









WHY DO BUSINESSES GET INVOLVED IN STANDARDISATION?

Standardisation: A Key Market Instrument for Business Growth







Market Access











JTC-22 WORKING GROUP 3 (WG 3) – QUANTUM COMPUTING & SIMULATION Main Work Items Overview



LAYER MODEL OF QUANTUM COMPUTING

Milestone Achieved: First Standardisation Report published by JTC-22 (September 2025)

1.

HYBRIDIZATION OF QUANTUM COMPUTING (ongoing)

Germany, Italy, France, Spain, the UK, Denmark, the Netherlands, Austria

PERFORMANCE BENCHMARKS OF QUANTUM COMPUTING APPLICATIONS (ongoing)

> France, Italy, the UK, the Netherlands, Germany

Cryogenic Solid-State Quantum Computing

> Italy, Austria, Germany, the Netherlands, Danmark









MAXIMISING THE IMPACT OF JTC-22 - WG 3 STANDARDISATION EFFORTS

Issues at Stake & Constraints

'Jungle of Standards'

Market Lock-Ins

Lack of Active Industrial Expertise

Lengthy Processes

Quantum Market Relevancy









MAXIMISING THE IMPACTS OF JTC-22 – WG 3 STANDARDISATION EFFORTS Levers for Action (1/2)

Foster Effective
Alignment between EU &
International Committees

Why: To ensure European standardisation activities with a significant stakeholder recognition serve as **the basis for international standardization activities**

Streamline Standardization Processes

 Why: To enable an efficient and active participation of industry, especially startups with limited resources.









MAXIMISING THE IMPACTS OF JTC-22 – WG 3 STANDARDISATION EFFORTS Levers for Action (2/2)

Reflect on Sustainability Criteria for Quantum Computing Standards

 Why: to build a competitive edge based on sustainable international quantum computing standards based on EU values

Focus Efforts on the Next Quantum Computing Market Reality: FTQC

• Why: To match the R&D market reality and guarantee quantum computing standards are market and industry relevant once issued.





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THANK YOU!

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