

Virtual SIIT 2020

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Can API Standardization Ensure Fair
Competition with the Tech Giants?

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- 40 years experience in standardization.
- Lectures at the University of Colorado, Boulder, CO, USA on isology, the study of references, standards and standardization.
- Founder and technical editor of Communications Standards Review (1990 – 2002).
- Multiple prize winning papers on standards.
- Continuing research in isology, metrology and quantum measurements.

References, standards and standardization

Standardization by	Term
Accident, assumption, convention	common reference
Government	regulation
Private entity	specification
Committee	standard
Market	de facto standard

Terms

Standard: Reference (concept)
 Model or document (realization)

Standardization: Process of creating, implementing,
or using a standard

Controlling network markets

- Regulation (e.g., public utilities)
- Fines
- Breakup (e.g., AT&T divestiture)

Reducing network market dominance

- Standardization of APIs

Self-managing network markets

- Adaptability of APIs



Insights Offered by the Succession of References/Standards

- Adaptability standards support new value systems
- Rather than punitive responses, require standardization
- Patents best applied to similarity
- Limit patents in compatibility standards
- Avoid patents in adaptability standards

Thank you

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