



I&C DAC Inspection Strategies

Overview

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DAC Inspection Objective –

**Confirmation that the Design
detail (information) meets the
established Acceptance
Criteria**

--Not a licensing review!



Importance of a DAC Strategy

- **Focuses on the inspection objective**
- **Provides basis and structure for new type of inspection activities**
- **Helps align DAC inspection resources**

Note- currently no mechanism for DAC inspection



DAC Strategies

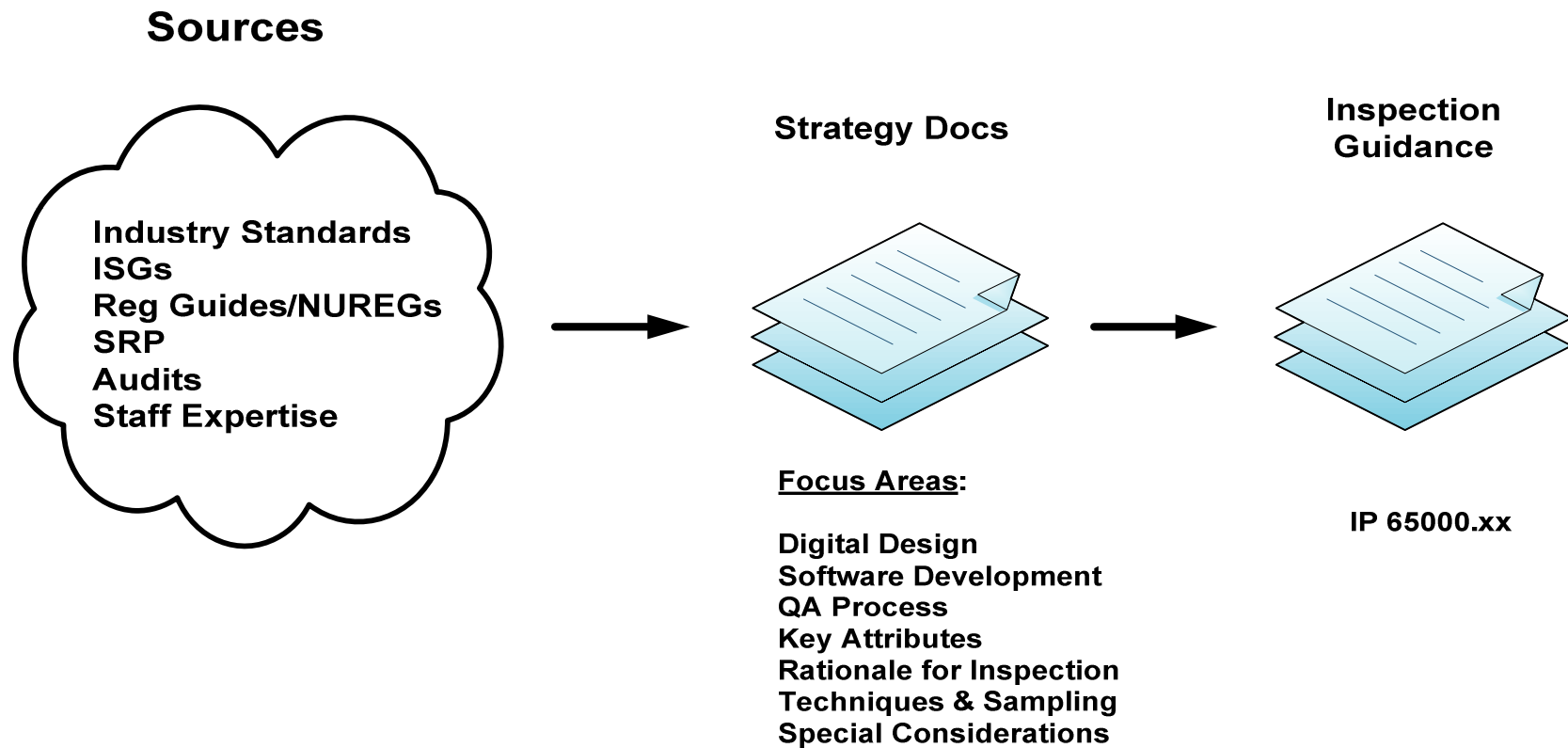
- **Working Group commenced strategy development in Dec 09**
- **1 strategy document for piping DAC**
- **2 strategies for HFE DAC (ABWR and AP1000)**
- **7 strategies for I&C DAC (priority for STP)**



I&C DAC Strategies

- Generally, strategies mirror the software development lifecycle
 - Planning
 - Requirements
 - Design & Implementation
 - Integration
 - Validation & Testing
 - Installation
 - Miscellaneous (STP-specific)

Concept (Digital I&C DAC)





I&C DAC Inspection Scope

- **Lifecycle Phase-oriented for each digital platform / application project**
- **Sampling of “attributes” within development Phases**
- **Transition between Phases (inspection when all activities within a Phase are complete)**
- **SQA processes across all Phases**



Strategy Doc Content

- **Description**
- **Key Attributes**
- **Rationale for Inspection**
- **Inspection Techniques**
- **Special Considerations**
- **Level of Effort**
- **References**



Inspection Procedure

- **65000 Series IP**
- **One (1) consolidated IP for I&C DAC inspection (with attachments)**
- **Used in conjunction with IMCs 2503 (ITAAC Inspection) and 0613 (Inspection Documentation)**



Path Forward

- **Finalize Strategy Documents**
- **Select a “target” DAC for pilot inspection**
- **Develop DAC inspection procedure**
- **Tabletop the pilot process**
- **Execute!**



Questions / Discussion