Integrated System Diagnostics INCORPORATED

Taking Charge of Your CMMI® Implementation Through Automation

Common Data Common Tool

- Before the Appraisal (Implementation)
  - Establishing a data collection strategy
  - Understanding the data you have and the data you don't have
  - Using PIIDS
  - Tracking Progress
- During the Appraisal (Plan, Prepare, Conduct)
  - Managing the planning process
  - Readiness Review strategy
  - Conducting the appraisal
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Data Collection Strategy

- Agree on a common DIR structure for each selected project
- Provide access to project documents from their respective sources

Options

- By PA, completing each SP
  - Respond to the question
  - Attach the relevant documents
- Complete the GP – from GP 2.1 to GP 2.10, GP 3.1 & GP 3.2
  - For each GP respond to the question covering all PAs
  - Attach the relevant documents

Recommended Approach

- By PA, completing each SP and GP
  - Respond to the question
  - Attach the relevant documents
  - Response to the GP will be built up gradually as you progress from one PA to the next

- Enter all the documents from the Document List
- By PA, complete each SP and GP

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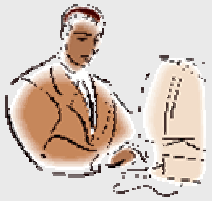
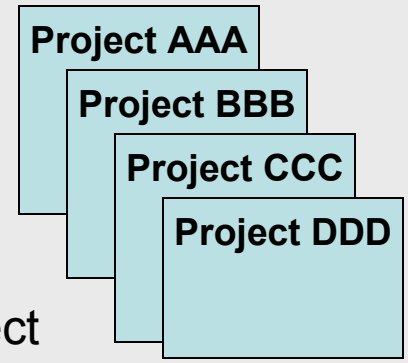
Process Overview



Create **PIID** files
for **each** selected project

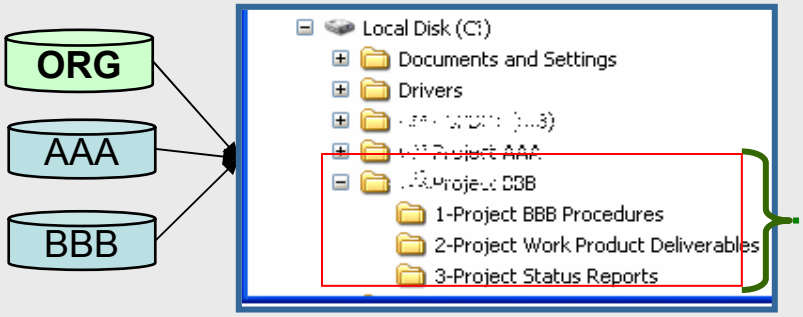


1

Site personnel use Appraisal Wizard to work on their PIID **data records,** and respond to the questions relating to the PAs within scope. Attach the relevant documents to each response.

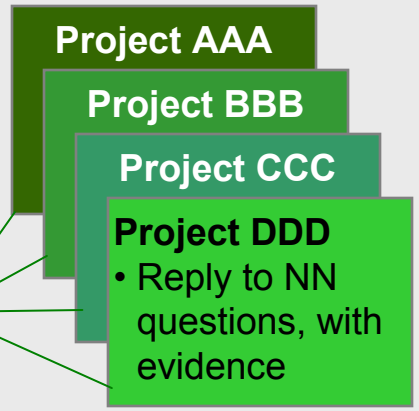
2

Client POC works with project managers to agree on a common approach of collecting the document data into the Appraisal Wizard file



3

Submit the completed project responses with the document attached to each PIID data record for each project.



4

The Lead and/or Team reviews the consolidated project responses in the Appraisal Wizard database to determine the readiness for an appraisal. The appraisal team the data set for the appraisal.

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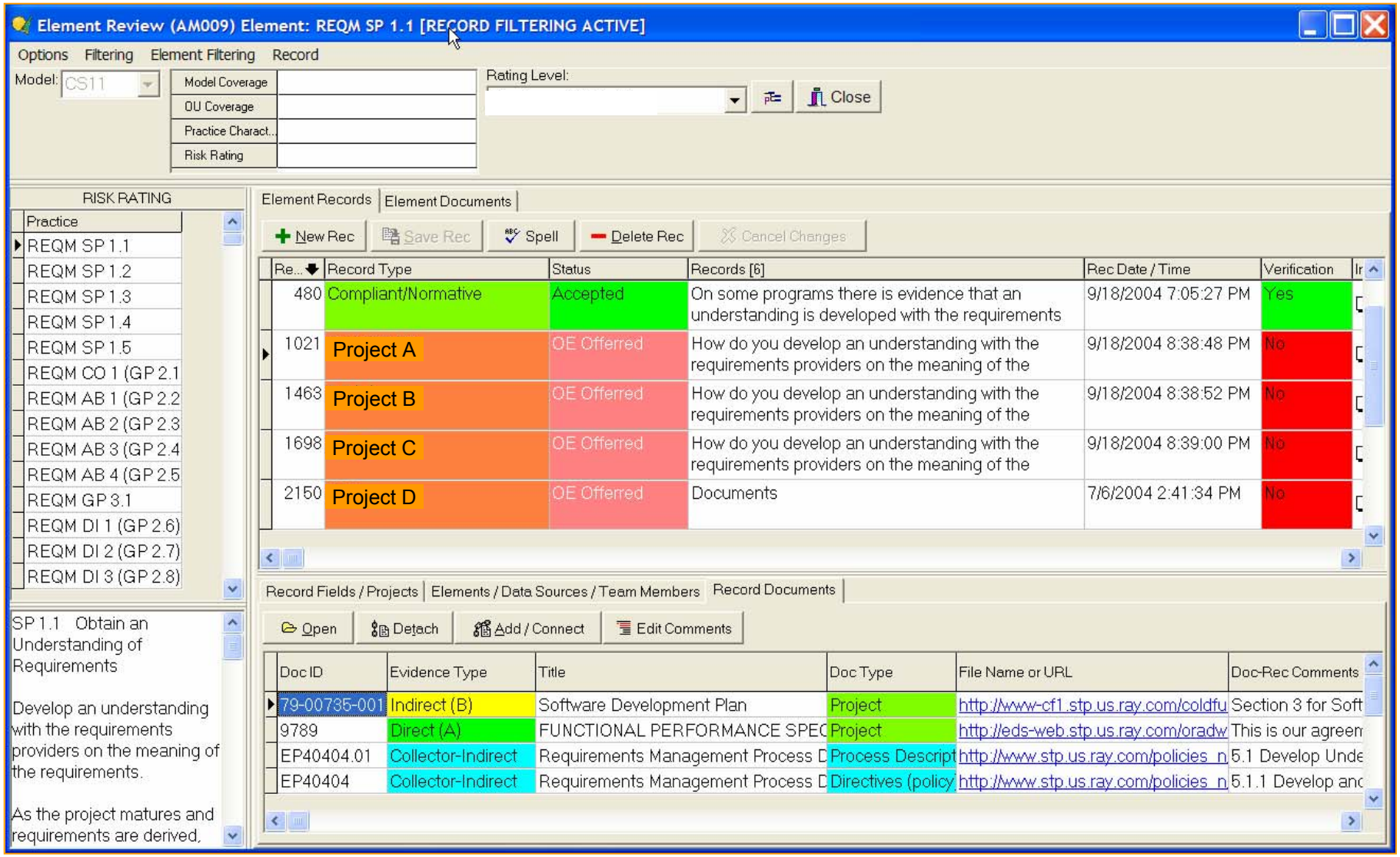
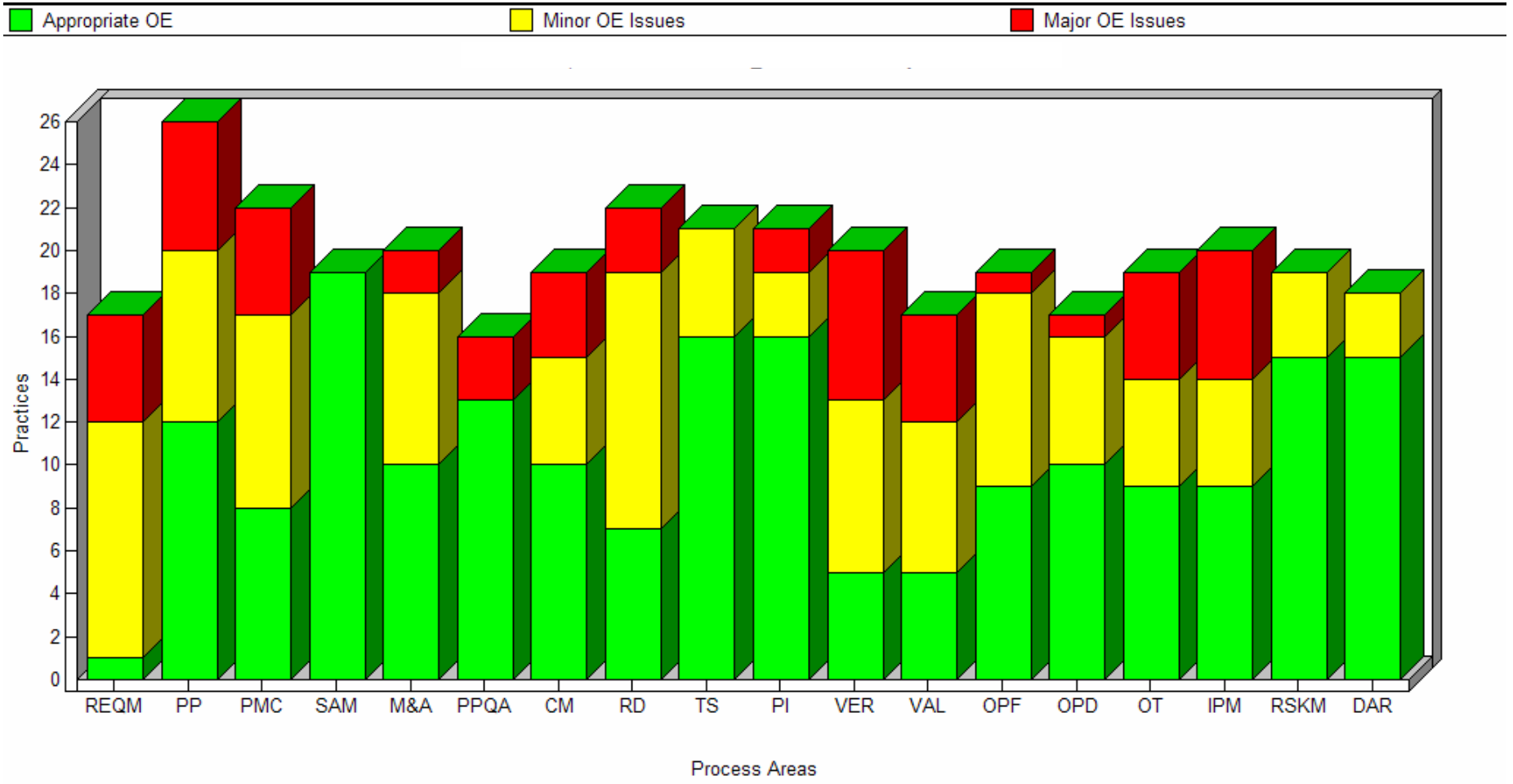
PIID Review


Element Review (AM009) Element: REQM SP 1.1 [RECORD FILTERING ACTIVE]
Options Filtering Element Filtering Record
Model: CS11
Model Coverage
OU Coverage
Practice Charact...
Risk Rating
Rating Level:
Close
RISK RATING
Practice
REQM SP 1.1
REQM SP 1.2
REQM SP 1.3
REQM SP 1.4
REQM SP 1.5
REQM CO 1 (GP 2.1
REQM AB 1 (GP 2.2
REQM AB 2 (GP 2.3
REQM AB 3 (GP 2.4
REQM AB 4 (GP 2.5
REQM GP 3.1
REQM DI 1 (GP 2.6)
REQM DI 2 (GP 2.7)
REQM DI 3 (GP 2.8)
SP 1.1 Obtain an Understanding of Requirements
Develop an understanding with the requirements providers on the meaning of the requirements.
As the project matures and requirements are derived,
Element Records
Element Documents
New Rec
Save Rec
Spell
Delete Rec
Cancel Changes
Re...
Record Type
Status
Records [6]
Rec Date / Time
Verification
480 Compliant/Normative Accepted On some programs there is evidence that an understanding is developed with the requirements 9/18/2004 7:05:27 PM Yes
1021 Project A OE Offerred How do you develop an understanding with the requirements providers on the meaning of the 9/18/2004 8:38:48 PM No
1463 Project B OE Offerred How do you develop an understanding with the requirements providers on the meaning of the 9/18/2004 8:38:52 PM No
1698 Project C OE Offerred How do you develop an understanding with the requirements providers on the meaning of the 9/18/2004 8:39:00 PM No
2150 Project D OE Offerred Documents 7/6/2004 2:41:34 PM No
Record Fields / Projects
Elements / Data Sources / Team Members
Record Documents
Open
Detach
Add / Connect
Edit Comments
Doc ID
Evidence Type
Title
Doc Type
File Name or URL
Doc-Rec Comments
79-00735-001 Indirect (B) Software Development Plan Project http://www-cf1.stp.us.ray.com/coldfu Section 3 for Soft
9789 Direct (A) FUNCTIONAL PERFORMANCE SPEC Project http://eds-web.stp.us.ray.com/oradw This is our agreem
EP40404.01 Collector-Indirect Requirements Management Process D Process Descript http://www.stp.us.ray.com/policies_n 5.1 Develop Unde
EP40404 Collector-Indirect Requirements Management Process D Directives (policy http://www.stp.us.ray.com/policies_n 5.1.1 Develop and

Track Status



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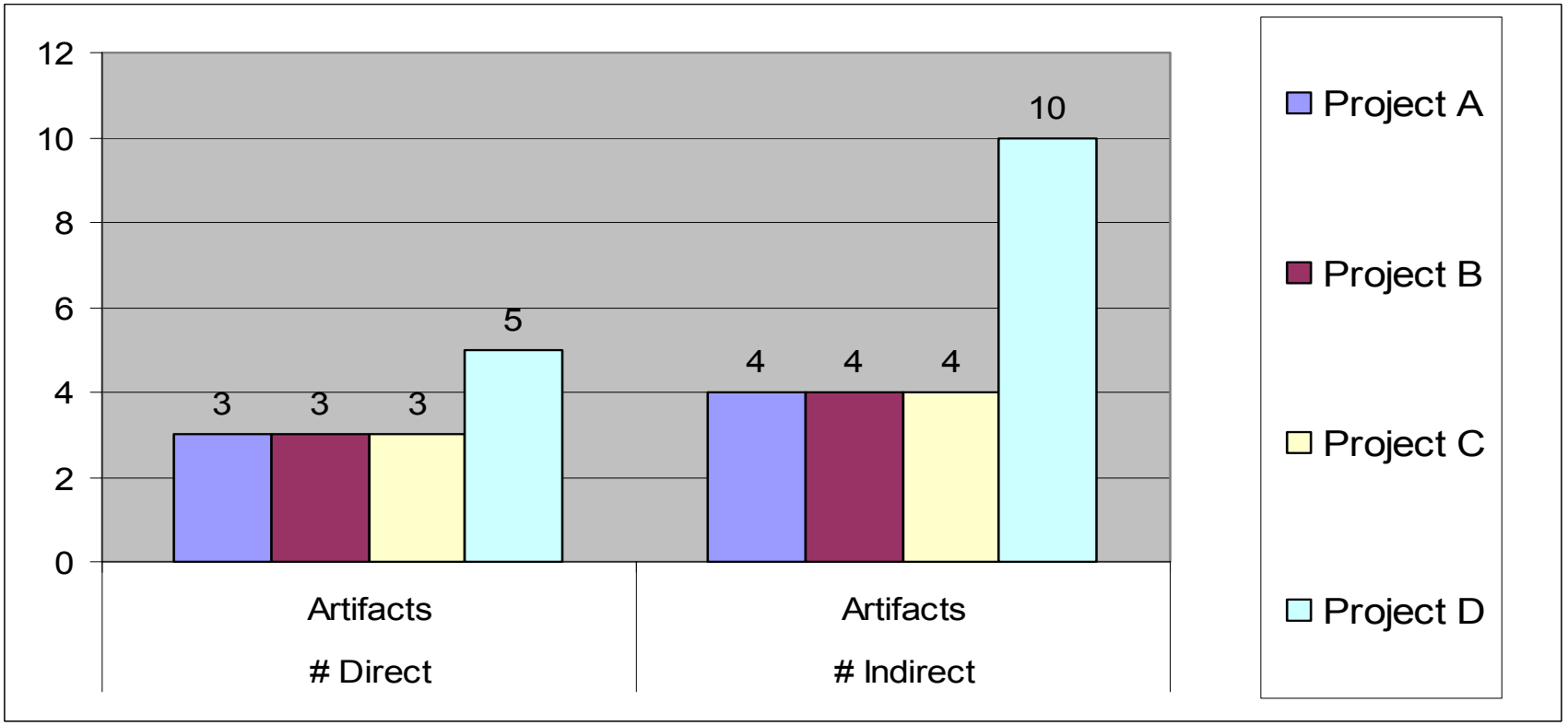
Level of Detail

#	Project Practice	Project	# Direct Artifacts	# Indirect Artifacts
1	REQM SP 1.2	Project A	3	4
2	REQM SP 1.2	Project B	4	1
3	REQM SP 1.2	Project C	3	4
4	REQM SP 1.2	Project D	5	10
5	REQM SP 1.2	Project E	0	0



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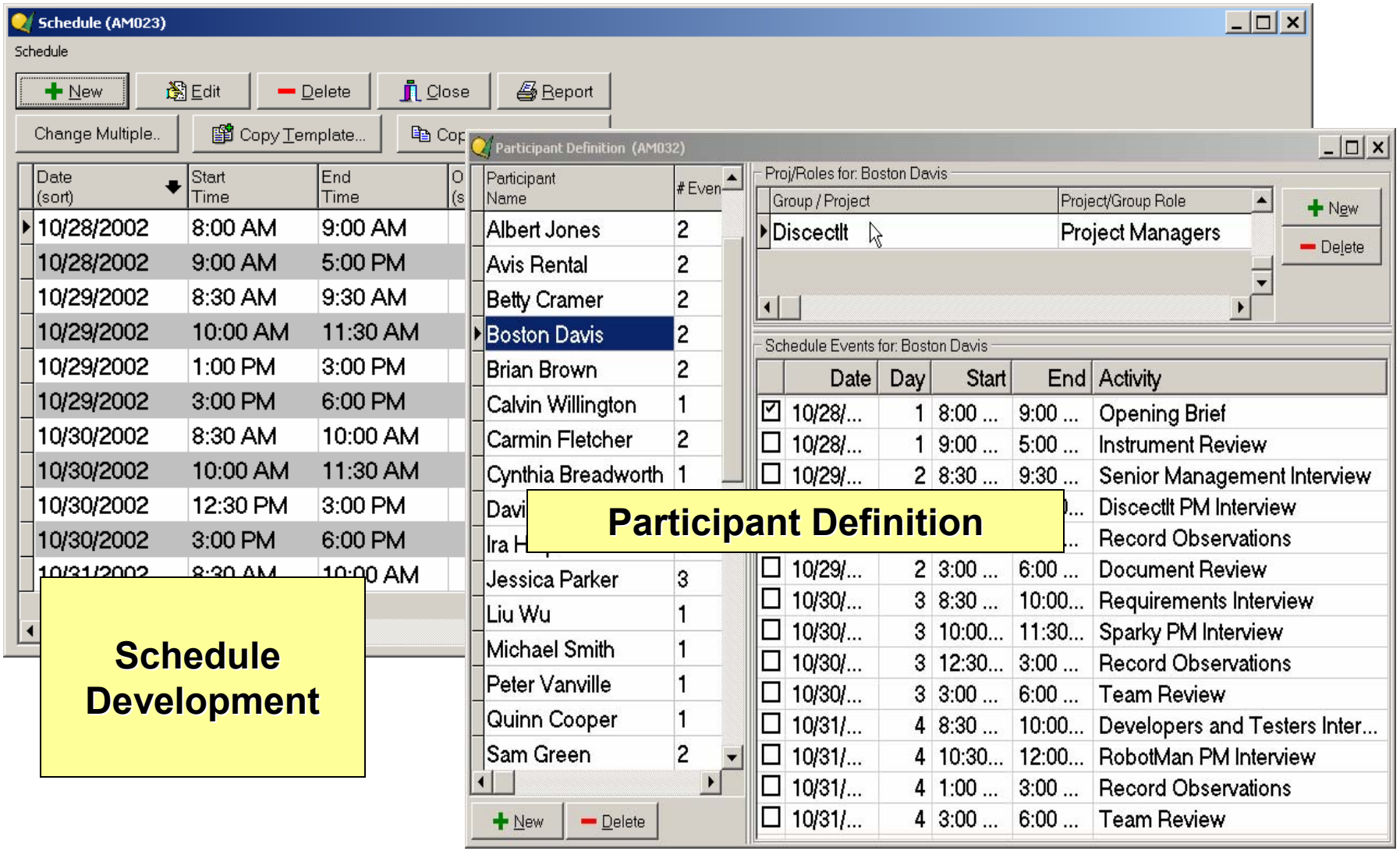
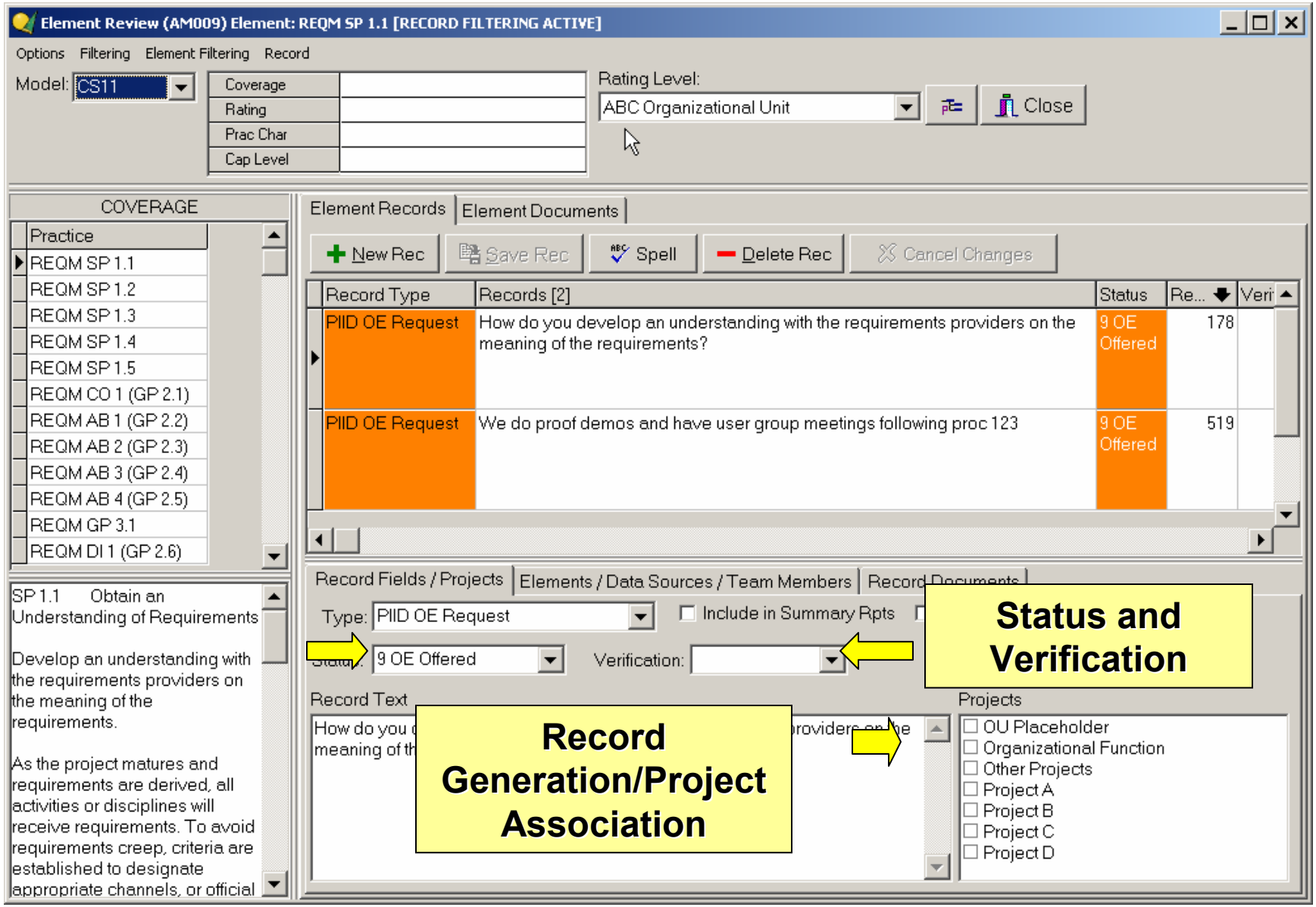
Planning and Preparation



Data Review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Model: CS11
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Cap Level
Rating Level:
ABC Organizational Unit
Close
COVERAGE
Practice
REQM SP 1.1
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REQM GP 3.1
REQM DI 1 (GP 2.6)
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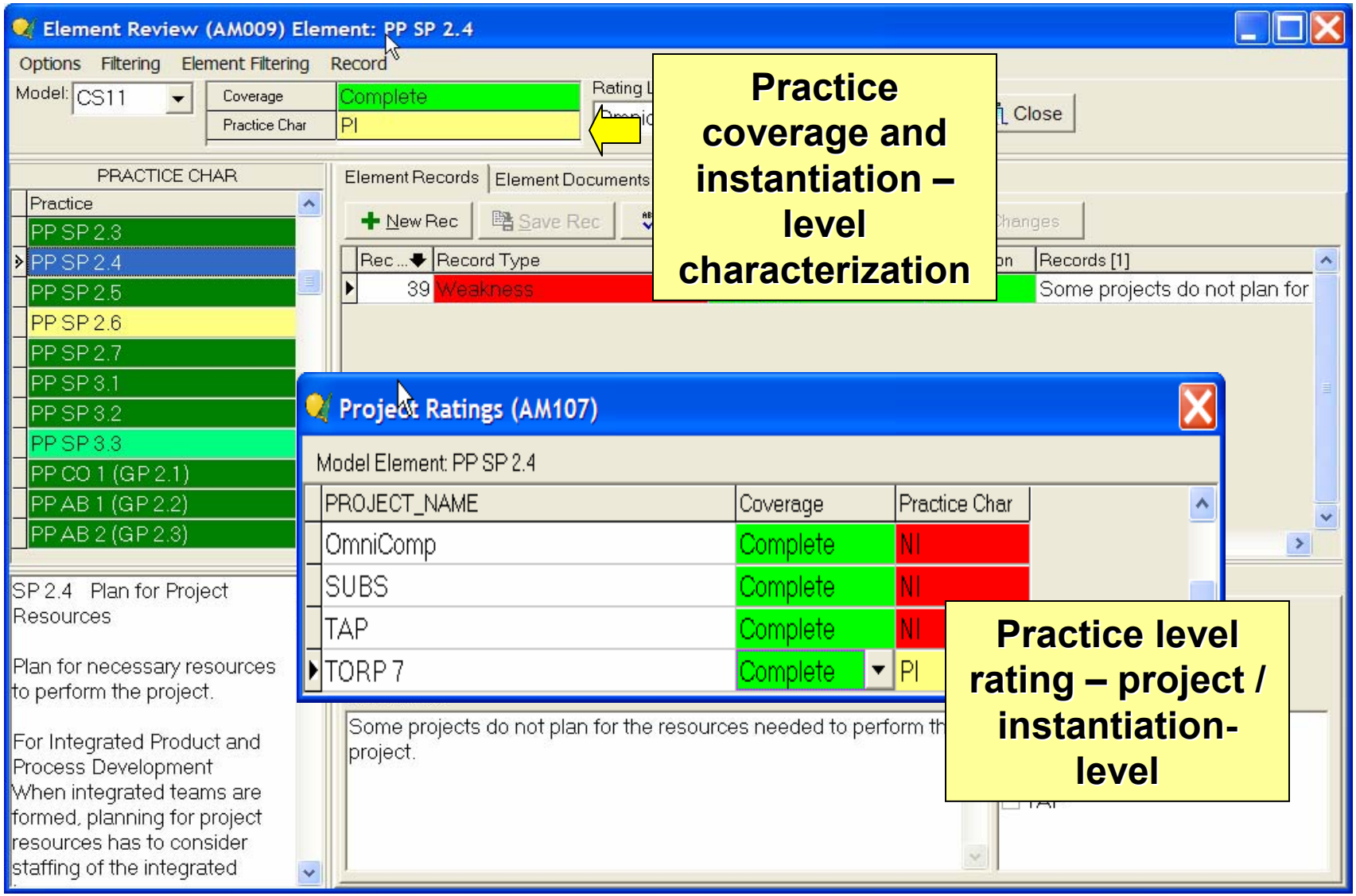
Develop an understanding with the requirements providers on the meaning of the requirements.
As the project matures and requirements are derived, all activities or disciplines will receive requirements. To avoid requirements creep, criteria are established to designate appropriate channels, or official
Element Records
Element Documents
New Rec
Save Rec
Spell
Delete Rec
Cancel Changes
Record Type
Records [2]
Status
Re...
Veri
PIID OE Request
How do you develop an understanding with the requirements providers on the meaning of the requirements?
9 OE Offered
178
PIID OE Request
We do proof demos and have user group meetings following proc 123
9 OE Offered
519
Record Fields / Projects
Elements / Data Sources / Team Members
Record Documents
Type: PIID OE Request
Include in Summary Rpts
Status: 9 OE Offered
Verification:
Record Text
How do you
meaning of th
providers on the
Projects
OU Placeholder
Organizational Function
Other Projects
Project A
Project B
Project C
Project D
Status and Verification
Record Generation/Project Association

Practice Characterization



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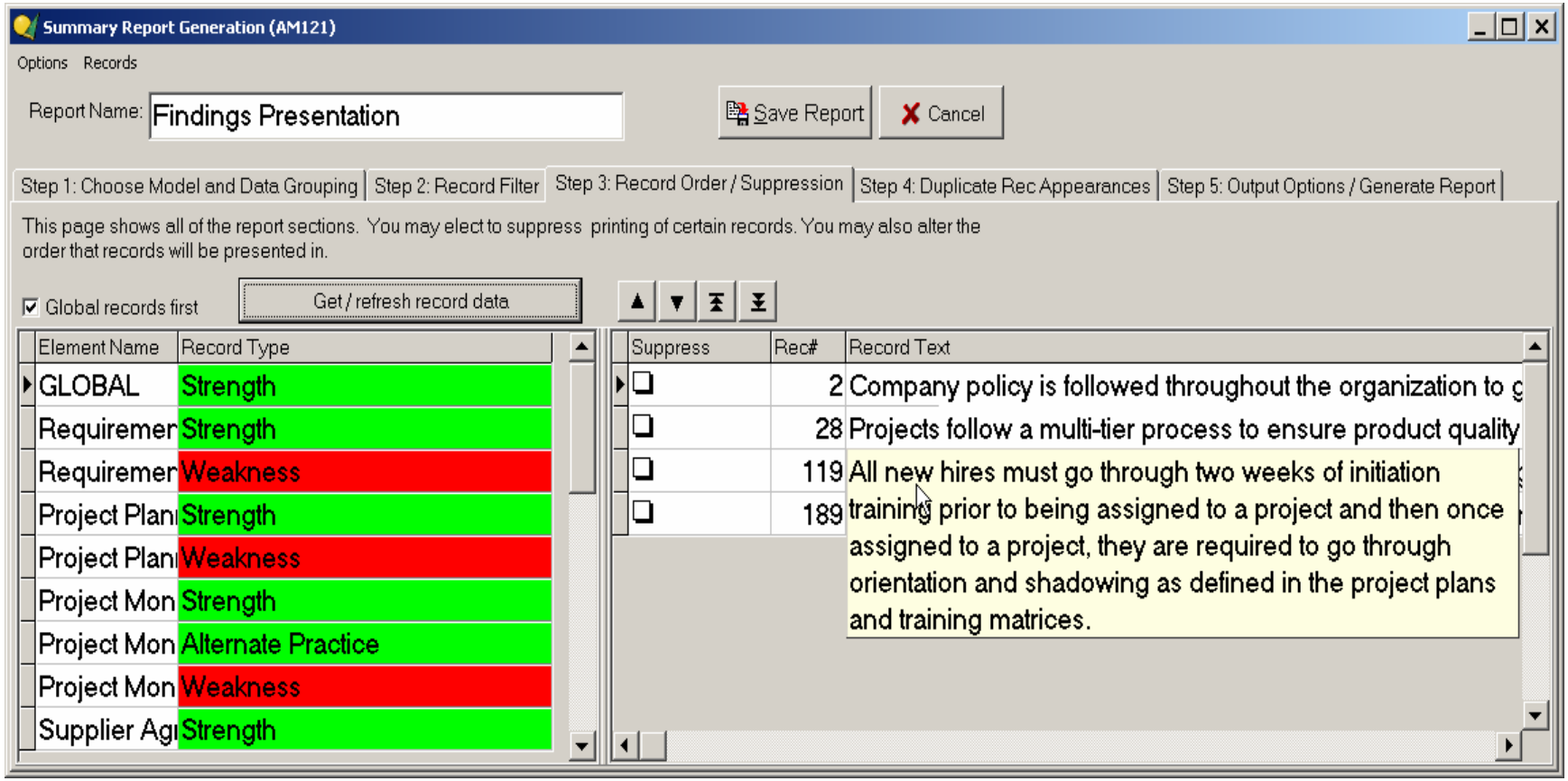
Findings Presentation



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Detailed Reports

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Process Area Worksheet
Master Appraisal Wizard Training (2) - Observations
Process Area: REQM, CMMi V1.1 Staged SE-SW-IPPD-SS

Page 1

Component	Obs ID	Observation	Observation Type	Accuracy	Corrob	Global	Non-CMM	Finding
REQM SP 1.1	89	Projects work to elicit, understand, and balance client needs, expectations, constraints, and interfaces with the client, end user, and other affected team members throughout the life cycle to ensure requirements are clear, and necessary and sufficient technical solutions are the most effective for the needed business solution.	Strength	Accepted	Yes			✓

By Process Area

Practices	Sessions	Sources	Projects
REQM SP 1.2	PM1	JL	DiscectIt
REQM DI 2 (GP 2.7)	PM2	JM	RobotMan
	PM3	PB	Sparky
	PM4	JS	TuxonTurbo
	FTL		
	RAD		
	Instru		

Doc ID / Comments	Title / Comments
Sparky013	Sparky Requirements Elicitation Process
Sparky012	Sparky Requirements Review Meeting Minutes
Robo009	RobotMan Requirements Review Meeting Minutes
Discect004	DiscectIt Requirements Review Meeting Minutes
004-Tuxton	Tuxton - CMMI Instrument
003-RobotMan	RobotMan - CMMI Instrument
002-Sparky	Sparky - CMMI Instrument
001-Discect	Discect - CMMI Instrument

This was the instrument provided to the DiscectIt project manager prior to the assessment.

Component	Obs ID	Observation	Observation Type	Accuracy	Corrob	Global	Non-CMM	Finding
REQM SP 1.1	115	Projects use proof-of-concept, conference room pilots and Joint Application Design (JAD) sessions to identify operational concepts and scenarios, and create design blueprints/high-level architectures to maintain a definition of required functionality and obtain/validate client and team commitment.	Strength	Accepted	Yes			✓

Practices	Sessions	Sources	Projects
REQM SP 1.2	PM1	JL	DiscectIt
	RAD	JM	RobotMan
	Instru	PB	Sparky
	PM2	JS	TuxonTurbo
	PM3		

Doc ID / Comments	Title / Comments
Robo007	RobotMan Proof of Concept Report
Tuxton017	Tuxton Turbo JAD Meeting Minutes
004-Tuxton	Tuxton - CMMI Instrument
003-RobotMan	RobotMan - CMMI Instrument
002-Sparky	Sparky - CMMI Instrument
001-Discect	Discect - CMMI Instrument

This was the instrument provided to the DiscectIt project manager prior to the assessment.

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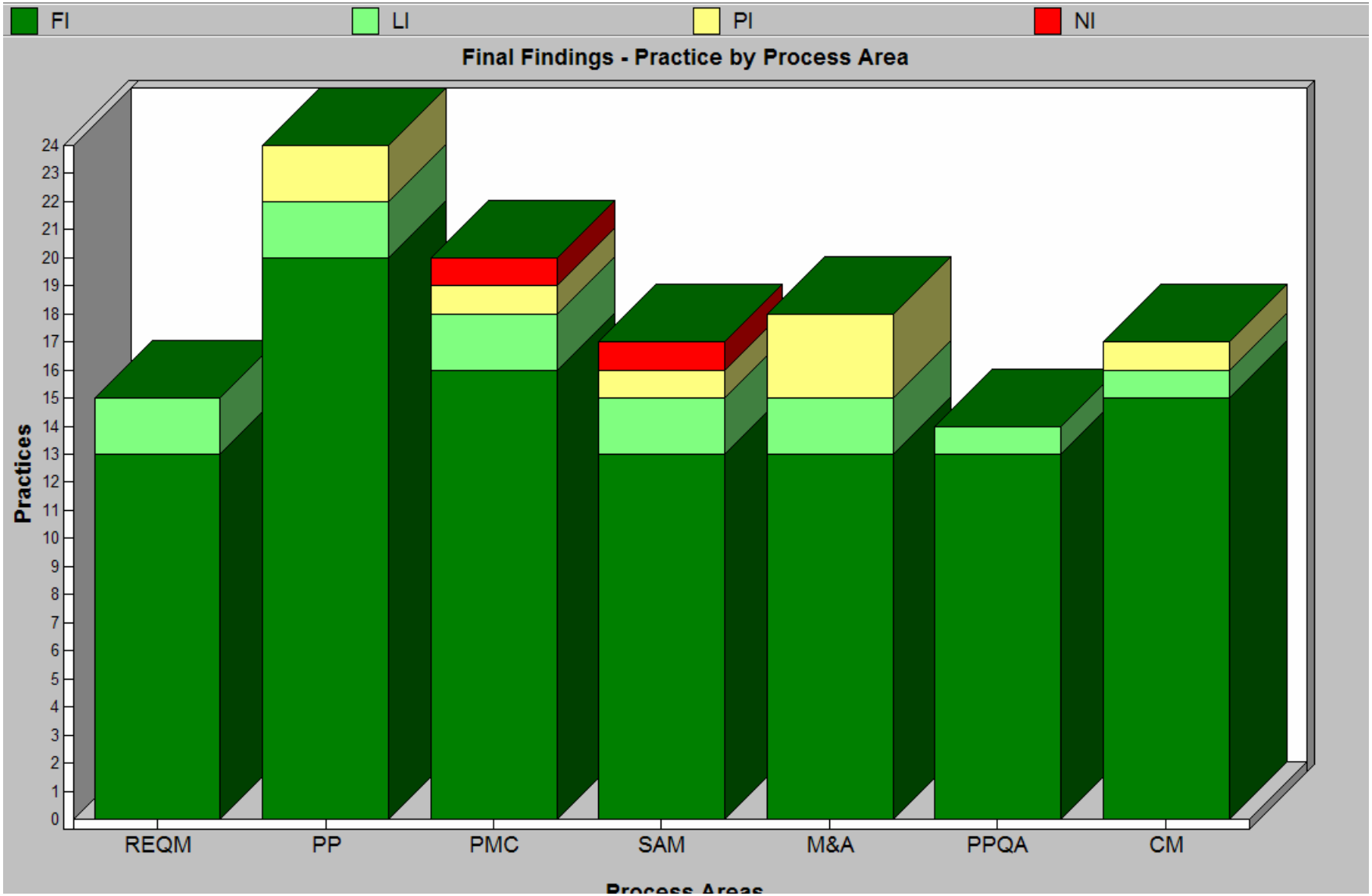
Process Area Results



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