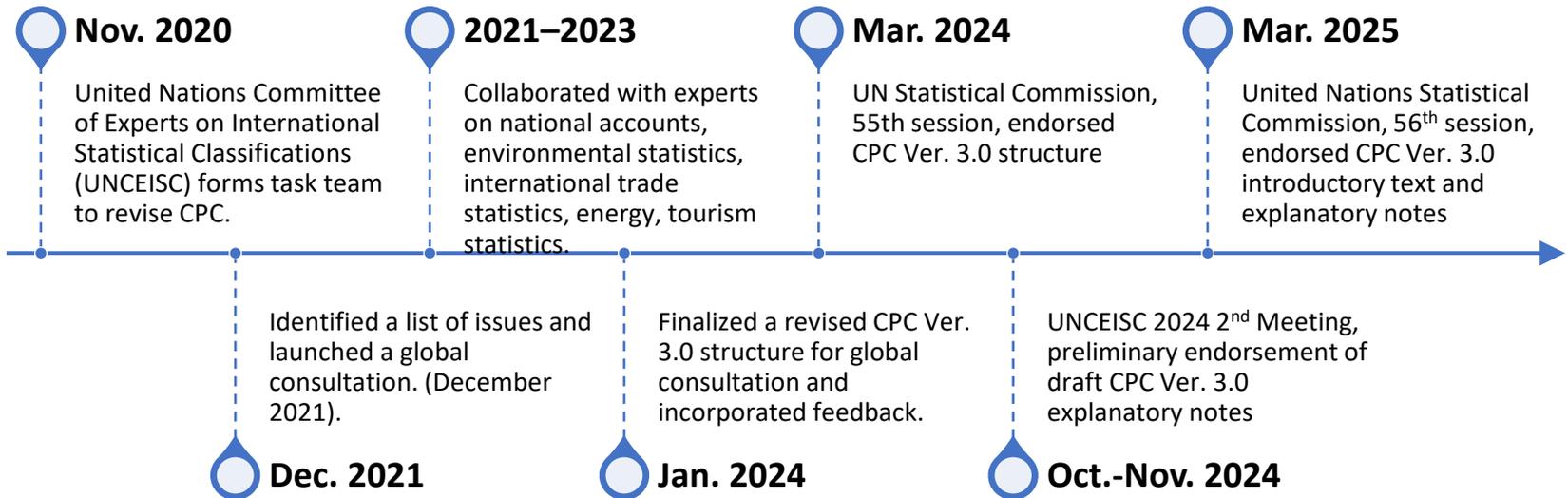
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CPC Ver. 3.0





CPC Ver. 3.0 Timeline





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CPC Ver. 3 - Key product areas reviewed

Goods

- Energy products (coal, coke, peat)
- Forestry, fisheries, agricultural goods
- Fertilizers and pesticides
- Waste (residual) products
- Cultural products

Services

- Financial products (including 'Fintech')
- Accommodation
- Intermediation
- Data as a product
- Cloud computing
- Artificial intelligence
- Carbon capture and storage
- Research and Development (Frascati)
- Education (ISCED)



Alignment of CPC with HS 2022 (in CPC sections 2, 3 and mostly 4)

More breakdowns (mostly at the five-digit level) for new products defined in HS 2022

CPC Ver. 2.1

- × 43560 Other lifting, handling, loading or unloading machinery
- × 44826 Water heaters, instantaneous or storage, non-electric
- × 44919 Special-purpose machinery n.e.c. ...

New CPC

- ✓ 43561 Industrial robots (HS 2022:8428.70)
- ✓ 43562 Other lifting, handling, loading or unloading machinery
- ✓ 44826 Solar water heaters (HS 2022: 8419.12)
- ✓ 44827 Other non-electric water heaters
- ✓ 44920 Machines for additive manufacturing (HS 2022: 8485.10-.80)
- ✓ 44930 Special-purpose machinery n.e.c.
- ...



Changed in CPC Ver. 3.0 - Accommodation

- Considered new classes for short-term rentals, “glamping”, and classes based on the type of structure.
- Too many regional and national variations to enumerate in an international standard.
- Changed titles to align with World Tourism Organization (UNWTO) nomenclature.



Code	Title	Change
63111	Room or unit accommodation services for visitors, with daily housekeeping services	Room or unit accommodation services for visitors, with on-site reactive services
63112	Room or unit accommodation services for visitors, without daily housekeeping services	Room or unit accommodation services for visitors, without on-site reactive services





Alignment of CPC Ver. 3.0 with ISIC, Rev. 5 – Financial Services

Changes in ISIC Rev. 5, Section L Financial and insurance activities:

- 6421 Activities of holding companies (split from ISIC, Rev. 4 class 6420)
- 6422 Activities of financing conduits (split from ISIC, Rev. 4 class 6420)
- 6431 Activities of money market funds (split from ISIC, Rev. 4 class 6430)
- 6432 Activities of non-money market investments funds (split from ISIC, Rev. 4 class 6430)
- 6433 Activities of trust, estate and agency accounts (split from ISIC, Rev. 4 class 6430)
- 6492 International trade financing activities (split from ISIC, Rev. 4 class 6492)
- 6493 Factoring activities (split from ISIC, Rev. 4 class 6492)
- 6494 Securitisation activities (split from ISIC, Rev. 4 class 6492)



Impact on CPC Ver. 3.0

- ISIC, Rev. 5, Section L - Financial and insurance activities and the corresponding structure of CPC Ver. 2.1, Division 71 - Financial and related services
- The following CPC categories were affected:
 - 7113 Credit-granting services, including the subordinate subclasses 71113-9
 - 7114 Financial leasing services
 - 7119 Other financial services, except investment banking, insurance services and pension services
 - 712 Investment banking services
 - 717 Services of holding financial assets, including subordinate 71701 and 71702



CPC Ver. 3.0 - Changes Concerning Financial services

Code	Title	Change
7113	Credit-granting services	Split 7113: Non-business credit-granting services Split 7115: Business credit-granting services
7115	Business credit granting services	New subclasses created under 7115 to align with new ISIC rev. 5 classes 6491-6495
	71151 - Loan services for business purposes (previous CPC v2.1 71135)	
	71152 - Financial leasing services	
	71153 - International trade financing	
	71154 - Securitisation activities	
	71155 - Factoring services	
712	Investment banking services	Deleted. Reclassified to subclasses of 7115 and 7119.
7119	Other financial services, except investment banking, insurance services and pension services	Changed title



Changes in CPC Ver. 3.0 - Fintech

Code	Title	Change
71593	Financial transactions processing and clearinghouse services	Split 71593: Excluding mobile money operators and digital wallets using financial information
		Split 71594: Mobile money operators and digital wallets using financial information (<i>new class</i>)

TT-CPC: Most other “Fintech”-type products are appropriately classified in existing classes/subclasses.

- Mode of service delivery (e.g., digital or in person) not classification-determining.
- Explanatory notes will reflect inclusions of “fintech” products where appropriate.



Research and Development (CPC Division 81)

Align terminology and categories with the 2016 Frascati Manual Fields of Science Classification.

- Discontinue CPC Ver 2.1 distinctions between basic, applied and experimental development research services at the 4-digit class level.
- 4-digit class level becomes where subject matter is distinguished, e.g., natural sciences, engineering, technology, medical and health sciences, etc.
- 5-digit subclass further disaggregates the subject matter, e.g., the 4-digit R&D services in technology is further divided into environmental biotechnology, industrial biotechnology, nanotechnology, and other technology.



Data as a product

New Group 837: Data and data compilation

- **8371 - Data:** Equivalent to previous 8394 - Original compilations of facts/information
- **8372 - Compilation services of data:** Partially includes previous 8399 - Other professional, technical and business services, n.e.c., and includes all of previous 85952 - Mailing list compilation services

Update titles and guidance notes

Explanatory notes will clarify that data products are independent from outputs produced using the data

Other Classes determined not to be data will remain separate

- 3223 - Directories, in print
- 84313 - On-line directories and mailing lists
- 47692 - Text-based disks, tapes or other physical media
- 84394 - Web search portal content
- 837 - Market research and public opinion polling services (moved to 8394)

“Data” defined in
CPC Rev. 3:

Original
compilations of
information
content
organized for
retrieval and
consultation,
produced by
accessing and
observing
phenomena.



Explanatory Note of 83710 Data

This subclass includes:

- data as a product. Data is defined as information content that is produced by accessing and observing phenomena; and recording, organizing and storing information elements from these phenomena in a digital format, which provide an economic benefit when used in productive activities. For example, data in this category include the original compilations of facts or information (i.e. databases) organized for retrieval and consultation.

...



Cloud computing – No new classes, explanatory notes updated

Code	Title	Change
8315	Hosting and information technology (IT) infrastructure provisioning services	Add reference to 'cloud computing infrastructure,' IaaS, and PaaS in the explanatory notes to reflect how businesses describe themselves.
83152	Application service provisioning	Specify Software-as-a-service (SaaS) as inclusion
83159	Other hosting and IT infrastructure provisioning services	Specify Platform-as-a-service (PaaS), and IaaS as inclusions



Artificial intelligence—No new classes, explanatory notes updated

Code	Title	Change
83152	Application service provisioning	Specify artificial intelligence as inclusion
84392	On-line software	Specify artificial intelligence as inclusion

No new classes for AI due to its increasingly ubiquitous application in software products.



Code	Title	Change
855	Intermediation services on goods	<ul style="list-style-type: none"> ○ All retail and wholesale trade services on a fee or contract basis moved here ○ Less detailed subclasses, e.g., trade of “Food, beverages and tobacco” is no longer broken into components
856	Intermediation services for accommodation, food and beverage, transport and electricity, gas and water distribution services	New group covering intermediation services currently classified to Section 6 of CPC v2.1
857	Intermediation for community, social and personal services	New group covering intermediation services currently classified to Section 9 of CPC v2.1
858	Other intermediation services	New group for classes not found in Sections 6 or 9, also includes residual for intermediation
859	Other support services	Group altered to account for some non-intermediation services previously in 855.



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Explanatory Note of 85620 Intermediation service for accommodation

This subclass includes:

- the intermediation of all types of accommodation by bringing clients and service providers together for a fee or commission. These intermediation activities can be carried out on digital platforms or through non-digital channels (phone, post etc.). The fee or commission can be received from either the client or the provider of the accommodation. Revenue for the intermediation activities can include other sources of income, such as revenues from the sale of advertising space.
- time-share exchange services
- reservation services for accommodation



Education Services (Division 92)

CPC Ver. 3.0 division 92 is aligned with the structure and definitional content of ISCED 11 and the new structure of ISIC Rev.5

- Key changes:

- Add a class and subclass for Early childhood development services under a new group for Early childhood and pre-primary education services.
- Add new subclasses on Tertiary education services
- Various title changes.



Code	Title	Change
9114	Public administrative services related to the provision on environmental services	New class to align with ISIC rev. 5 changes
9444	Treatment of air pollution services	New class to align with ISIC rev. 5 changes and reflect growing prominence for this service
9445	Carbon capture and storage services	New class to align with ISIC rev. 5 changes and reflect growing prominence for this service
54651	Noise or vibration insulation services	New subclass under 5465 Insulation services
54652	Thermal insulation services	New subclass under 5465 Insulation services
8597	Landscape care and maintenance services	Revise explanatory notes to reflect inclusion of management and restoration services of ecosystems and biodiversity



Explanatory Note of 94450 Carbon capture and storage services

This subclass include services involving the installation, maintenance and operation of infrastructure and end-of-pipe equipment to capture carbon dioxide from industrial processes and the storage of captured carbon dioxide



Waste

- Finally, it should be noted that the CPC, in covering all outputs of economic production, also covers products that may not carry any value in some frameworks, such as waste products.
- Although often treated as without value, they are still (unintended) outputs of a production process, are of interest in statistics and may also need to be measured as inputs into certain processes (e.g. waste disposal or waste being used for generating heat/electricity), often being the only approximation of the volume of the activity.
- The inclusion of these products also allows the CPC to fulfill its function as a “central” product classification, by covering the full scope of the HS. There is growing need for identifying waste-related products in the context of sustainable development and circular economy, but conceptual issues to classify waste in CPC still remain to be addressed. Therefore, these issues will be placed in the research agenda for the next CPC revision.



Resources on CPC Ver. 3.0:

- CPC Ver. 3.0 introduction (UNSC background document in PDF):
https://unstats.un.org/UNSDWebsite/statcom/session_56/documents/BG-3o-Introduction_to_the_Central_Product_Classification_Version3-E.pdf
- CPC Ver. 3.0 explanatory notes (UNSC background document in PDF):
https://unstats.un.org/UNSDWebsite/statcom/session_56/documents/BG-3o-Explanatory_Notes_of_the_Central_Product_Classification_Version3-E.pdf
Updated version in Excel will be posted soon on UNSD website at:
<https://unstats.un.org/unsd/classifications/Econ>



Next Steps on CPC Ver. 3.0:

- Correspondence Tables: CPC Ver. 3.0 to CPC Ver. 2.1, ISIC, Rev. 5, HS 2022, etc.
- Expansions (below the five-digit subclass level) and other alternative structures of CPC Ver. 3.0 (ICT products, etc.)
- Editorial changes: fine-tuning the definition of data in 83710 (concerning the reference to “databases”)



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Thank you!

!Muchas gracias!

United Nations Statistics Division
Classifications Hotline

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