

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1776

DATE: AUGUST 1, 2025

PROJECT RP11832

The following classification changes will be effected by this Notice of Changes:

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Symbols New:	H04W	60/001, 60/002
Warnings New:	H04W	60/00, 60/001, 60/002, 60/005, 60/02, 60/04
DEFINITIONS:		
Definitions Modified:	H04W	56/00, 60/00

No other subclasses/groups are impacted by this Notice of Changes.

This Notice of Changes includes the following [Check the ones included]:

1. CLASSIFICATION SCHEME CHANGES

- ☒ A. New, Modified or Deleted Group(s)
- ☒ B. New, Modified or Deleted Warning(s)
- ☐ C. New, Modified or Deleted Note(s)
- ☐ D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS

- ☒ A. New or Modified Definitions (Full definition template)
- ☐ B. Modified or Deleted Definitions (Definitions Quick Fix)

3. ☒ REVISION CONCORDANCE LIST (RCL)

4. ☒ CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

5. ☐ CHANGES TO THE CROSS-REFERENCE LIST (CRL)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS H04W - WIRELESS COMMUNICATION NETWORKS (broadcast communication H04H; communication systems using wireless links for non-selective communication, e.g. wireless extensions H04M 1/72)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
C	H04W 60/00	0	Affiliation to network, e.g. registration; Terminating affiliation with the network, e.g. de-registration	H04W 60/00, H04W 60/001, H04W 60/002
N	H04W 60/001	1	{Registration rejection or failure}	
N	H04W 60/002	1	{Registration for requesting network slices}	
C	H04W 60/005	1	{Multiple registrations, e.g. multihoming}	H04W 60/005, H04W 60/001, H04W 60/002
C	H04W 60/02	1	by periodical registration	H04W 60/02, H04W 60/001, H04W 60/002
C	H04W 60/04	1	using triggered events	H04W 60/04, H04W 60/001, H04W 60/002

*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; T = existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:

- **No {curly brackets} are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- U groups: it is obligatory to display the required “anchor” symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups). Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types.
- “Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.

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- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD> , <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“Transferred to”) symbol, however it is required to specify “<no transfer>” in the “Transferred to” column for such cases.
- For finalisation projects, the deleted “F” symbols should have <no transfer> in the “Transferred to” column.
- For more details about the types of scheme change, see CPC Guide.

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B. New, Modified or Deleted Warning(s)

SUBCLASS H04W - WIRELESS COMMUNICATION NETWORKS (broadcast communication H04H; communication systems using wireless links for non-selective communication, e.g. wireless extensions H04M 1/72)

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	H04W 60/00		Group H04W 60/00 is impacted by reclassification into groups H04W 60/001 and H04W 60/002. Groups H04W 60/00, H04W 60/001 and H04W 60/002 should be considered in order to perform a complete search.
N	H04W 60/001		Group H04W 60/001 is incomplete pending reclassification of documents from groups H04W 60/00, H04W 60/005, H04W 60/02 and H04W 60/04. All groups listed in this Warning should be considered in order to perform a complete search.
N	H04W 60/002		Group H04W 60/002 is incomplete pending reclassification of documents from groups H04W 60/00, H04W 60/005, H04W 60/02 and H04W 60/04. All groups listed in this Warning should be considered in order to perform a complete search.
N	H04W 60/005		Group H04W 60/005 is impacted by reclassification into groups H04W 60/001 and H04W 60/002. Groups H04W 60/005, H04W 60/001 and H04W 60/002 should be considered in order to perform a complete search.
N	H04W 60/02		Group H04W 60/02 is impacted by reclassification into groups H04W 60/001 and H04W 60/002. Groups H04W 60/02, H04W 60/001 and H04W 60/002 should be considered in order to perform a complete search.
N	H04W 60/04		Group H04W 60/04 is impacted by reclassification into groups H04W 60/001 and H04W 60/002. Groups H04W 60/04, H04W 60/001 and H04W 60/002 should be considered in order to perform a complete search.

*N = new warning, M = modified warning, D = deleted warning

NOTE: The "Location" column only requires the symbol PRIOR to the location of the warning. No further directions such as "before" or "after" are required.

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2. A. DEFINITIONS (Modified)

H04W 56/00

References

Insert: The following new reference in the Informative references table.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Pure clock synchronization when the synchronization is not used for traffic exchange in wireless communication	H04J 3/0679
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H04W 60/00

Replace: The existing Definition statement text with the following updated text.

Definition statement

This place covers:

- Registering, affiliating of an authorized user or terminal to a network;
- Re-registration of subscribers or terminals in the network;
- De-registration of subscribers or terminals from the network;
- Failure or rejection of the registration, re-registration or de-registration procedures;
- Registration with network slice(s);
- Tracking a subscriber or terminal by monitoring transmitted information e.g. location updates, communication information from the user or terminal either in response of a network's query, trigger event, periodical request or of his own volition, e.g. periodic registration;
- Structure of location areas;
- Mobility database structures therefore.

This group covers all registration procedures caused by the mobility of a terminal which are not induced by a hand-off.

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3. REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	H04W 60/00	H04W 60/00, H04W 60/001, H04W 60/002
C	H04W 60/005	H04W 60/005, H04W 60/001, H04W 60/002
C	H04W 60/02	H04W 60/02, H04W 60/001, H04W 60/002
C	H04W 60/04	H04W 60/04, H04W 60/001, H04W 60/002

* C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed.

NOTES:

- Only C, D, F, and Q type entries are included in the table above.
- When multiple symbols are included in the “To” column, do not use ranges of symbols.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“To”) symbol, however it is required to specify “<no transfer>” in the “To” column for such cases.
- RCL is not needed for finalisation projects.

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4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
H04W 60/001	H04W 60/00	NEW
H04W 60/002	H04W 60/00	NEW

*Action column:

- For an (N) or (Q) entry, provide an IPC symbol and complete the Action column with “NEW.”
- For an existing CPC main trunk entry or indexing entry where the existing IPC symbol needs to be changed, provide an updated IPC symbol and complete the Action column with “UPDATED.”
- For a (D) CPC entry or indexing entry complete the Action column with “DELETE.” IPC symbol does not need to be included in the IPC column.
- For an (N) 2000 series CPC entry which is positioned within the main trunk scheme (breakdown code) provide an IPC symbol and complete the action column with “NEW”.
- For an (N) 2000 series CPC entry positioned at the end of the CPC scheme (orthogonal code), with no IPC equivalent, complete the IPC column with “CPCONLY” and complete the action column with “NEW”.

NOTES:

- F symbols are not included in the CICL table above.
- T and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.