### Harmonization: Benefits and Challenges

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### Once upon a time...

- Standards for "X" were set for the "X" industry by the "X" Association, and "Y" standards were set (etc.)
- Everything worked just fine, because each organization could work at its own speed, in its own way, subject to the same over-arching set of rules



## Until, as so often happens, everything began to change



#### In the IT department:

- Before, computing occurred inside a LAN (which could be proprietary)
- Now, the Internet connects everything into one big happy (?) WAN
- End-users want to mix proprietary and open source software
- And don't forget to integrate wireless devices!



How many standards, from how many standards organizations, did it take to enable this?



In the field, you used to have just a cell phone. Now it's also a:

- Still camera
- Video camera
- PDA

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- Web browser
- Game console

And that was yesterday! (What will it have tomorrow?)

How many standards, and how many standards organizations, did it take to enable this?



If you want to build that phone, what are the IPR rules?

- The hardware standards come from SDOs that are used to asserting royalties
- The video uses standards subject to a patent pool

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- The browser and related standards are all royalty-free
- And now it's got a mobile version of Linux

How many IPR policies, from how many standards organizations, is all that IP subject to?



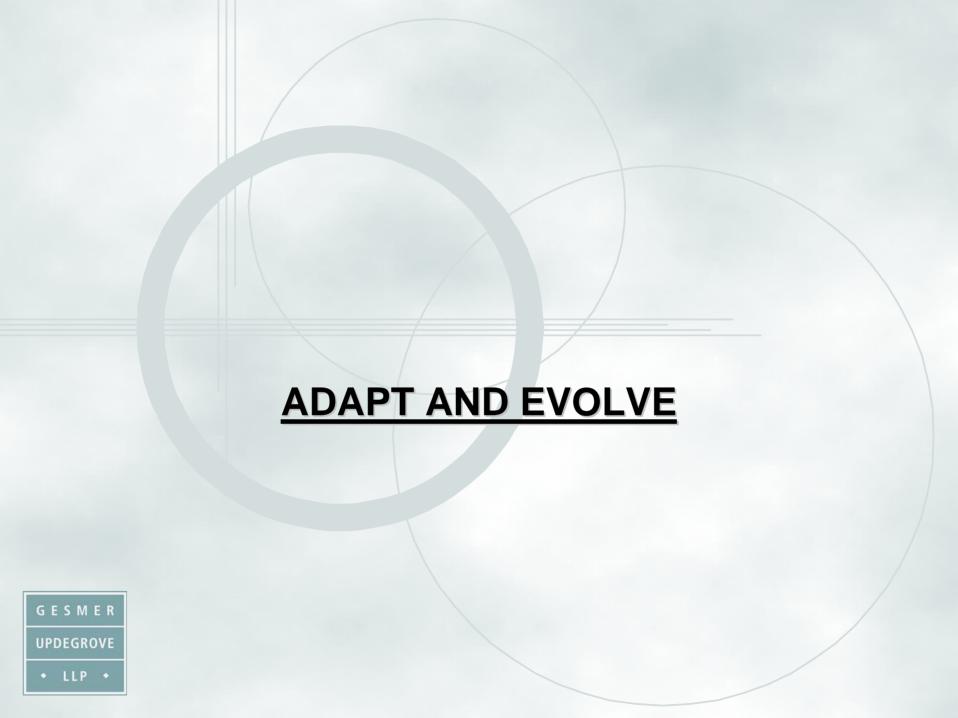
#### Those are just a few examples. How about:

- The networked, wireless home?
- Libraries with digitized print works, new work created electronically, and text first published on line?
- End-to-end supply chain controls, beginning in China and ending in Peoria?
- Homeland security systems?
- eHealth?



## What's a traditional standard setting system to do?





# And that's what we're going to talk about today



### Introductions

- Bob Collet, Sec. Network Operations Industry Consortium
- Edward Rashba, Manager, New Technical Programs, IEEE
- Dan Bart, Co-Chair, ANSI Homeland Security Standards Panel & Sr. VP, Telecommunications Industry Association

