LPWUS Comments file

Template:

# Xnnn

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| RIL Id | WI | Class | Title | Tdoc | Delegate | Misc | File version | Status |
| Xnnn |  |  |  |  |  |  | vnnn | ToDo |

 **[Description]**:

**[Proposed Change]**:

**[Comments]**:

Instructions:

1. Copy the template RIL comments fields above (including the Heading Xnnn)
2. Paste the RIL comments fields at its position while **respecting the order of the RILs in the Review file (i.e. keep the order of the spec).**
3. Fill in the fields, see R19 ASN.1 Guideline.
4. Companies may comment whether they agree or disagree.
5. Can copy spec text and use Word “Track changes”, etc.
6. Do not delete text added by other companies.

# E007

|  |  |  |  |  |  |  |  |  |
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| RIL Id | WI | Class | Title | Tdoc | Delegate | Misc | File version | Status |
| E006 | LPWUS | 2 | Move *lpwus-Config-r19* in *SpCellConfig* |  | Ericsson (Martin) |  | V002 | ToDo |

 **[Description]**: LP-WUS is supported on PCell and/or PSCell and therefore *lpwus-Config-r19* should be put in *SpCellConfig*.

**[Proposed Change]**:

PhysicalCellGroupConfig ::= SEQUENCE {

…

 [[

 dcp-Config-r16 SetupRelease { DCP-Config-r16 } OPTIONAL, -- Need M

…

 ]] }

…

CellGroupConfig ::= SEQUENCE {

…

 spCellConfig SpCellConfig OPTIONAL, -- Need M

…

}

-- Serving cell specific MAC and PHY parameters for a SpCell:

SpCellConfig ::= SEQUENCE {

…

 ]],

 [[

 lpwus-Config-r19 SetupRelease { LPWUS-Config-r19 } OPTIONAL -- Need M

 ]]

}

**[Comments]**: *dcp-Config-r16* should also have been put there.

# E008

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| RIL Id | WI | Class | Title | Tdoc | Delegate | Misc | File version | Status |
| E007 | LPWUS | 1 | Restrictions to configure *s-SearchThresholdP5* and *P6*. |  | Ericsson (Martin) |  | V002 | ToDo |

 **[Description]**: In case the NW does not configure Rel-19 RRM relaxation with LP-WUS, then the NW should be allowed to configure MR serving cell offloading in the complete LP-WUS coverage area. Currently it says: The network configures both *s-SearchThresholdP5* and *s-SearchThresholdP6* to be larger than or equal to *s-IntraSearchP* and *s-NonIntraSearchP*. See [R2-2505857](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_131/Docs//R2-2505857.zip) for more details.

**[Proposed Change]**:

|  |
| --- |
| ***s-SearchThresholdP, s-SearchThresholdP2, s-SearchThresholdP3, s-SearchThresholdP4, s-SearchThresholdP5, s-SearchThresholdP6***Parameters "SSearchThresholdP", "SSearchThresholdP2", "SSearchThresholdP3", "SSearchThresholdP4", "SSearchThresholdP5", and "SSearchThresholdP6" in TS 38.304 [20]. The network configures *s-SearchThresholdP* and *s-SearchThresholdP2* to be less than or equal to *s-IntraSearchP* and *s-NonIntraSearchP*. The network configures *s-SearchThresholdP5* and *s-SearchThresholdP6* to be larger than or equal to *s-SearchThresholdP3* and *s-SearchThresholdP4*, respectively, if there is such configuration(s). |

**[Comments]**:

# E009

|  |  |  |  |  |  |  |  |  |
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| RIL Id | WI | Class | Title | Tdoc | Delegate | Misc | File version | Status |
| E008 | LPWUS | 1 | Empty UAI message for LP-WUS time offset (RRC-5, MAX-X3) |  | Ericsson (Martin) |  | V002 | ToDo |

 **[Description]**: The legacy rules should apply for the preferred time offset signalled via UAI. This means that when *timeOffset-r19* is absent in *LPWUS-OffsetPreference-r19*, aka the UE sends an “empty” UAI message, that the UE does not have a preference for the LP-WUS time offset. PS: when the UE does not include *LPWUS-OffsetPreference-r19* this means that the previous signalled preferred LP-WUS time offset remains valid:

UEAssistanceInformation-v19xx-IEs ::= SEQUENCE {

 lpwus-OffsetPreference-r19 LPWUS-OffsetPreference-r19 OPTIONAL,

 nonCriticalExtension SEQUENCE {} OPTIONAL

}

LPWUS-OffsetPreference-r19 ::= SEQUENCE {

 timeOffset-r19 ENUMERATED {ms5, ms13, ms37} OPTIONAL

}

**[Proposed Change]**: The brackets can be removed, i.e. when the UE does not have a preference for the LP-WUS time offset, then that is also considered a preference, and this preference can be different from an actual preferred LP-WUS time offset previously:

2> if the UE has a preference on time offset for LP-WUS monitoring of the cell group and the UE did not transmit a *UEAssistanceInformation* message with *lpwus-OffsetPreference* for the cell group since it was configured to provide its preference on time offset for LP-WUS monitoring of the cell group for power saving; or

**[Comments]**: