ANSI Joint Member Forum
Making Smart Cities Smarter with Standards and Compliance

Panel Session 2:
Smart Cities Standards Are Underway

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Arlington, VA

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Representing IEC SG3

Introduction

Challenge: 500+ standards, 90+ components, 500+ Use cases

Need: Intuitive, interactive tool for navigating standards

Solution:

1. Apply Systems Engineering methods

2. Map standards to Smart Grid reference architecture
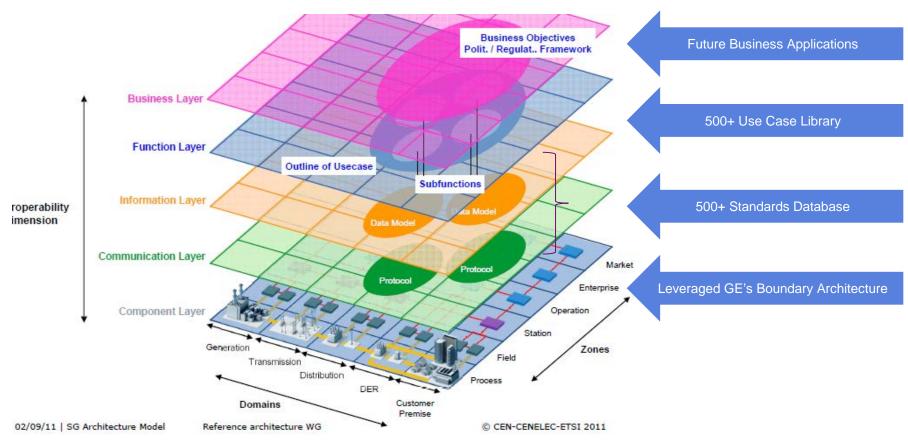
3. Wrap in an extensible, web-based GUI

Initiated by IEC SG3, liaise with NIST

imagination at work
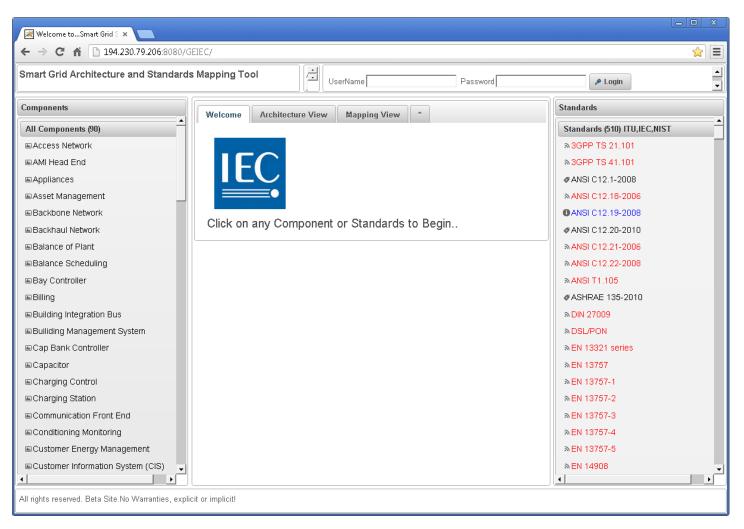
Focus: Systems Interoperability

CENELEC M/490 Model

Future Business Applications

500+ Use Case Library

500+ Standards Database

Leveraged GE's Boundary Architecture

imagination at work

IEC SG3
Standards Mapping Tool

imagination at work

Home Page
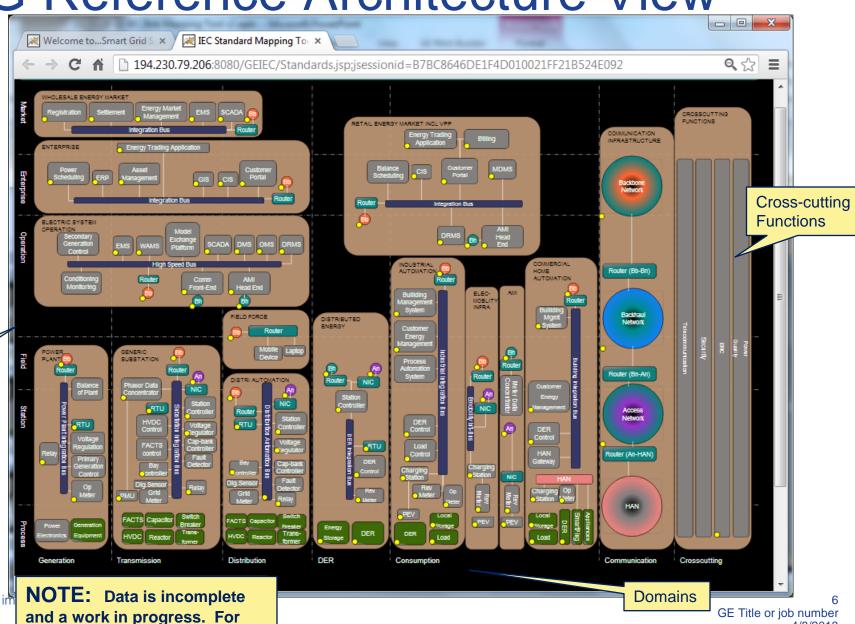
SG Reference Architecture View
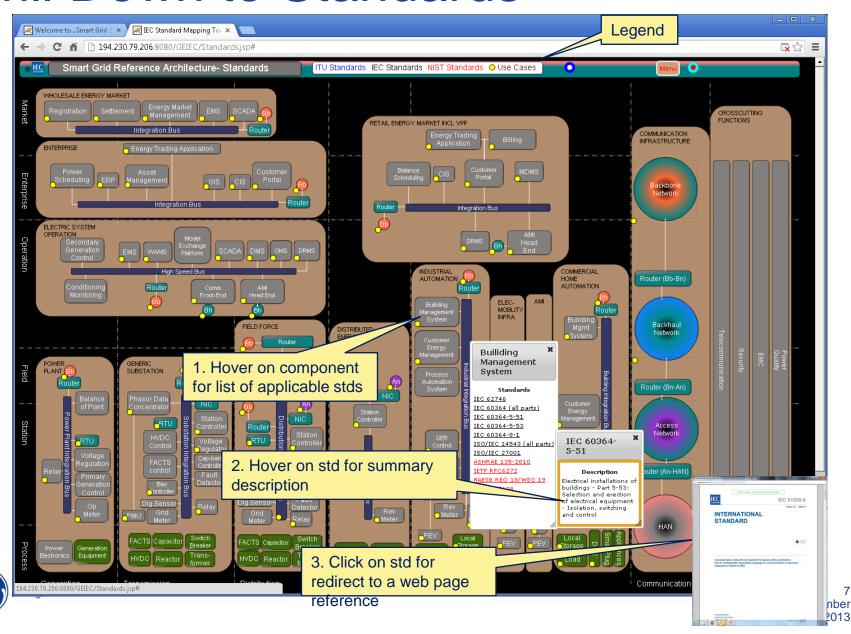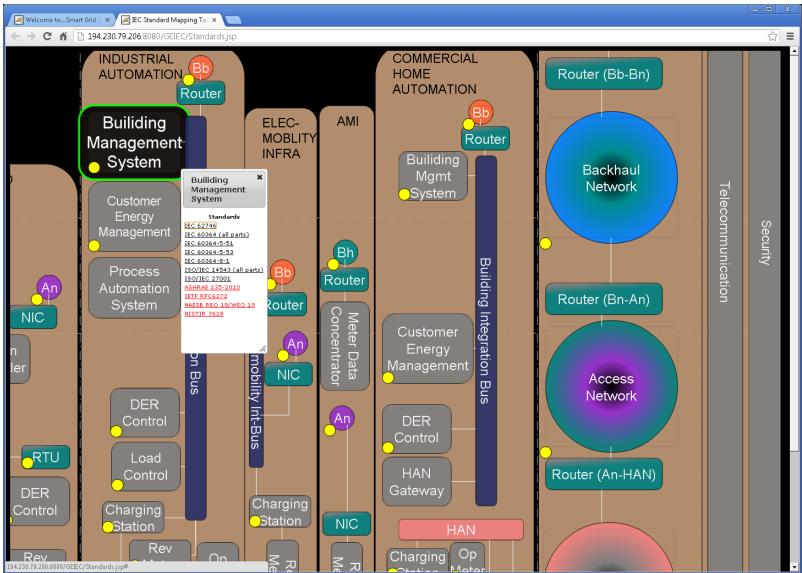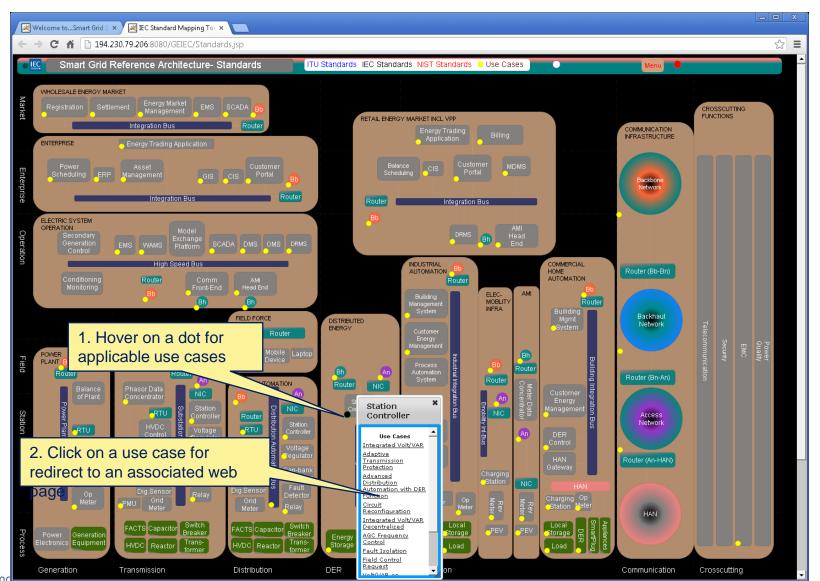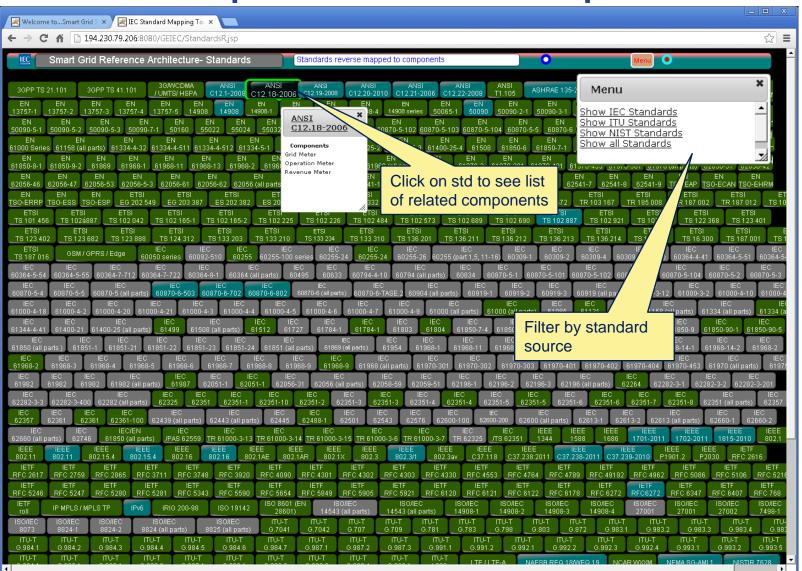
Drill Down to Standards

Zoom in

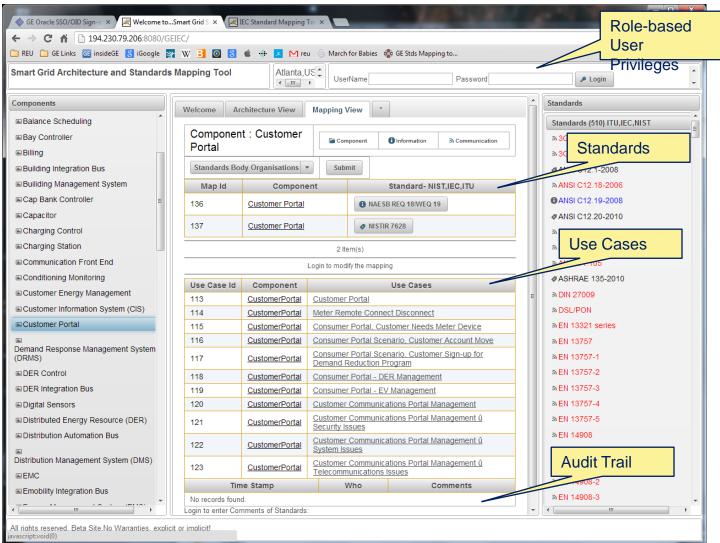# Drill down to Use Cases

Reverse Map: Stds to Components

Mapping Detail View

Next Steps for 2013

Preliminary release to IEC – early 2013Q1
   Currently being reviewed by SME's

Beta release to IEC - late 2013Q2

On-going:
   Standards mapping by SMEs
   Technical support

For additional information, contact

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Thank You

GE Digital Energy

Grid Automation

- Protection & Control
- Industrial Communication
- Smart Metering
- Monitoring & Diagnostic

Power Delivery

- Transformer & Capacitors
- XD HV Primary Equipment
- Power Sensing
- Series compensation
- Synchronous condenser

Software Solutions

- Asset Management
- Asset Control
- Solution as a service
- Analytics

Projects & System Solutions COE

- Cross P&L system solutions & services
- Enhancing multi-P&L system capabilities

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