



2009 Open Forum for
Standards Developers

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Cybersecurity: Trends and Business Impacts

Presented by

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Open Forum for Standards Developers

October 6, 2009

Part of the World Standards Week 2009 series of events

Overview

- ❑ Very brief look at a complex topic!
- ❑ Trends: Subject matter
 - Software development processes
 - Cloud computing; Smart Grid
 - Digital identity and privacy coming to the fore
- ❑ Trends: Fora
 - Formal groups remain busy and strong
 - Informal groups on the rise
- ❑ Impacts: An anecdote

Trends: Subject matter

- ❑ Growing interest in “software” development processes
 - Applies to many hardware processes too
 - Full lifecycle / supply chain assurance; etc.
 - Evaluation/control and process approaches remain
- ❑ Cloud computing: new risks, new opportunities
 - Many old concepts don't fit well
 - Lots of new things that can be attacked or go wrong
 - Outweighed (?) by very high quality, audited security processes possible in large datacenters

Subject matter...

- ❑ Smart Grid security presents interesting but manageable challenges
- ❑ Tremendous new interest in digital identity and privacy technologies; multiple causes
 - Industry alignment on interoperable claims-based technologies (WS-Trust, SAML 2.0)
 - Lightweight, convenient (but limited) Internet technologies (OpenID) and beyond (InfoCards)
 - Clouds require claims-based and/or federation
 - Can *enhance* privacy through restricted claims

Trends: Fora

- ❑ Formal processes remain strong with some growth
 - INCITS (ANSI-accredited) CS1; ISO/IEC JTC1 SC27
 - ITU-T
- ❑ Consortia and informal groups as busy as ever
 - OASIS, W3C, IEEE, IETF
- ❑ Perhaps biggest growth area is ultra-informal web groups, micro-standards (“two guys and a wiki”)
 - OpenID, OAuth, etc.
 - *E.g.*, Open Web Foundation enables new capabilities

An anecdote

- ❑ Recent conference call with the financial services (credit card) arm of a larger U.S.-based retailer
- ❑ Assessing business value of standards engagement on four fronts:
 - INICTS CS1
 - Security SIG(s) within FinServ industry
 - Digital ID work in OpenID, InfoCard, and OASIS
 - Threat reporting and response organizations
- ❑ Probably a good evaluation for many companies



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Thank you!

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