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# Whitepaper 5G and Energy Pre standards – Nov 9

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## Pre standards

- Which are the most important requirements?
  1. Secure and reliable communication, with low latency
  2. Lower latency
  
- What are the timelines of those requirements?
  - 2020: Secure and reliable communication
  - +2020: Lower latency
  
- Which are the most relevant standardization bodies in your vertical industry?
  - IEC, CEN, CENELEC, IETF, IEEE, (CIGRE)

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## Pre standards

- What kind of research results are needed to provide timely input to the standardization process?
  - Improvement on latency
  - Reliability boost
  - Business models
  - Security and confidentiality
  - Use of unlicensed spectrum
  - Massive machine-type communication
  - Massive MIMO
  - Accurate time synchronization

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