

# Comments on IEEE P802.11bn PAR & CSD

From IEEE 802.1

These comments are on the PAR and CSD found in:

- <https://mentor.ieee.org/802.11/dcn/23/11-23-0480-01-0uhr-uhr-proposed-par.pdf>
- <https://mentor.ieee.org/802.11/dcn/23/11-23-0079-05-0uhr-uhr-draft-proposed-csd.docx>

# PAR

IEEE 802.1 appreciates the detailed review by IEEE 802.3 and James Gilb, and concurs with their comments on the PAR.

In particular, if the title “Ultra High Reliability” is retained, IEEE 802.1 recommends that the scope be expanded to reflect the title. Notably the scope is lacking a clear description of ultra-high reliability. Alternatively, the title should be changed to reflect the contents of the current scope.

# CSD

## 1.2.1 a) *Broad Market Potential*

- Editorial: In the fifth paragraph, change “The emerging of” to “The emergence of”
- We suggest introducing “Ultra High Reliability (UHR)” at this point (fifth paragraph) in the text.
- In the seventh paragraph:
  - Editorial: Change “AR/VR headset” to “AR/VR headsets” (“headset” plural)
  - Is “M2M” short for “mobile to mobile”? Please spell out the acronym.

## 1.2.1 b) *Multiple vendors and numerous users*

- This text focusses on WLAN only, with no mention of UHR. We suggest that, in the last line, “continued progress of WLAN technology” also include mention of UHR.

## 1.2.4 b) *Proven similar technology via testing, modeling, simulation, etc.*

- Editorial: Change “several billions of” to “several billion”.

## 1.2.5 d) *Consideration of operational costs (e.g., energy consumption).*

- Editorial: Change “a significant operation cost benefits” to “a significant operational cost benefit” (“benefit” singular)