How do you measure success rate of large scale agile process?

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About me..

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Large Scale Agile Players...

- **Internal**
  - Hardware, Software, System teams
- **Third party**
  - Software and Hardware Teams
- **Manufacturer**
  - Component and Board Manufacturers
- **Integration**
  - Software and Hardware Integrators
A define/build/test component team
Large scale Agile teams distributed ...
Our teams
Quality reviews and releases
Challenges
Solution
Success Measure
Quality Assessments...
Go/No-Go meetings..
Quality Assessments of Components – Pre-requisites

- Define Goals/Criteria
- Collect Metrics
- Generate Assessments

capture quality trends
**Milestone Candidate** Quality review process – CUSTOMIZED

- Initiate and collect data for each criteria
- Review against defined metric for completeness
- Generate Assessments
- Approve Assessments
- Yes: Milestone candidate ready
- No: Raise Exceptions and track to closure
Milestones
Our teams
Quality reviews and releases
Challenges
Solution
Success Measure
Customized Quality Assessments of Individual components
- Unsynchronized release cycles
- Component Deliverables to customers in isolation
Our teams
Quality reviews and releases
Challenges
Solution
Success Measure
Tailoring large scale Agile ...

- Common Quality Framework
- Synchronized Release cycles
- Effective Exceptions Management
How did we implement!!
Establish **Common Quality language** – goals and challenging metrics

Roll out Organization wide **training plan**

Mandated Common **release review Process**

Ensured **Adoption** by all the teams
Common Quality Framework measured areas.. **REVISED!!**

- Requirements management
- Feature Development
- Defects and customer escalations
- Third party Compliance
- Manufacturing checks
- Compatibility tests
- Customer scenarios
- In-house Deployment Tests
- Documentation ... etc.
Product release review process..
What Changed?... HW/SW Milestone Candidate Quality review process

- Initiate and collect data for each **criteria**
- Review against **defined metric** for completeness
- Generate Assessments
- Approve Assessments
- Raise Exceptions and track to closure
- Milestone candidate ready

- **Criteria** – Common Criteria Traction
- **Defined Metric** – More Stringent Metrics
- **Exceptions** – Close before next Milestone
- **Milestone candidate** – New Integration Process to synchronize releases
Synchronize releases..

1. HW/SW Milestone Candidate
2. Component Assessment
3. System assessments With latest component releases
4. System wide Assessments
5. Milestone Declaration
6. Ship release approval
Dependencies were taken care...
Common Quality Framework ensures...

- Establish Common Quality standards across organization
- Prevent component team declaring release in isolation
- Help ask “right” questions during ship decisions
- Transparency across entire system
- Central change control process
- Consistency of business processes
- Manage quality and risk of the product
- Raise the quality bar to align with customer expectations
Our teams

Quality reviews and releases

Challenges

Solution

Success Measure
Results

Stream line dependencies and Release schedules

Team collaboration Improved

Improvement in the Quality Processes

Time to market was met as planned

Plan future releases with horizon of Predictability

Maintained zero critical exposure defects

Associated Finance Risks were in control
Limitations!

One Size doesn’t fit all

Resistance to Change
Conclusion

- Delivering what customer **wants**
- **Open Communication** with customer
- Being **trusted** by customer
- Synchronize Release cycles to show **working software** frequently
Questions ?