

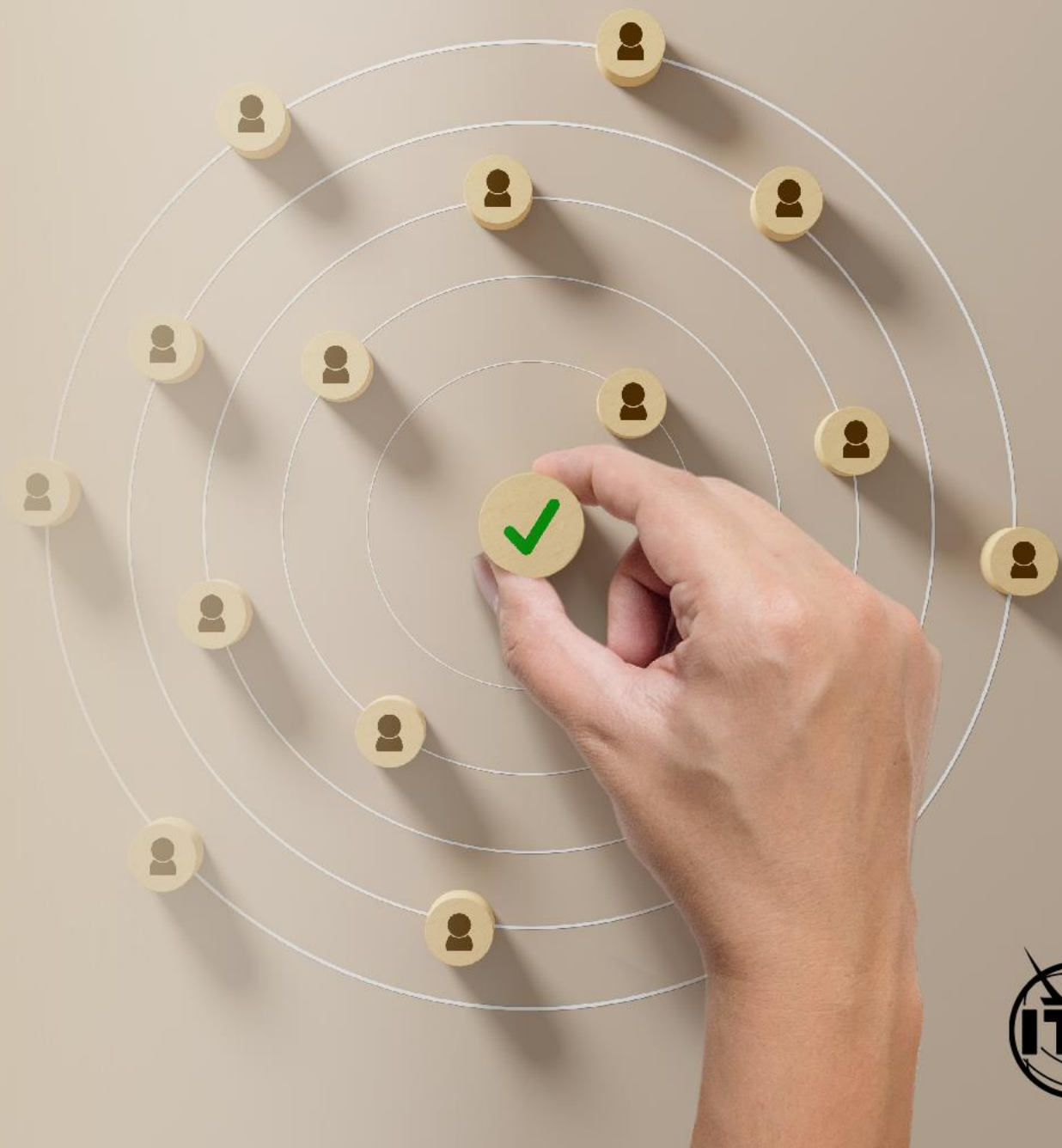
ITUEvents

Industry Engagement Workshop

19 April 2024

Geneva, Switzerland

itu.int/go/iew24





ITU-T Industry Engagement Workshop
Session: *Current Perspectives on Industry Engagement*

GigaReturns on kiloInvestments

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19 Apr 2024

Industry Goal for Communications Standards / Recommendations

- Deployment at scale of interoperable communication devices
- Communication industry always looking for leveraged Return on Investment on a consistent cadence

Perspective by the Numbers

In the transitions from kilobits to Gigabits...

- One Focal Point
- Two country delegations
- Three companies
- Three dud ITU Recommendations (G.pnt, G.hn, MediaHomeNet)
- Four successful ITU Recommendations (T.30 Annex F, G.handshake, G.adsl, G.vdsl)
- Four decades
- Twenty+ communication standards groups
- Eight+ Million miles
- Twenty+ Billion communication devices interoperating from technical contributions



Examples of Success/Failure (Did the standard have GigaReturn?)

Industry Name	ITU Nickname	ITU Recommendation	Deployment
SuperG3 Fax		T.30 Annex F	### million
	V.Fast	V.34	???
K56flex, X2	V.Last	V.90	### million
HomePNA	G.pnt	G.995x	# million
HomePlug			
HomeGrid	G.hn	G.996x	
MoCA			### million
Wi-Fi			##,### million
ADSL T1.413	G.adsl	G.992.1	
VDSL	G.vdsl	G.993.1	#,### million
DOCSIS 1.1, 2.0, 3.0		J.112, J122, J.222	?,??? million
DOCSIS 3.1 / 4.0			
CableLabs CableHome	MediaHomeNet	J.190	0

Indicators of Success/Failure

- Practicality
 - Are there multiple industry participants that actually manufacture/sell products?
 - Is the work instigated by an academic institution?
 - Are participants from the products division of a company?
- Originality
 - Is the basis of the work from a known industry standards group?
 - Is it a rubber stamp of existing work?
 - Does it enhance existing hardware or require replacement?
- Ubiquity
 - Will the work be deployed in multiple regions?
 - Is the work supported by multiple regions?
 - Is it desired by regions outside of the originating region?
- Singularity
 - Is ITU just a different venue to bicker? (venue shopping)(G. Have Nots)
 - Does it create more confusion by attempting yet another approach?
 - Does it resolve between two existing approaches?

Summary





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Points to incorporate

- A formal set of tests might be artificially countered.
- Three eras: Voiceband, birth of broadband service, Home Networking
- Home networking
 - In 2004 and 2005 there were many ITU workshops and meeting on Home networking. Industry was swirling with technologies, names and approaches
 - One technology “won”: Wi-Fi
 - Was the greatest enabler of ITU actually ITU-R WRCs?

