

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1579

DATE: JANUARY 1, 2024

PROJECT RP12202

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	74/0836, 74/0838
Titles Changed:	H04W	74/00, 74/02, 74/04, 74/08, 74/0808, 74/0816, 74/0825, 74/0833
Warnings New:	H04W	74/0833, 74/0836, 74/0838
DEFINITIONS:		
Definitions Modified:	H04W	74/00, 74/002, 74/04, 74/08

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

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of dots</u> <u>(e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	H04W74/00	0	Wireless channel access	
M	H04W74/02	1	Hybrid access	
M	H04W74/04	1	Scheduled access (hybrid access H04W74/02)	
U	H04W74/06	2	using polling	
M	H04W74/08	1	Non-scheduled access, e.g. ALOHA (hybrid access H04W74/02)	
M	H04W74/0808	2	using carrier sensing, e.g. carrier sense multiple access [CSMA]	
M	H04W74/0816	3	with collision avoidance	
M	H04W74/0825	3	{with collision detection}	
C	H04W74/0833	2	Random access procedures, e.g. with 4-step access	H04W74/0833, H04W74/0836, H04W74/0838
N	H04W74/0836	3	with 2-step access	
N	H04W74/0838	3	using contention-free random access [CFRA]	
U	H04W74/0841	3	{with collision treatment}	

*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.

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- 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 (“Transferred to”) symbol, however it is required to specify “<no transfer>” in the “Transferred to” column for such cases.
- For finalization 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 notice(s)

SUBCLASS H04W - WIRELESS COMMUNICATION NETWORKS

Type*	Location	Old Warning notice	New/Modified Warning
N	H04W 74/0833		Group H04W 74/0833 is impacted by reclassification into groups H04W 74/0836 and H04W 74/0838. Groups H04W 74/0833, H04W 74/0836 and H04W 74/0838 should be considered in order to perform a complete search.
N	H04W 74/0836		Group H04W 74/0836 is incomplete pending reclassification of documents from group H04W 74/0833. Groups H04W 74/0833 and H04W 74/0836 should be considered in order to perform a complete search.
N	H04W 74/0838		Group H04W 74/0838 is incomplete pending reclassification of documents from group H04W 74/0833. Groups H04W 74/0833 and H04W 74/0838 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.

2. A. DEFINITIONS (modified)

H04W 74/00

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

Definition statement

This place covers:

Techniques or arrangements for managing user or terminal access requests.

Techniques or arrangements for arbitration of access between contending users.

Insert: The following new Glossary of terms section.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

random access procedure	procedure where a terminal performs access to a 3GPP-standard based network on a random access channel
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H04W 74/002

References

Replace: The existing Informative references table with the following updated table.

Informative references

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

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Transmission and use of information for re-establishing the radio link of access information of target access points	H04W36/0077
Access restriction or access information delivery, e.g. discovery data delivery	H04W48/08
Random access procedures, e.g. with 4-step access	H04W74/0833
Random access procedures, e.g. with 2-step access	H04W 74/0836
Random access procedures using contention-free random access [CFRA]	H04W 74/0838

[H04W 74/04](#)

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

Definition statement

This place covers:

Users are scheduled for transmission in an orderly fashion generally by a controller or are aware of their scheduled transmission rights.

Covers also Slotted access.

References

Delete: The term “techniques” from the Limiting references table.

Limiting references

This place does not cover:

Hybrid access	H04W 74/02
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H04W 74/08

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

Definition statement

This place covers:

Access to the shared wireless channel is performed without full awareness of other users' or channel state.

This group covers the random access as such.

Covers also Slotted ALOHA.

References

Delete: The term "techniques" from the Limiting references table.

Limiting references

This place does not cover:

Hybrid access	H04W 74/02
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3. REVISION CONCORDANCE LIST (RCL)

<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	H04W74/0833	H04W74/0833, H04W74/0836, H04W74/0838

* 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 finalization 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 74/0808	H04W 74/0808	UPDATE
H04W 74/0816	H04W 74/0816	UPDATE
H04W 74/0825	H04W 74/0808	UPDATE
H04W 74/0833	H04W 74/0833	UPDATE
H04W 74/0836	H04W 74/0836	NEW
H04W 74/0838	H04W 74/0838	NEW
H04W 74/0841	H04W 74/0833	UPDATE
H04W 74/085	H04W 74/0833	UPDATE
H04W 74/0858	H04W 74/0833	UPDATE

*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.