



**Standards Wars:
Myth or Reality?**



Specifiers of Standards Energy Efficient Facilities

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Standards and Superior Energy Performance

- Goal: Certify industrial facilities for energy efficiency
 - Complex highly diverse operations that change frequently
 - Change focus of efforts from individual projects to continual improvement in energy performance
 - Provide a path into the program for most US industrial facilities
 - Provide third party validation of resulting energy performance improvements, with consideration to future market value
- Superior Energy Performance, elements
 - Standardized energy management system
 - Validated energy performance
 - Trained workforce- technical assistance, auditors & verifiers
- Standards provide
 - consistency and transparency to stakeholders for complex national program
 - Support for planned transition from government to market based program
- Now expanding to commercial buildings



Standards Framework

- Standardized energy management system
 - ANSI MSE 2000:2008
 - ISO 50001- Energy management systems standard
- Validated energy performance
 - [ANSI] MSE 50021- Additional Superior Energy Performance Requirements
 - [ANSI]MSE 50028 - Verification bodies [ISO 17021]
- Trained workforce- technical assistance, auditors & verifiers
 - Based on ISO/IEC/ANSI 17024
 - Certified Practitioner series
 - SEP Auditor, SEP Performance Verifier
- ANSI ASME System Energy Assessment Standards (4)





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Specifiers of Standards

**William “Bill” Dupler
International Code Council
Vice President
Building Official
County of Chesterfield, VA**



Code Wars

- Reality of the Codes Landscape pre 2000
- Regulated Community's Efforts
- Trends & Demands for Uniformity



Benefits of a Single Set of Codes

- Provides Commonality
- Establishes Common Framework
- Creates Reciprocity
- Reduces Cost Burden



Standards Relation to Codes

- Codes Adopt Standards
- Impact of Adoption of Standards
- Supplement Marketplace Forces
- Adoption of Similar Standards



Benefits of Consolidating Codes

- Resources Focused on Commonalities
- Reduces Confusion in Marketplace
- Common Language across Geo-Political Borders
- Allows Stronger Partnerships with Standards Organizations





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Specifiers of Standards

Scott Colburn

**Deputy Director, Center for Devices and
Radiological Health Standards Program,
Food and Drug Administration**



FDA CDRH (Devices) Standards Program

- 1997 Food and Drug Administration Modernization Act
 - Requires the “recognition” of standards to help expedite premarket review and the allowance for a “declaration of conformity”
- FDA/CDRH Standards Utilization, Prioritization, Development:
 - Agency/Center speaks from a single voice to achieve:
 - Transparency, Consensus and Process for use of standards
- Standards Improving Existing and Emerging technology
 - Infusion Pumps, Surgical Implants, Tissue Engineering
 - Small Bore Connectors; Continuous Glucose Monitoring
 - Nanotechnology, Health IT, GMDN (Global Medical Device Nomenclature).
- CDRH Standards - www.fda.gov/cdrh/stdsprog.html





Standards Wars

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Specifiers of Standards

Mary McKiel
U.S. Environmental Protection
Agency