



2008 Open Forum for
Standards Developers



**United
Technologies**

Chemical Regulations

Reducing Duplication and Proliferation
in Standards Development

Presented by

Dr. Richard J. Forselius

Manager, Records and Standards

Engineering and Technology

Hamilton Sundstrand Corp., a United Technologies Company

Open Forum for Standards Developers

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Issues Addressed

- ❑ Industry observations
- ❑ The real world of standards development
- ❑ Standardization today
- ❑ “Supply Chain” issues
- ❑ Pros and cons of a multiple solution approach
- ❑ Thoughts and questions about “New Rules” for SDOs
- ❑ Case Study: Chemical Regulations
- ❑ Industry’s “Vision of the Future”

Industry Observations

- ❑ The proliferation and competition of standards development, especially in the areas of:
 - Converging technologies (IT and Telecommunication)
 - New technologies like Nano (ASTM, ISO, IEC, IEEE...)
 - Environmental regulations (RoHS, WEEE, REACH...)
 - Endless new Management System Standards

- ❑ The impact of societal issues on standardization
 - Social responsibility
 - Environment and global warming
 - Increase of world population

- ❑ The impact of new stakeholder participation in standardization
 - Consumer Organizations, NGOs, Academia, etc.

The Real World of Standards Development

- ❑ Standards are needed mainly by industry
- ❑ Standards are developed *by* industry *for* industry
- ❑ SDOs and fora provide the venue to develop standards

Standardization Today

- ❑ Multiple competing standardization on the same technical issue
 - Company experts must attend different venues
 - Different standards cause smaller markets
 - Different standards cause different test processes
 - Market access requires conformity with multiple standards

- ❑ Multiple stakeholder participation
 - Alignment of company interests with societal interests
 - Cost sharing of stakeholder in standardization expenses

“Supply Chain” Issues

SMEs have to respond to all of these different standards



Pros and Cons of a Multiple Solution Approach

□ Pros

- Aligns with concepts of the *United States Standards Strategy*
- Enhances industry sector specific approach
- Fosters innovations and competitions
- Allows for more industry leverage in standard approvals

□ Cons

- Is contrary to the industry mantra of “one standard,” “one test” and “universal market acceptance”
- Stresses company resources in participating in multiple standardization
 - fewer experts per committee
 - less quality
 - even more competing standards
- Causes problems in global market acceptance

Thoughts and Questions About “New Rules” for SDOs

- ❑ Recommend a more efficient approach since a company will not send an expert to multiple SDO development meetings to do the same thing or sometimes worse, develop opposing standards.
- ❑ In the map of the universe of standards, there are areas of work where SDO working groups are made up of nominally the same people as in other SDOs, working in parallel (or in series) on highly similar documents.
 - Industry has consistently said that it would prefer a single document under a single effort.
- ❑ Existing MoUs and Liaison agreements between SDOs developing standards addressing the same topics have proven largely to be very ineffective. None of these approaches have resulted in a reduction of the competing efforts, in essence one SDO yielding to another SDO.

Thoughts and Questions about “New Rules” for SDOs (continued)

- ❑ Is the status quo acceptable to industry stakeholders?
- ❑ Is it likely that in the foreseeable future, this trend of proliferation, primarily due to the competition of SDOs, will continue and might even get worse?
- ❑ Should New Rules be applied?
 - Rule 1: No new work item proposal should be started by any SDO when such work has already begun in another SDO.
 - Rule 2: Cost of development should be shared by stakeholders other than industry.
- ❑ Would industry support such rules?
- ❑ Would industry negotiate these new rules with the SDOs?



CASE STUDY: CHEMICAL REGULATIONS

2006

NIST Workshop on
Emerging Chemical Issues

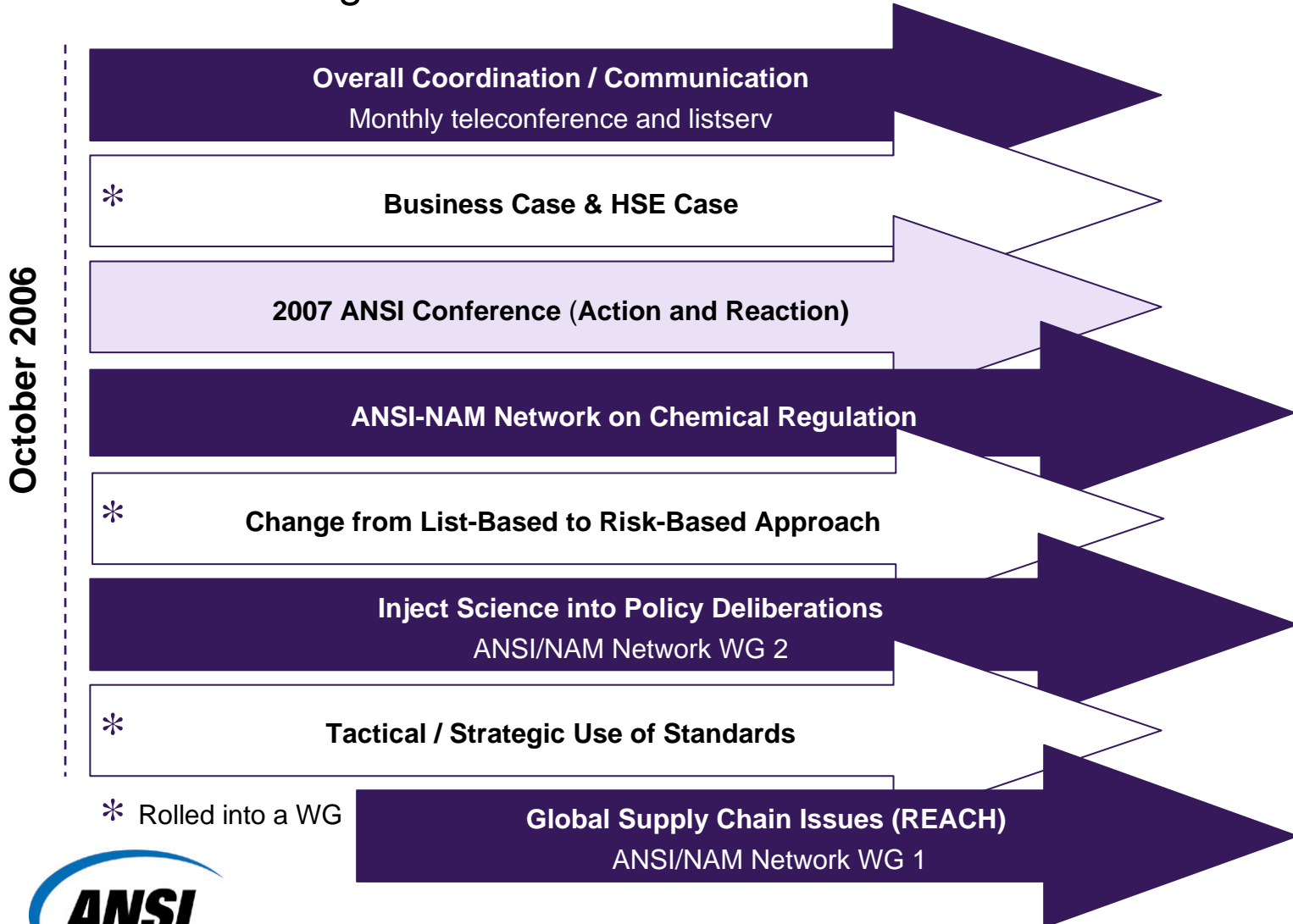
2007

ANSI Conference: *Action and Reaction*
Developing a sustainable approach to
emerging chemical issues

Creation of ANSI/NAM
Network on Chemical Regulation


Emerging Chemical Issues

Actions Evolving from 2006 NIST Summit



ANSI/NAM Network on Chemical Regulation

www.ansi.org/chemicals



WG 1	Global Supply Chain Issues Chairs: Mike Taubitz and Sophia Danenberg
WG 2	Policy Chairs: Jim Cooper and Pat Beattie
WG 3	Standards and Conformity Assessment Chairs: Rich Forselius and Brynn Murphy
WG 4	Consortia Chairs: Tucker Helmes and Paul DeLeo
WG 5	Legal and IP Issues Chairs: Bob Matthews and Herbert Estreicher
WG 6	Safe Use Chairs: Sophia Danenberg and Rich Forselius

Work Group 3: Standards and Conformity Assessment

- ❑ Develop an open, common process that is not industry specific to reach the end goal of global standards
- ❑ Develop guidelines, guidance documents, communication templates and conformity tools as “intermediate steps” along the way to aid in the development of chemical standards
- ❑ Due-diligence: Develop a conformity reporting structure
- ❑ Form a technical task group within this group to identify the risk-based approach for determining the appropriate form of standardized conformity including 1st, 2nd and 3rd party
- ❑ Test methods (for REACH) – EU acceptance of foreign results?
- ❑ Creation of output documents (i.e., communication plan of achievements, workshops, webinars, presentations, guidelines, “how to” documents, etc.)
- ❑ Develop catalog of existing documents/activities related to REACH

Work Group 3: Standards and Conformity Assessment

- **OPEN CALL** for participation and collaboration by SDOs involved with chemicals, materials, substances standards, and those reacting to emerging chemical regulation
 - Monthly “Plenary” teleconferences planned, starting in July
 - Approximately one hour duration – no notes and no minutes

[Register to participate](#)

Kathleen Tuohy

American National Standards Institute

212.642.4928

Industry's "Vision of the Future"

- ❑ One standard, one test, universal market acceptance
- ❑ Some SDOs have adapted new rules of first come first serve
- ❑ Things are moving faster than they seem in the standards world
- ❑ Standards participation is more efficient if duplication is avoided
- ❑ Industry can not continue to support multiple, redundant standards development
- ❑ Industry must speak with a single voice, or,
quoting Mike Taubitz (GM), "What we need is a process"



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For Further Information:

Dr. Richard J. Forselius
Manager, Records & Standards
Engineering & Technology
Hamilton Sundstrand
One Hamilton Road, M/S 1-B-BC33
Windsor Locks, CT 06096-1010

Phone: 860.654.5486
Fax: 860.654.3365
rj.forselius@hs.utc.com

DRAFT Version 1.1
Existing Documents/
Activities Related to REACH