10th PINC Meeting TG- Atlas Helsinki

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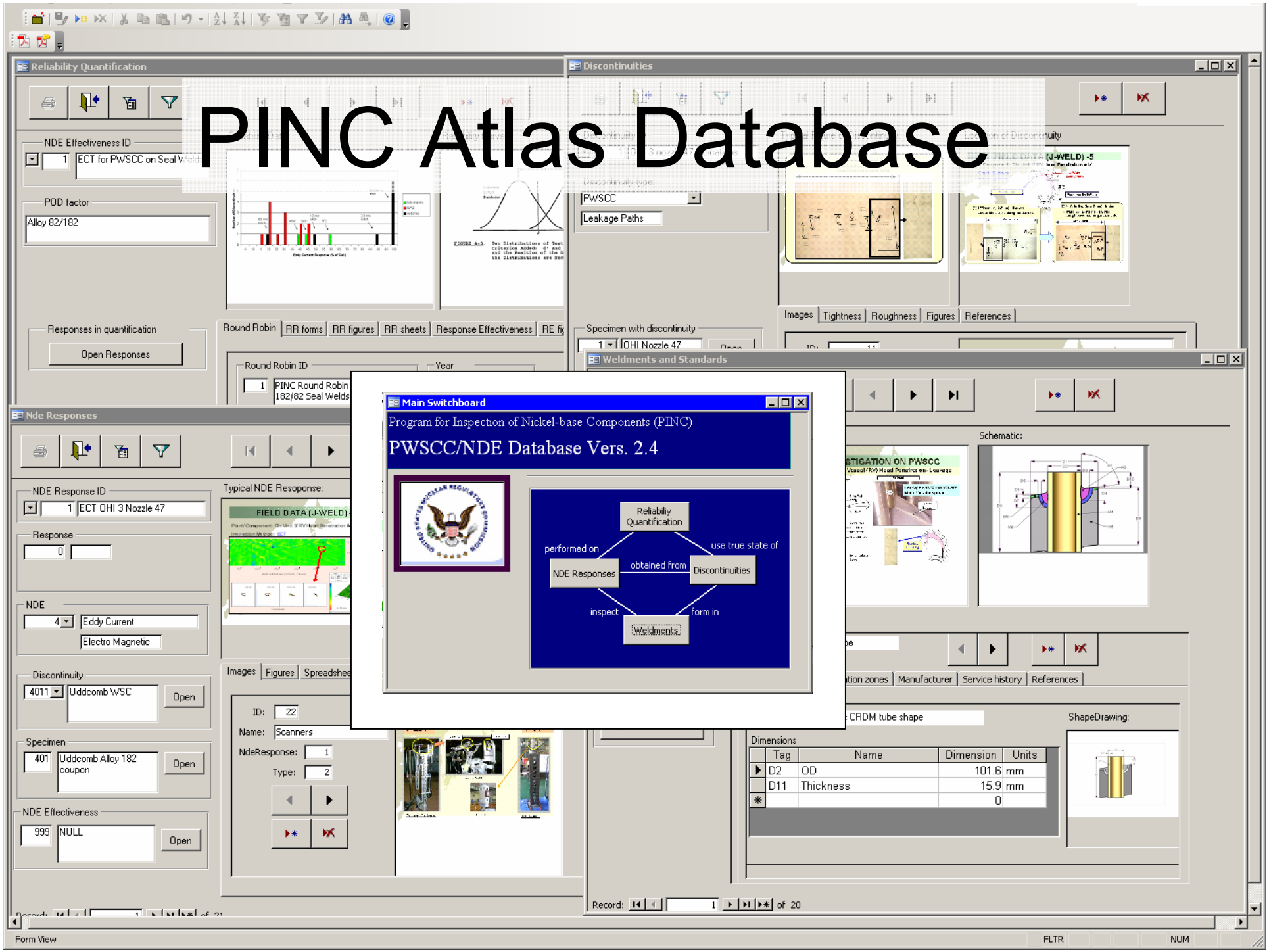
Presentation Outline

- Current Content of Database
- What needs to be added to Atlas Database
- Action Items from Sendai meeting

PINC Atlas Database



PINC Atlas Database - Current

- NDE Data
  - Visual, Fluorescent Penetrant, Eddy Current results from North Anna Unit 2 CRDM #31
  - POD curves from open literature (all welded product forms)
  - Selected PINC Presentations
- Crack Morphology (PWSCC only)
  - Limited Open Literature results
  - Limited DE North Anna Unit 2 CRDM
  - Selected PINC Presentations

PINC Atlas Database – Planned Additions

- Round Robin Test Results
  - DMW and BMI inspection results
  - DE crack morphology data as directed by DAG
- Additional North Anna 2 data CRDM DE results
  - Additional 13 crack indications in Nozzle 31 expected Spring 2008
  - EPRI Information on nozzle 54
- Additional Information Promised by PINC participants
  - VTT report received but not yet entered
  - Swedish morphology information
  - EPRI reports
  - Japanese DE results from Ohi Unit 3
  - Others?

PINC Atlas Database – Proposed Modifications

- Improved image storage and access
  - New software allows factor of 10 reduction of file size
- Faster access method
  - Software and algorithm upgrades
- User's Manual Revision
- Directory of Contents
- Other Suggestions ???

Discussion Points

- Format for NDE data
  - Screen Shots
  - Video data to show dynamic information
  - Develop guidance for eddy current data – ideally would like to be able to compare responses from BMI inspections using consistent calibration
    - May need to revise BMI protocol document based upon discussion
- Develop Guidance for DE data protocol
  - Identify critical parameters

Summary

- Action Items