



Example of an Agile Metric Dashboard for F-15

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Foundational Considerations for a Good Metrics Program

Define terms between SPO and contractor

Relevant metrics constantly change, don't constrain the program by requiring specific measures in a contract

Automate the collection of metrics

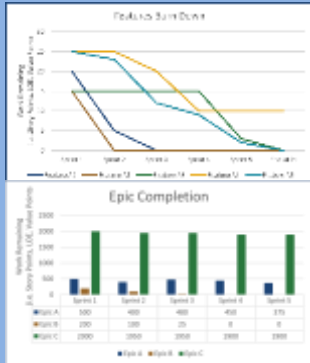
- Roll up to the highest classification, then create un-class metrics

- Must be timely to be relevant

Focus at the appropriate level, not all contractor metrics are appropriate for the SPO

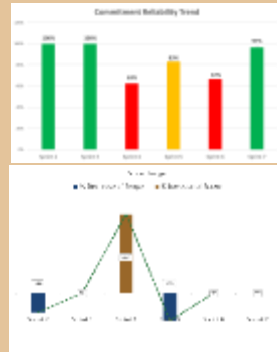
Agile Metrics Dashboard Example - 1

Program Burndown (Progress)



- Epic Completion
- Capability Completion
- Feature Burn Down / Up

Performance to PI Plan



- Features Planned vs. Completed
- Quality of Estimation
- Commitment Reliability

Quality & Tech Debt



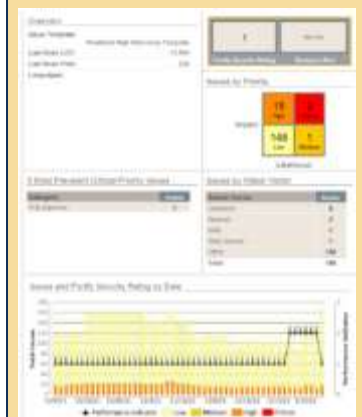
- Requirements Traceability
- Useability
- Defects
 - # & Severity of Defects
 - % Capacity Allocated to Defect Correction
 - # Escaped Defects
- Closure Rate
- Acceptance Criteria
 - % per Item
 - Sufficient for Testing
- Cyclomatic Complexity
- % Tangled
- % Fat

Test



- Testing Traceability
- Code Coverage
- Test Asset Availability
- Test Pass Rate
- Number of Defects that Slipped Through Prior Testing

Cyber



- Trends from "Fortify" Results
- Closure Rate
- Time Spent Assessing Report (False / Actual)

Agile Metrics Dashboard Example - 2

Infrastructure



- Culture, Process, and Technical Component Status
- Test Asset Availability

Automation



- Build Process
 - # Merges per Iteration
 - # Merges per PI
 - % Correct & Accurate at Merge
 - % Accepted vs. Committed
- Automated Test Measures
 - % Scripts Written
 - % Regression Tests
 - % Unit Test Automated

Productivity



- Rate of flow
- Throughput volume
- % Activity ratio
- Average lead time
- Average cycle time
- Effort Estimation Variance
- Features per PI / Team Completed
- Capability Completion
- # Escaped Defects
- Velocity

Cost & Schedule



- \$ per Team
- Features per PI / Team Completed
- Remaining Work
- Quality of Estimation
- Commitment Reliability
- Effort Estimation Variance
- EVMS

Workforce



- Hours per Functional Group
- Full Time Heads per Functional Group