

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 484

DATE: FEBRUARY 1, 2018

PROJECT RP0498

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

<u>Action*</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Symbols Deleted:	H04W	76/002, 76/005, 76/007, 76/02, 76/021, 76/022, 76/023, 76/025, 76/026, 76/027, 76/028, 76/04, 76/041, 76/043, 76/045, 76/046, 76/048, 76/06, 76/062, 76/064, 76/066, 76/068
Symbols New:	H04W	76/10, 76/11, 76/12, 76/14, 76/15, 76/16, 76/18, 76/19, 76/20, 76/22, 76/23, 76/25, 76/27, 76/28, 76/30, 76/32, 76/34, 76/36, 76/38, 76/40, 76/45, 76/50
Titles Changed:	H04W	4/06, 4/10
	H04W	76/00
Warnings Deleted:		
Warnings New:		
Warnings Modified:		
Notes Deleted:		
Notes New:	H04W	76/00
Notes Modified:		
Guidance Headings Deleted:		
Guidance Headings New:		
Guidance Headings Modified:		
DEFINITIONS:		
Definitions Deleted: (no frozen (F) symbol definitions should be deleted)	H04W	76/002, 76/005, 76/007, 76/02, 76/021, 76/022, 76/023, 76/025, 76/026, 76/027, 76/028, 76/04, 76/041, 76/043, 76/045, 76/046, 76/048, 76/06, 76/062, 76/064, 76/066, 76/068
Definitions New:	H04W	4/06, 4/10, 76/10, 76/11, 76/12, 76/14, 76/15, 76/16, 76/18, 76/19, 76/20, 76/22, 76/23, 76/25, 76/27, 76/28, 76/30, 76/32, 76/34, 76/36, 76/38, 76/40, 76/45, 76/50
Definitions Modified:	H04W	8/26, 36/0011, 72/12, 88/06

*Delete rows for actions not applicable; Add additional rows as needed.

The following subclasses/groups are also impacted by this Notice of Changes (indicate subclasses/groups outside of the project scope, such as those listed in the CRL):

H04J, H04L

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

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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 Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	H04W 4/06	1	Selective distribution of broadcast services, e.g. multimedia broadcast multicast service [MBMS]; Services to user groups; One-way selective calling services	
M	H04W 4/10	2	Push-to-Talk [PTT] or Push-On-Call services	
M	H04W 76/00	0	Connection management	
D	H04W 76/002	1	{for selective distribution or broadcast}	<administrative transfer to H04W 76/40>
D	H04W 76/005	2	{for Push-to-Talk or Push-on-Call services}	<administrative transfer to H04W 76/45>
D	H04W 76/007	1	{for emergency connection handling}	<administrative transfer to H04W 76/50>
D	H04W 76/02	1	Connection set-up	<administrative transfer to H04W 76/10>
D	H04W 76/021	2	{Allocation or use of connection identifiers}	<administrative transfer to H04W 76/11>
D	H04W 76/022	2	{Set-up of transport tunnels}	<administrative transfer to H04W 76/12>
D	H04W 76/023	2	{Direct mode set-up}	<administrative transfer to H04W 76/14>
D	H04W 76/025	2	{Set-up of multiple wireless link connections}	<administrative transfer to H04W 76/15>
D	H04W 76/026	3	{involving adjacent core network technologies}	<administrative transfer to H04W 76/16>
D	H04W 76/027	2	{Management of set-up rejection or failure}	<administrative transfer to H04W 76/18>
D	H04W 76/028	2	{Connection re-establishment}	<administrative transfer to H04W 76/19>
D	H04W 76/04	1	Connection manipulation	<administrative transfer to H04W 76/20>
D	H04W 76/041	2	{Manipulation of transport tunnels}	<administrative transfer to H04W 76/22>
D	H04W 76/043	2	{Direct mode connection manipulation}	<administrative transfer to H04W 76/23>
D	H04W 76/045	2	{Maintenance of an established connection}	<administrative transfer to H04W 76/25>

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	H04W 76/046	2	{Transitions among RRC [Radio Resource Control] states}	<administrative transfer to H04W 76/27>
D	H04W 76/048	2	{Discontinuous transmission or reception [DTX, DRX]}	<administrative transfer to H04W 76/28>
D	H04W 76/06	1	Connection release	<administrative transfer to H04W 76/30>
D	H04W 76/062	2	{Release of transport tunnels}	<administrative transfer to H04W 76/32>
D	H04W 76/064	2	{Selective release of ongoing connections}	<administrative transfer to H04W 76/34>
D	H04W 76/066	3	{for the purpose of reassigning the resources associated with the released connections}	<administrative transfer to H04W 76/36>
D	H04W 76/068	2	{Connection release triggered by timers}	<administrative transfer to H04W 76/38>
N	H04W 76/10	1	Connection setup	
N	H04W 76/11	2	Allocation or use of connection identifiers	
N	H04W 76/12	2	Setup of transport tunnels	
N	H04W 76/14	2	Direct-mode setup	
N	H04W 76/15	2	Setup of multiple wireless link connections	
N	H04W 76/16	3	Involving different core network technologies, e.g. a packet-switched [PS] bearer in combination with a circuit-switched [CS] bearer	
N	H04W 76/18	2	Management of setup rejection or failure	
N	H04W 76/19	2	Connection re-establishment	
N	H04W 76/20	1	Manipulation of established connections	
N	H04W 76/22	2	Manipulation of transport tunnels	
N	H04W 76/23	2	Manipulation of direct-mode connections	
N	H04W 76/25	2	Maintenance of established connections	
N	H04W 76/27	2	Transitions between radio resource control [RRC] states	
N	H04W 76/28	2	Discontinuous transmission [DTX]; Discontinuous reception [DRX]	
N	H04W 76/30	1	Connection release	
N	H04W 76/32	2	Release of transport tunnels	
N	H04W 76/34	2	Selective release of ongoing connections	
N	H04W 76/36	3	for reassigning the resources associated with the released connections	
N	H04W 76/38	2	triggered by timers	
N	H04W 76/40	1	for selective distribution or broadcast	
N	H04W 76/45	2	for Push-to-Talk [PTT] or Push-to-Talk over cellular [PoC] services	
N	H04W 76/50	1	for emergency connections	

*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; E= existing entries with enlarged file scope, which receive documents from

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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).
- For U groups, the minimum requirement is to include the U group located immediately prior to the N group or N group array, in order to show the N group hierarchy and improve the readability and understanding of the scheme. 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 except “D” which requires only a symbol.
- #“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>” or “<administrative transfer to XX and YY simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be “invention information”, unless otherwise indicated, and to 2000 series groups is assumed to be “additional information”.

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C. New, Modified or Deleted Note(s)

SUBCLASS H04W – WIRELESS COMMUNICATION NETWORKS

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
N	H04W 76/00		In this main group, the first place priority rule is not applied, i.e. the common rule is applied.

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

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

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2. A. DEFINITIONS

H04W4/06 (new)

References

Informative references

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

Resource management for broadcast services	H04W72/005
Connection management for selective distribution or broadcast	H04W76/40

H04W4/10 (new)

References

Informative references

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

Arrangements for real-time multimedia Push-to-X-Services	H04L65/4061
Connection management for Push-to-Talk [PTT] or Push-to-Talk over cellular [PoC] services	H04W76/45

H04W 76/11 (new)

Definition statement

This place covers:

Assignment or use of one or a plurality of connection identifiers when establishing a connection.

References

Informative references

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

Network addressing or numbering for mobility support	H04W 8/26
Arrangements for addressing and naming in data networks characterized by the data terminal	H04L 29/12009

H04W 76/12 (new)

Definition statement

This place covers:

Techniques and arrangements for establishing a tunnel connection for transport in the network, e.g. PDP Context establishment.

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References

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

Protecting privacy or anonymity	H04W 12/02
Arrangements for network security	H04L 29/06551

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H04W 76/14 (new)

Definition statement

This place covers:

Setup of a direct mode connection in a hierarchical pre-organized network whereby the establishment is done either directly between users/terminals or via relaying equipment, e.g. establishment of a wireless connection between two peers.

The user/terminal equipment establishes a direct communication with another user/terminal equipment on a communication channel defined or negotiated via the network. The direct connection between regular members of a network must be a special mode of operation.

References

Informative references

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

Set up of a connection, e.g. between Bluetooth terminals or between terminals belonging to self-organizing networks, e.g. ad-hoc networks or sensor, mesh networks	H04W 84/18
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H04W 76/15 (new)

Definition statement

This place covers:

Techniques and arrangements for establishing a plurality of wireless communication links for transferring information to one user/terminal, i.e. multi-call, multi-bearer connection.

References

Informative references

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

Multichannel or multilink protocols	H04L 29/06088
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H04W 76/16 (new)

Definition statement

This place covers:

The mobile network correlates establishment of multiple bearers across at least two different core network domain technologies in parallel for one and the same end user session. The mobile network introduces a certain level of cooperation between, e.g., a PS bearer and a CS bearer or CS over EPS bearer. Used, e.g., in IMS Centralized Services ICS, Combining Circuit Switched and IMS services CSI.

References

Informative references

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

Control or signalling for completing the hand-off for transferring sessions between adjacent core network technologies	H04W 36/0022
Reselecting a network or an air interface	H04W 36/14

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H04W 76/18 (new)

Definition statement

This place covers:

Techniques and arrangements for the purpose of establishing an alternate connection after the initial connection request being unsuccessful, e.g. retry strategies after rejection or after no response. Rejection of a request for establishing a connection.

References

Informative references

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

Network traffic or resource management, Error control	H04W 28/04
Access restriction performed under specific conditions	H04W 48/02
Reactions to resource unavailability in packet switching systems	H04L 47/74

H04W 76/19 (new)

Definition statement

This place covers:

Recovering or reconnecting an accidentally lost connection.

References

Informative references

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

Control or signalling for completing the hand-off for data session or connection with transfer of context information	H04W 36/0033
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H04W 76/20 (new)

Definition statement

This place covers:

- Switching, re-routing connection or control function in addition to those necessary to establish or maintain connection between users or terminals.
- In-connection signalling, notification, connection state transition to and from e.g. hibernation or dormant mode.
- Connection manipulation aspects of DTX or DRX not related to power saving arrangements.

References

Informative references

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

Hand-off or reselecting arrangements	H04W 36/00
Modification of an existing route due to handover	H04W 40/36
Power saving arrangements	H04W 52/02

H04W 76/22 (new)

Definition statement

This place covers:

Techniques and arrangements for redefining a transport tunnel connection in the network, e.g. PDP context modification.

References

Informative references

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

Control or signalling for completing the hand-off for data session or connection for hand-off preparation	H04W 36/0016
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H04W 76/23 (new)

Definition statement

This place covers:

Transition in a hierarchical pre-organized network between direct mode and via third parties mode. Release of non-active connection legs after the transition.

H04W 76/25 (new)

Definition statement

This place covers:

Techniques and arrangements for maintaining an already established connection and avoiding the release of the resources, e.g. transmitting a "keep-alive" packet over the packet protocol context so as to maintain the packet protocol context.

References

Informative references

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

Arrangements for connection and session management at the data link level	H04L 29/08576
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H04W 76/27 (new)

Definition statement

This place covers:

Transitions between RRC states which reflect the level of user equipment connection and which transport channels can be used by the user equipment, e.g. transition between IDLE, CELL_FACH, CELL_DCH, CELL_PCH and URA_PCH states.

References

Informative references

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

Connection setup	H04W 76/10
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H04W 76/28 (new)

Definition statement

This place covers:

Connection manipulation aspects of DTX or DRX.

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Informative references

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

Determination of parameters used for hand-off, e.g. generation or modification of neighbour cell lists	H04W 36/0083
Power saving arrangements	H04W 52/02

H04W 76/30 (new)

Definition statement

This place covers:

- De-allocating one or a plurality of established connections.
- Signalling therefor.

H04W 76/32 (new)

Definition statement

This place covers:

Techniques and arrangements for releasing a transport tunnel connection in the network, e.g. PDP Context deactivation.

H04W 76/34 (new)

Definition statement

This place covers:

Techniques and arrangements for partially releasing connections of one or a plurality of users. Also release of one or a plurality of connections involved in a multi-call.

H04W 76/36 (new)

Definition statement

This place covers:

Techniques and arrangements for forcibly releasing one or a plurality of the ongoing connections according to criteria like the priority of the users, priority of the information to be transmitted or activity related factors for the purpose of re-assigning the released resources. e.g. call pre-emption.

H04W 76/38 (new)

Definition statement

This place covers:

Techniques and arrangements for releasing connections according to inactivity timers.

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H04W 76/40 (new)

Definition statement

This place covers:

Connection set up for allowing a plurality of users or terminals to be included in a single communication. Connection set up for special broadcast or group call services, e.g. emergency broadcast, CUG, VPN, PTT, PoC (PTT on Cellular), P2C (Press to Connect).

References

Informative references

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

Broadcast or conference, e.g. multicast	H04L 12/18
Arrangements for connecting several subscribers to a common circuit, i.e. affording conference facilities	H04M 3/56

H04W 76/45 (new)

Definition statement

This place covers:

Communication is established among members of a predefined group by an active user with a talk request over usually a half-duplex channel.

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Informative references

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

Trunked mobile radio systems	H04W 84/08
Arrangements for real-time multimedia communications - Push-to-X services	H04L 29/06442

H04W 76/50 (new)

Definition statement

This place covers:

- Connection set up requiring an urgent or hazardous situation; emergency connection set up techniques wherein an originating terminal creates an emergency communication to a central;
- Connection set up in disastrous scenarios wherein a central creates an emergency communication to a terminating terminal or a group of terminals.

References

Informative references

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

Alarm systems in which the location of the alarm condition is signalled to a central station, e.g. fire or police telegraphic systems, characterised by the transmission medium, using wireless transmission systems	G08B 25/10
Cordless telephones for supporting an emergency service	H04M 1/72536

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Centralised call answering arrangements requiring operator intervention for emergency applications	H04M 3/5116
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2. B. DEFINITIONS QUICK FIX

<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
H04W 8/26	Informative references	Assignment or use of connection identifiers when establishing a connection <u>H04W 76/021</u>	Replace symbol with H04W 76/11
H04W 36/0011	Informative references	Connection manipulation <u>H04W 76/04</u>	Replace symbol with H04W 76/20
H04W 72/12	Informative references	Discontinuous transmission or reception <u>H04W 76/048</u>	Replace symbol with H04W 76/28
H04W 88/06	Informative references	Connection manipulation, discontinuous transmission or reception <u>H04W 76/048</u>	Replace symbol with H04W 76/28
H04W 76/002	Entire definition		Delete entire definition
H04W 76/005	Entire definition		Delete entire definition
H04W 76/007	Entire definition		Delete entire definition
H04W 76/02	Entire definition		Delete entire definition
H04W 76/021	Entire definition		Delete entire definition
H04W 76/022	Entire definition		Delete entire definition
H04W 76/023	Entire definition		Delete entire definition
H04W 76/025	Entire definition		Delete entire definition
H04W 76/026	Entire definition		Delete entire definition
H04W 76/027	Entire definition		Delete entire definition
H04W 76/028	Entire definition		Delete entire definition
H04W 76/04	Entire definition		Delete entire definition
H04W 76/041	Entire definition		Delete entire definition
H04W 76/043	Entire definition		Delete entire definition
H04W 76/045	Entire definition		Delete entire definition
H04W 76/046	Entire definition		Delete entire definition
H04W 76/048	Entire definition		Delete entire definition
H04W 76/06	Entire definition		Delete entire definition

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H04W 76/062	Entire definition		Delete entire definition
H04W 76/064	Entire definition		Delete entire definition
H04W 76/066	Entire definition		Delete entire definition
H04W 76/068	Entire definition		Delete entire definition

NOTES:

- The table above is used for corrections or modifications to existing definitions, e.g. delete an entire definition or part thereof; propose new wording or modify wording of a section, change the symbol the definition is associated with, change or delete a reference symbol, etc.
- Do not delete (F) symbol definitions.

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3. REVISION CONCORDANCE LIST (RCL)

<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
D	H04W 76/002	<administrative transfer to H04W 76/40>
D	H04W 76/005	<administrative transfer to H04W 76/45>
D	H04W 76/007	<administrative transfer to H04W 76/50>
D	H04W 76/02	<administrative transfer to H04W 76/10>
D	H04W 76/021	<administrative transfer to H04W 76/11>
D	H04W 76/022	<administrative transfer to H04W 76/12>
D	H04W 76/023	<administrative transfer to H04W 76/14>
D	H04W 76/025	<administrative transfer to H04W 76/15>
D	H04W 76/026	<administrative transfer to H04W 76/16>
D	H04W 76/027	<administrative transfer to H04W 76/18>
D	H04W 76/028	<administrative transfer to H04W 76/19>
D	H04W 76/04	<administrative transfer to H04W 76/20>
D	H04W 76/041	<administrative transfer to H04W 76/22>
D	H04W 76/043	<administrative transfer to H04W 76/23>
D	H04W 76/045	<administrative transfer to H04W 76/25>
D	H04W 76/046	<administrative transfer to H04W 76/27>
D	H04W 76/048	<administrative transfer to H04W 76/28>
D	H04W 76/06	<administrative transfer to H04W 76/30>
D	H04W 76/062	<administrative transfer to H04W 76/32>
D	H04W 76/064	<administrative transfer to H04W 76/34>
D	H04W 76/066	<administrative transfer to H04W 76/36>
D	H04W 76/068	<administrative transfer to H04W 76/38>

* 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.

NOTES:

- Only C, D, F and Q type entries are included in the table above.
- When multiple symbols are included in the “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>” or “<administrative transfer to XX and YY simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be “invention information”, unless otherwise indicated, and to 2000 series groups is assumed to be “additional information”.

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
H04W 76/02	H04W 76/02	DELETE
H04W 76/021	H04W 76/02	DELETE
H04W 76/022	H04W 76/02	DELETE
H04W 76/023	H04W 76/02	DELETE
H04W 76/025	H04W 76/02	DELETE
H04W 76/026	H04W 76/02	DELETE
H04W 76/027	H04W 76/02	DELETE
H04W 76/028	H04W 76/02	DELETE
H04W 76/04	H04W 76/04	DELETE
H04W 76/041	H04W 76/04	DELETE
H04W 76/043	H04W 76/04	DELETE
H04W 76/045	H04W 76/04	DELETE
H04W 76/046	H04W 76/04	DELETE
H04W 76/048	H04W 76/04	DELETE
H04W 76/06	H04W 76/06	DELETE
H04W 76/062	H04W 76/06	DELETE
H04W 76/064	H04W 76/06	DELETE
H04W 76/066	H04W 76/06	DELETE
H04W 76/068	H04W 76/06	DELETE
H04W 76/10	H04W 76/10	NEW
H04W 76/11	H04W 76/11	NEW
H04W 76/12	H04W 76/12	NEW
H04W 76/14	H04W 76/14	NEW
H04W 76/15	H04W 76/15	NEW
H04W 76/16	H04W 76/16	NEW
H04W 76/18	H04W 76/18	NEW
H04W 76/19	H04W 76/19	NEW
H04W 76/20	H04W 76/20	NEW
H04W 76/22	H04W 76/22	NEW
H04W 76/23	H04W 76/23	NEW
H04W 76/25	H04W 76/25	NEW
H04W 76/27	H04W 76/27	NEW
H04W 76/28	H04W 76/28	NEW
H04W 76/30	H04W 76/30	NEW
H04W 76/32	H04W 76/32	NEW
H04W 76/34	H04W 76/34	NEW
H04W 76/36	H04W 76/36	NEW
H04W 76/38	H04W 76/38	NEW
H04W 76/40	H04W 76/40	NEW
H04W 76/45	H04W 76/45	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
H04W 76/50	H04W 76/50	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.
- E and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.

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5. CROSS-REFERENCE LIST (CRL)

Scheme references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
H04L 65/4061	H04W 76/005	H04W76/45

Definitions references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
H04J 3/17	H04W 76/048 (Referenced with H04W52/12)	Limiting references	H04W 76/28
H04L 65/4061	H04W 76/005	Limiting references	H04W 76/45
H04L 67/104	H04W 76/023	Limiting references	H04W 76/14

NOTES:

- The CRL tables above are used for changes to locations outside of the project scope. Changes to references in scheme titles or definitions inside the project scope will be reflected in the “scheme change” template or one of the “definition” templates.
- In addition to other changes proposed in the tables above, in the column titled “Referenced subclass or group to be changed,” **referenced** D symbols should indicate an action of “delete” or should indicate a replacement symbol and **referenced** F symbols should indicate a replacement symbol.
- When a reference is deleted, text related to that reference will also be deleted unless other references or a range of references associated with the same text remain.