

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 485

DATE: FEBRUARY 1, 2018

PROJECT RP0501

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	4/001, 4/003, 4/005, 4/006, 4/008, 4/028, 4/206, 4/22, 4/26
Symbols Deleted Pending Reclassification: (frozen (F))	H04W	4/04, 4/043, 4/046
Symbols New:	H04W	4/024, 4/029, 4/21, 4/23, 4/30, 4/33, 4/35, 4/38, 4/40, 4/42, 4/44, 4/46, 4/48, 4/50, 4/60, 4/70, 4/80, 4/90
Titles Changed:	H04W	4/00, 4/02, 4/021, 4/08, 4/12, 4/14, 4/16, 4/18, 4/185, 4/20
Warnings New:	H04W	4/02, 4/021, 4/022, 4/023, 4/024, 4/025, 4/026, 4/027, 4/029, 4/04, 4/043, 4/046, 4/20, 4/21, 4/23, 4/30, 4/33, 4/35, 4/38, 4/40, 4/42, 4/44, 4/46, 4/48
Notes Modified:	H04W	4/00
DEFINITIONS:		
Definitions Modified:	H04W	4/00

The following subclasses/groups are also impacted by this Notice of Changes: G06F, G08B, H04L, H04M

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)

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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	H04W4/00	0	Services specially adapted for wireless communication networks; Facilities therefor	
D	H04W4/001	1	{Provisioning or reconfiguring application services, e.g. OMA DM (program loading or initiating G06F 9/445; mobile agents G06F 9/4862; network management H04L 41/00; network arrangements or communication protocols for networked applications involving the movement of software or configuration parameters, e.g. applets H04L 67/34)}	<administrative transfer to H04W4/50>
D	H04W4/003	1	{Mobile application execution environments for application services, e.g. communicating with application store or appstore servers in the application service network and vice versa, 3GPP SIM Application toolkit [SAT], 3GPP OSA or 3GPP MEXE (processing of user or subscriber data at user equipment or user record carrier H04W 8/183)}	<administrative transfer to H04W4/60>
D	H04W4/005	1	{for Machine-to-Machine communication [M2M, MTC], e.g. 3GPP M2M, OMA M2M, 3GPP MTC or Wireless Sensor Networks [WSN] (self-organizing networks H04W 84/18; network arrangements or communication protocols for networked applications adapted for proprietary or special purpose networking environments, e.g. medical networks, sensor networks, networks in a car, remote metering networks H04L 67/12; mechanical means for transferring the output of a sensing member G01D 5/00)}	<administrative transfer to H04W4/70>
D	H04W4/006	2	{using cooperative applications for harvesting, aggregating or forwarding data, e.g. data fusion, aggregation or diffusion in WSN, master/slave node hierarchy negotiations in WSN}	<administrative transfer to H04W4/38>

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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	H04W4/008	1	{using short range communication, e.g. NFC, RFID or PAN (telephonic substation extension arrangements interfacing with an external accessory using a two-way short-range wireless interface H04M 1/7253; mechanical means for transferring the output of a sensing member G01D 5/00; near-field transmission systems H04B 5/00)}	<administrative transfer to H04W4/80>
C	H04W4/02	1	Services making use of location information	H04W4/02, H04W4/024, H04W4/029
E	H04W4/021	2	Services related to particular areas, e.g. point of interest [POI] services, venue services or geofences	
E	H04W4/022	3	{with dynamic range variability}	
E	H04W4/023	2	{using mutual or relative location information between multiple location based services [LBS] targets or of distance thresholds}	
N	H04W4/024	2	Guidance services	
E	H04W4/025	2	{using location based information parameters}	
E	H04W4/026	3	{using orientation information, e.g. compass}	
E	H04W4/027	3	{using movement velocity, acceleration information}	
D	H04W4/028	3	{using historical or predicted position information, e.g. trajectory data}	<administrative transfer to H04W4/029>
N	H04W4/029	2	Location-based management or tracking services	
F	H04W4/04	2	{using association of physical positions and logical data} in a dedicated environment, e.g. buildings or vehicles	H04W4/02, H04W4/021, H04W4/022, H04W4/023, H04W4/024, H04W4/025, H04W4/026, H04W4/027, H04W4/029, H04W4/30, H04W4/33, H04W4/35, H04W4/38, H04W4/40, H04W4/42, H04W4/44, H04W4/46, H04W4/48
F	H04W4/043	3	{using ambient awareness, e.g. involving buildings using floor or room numbers}	H04W4/02, H04W4/021, H04W4/022, H04W4/023, H04W4/024, H04W4/025, H04W4/026, H04W4/027, H04W4/029, H04W4/33

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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#
F	H04W4/046	3	{involving vehicles, e.g. floating traffic data [FTD] or vehicle traffic prediction}	H04W4/02, H04W4/021, H04W4/022, H04W4/023, H04W4/024, H04W4/025, H04W4/026, H04W4/027, H04W4/029, H04W4/40, H04W4/42, H04W4/44, H04W4/46, H04W4/48
M	H04W4/08	2	User group management	
M	H04W4/12	1	Messaging; Mailboxes; Announcements	
M	H04W4/14	2	Short messaging services, e.g. short message services [SMS] or unstructured supplementary service data [USSD]	
M	H04W4/16	1	Communication-related supplementary services, e.g. call-transfer or call-hold	
M	H04W4/18	1	Information format or content conversion, e.g. adaptation by the network of the transmitted or received information for the purpose of wireless delivery to users or terminals	
M	H04W4/185	2	{by embedding added-value information into content, e.g. geo-tagging}	
C	H04W4/20	1	Services signaling; Auxiliary data signalling, i.e. transmitting data via a non-traffic channel	H04W4/20, H04W4/21, H04W4/23
U	H04W4/203	2	{for converged personal network application service interworking, e.g. OMA converged personal network services [CPNS]}	
D	H04W4/206	2	{for socializing or targeting users of the same wireless application service, e.g. joint gesture signalling or mobile advertising signalling (marketing G06Q 30/02; input arrangements for transferring data to be processed into a form capable of being handled by the computer for entering handwritten data G06F 3/04883)}	<administrative transfer to H04W4/21>
N	H04W4/21	2	for social networking applications	
D	H04W4/22	1	{Mobile application service} emergency connection handling {or mobile application services handling urgent or hazardous situations, e.g. 3GPP earthquake and tsunami warning system [ETWS] (connection management for emergency connection handling H04W 76/007; centralised arrangements for answering calls for emergency applications requiring operator intervention H04M 3/5116)}	<administrative transfer to H04W4/90>

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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#
N	H04W4/23	2	for mobile advertising	
E	H04W4/24	1	Accounting or billing	
D	H04W4/26	2	Usage measurement	<administrative transfer to H04W4/24>
N	H04W4/30	1	Services specially adapted for particular environments, situations or purposes	
N	H04W4/33	2	for indoor environments, e.g. buildings	
N	H04W4/35	2	for the management of goods or merchandise	
N	H04W4/38	2	for collecting sensor information	
N	H04W4/40	2	for vehicles, e.g. vehicle-to-pedestrians [V2P]	
N	H04W4/42	3	for mass transport vehicles, e.g. buses, trains or aircraft	
N	H04W4/44	3	for communication between vehicles and infrastructures, e.g. vehicle-to-cloud [V2C] or vehicle-to-home [V2H]	
N	H04W4/46	3	for vehicle-to-vehicle communication [V2V]	
N	H04W4/48	3	for in-vehicle communication	
N	H04W4/50	1	Service provisioning or reconfiguring	
N	H04W4/60	1	Subscription-based services using application servers or record carriers, e.g. SIM application toolkits	
N	H04W4/70	1	Services for machine-to-machine communication [M2M] or machine type communication [MTC]	
N	H04W4/80	1	Services using short range communication, e.g. near-field communication [NFC], radio-frequency identification [RFID] or low energy communication	
N	H04W4/90	1	Services for handling of emergency or hazardous situations, e.g. earthquake and tsunami warning systems [ETWS]	

*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 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).

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- 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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B. New, Modified or Deleted Warning notice(s)

SUBCLASS H04W WIRELESS COMMUNICATION NETWORKS

Type*	Location	Old Warning notice	New/Modified Warning notice
N	H04W4/02		Group H04W 4/02 is incomplete pending reclassification of documents from groups H04W 4/04, H04W4/043 and H04W 4/046. Group H04W 4/02 is also impacted by reclassification into groups H04W4/024 and H04W4/029. All groups listed in this Warning should be considered in order to perform a complete search.
N	H04W4/021		Group H04W 4/021 is incomplete pending reclassification of documents from groups H04W 4/04, H04W4/043 and H04W 4/046. Groups H04W 4/04, H04W 4/043, H04W 4/046 and H04W 4/021 should be considered in order to perform a complete search.
N	H04W4/022		Group H04W 4/022 is incomplete pending reclassification of documents from groups H04W 4/04, H04W4/043 and H04W 4/046. Groups H04W 4/04, H04W 4/043, H04W 4/046 and H04W 4/022 should be considered in order to perform a complete search.
N	H04W4/023		Group H04W 4/023 is incomplete pending reclassification of documents from groups H04W 4/04, H04W4/043 and H04W 4/046. Groups H04W 4/04, H04W4/043, H04W4/046 and H04W 4/023 should be considered in order to perform a complete search.
N	H04W4/024		Group H04W 4/024 is incomplete pending reclassification of documents from groups H04W 4/02, H04W 4/04, H04W4/043 and H04W 4/046. Groups H04W 4/02, H04W 4/04, H04W 4/043, H04W 4/046 and H04W 4/024 should be considered in order to perform a complete search.
N	H04W4/025		Group H04W 4/025 is incomplete pending reclassification of documents from groups H04W 4/04, H04W4/043 and H04W 4/046. Groups H04W 4/04, H04W 4/043, H04W 4/046 and H04W 4/025 should be considered in order to perform a complete search.
N	H04W4/026		Group H04W 4/026 is incomplete pending reclassification of documents from groups H04W 4/04, H04W4/043 and H04W 4/046. Groups H04W 4/04, H04W 4/043, H04W 4/046 and H04W 4/026 should be considered in order to perform a complete search.
N	H04W4/027		Group H04W 4/027 is incomplete pending reclassification of documents from groups H04W 4/04, H04W4/043 and H04W 4/046. Groups H04W 4/04, H04W 4/043, H04W 4/046 and H04W 4/027 should be considered in order to perform a complete search.

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Type*	Location	Old Warning notice	New/Modified Warning notice
N	H04W4/029		Group H04W 4/029 is incomplete pending reclassification of documents from groups H04W 4/02, H04W 4/04, H04W4/043 and H04W 4/046. Groups H04W 4/02, H04W 4/04, H04W 4/043, H04W 4/046 and H04W 4/029 should be considered in order to perform a complete search.
N	H04W4/04		Group H04W 4/04 is no longer used for the classification of documents as of February 1, 2018. The content of this group is being reclassified into groups H04W 4/02 – H04W 4/029, and H04W 4/30 – H04W 4/48. All groups listed in this Warning should be considered in order to perform a complete search.
N	H04W4/043		Group H04W 4/043 is no longer used for the classification of documents as of February 1, 2018. The content of this group is being reclassified into groups H04W 4/02 – H04W 4/029, and H04W 4/33. All groups listed in this Warning should be considered in order to perform a complete search.
N	H04W4/046		Group H04W 4/046 is no longer used for the classification of documents as of February 1, 2018. The content of this group is being reclassified into groups H04W 4/02 – H04W 4/029, and H04W 4/40 – H04W 4/48. All groups listed in this Warning should be considered in order to perform a complete search.
N	H04W4/20		Group H04W 4/20 is impacted by reclassification into groups H04W 4/21 and H04W 4/23. Groups H04W 4/20, H04W 4/21, and H04W 4/23 should be considered in order to perform a complete search.
N	H04W4/21		Group H04W 4/21 is incomplete pending reclassification of documents from group H04W 4/20. Groups H04W 4/20 and H04W 4/21 should be considered in order to perform a complete search.
N	H04W4/23		Group H04W 4/23 is incomplete pending reclassification of documents from group H04W 4/20. Groups H04W 4/20 and H04W 4/23 should be considered in order to perform a complete search.
N	H04W4/30		Group H04W 4/30 is incomplete pending reclassification of documents from group H04W 4/04. Groups H04W 4/04 and H04W 4/30 should be considered in order to perform a complete search.
N	H04W4/33		Group H04W 4/33 is incomplete pending reclassification of documents from groups H04W 4/04 and H04W 4/043. Groups H04W 4/04, H04W 4/043 and H04W 4/33 should be considered in order to perform a complete search.
N	H04W4/35		Group H04W 4/35 is incomplete pending reclassification of documents from group H04W 4/04. Groups H04W 4/04 and H04W 4/35 should be considered in order to perform a complete search.
N	H04W4/38		Group H04W 4/38 is incomplete pending reclassification of documents from group H04W 4/04. Groups H04W 4/04 and H04W 4/38 should be considered in order to perform a complete search.

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
N	H04W4/40		Group H04W 4/40 is incomplete pending reclassification of documents from groups H04W 4/04 and H04W 4/046. Groups H04W 4/04, H04W 4/046 and H04W 4/40 should be considered in order to perform a complete search.
N	H04W4/42		Group H04W 4/42 is incomplete pending reclassification of documents from groups H04W 4/04 and H04W 4/046. Groups H04W 4/04, H04W 4/046 and H04W 4/42 should be considered in order to perform a complete search.
N	H04W4/44		Group H04W 4/44 is incomplete pending reclassification of documents from groups H04W 4/04 and H04W 4/046. Groups H04W 4/04, H04W 4/046 and H04W 4/44 should be considered in order to perform a complete search.
N	H04W4/46		Group H04W 4/46 is incomplete pending reclassification of documents from groups H04W 4/04 and H04W 4/046. Groups H04W 4/04, H04W 4/046 and H04W 4/46 should be considered in order to perform a complete search.
N	H04W4/48		Group H04W 4/48 is incomplete pending reclassification of documents from groups H04W 4/04 and H04W 4/046. Groups H04W 4/04, H04W 4/046 and H04W 4/48 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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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>
M	H04W4/00		<u>Add</u> to the current notes: 3. In this 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.

2. A. DEFINITIONS (modified)

H04W4/00

Definition statement

Delete the current Definition statement and replace with the following:

Providing wireless communication services by or via one or a plurality of network equipment to one or a plurality of affiliated user or terminal equipment.

Informative references

Add the following new rows to the existing Informative references table:

Wireless network security	H04W12/00
Network arrangements or protocols	H04L61/00
Network architectures or network communications	H04L63/00
Network arrangements or protocols in real time	H04L65/00
Network arrangements or communication protocols for networked applications	H04L67/00
Telephonic communication, substation extension arrangements, cordless telephones, portable communication terminals with improved user interface to control a main telephone operation mode or to indicate the communication status	H04M1/72522
Application independent communication protocol aspects	H04L69/00

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3. REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	H04W 4/001	<administrative transfer to H04W 4/50>
D	H04W 4/003	<administrative transfer to H04W 4/60>
D	H04W 4/005	<administrative transfer to H04W 4/70>
D	H04W 4/006	<administrative transfer to H04W 4/38>
D	H04W 4/008	<administrative transfer to H04W 4/80>
C	H04W 4/02	H04W 4/02, H04W 4/024, H04W 4/029
D	H04W 4/028	<administrative transfer to H04W 4/029>
F	H04W 4/04	H04W 4/02, H04W 4/021, H04W 4/022, H04W 4/023, H04W 4/024, H04W 4/025, H04W 4/026, H04W 4/027, H04W 4/029, H04W 4/30, H04W 4/33, H04W 4/35, H04W 4/38, H04W 4/40, H04W 4/42, H04W 4/44, H04W 4/46, H04W 4/48
F	H04W 4/043	H04W 4/02, H04W 4/021, H04W 4/022, H04W 4/023, H04W 4/024, H04W 4/025, H04W 4/026, H04W 4/027, H04W 4/029, H04W 4/33
F	H04W 4/046	H04W 4/02, H04W 4/021, H04W 4/022, H04W 4/023, H04W 4/024, H04W 4/025, H04W 4/026, H04W 4/027, H04W 4/029, H04W 4/40, H04W 4/42, H04W 4/44, H04W 4/46, H04W 4/48
C	H04W 4/20	H04W 4/20, H04W 4/21, H04W 4/23
D	H04W 4/206	<administrative transfer to H04W 4/21>
D	H04W 4/22	<administrative transfer to H04W 4/90>
D	H04W 4/26	<administrative transfer to H04W 4/24>

* 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>
H04W4/001		Delete
H04W4/003		Delete
H04W4/005		Delete
H04W4/006		Delete
H04W4/008		Delete
H04W4/028		Delete
H04W4/206		Delete
H04W4/26		Delete
H04W4/22		Delete
H04W4/024	H04W4/024	New
H04W4/029	H04W4/029	New
H04W4/21	H04W4/21	New
H04W4/23	H04W4/23	New
H04W4/30	H04W4/30	New
H04W4/33	H04W4/33	New
H04W4/35	H04W4/35	New
H04W4/38	H04W4/38	New
H04W4/40	H04W4/40	New
H04W4/42	H04W4/42	New
H04W4/44	H04W4/44	New
H04W4/46	H04W4/46	New
H04W4/48	H04W4/48	New
H04W4/50	H04W4/50	New
H04W4/60	H04W4/60	New
H04W4/70	H04W4/70	New
H04W4/80	H04W4/80	New
H04W4/90	H04W4/90	New
H04W4/021	H04W4/021	Update
H04W4/022	H04W4/021	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”.

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- 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>
H04W28/0215	{based on user or device properties, e.g. MTCcapable devices (mobile application services or facilities specially adapted for wireless communication networks for machine-to-machine communication H04W 4/005; wireless resource selection or allocation plan definition based on terminal or device properties H04W 72/048)}	<u>Replace</u> with the following text: Services for machine-to-machine communication [M2M] or machine type communication [MTC] H04W4/70 ; wireless resource selection or allocation plan definition based on terminal or device properties H04W72/048 .

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>
G06F3/147	H04W4/04	Informative references	<u>Delete</u> completely the entire row – text and symbol.
G08B25/00	H04W4/22	Limiting Reference	<u>Replace</u> the symbol H04W 4/22 with H04W 4/90
H04L67/18	H04W4/02, H04W4/04	Informative references	<u>Delete</u> completely the entire row – text and symbols.
H04M3/42187	H04W4/22	Special rules of classification	<u>Replace</u> the symbol H04W 4/22 with H04W 4/90
H04M11/04	H04W4/22	Informative references	<u>Replace</u> the existing <u>text</u> and <u>symbol</u> with the following: Services facilitating emergency connection H04W4/90

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.