

The Synergistic Nature of PI Objectives

Connecting the Dots Between Goals and Outcomes







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Session Objectives

- How PI Objectives foster consistent, ongoing alignment between Business and IT
- How PI Objectives connect the dots between effective PI Planning preparation, the PI Event, and PI Execution
- How PI Objectives shift focus from output (Feature/Story completion) to outcomes (Value delivery)



Synergy

Origin:

Mid 19th century: from Greek sunergos 'working together', from sun - 'together' + ergon 'work'.

Defined:

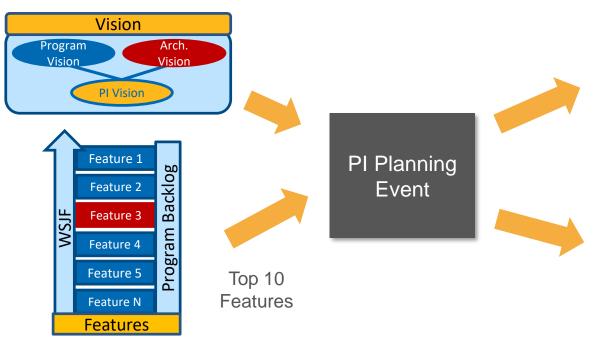
The interaction or cooperation of two or more organizations, substances, or other agents to produce a combined effect greater than the sum of their separate effects.

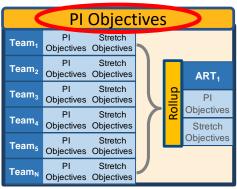
The PI Planning Event is the glue!



2 Inputs: Vision and top 10 Features

2 Outputs: Team and Program PI Objectives and Program Board







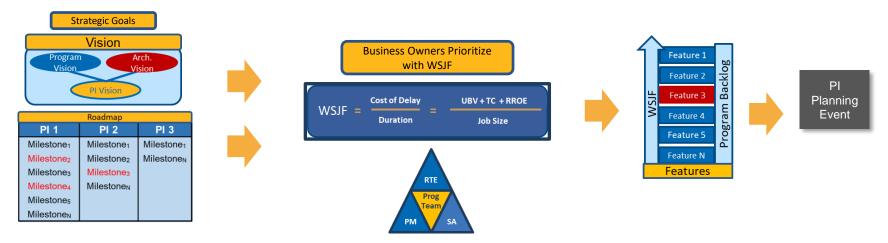


PI Preparation

PI Preparation



- Vision and Roadmap will help shape Business strategic goals
- ▶ Top Features are prioritized ahead of the PI by using WSJF
 - Feature WSJF sessions foster alignment between IT and Business stakeholders that is maintained throughout planning and execution





PI Planning Event

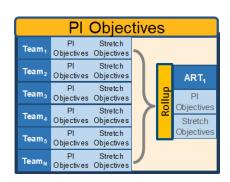
Purpose of PI Planning



Alignment to a common mission!

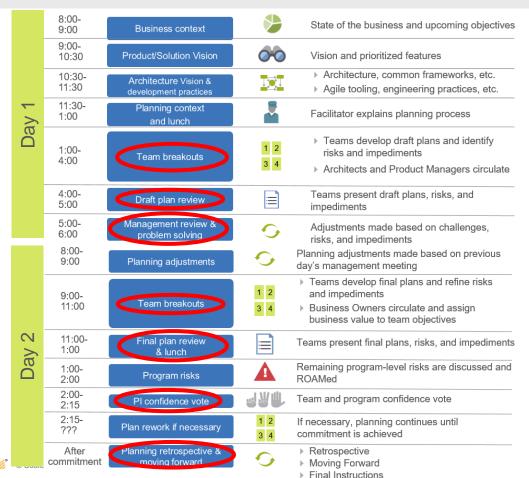
We are here to gain alignment between business owners and ART teams on a common, committed set of:

- Program PI Objectives
- ▶ Team PI Objectives









SAFe© Core Values

- 1. Code Quality
- 2. Program Execution
- 3. Alignment
- 4. Transparency

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Team Breakout #1

 ART Teams work within and between one another to break Features down into Stories



These Stories are summarized into draft PI
 Objectives in the language of the business



Collectively the team PI Objectives form a plan informing the rest of the ART

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Let's Review PI Objectives



Objectives are business summaries of what each team intends to deliver in the upcoming PI.

They often map directly to the Features in the backlog, but not always. For example:

- Aggregation of a set of Features, stated in more concise terms
- A Milestone, such as a trade show
- An Enabler Feature needed to support the implementation
- A major refactoring

Objectives for PI 1

Business Value

- Structured location and validation of locations
- Build and demonstrate a proof of concept for context images
- Implement negative triangulation by tags, companies, and people
- Speed up indexing by 50%
- > Index 1.2 B more web pages
- > Extract and build URL abstracts

Stretch Objectives for PI 1

- > Fuzzy search by full name
- > Improve tag quality to 80% relevance

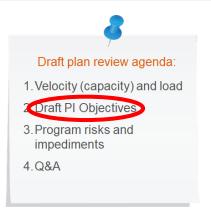
Let's Review PI Objectives



- ▶ Teams should write their PI Objectives in 'SMART' format.
 - Specific State the intended outcome as simply, concisely, and explicitly as possible. (Hint: Try starting with an action verb.)
 - Measurable It should be clear what a team needs to do to achieve the objective. The measures may be descriptive, yes/no, quantitative, or provide a range.
 - Achievable Achieving the objective should be within the team's control and influence
 - Realistic Recognize factors that cannot be controlled. (Hint: Avoid making "happy path" assumptions.)
 - ▶ <u>Time-bound</u> The time period for achievement must be within the PI, and therefore all objectives must be scoped appropriately

- Stretch objectives do count in velocity/capacity.
- They are planned, and aren't extra things teams do 'just in case you have time'
- However, they are not included in the commitment, thereby making the commitment more reliable
- If a team has low confidence in meeting a PI
 Objective, encourage them to move it to stretch
- If an item has many unknowns, consider moving it to stretch, and put in early spikes







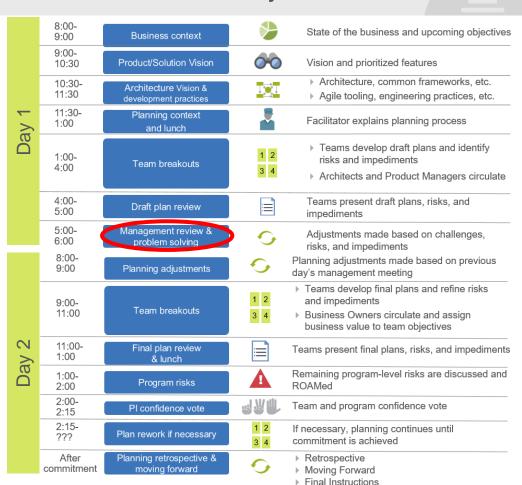
Day 1	8:00- 9:00	Business context	>	State of the business and upcoming objectives
	9:00- 10:30	Product/Solution Vision	00	Vision and prioritized features
	10:30- 11:30	Architecture Vision & development practices	↓ <u>×</u> ↓	Architecture, common frameworks, etc.Agile tooling, engineering practices, etc.
	11:30- 1:00	Planning context and lunch		Facilitator explains planning process
	1:00- 4:00	Team breakouts	1 2 3 4	 Teams develop draft plans and identify risks and impediments Architects and Product Managers circulate
	4:00- 5:00	Draft plan review		Teams present draft plans, risks, and impediments
	5:00- 6:00	Management review & problem solving	0	Adjustments made based on challenges, risks, and impediments
Day 2	8:00- 9:00	Planning adjustments	0	Planning adjustments made based on previous day's management meeting
	9:00- 11:00	Team breakouts	1 2 3 4	Teams develop final plans and refine risks and impediments Business Owners circulate and assign business value to team objectives
	11:00- 1:00	Final plan review & lunch		Teams present final plans, risks, and impediments
	1:00- 2:00	Program risks	A	Remaining program-level risks are discussed and ROAMed
	2:00- 2:15	PI confidence vote		Team and program confidence vote
	2:15- ???	Plan rework if necessary	1 2 3 4	If necessary, planning continues until commitment is achieved
	After commitment	Planning retrospective & moving forward	0	▶ Retrospective▶ Moving Forward

▶ Final Instructions



Management Review

Based on the constraints from the Draft Plan Review, Leadership, Product Management, Business Owners, and others stay behind to problem solve ART constraints and issues, including de-scoping features that accomplish Pl Objectives

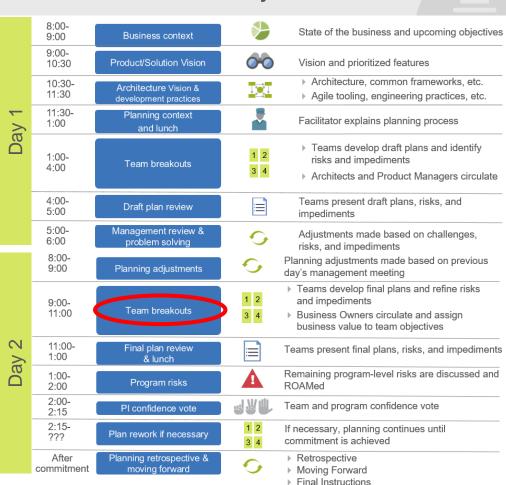




Team Breakout #2

- In the second team breakout, Business Owners circulate and assign business value to PI Objectives from low (1) to high (10)
- ▶ Teams finalize the Program Increment plan
- ▶ Teams also consolidate program risks, impediments, and dependencies
- Stretch objectives provide the capacity and guard band needed to increase cadence-based delivery reliability

Objectives For PI 1	Bus. Value
 Structured locations and validation of locations 	7
 Build and demonstrate a proof of concept for context images 	8
 Implement negative triangulation by: tags, companies and people 	8
- Speed up indexing by 50%	10
- Index 1.2 billion more web pages	10
 Extract and build URL abstracts 	7
===== Stretch Objectives =====	====
- Fuzzy search by full name	7
- Improve tag quality to 80% relevance	4



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Teams and Business Owners review all final plans



Final plan review agenda:

- 1. Changes to velocity (capacity) and load
- 2. Final PI Objectives with business value
- 3. Program risks and impediments
- 4. Q&A





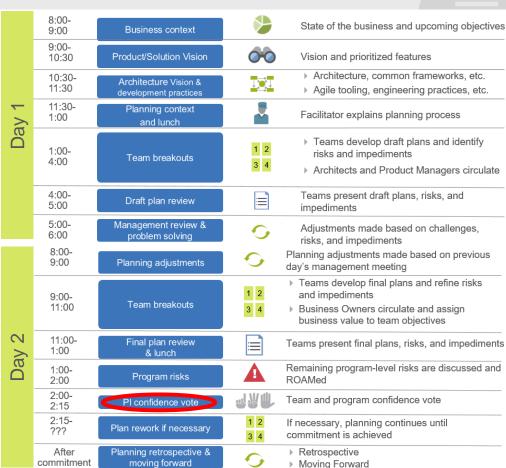
Confidence Vote: Team and Program Levels

"Fist of five" confidence vote

- Range of 1-5
- ▶ 1 = No confidence
- ▶ 5 = Very high confidence

A commitment with two parts:

- 1. Teams agree to do everything in their power to meet the agreed-to objectives
- In the event that fact patterns dictate that it is simply not achievable, teams agree to escalate immediately so that corrective action can be taken





- Moving Forward: What happens after PI Planning?
 - Capture objectives and Stories in Agile project management tooling
 - Aggregate Team PI Objectives to Program PI Objectives
 - Scrum of Scrum, PO Sync, and Iteration Review and System Demo cadences
 - Program Backlog refinement and next PI Planning preparation
 - Summarizing PI Planning retrospective results
 - Cleaning up the room!

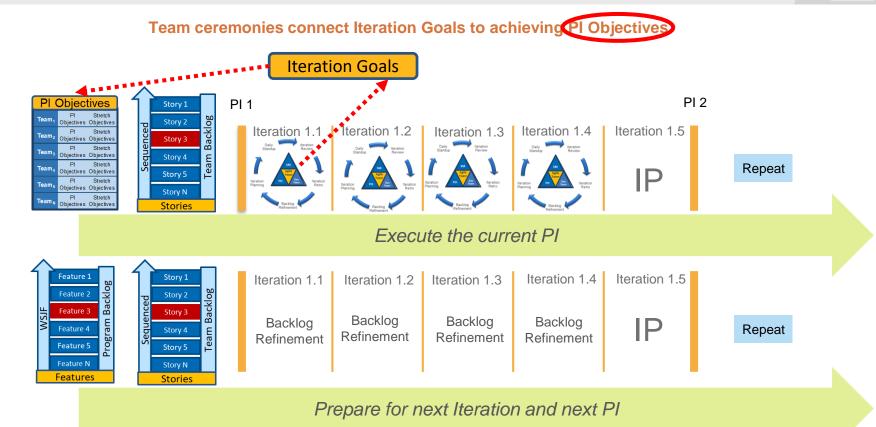




PI Execution

Team Level – Parallel Activities





Iteration Planning – Committing to Iteration Goals



Iteration Daily Stand-up (DSU):

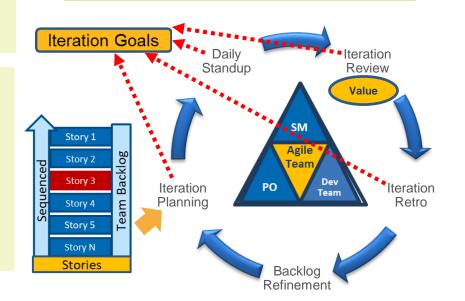
- What did I do yesterday to advance the Iteration Goals
- What will I do today to advance the iteration goals
- Are there any impediments that will prevent the team from meeting the Iteration Goals

Iteration Plan:

- Define and commit to what will be build in iteration
- Result in Iteration Goals and backlog of the team's commitment
- Reciprocal commitment between team and business

Iteration Goals

- Align team members to a common purpose
- Align Program Teams to common PI Objectives and manage dependencies
- Provide continuous management information



Iteration Review:

- How we did on the Iteration
 - Did we meet goals
 - Story by Story review
- How we are doing on the PI
 - Review of PI Objectives
 - Review remaining scope and reprioritize as needed

Iteration Retrospective:

- Quantitative
 - Improvement items complete this iteration
 - Did the team meet the Iteration Goals
 - Review iteration metrics
- Qualitative
 - 3 questions (went well, not so well, do better next time)

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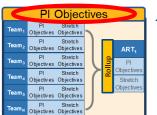


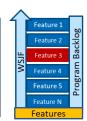
Program Execution

Program Level – Parallel Activities









Iteration 1 1

- . Scrum of Scrums
- PO Sync · System Demo

Iteration 1.2

- · Scrum of Scrums
- PO Sync · System Demo
- · Scrum of Scrums

Iteration 1 3

 PO Sync · System Demo

Iteration 1.4

- · Scrum of Scrums
- PO Sync
- · System Demo

Iteration 1.5

PI 2

- · Innovation
- I&A Workshop
- PI Planning

IP

Repeat

Execute the current PI



Vision



Iteration 1.1

- Update product roadmap and vison based on PI outcomes · Define and estimate new Epics
- · Refine Epics impacting next PI
- Create/refine EA Vision
- · Create Enabler Epics

Iteration 1.2

- Roadmap Epics into Features
- Identify Enablers

Iteration 1.3

- Feature refinement
- · Enablers refined

Iteration 1.4

- Top n Features vetted with LOBs
- Prepare Executive Brief
- Feature refinement
- Top n Features discussed with SAs
- Enabler Capacity Allocation agreed
- Prepare Product Vision/Roadmap
- Prepare Arch Vison

Iteration 1.5

- Top n Features socialized with teams
- High level starter stories created
- · Finalize presentations
- Train/Prep new ART leaders, BOs, Lean-Agile Leadership

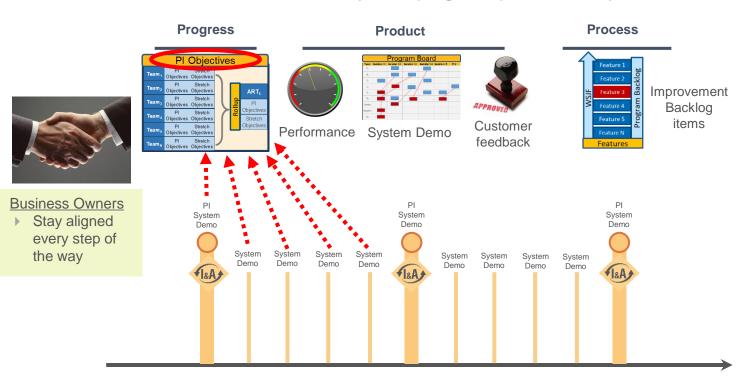
Repeat

Just-In-Time refinement and preparation for next PI

How PI Objectives foster ongoing alignment between Business and IT



Demos are orchestrated to deliver objective progress, product, and process metrics.



SAFe principle #5 – base decisions on objective milestones

- System Demos provide incremental progress of PI Objectives to the Business
- As part of I & A, the PI System Demo highlights the completed PI Objectives
- Also as part of I & A, the Business assigns Actual BV scores and the PI Objective results are reviewed
- Results in the range of 80-100% show high value

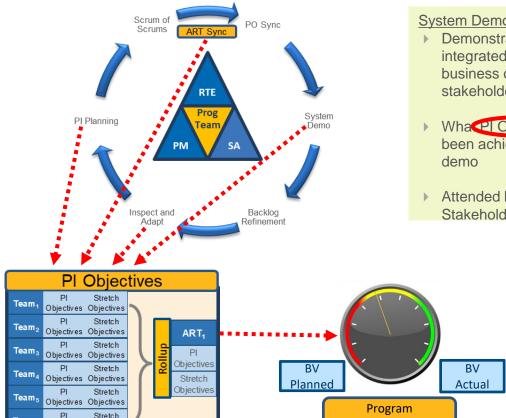
Program execution focuses on delivering PI Objectives

Objectives Objectives



Inspect and Adapt

- PI System Demo
 - At the end of the PI, teams demonstrate the current state of the Solution to the appropriate stakeholders
- Quantitative Measurement
 - Teams meet with Business Owners to self-assess the business value they achieved for each PI Objective
 - **Program Predictability** Measure show each team's planned vs actual business value
- Problem Solving Workshop
 - ART Teams address the larger impediments that are limiting velocity



System Demo:

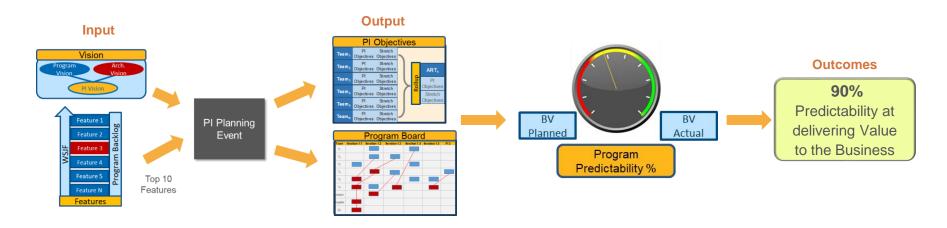
- Demonstration of the integrated working system to business owners and stakeholders
- What Pl Objectives have been achieved since the last
- Attended by Program Stakeholders

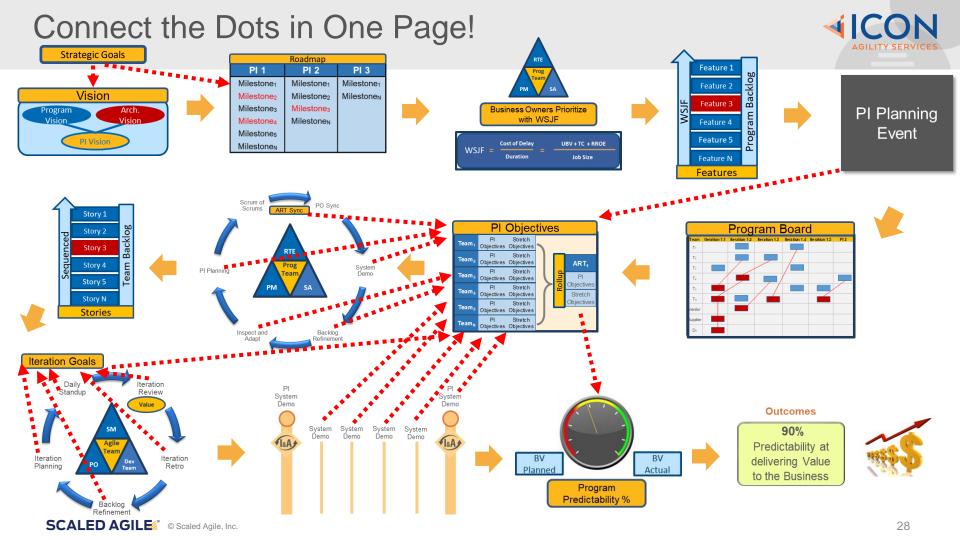
Predictability %

PI Objectives shift focus from output to outcomes!



- Features are not the end goal but merely a means to an end
- ▶ The goal is not to simply complete Features and Stories for the sake of completing them but to understand what value is being delivered by those vehicles
- By continuing to make the conversation about what the objectives are trying to achieve rather than the features we are trying to complete, we focus the attention on the outcomes rather than simply output







Summary

- PI Objectives provide synergy throughout the PI between Business and IT
- PI Preparation focuses attention on understanding the Benefits to be delivered by a Feature
- PI Planning focuses conversation around the PI Objectives to be achieved by Team plans (Iteration Goals)
- PI Execution focuses on achieving the PI Objectives, increasing the PI Outcomes and alignment to the Business



Questions

