

EUROPEAN PATENT OFFICE  
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 57

JANUARY 15, 2015

PROJECT RP0113

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

<u>Action*</u>	<u>Subclass</u>	<u>Group(s)</u>
<b>Symbols deleted:</b>	H04B	3/464
	H04B	3/468
	H04B	17/0002
	H04B	17/0005
	H04B	17/0007
	H04B	17/001
	H04B	17/0012
	H04B	17/0015
	H04B	17/0017
	H04B	17/002
	H04B	17/0022
	H04B	17/0025
	H04B	17/0027
	H04B	17/003
	H04B	17/0032
	H04B	17/0035
	H04B	17/0037
	H04B	17/004
	H04B	17/0042
	H04B	17/0045
	H04B	17/0047
	H04B	17/005
	H04B	17/0052
	H04B	17/0055
	H04B	17/0057
	H04B	17/006
	H04B	17/0062
	H04B	17/0065
	H04B	17/0067
	H04B	17/007
	H04B	17/0072
	H04B	17/0075
	H04B	17/0077
	H04B	17/008
	H04B	17/009
	H04B	17/0092
	H04B	17/0095
	H04B	17/0097
	H04B	17/02
	H04B	17/021
	H04B	17/022
	H04B	17/023

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	H04B	17/024
	H04B	17/025
	H04B	17/026
	H04B	17/027
	H04B	17/028
	H04B	17/029
<b>Symbols newly created:</b>	H04B	3/487
	H04B	3/493
	H04B	17/10
	H04B	17/101
	H04B	17/102
	H04B	17/103
	H04B	17/104
	H04B	17/11
	H04B	17/12
	H04B	17/13
	H04B	17/14
	H04B	17/15
	H04B	17/16
	H04B	17/17
	H04B	17/18
	H04B	17/19
	H04B	17/20
	H04B	17/21
	H04B	17/23
	H04B	17/24
	H04B	17/26
	H04B	17/27
	H04B	17/29
	H04B	17/30
	H04B	17/309
	H04B	17/318
	H04B	17/327
	H04B	17/336
	H04B	17/345
	H04B	17/354
	H04B	17/364
	H04B	17/373
	H04B	17/382
	H04B	17/391
	H04B	17/3911
	H04B	17/3912
	H04B	17/3913
	H04B	17/40
	H04B	17/401
	H04B	17/402
	H04B	17/403
	H04B	17/404
	H04B	17/405
	H04B	17/406

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	H04B	17/407
	H04B	17/408
	H04B	17/409
<b>Title change:</b>	H04B	3/462
	H04B	3/466
	H04B	3/48
	H04B	17/00
	H04B	17/0082
<b>Indent Change:</b>	H04B	3/466
<b>Deleted Definitions (no frozen (F) symbol definitions should be deleted):</b>	H04B	17/0067
		17/0072
		17/0077
		17/02

**The following subclasses/groups are also impacted by this Notice of Changes:**  
G01M, G01R, H04B, H04K, H04L, H04M, H04N

**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 Notice(s)
  - C. New, Modified or Deleted Note(s) or Guidance Heading(s)
2. DEFINITIONS (New or Modified)
  - A. DEFINITIONS (Full definition template)
  - B. DEFINITIONS (Definitions Quick Fix)
3.  REVISION CONCORDANCE LIST (RCL)
4.  CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)
5.  CROSS-REFERENCE LIST (CRL)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

**SUBCLASS H04B - TRANSMISSION**

<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>(new or modified)</u> <u>“CPC only” text should be enclosed in {curly brackets}</u>
U	H04B3/46	2	Monitoring; Testing
M	H04B3/462	3	Testing group delay or phase shift, e.g. timing jitter
D	H04B 3/464		Admin transfer to H04B 3/487
M	H04B3/466	4	Testing attenuation in combination with at least one of group delay and phase shift
D	H04B 3/468		Admin transfer to H04B 3/493
M	H04B3/48	3	Testing attenuation (H04B3/466 takes precedence)
N	H04B3/487	3	Testing crosstalk effects
N	H04B3/493	3	Testing echo effects or singing
C	H04B17/00	0	Monitoring; Testing (of line transmission systems H04B3/46; arrangements for monitoring or testing transmission systems employing electromagnetic waves other than radio waves H04B10/07)
D	H04B17/0002		Admin. transfer to H04B17/10
D	H04B17/0005		Admin. transfer to H04B17/11
D	H04B17/0007		Admin. transfer to H04B17/12
D	H04B17/001		Admin. transfer to H04B17/13
D	H04B17/0012		Admin. transfer to H04B17/14
D	H04B17/0015		Admin. transfer to H04B17/11
D	H04B17/0017		Admin. transfer to H04B17/15
D	H04B17/002		Admin. transfer to H04B17/16
D	H04B17/0022		Admin. transfer to H04B17/17
D	H04B17/0025		Admin. transfer to H04B17/18
D	H04B17/0027		Admin. transfer to H04B17/19
D	H04B17/003		Admin. transfer to H04B17/101
D	H04B17/0032		Admin. transfer to H04B17/102
D	H04B17/0035		Admin. transfer to H04B17/103
D	H04B17/0037		Admin. transfer to H04B17/104
D	H04B17/004		Admin. transfer to H04B17/20
D	H04B17/0042		Admin. transfer to H04B17/309
D	H04B17/0045		Admin. transfer to H04B17/327
D	H04B17/0047		Admin. transfer to H04B17/364
D	H04B17/005		Admin. transfer to H04B17/345
D	H04B17/0052		Admin. transfer to H04B17/354
D	H04B17/0055		Admin. transfer to H04B17/345
D	H04B17/0057		Admin. transfer to H04B17/318
D	H04B17/006		Admin. transfer to H04B17/336
D	H04B17/0062		Admin. transfer to H04B17/21
D	H04B17/0065		Admin. transfer to H04B17/23
D	H04B17/0067		Admin. transfer to H04B17/24

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<b>Type*</b>	<b>Symbol</b>	<b>Indent Level Number of dots (e.g. 0, 1, 2)</b>	<b>Title (new or modified) “CPC only” text should be enclosed in {curly brackets}</b>
D	H04B17/007		Admin. transfer to H04B17/26
D	H04B17/0072		Admin. transfer to H04B17/27
D	H04B17/0075		Admin. transfer to H04B17/373
D	H04B17/0077		Admin. transfer to H04B17/382
D	H04B17/008		Admin. transfer to H04B17/29
M	H04B17/0082	1	{using service channels; using auxiliary channels}
U	H04B17/0085	2	{using test signal generators}
U	H04B17/0087	2	{using auxiliary channels or channel simulators}
D	H04B17/009		Admin. transfer to H04B17/391
D	H04B17/0092		Admin. transfer to H04B17/3911
D	H04B17/0095		Admin. transfer to H04B17/3912
D	H04B17/0097		Admin. transfer to H04B17/3913
D	H04B17/02		Admin. transfer to H04B17/40
D	H04B17/021		Admin. transfer to H04B17/401
D	H04B17/022		Admin. transfer to H04B17/402
D	H04B17/023		Admin. transfer to H04B17/403
D	H04B17/024		Admin. transfer to H04B17/404
D	H04B17/025		Admin. transfer to H04B17/405
D	H04B17/026		Admin. transfer to H04B17/406
D	H04B17/027		Admin. transfer to H04B17/407
D	H04B17/028		Admin. transfer to H04B17/408
D	H04B17/029		Admin. transfer to H04B17/409
N	H04B17/10	1	of transmitters
N	H04B17/101	2	{for measurement of parameters}
N	H04B17/102	3	{of radiated power at antenna port}
N	H04B17/103	3	{of reflected power, e.g. return loss}
N	H04B17/104	3	{of other parameters, e.g. DC offset, delay or propagation times}
N	H04B17/11	2	for calibration
N	H04B17/12	3	of transmit antennas, e.g. of amplitude or phase
N	H04B17/13	3	of power amplifiers, e.g. of gain or non-linearity
N	H04B17/14	3	of the whole transmission and reception path, e.g. self-test loop-back
N	H04B17/15	2	Performance testing
N	H04B17/16	3	Test equipment located at the transmitter
N	H04B17/17	3	Detection of non-compliance or faulty performance, e.g. response deviations (H04B17/18 takes precedence)
N	H04B17/18	3	Monitoring during normal operation
N	H04B17/19	3	Self-testing arrangements
N	H04B17/20	1	of receivers
N	H04B17/21	2	for calibration; for correcting measurements
N	H04B17/23	2	Indication means, e.g. displays, alarms or audible means
N	H04B17/24	2	with feedback of measurements to the transmitter
N	H04B17/26	2	using historical data, averaging values or statistics
N	H04B17/27	2	for locating or positioning the transmitter
N	H04B17/29	2	Performance testing
N	H04B17/30	1	of propagation channels
N	H04B17/309	2	Measuring or estimating channel quality parameters
N	H04B17/318	3	Received signal strength

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<b>Type*</b>	<b>Symbol</b>	<b>Indent Level Number of dots (e.g. 0, 1, 2)</b>	<b>Title (new or modified) “CPC only” text should be enclosed in {curly brackets}</b>
N	H04B17/327	4	Received signal code power [RSCP]
N	H04B17/336	3	Signal-to-interference ratio [SIR] or carrier-to-interference ratio [CIR]
N	H04B17/345	3	Interference values (H04B17/336 takes precedence)
N	H04B17/354	3	Adjacent channel leakage power
N	H04B17/364	3	Delay profiles
N	H04B17/373	2	Predicting channel quality parameters
N	H04B17/382	2	for resource allocation, admission control or handover
N	H04B17/391	2	Modelling the propagation channel
N	H04B17/3911	3	{Fading models or fading generators}
N	H04B17/3912	3	{Simulation models}
N	H04B17/3913	3	{Predictive models}
N	H04B17/40	1	of relay systems
N	H04B17/401	2	{with selective localization}
N	H04B17/402	3	{using different frequencies}
N	H04B17/403	4	{generated by local oscillators}
N	H04B17/404	4	{selected by local filters}
N	H04B17/405	4	{generated by local multipliers, dividers or modulators}
N	H04B17/406	3	{using coded addresses}
N	H04B17/407	2	{without selective localization}
N	H04B17/408	3	{using successive loop-backs}
N	H04B17/409	3	{by means of resistance, voltage or current measurement}

\*N = new entries (reclassification involved); C = entries with modified file scope (reclassification involved); M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen/entries (deleted pending reclassification completion); U = entries that are unchanged

NOTES:

- To simplify understanding, prior to an N group or N group array, include the U group located immediately prior to the N group or N group array in order to clearly illustrate the location of the N group or N group array in the existing scheme.
- “D = deleted entries” and “F = frozen/entries” may be included, in the scheme changes table above if needed for better understanding of the overall scheme.

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## 2. DEFINITIONS

A. New or Modified**H04B 17/00****Monitoring ; Testing****Definition statement***This group covers:*

- Methods and apparatus for determining the manner in which a transmission system is functioning
- Methods and apparatus for determining the existence, type and location of any trouble
- Monitoring of the communications radio link between the transmitter and the receiver
- Measurements of quality parameters of the transmission/reception signal
- Monitoring of the transmission/reception path
- Modelling the propagation channel.

**References relevant to classification in this group***This group does not cover:*

Monitoring, testing line transmission systems	<a href="#">H04B 3/46</a>
Arrangements for monitoring or testing transmission systems employing electromagnetic waves other than radio waves, e.g. infrared, visible or ultraviolet light	<a href="#">H04B 10/07</a>

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

Details of Transmitters	<a href="#">H04B 1/02</a>
Details of Receivers	<a href="#">H04B 1/06</a>
Monitoring arrangements in multiplex communication	<a href="#">H04J 1/16;</a> <a href="#">H04J 3/14</a>

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Monitoring arrangements; Testing arrangements in data switching networks	<a href="#">H04L 12/26</a>
Supervisory, testing and monitoring arrangements for wireless communication networks	<a href="#">H04W 24/00</a>

## **H04B 17/17**

**Detection of non-compliance or faulty performance, e.g. response deviations (H04B17/18 takes precedence)**

### **Definition statement**

*This group covers:*

Arrangements to detect conditions or status of non-compliance or faulty performance due to failure or degradation.

### **References relevant to classification in this group**

*This group does not cover:*

Monitoring during normal operation	<a href="#">H04B 17/18</a>
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## **H04B 17/18**

**Monitoring during normal operation**

### **Definition statement**

*This group covers:*

Arrangements to monitor performance of the transmission system when in use.

## **H04B 17/27**

**for locating or positioning the transmitter**



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**Informative references**

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

Locating or presence detecting by the use of reflection or reradiation of radio waves	<a href="#">G01S 13/00</a>
Satellite radio beacon positioning systems	<a href="#">G01S 19/00</a>
Locating users or terminals for network management purposes	<a href="#">H04W 64/00</a>

**H04B 17/309****Measuring or estimating channel quality parameters****Definition statement**

*This group covers:*

Arrangements to calculate the present and/or past channel quality parameters based on the present and/or past measured values.

**Informative references**

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

Predicting channel quality parameters	<a href="#">H04B 17/373</a>
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**H04B 17/373****Predicting channel quality parameters****Definition statement**

*This group covers:*

Arrangements to project the future channel quality parameters based on the present and/or past measured values.

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

Measuring or estimating channel quality parameters	<a href="#">H04B 17/309</a>
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**H04B 17/382****for resource allocation, admission control or handover****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Central resource management	<a href="#">H04W 28/16</a>
Hand-off or reselecting arrangements	<a href="#">H04W 36/00</a>
Access restriction; Network selection; Access point selection	<a href="#">H04W 48/00</a>
Local resource management	<a href="#">H04W 72/00</a>

**H04B 17/391****Modelling the propagation channel****Definition statement***This group covers:*

- Simulation to reproduce propagation environment on computers
- Emulation of actual propagation environment using testing apparatus

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3. REVISION CONCORDANCE LIST (RCL)

<b>Type*</b>	<b>From CPC Symbol (existing)</b>	<b>To CPC Symbol (new)</b>
D	H04B 3/464	H04B 3/487
D	H04B 3/468	H04B 3/493
C	H04B 17/00	H04B17/00, 17/30 – 17/391
D	H04B17/0002	H04B17/10
D	H04B17/0005	H04B17/11
D	H04B17/0007	H04B17/12
D	H04B17/001	H04B17/13
D	H04B17/0012	H04B17/14
D	H04B17/0015	H04B17/11
D	H04B17/0017	H04B17/15
D	H04B17/002	H04B17/16
D	H04B17/0022	H04B17/17
D	H04B17/0025	H04B17/18
D	H04B17/0027	H04B17/19
D	H04B17/003	H04B17/101
D	H04B17/0032	H04B17/102
D	H04B17/0035	H04B17/103
D	H04B17/0037	H04B17/104
D	H04B17/004	H04B17/20
D	H04B17/0042	H04B17/309
D	H04B17/0045	H04B17/327
D	H04B17/0047	H04B17/364
D	H04B17/005	H04B17/345
D	H04B17/0052	H04B17/354
D	H04B17/0055	H04B17/345
D	H04B17/0057	H04B17/318
D	H04B17/006	H04B17/336
D	H04B17/0062	H04B17/21
D	H04B17/0065	H04B17/23
D	H04B17/0067	H04B17/24
D	H04B17/007	H04B17/26
D	H04B17/0072	H04B17/27
D	H04B17/0075	H04B17/373
D	H04B17/0077	H04B17/382
D	H04B17/008	H04B17/29
D	H04B17/009	H04B17/391
D	H04B17/0092	H04B17/3911
D	H04B17/0095	H04B17/3912
D	H04B17/0097	H04B17/3913
D	H04B17/02	H04B17/40
D	H04B17/021	H04B17/401
D	H04B17/022	H04B17/402
D	H04B17/023	H04B17/403
D	H04B17/024	H04B17/404
D	H04B17/025	H04B17/405
D	H04B17/026	H04B17/406
D	H04B17/027	H04B17/407

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<b><u>Type*</u></b>	<b><u>From CPC Symbol (existing)</u></b>	<b><u>To CPC Symbol (new)</u></b>
D	H04B17/028	H04B17/408
D	H04B17/029	H04B17/409

\* C = entries with modified file scope (reclassification involved); D = deleted entries,

NOTE: Frozen (F) symbols are not included in the RCL table above.

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
H04B3/462	H04B3/462	Update
H04B 3/464		Delete CPC/IPC
H04B3/466	H04B3/466	Update
H04B 3/468		Delete CPC/IPC
H04B3/487	H04B3/487	New CPC/IPC
H04B3/493	H04B3/493	New CPC/IPC
H04B17/0002		Delete CPC/IPC
H04B17/0005		Delete CPC/IPC
H04B17/0007		Delete CPC/IPC
H04B17/001		Delete CPC/IPC
H04B17/0012		Delete CPC/IPC
H04B17/0015		Delete CPC/IPC
H04B17/0017		Delete CPC/IPC
H04B17/002		Delete CPC/IPC
H04B17/0022		Delete CPC/IPC
H04B17/0025		Delete CPC/IPC
H04B17/0027		Delete CPC/IPC
H04B17/003		Delete CPC/IPC
H04B17/0032		Delete CPC/IPC
H04B17/0035		Delete CPC/IPC
H04B17/0037		Delete CPC/IPC
H04B17/004		Delete CPC/IPC
H04B17/0042		Delete CPC/IPC
H04B17/0045		Delete CPC/IPC
H04B17/0047		Delete CPC/IPC
H04B17/005		Delete CPC/IPC
H04B17/0052		Delete CPC/IPC
H04B17/0055		Delete CPC/IPC
H04B17/0057		Delete CPC/IPC
H04B17/006		Delete CPC/IPC
H04B17/0062		Delete CPC/IPC
H04B17/0065		Delete CPC/IPC
H04B17/0067		Delete CPC/IPC
H04B17/007		Delete CPC/IPC
H04B17/0072		Delete CPC/IPC
H04B17/0075		Delete CPC/IPC
H04B17/0077		Delete CPC/IPC
H04B17/008		Delete CPC/IPC
H04B17/009		Delete CPC/IPC
H04B17/0092		Delete CPC/IPC
H04B17/0095		Delete CPC/IPC

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
H04B17/0097		Delete CPC/IPC
H04B17/02		Delete CPC/IPC
H04B17/021		Delete CPC/IPC
H04B17/022		Delete CPC/IPC
H04B17/023		Delete CPC/IPC
H04B17/024		Delete CPC/IPC
H04B17/025		Delete CPC/IPC
H04B17/026		Delete CPC/IPC
H04B17/027		Delete CPC/IPC
H04B17/028		Delete CPC/IPC
H04B17/029		Delete CPC/IPC
H04B17/10	H04B17/10	New CPC/IPC
H04B17/101	H04B17/10	New CPC/IPC
H04B17/102	H04B17/10	New CPC/IPC
H04B17/103	H04B17/10	New CPC/IPC
H04B17/104	H04B17/10	New CPC/IPC
H04B17/11	H04B17/11	New CPC/IPC
H04B17/12	H04B17/12	New CPC/IPC
H04B17/13	H04B17/13	New CPC/IPC
H04B17/14	H04B17/14	New CPC/IPC
H04B17/15	H04B17/15	New CPC/IPC
H04B17/16	H04B17/16	New CPC/IPC
H04B17/17	H04B17/17	New CPC/IPC
H04B17/18	H04B17/18	New CPC/IPC
H04B17/19	H04B17/19	New CPC/IPC
H04B17/20	H04B17/20	New CPC/IPC
H04B17/21	H04B17/21	New CPC/IPC
H04B17/23	H04B17/23	New CPC/IPC
H04B17/24	H04B17/24	New CPC/IPC
H04B17/26	H04B17/26	New CPC/IPC
H04B17/27	H04B17/27	New CPC/IPC
H04B17/29	H04B17/29	New CPC/IPC
H04B17/30	H04B17/30	New CPC/IPC
H04B17/309	H04B17/309	New CPC/IPC
H04B17/318	H04B17/318	New CPC/IPC
H04B17/327	H04B17/327	New CPC/IPC
H04B17/336	H04B17/336	New CPC/IPC
H04B17/345	H04B17/345	New CPC/IPC
H04B17/354	H04B17/354	New CPC/IPC
H04B17/364	H04B17/364	New CPC/IPC
H04B17/373	H04B17/373	New CPC/IPC
H04B17/382	H04B17/382	New CPC/IPC
H04B17/391	H04B17/391	New CPC/IPC
H04B17/3911	H04B17/391	New CPC/IPC
H04B17/3912	H04B17/391	New CPC/IPC

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
H04B17/3913	H04B17/391	New CPC/IPC
H04B17/40	H04B17/40	New CPC/IPC
H04B17/401	H04B17/40	New CPC/IPC
H04B17/402	H04B17/40	New CPC/IPC
H04B17/403	H04B17/40	New CPC/IPC
H04B17/404	H04B17/40	New CPC/IPC
H04B17/405	H04B17/40	New CPC/IPC
H04B17/406	H04B17/40	New CPC/IPC
H04B17/407	H04B17/40	New CPC/IPC
H04B17/408	H04B17/40	New CPC/IPC
H04B17/409	H04B17/40	New CPC/IPC

\*Action column:

- For a new (N) CPC symbol, provide an IPC symbol and complete the Action column with “new CPC/IPC.”
- For an existing CPC symbol where the existing IPC symbol needs to be changed, provide an updated IPC symbol and complete the Action column with “new IPC.”
- For a deleted (D) CPC symbol complete the Action column with “delete CPC/IPC.”
- For a 2000 series CPC symbol with no IPC equivalent, complete the Action column with “CPCONLY”.

NOTE: Frozen (F) symbols are not included in the CICL table above.

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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>Change</u>
G01R29/08	H04B17/0042	Measuring or estimating received signal strength H04B17/318
H04N21/24	H04B17/0002	deleted
H04N21/44209	H04B17/0042	deleted
H04N21/4424	H04B17/0067	deleted
H04N21/44245	H04B17/0042	deleted

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>Change</u>
G01M99/00	H04B17/00	Informative reference	Monitoring or testing of relay systems H04B17/40
G01R29/08	H04B17/0042	References relevant	Measuring or estimating channel quality parameters H04B17/309
H04B1/0475	H04B17/0022	Informative reference	Detection of non-compliance or faulty performance in transmitters H04B17/17
H04K3/00	H04B17/0042	Informative reference	Measuring or estimating channel quality parameters H04B17/309
H04K3/00	H04B17/0072	Informative reference	Monitoring or testing of receivers for locating or positioning the transmitter H04B17/27
H04L1/0023	H04B17/0042	References relevant	Measuring or estimating channel quality parameters H04B17/309
H04L1/0023	H04B17/0067	References relevant	Monitoring or testing of receivers with feedback of measurements to the transmitter H04B17/24
H04L1/0026	H04B17/0067	References relevant	Monitoring or testing of receivers with feedback of measurements to the transmitter H04B17/24
H04L1/20	H04B17/0042	References relevant	Measuring or estimating channel quality parameters H04B17/309
H04L25/00	H04B17/009	Informative reference	Modelling the propagation channel H04B17/391



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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Change</u>
H04L27/2605	H04B17/0047	Informative reference	Delay profiles H04B17/364
H04L27/2695	H04B17/004	References relevant	Measuring or estimating channel quality parameters H04B17/309
H04M1/72519	H04B17/0057	Relationship between large subject matter areas	Measuring or estimating received signal strength H04B17/318
H04M11/062	H04B3/464	Informative reference	Testing crosstalk effects – includes Dynamic Spectrum Management used in optimization of DSL transmission parameters H04B3/487
H04M3/22	H04B3/464	Special rules of classification within this group	Testing crosstalk effects H04B3/487
H04N21/24	H04B17/0002	References relevant	Monitoring or testing of transmitters in general H04B17/10
H04N21/44209	H04B17/0042	References relevant	Measuring or estimating channel quality parameters H04B17/309
H04N21/4424	H04B17/0067	References relevant	Monitoring or testing of receivers with feedback of measurements to the transmitter H04B17/24
H04N21/44245	H04B17/0042	References relevant	Measuring or estimating channel quality parameters H04B17/309

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, D (deleted) and F (frozen) symbols should be indicated as deleted from the scheme and definitions in the tables above.
- When a reference is deleted, text related to that reference will also be deleted.

If adding a reference, the text associated with the reference must be included in the “Change” column.