

9th PINC meeting
June 5-7, 2007
Sendai, Japan

Proposed Schedule of Activities for Data Analysis Group

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Presentation Outline

- ▶ Analysis Categories
- ▶ Membership
- ▶ Review of Analysis Scheme
- ▶ Proposed Schedule

Data Analysis Group Analysis Categories

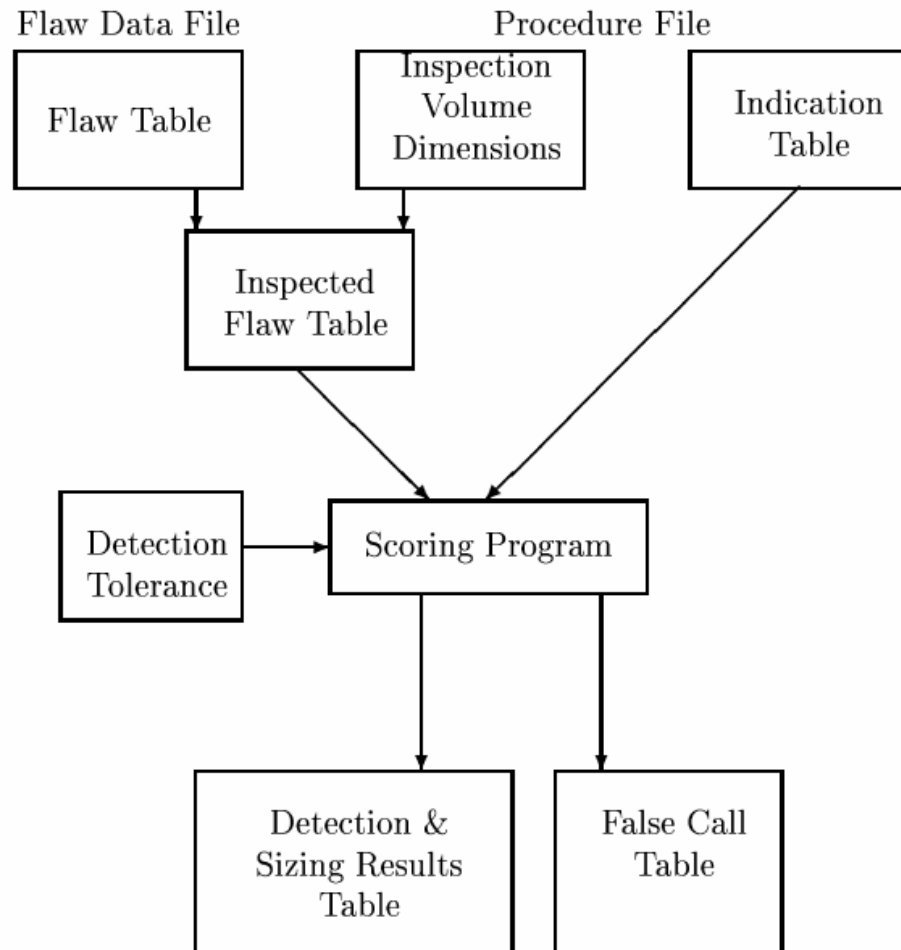
- ▶ The analysis is organized into categories
 - Procedure analysis. How well did each procedure perform?
 - Flaw analysis. How easy or difficult was each flaw to detect and characterize?
 - Regression analysis. Estimate the relationships between inspection performance and important variables, such as flaw size.

Data Analysis Group Membership

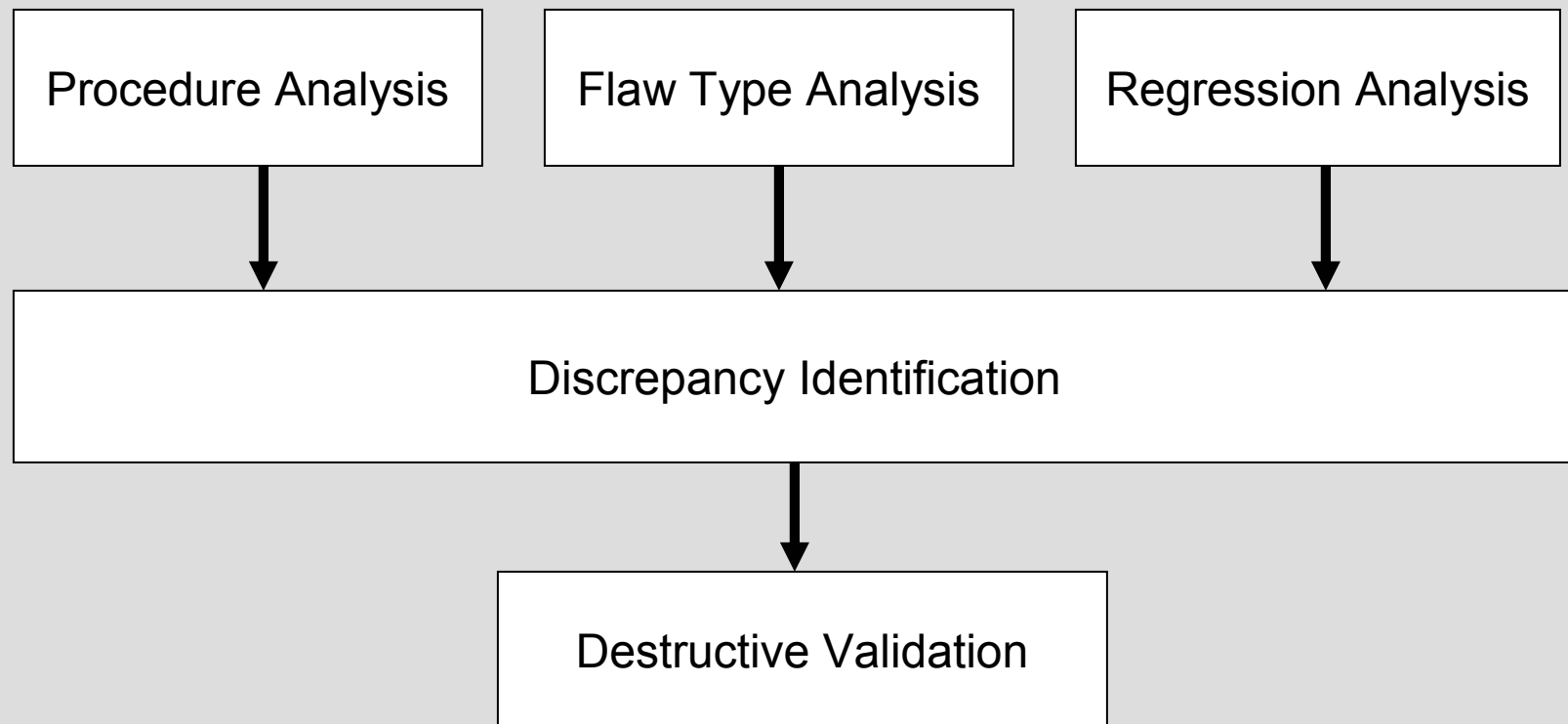
- ▶ JAPEIC: Ichiro Komura, others?
- ▶ SKi/SQC: Peter Merck, Tommy Zetterwall
- ▶ KINS: Kyungcho Kim, others?
- ▶ EPRI: Jack Spanner, Brian Rassler
- ▶ PNNL: George Schuster, Patrick Heasler
- ▶ VTT: Pentti Kauppinen
- ▶ Others?
- ▶ Some may be temporary members or information resources

DAG-01 Analysis Scheme Scoring Inspection Results

Figure 2: Flow Chart of Scoring Procedure



Analysis Scheme Flow Chart of Data Analysis



DAG-01 Analysis Scheme Data Validation

- ▶ Enter Inspection Data
- ▶ Plot indications on test block drawings
- ▶ Send plots and tables to Inspectors/Invigilators
- ▶ Identify and correct errors

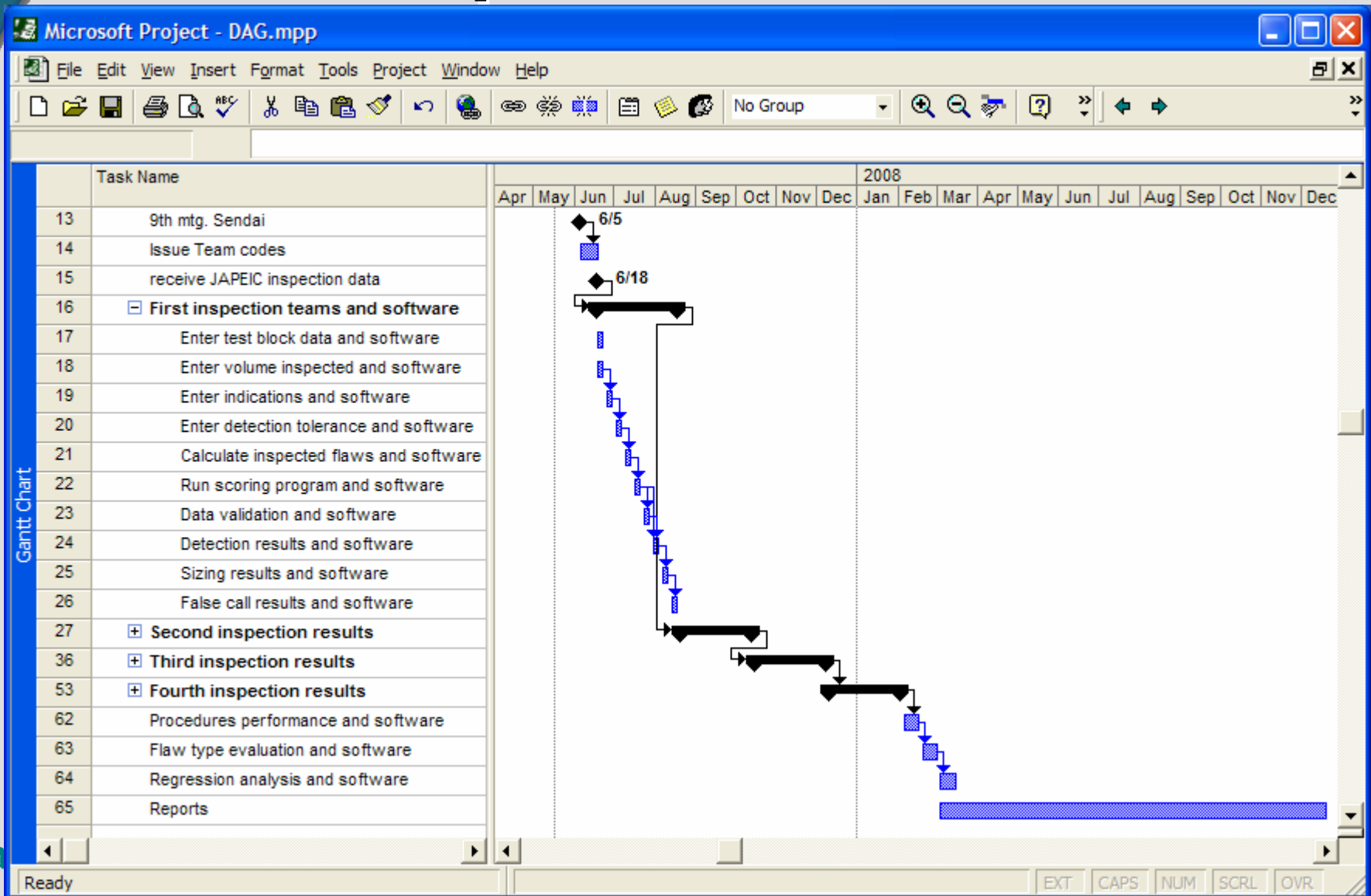
DAG-01 Analysis Scheme Analysis Methods and Statistics

- ▶ Inspection performance statistics
 - POD: probability of detection
 - POR: probability of rejection
 - FCR: false call rate
 - SE: sizing error
 - LE: location error

DAG-01 Analysis Scheme Analysis Process

- ▶ Once all RRT data are in database decisions will be made for what needs to be destructively characterized
- ▶ Oversee destructive testing
- ▶ Finalize true state data
- ▶ Conduct full analysis
- ▶ Contribute to reports

Data Analysis Group Proposed Schedule



Data Analysis Group Summary

- ▶ 3 analysis categories: procedure, flaw, and regression
- ▶ Membership was discussed
- ▶ Analysis scheme was reviewed (available in PINC report: DAG-01)
- ▶ Proposed schedule is based on groupings of inspection teams.

Data Analysis Group Next Steps (June, 2007)

- ▶ Issue teams codes
- ▶ First team group sends inspection results
- ▶ Procedure analysis starts