



**Are you doing SCRUM?**

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# Nokia Scrum Assessment

You're not doing Agile when...

- Iterations are > 6 weeks
- Iterations are not timeboxed
- Specs try to finish before programming
- Iteration does not result in workable code
- Iterations don't include testing

You're not doing Scrum when...

- Your product backlog doesn't contain estimates
- You can't generate a release burn-down chart
- You don't know your velocity
- You don't know the product owner

# Scrum Tools

## Documents

- Product Backlog
- Sprint Backlog
- Release Roadmap
- Release Burndown
- Sprint Burndown
- Taskboard

## Ceremonies

- Sprint Planning
- Daily Standup
- Scrum of Scrum
- MetaScrum
- Sprint Retrospective
- Sprint Review
- Iterations

## Roles

- Product Owners
- ScrumMasters
- Team
- Chief Product Owner
- Über Scrum Master

# Product Backlog

- Must exist
- Is prioritized
- Anyone (can) contribute
- Managed by Product Owner
- More detail at high priority items
- Less detail at low priority items
- Posted visibly
- Ready before start of Sprint

# Sprint Backlog

- Must exist
- Is prioritized
- Tasks are pulled, not pushed by the team
- Taken strictly from Product Backlog

# Release Roadmap

- Must exist
- Product Owner creates & maintains (including input from development)
- Final release date determined by engineering progress & quality of code
- Can change features & priority every 30 days

# Release Burndown

- Must exist
- Product Owner creates & maintains
- Tracks progress on features (stories)
- Is posted visibly
- Is a graphical burndown

# Sprint Burndown

- Must exist
- Scrum Master creates & maintains
- Tracks progress on tasks
- Is posted visibility



# Taskboard

- Must exist
- Team maintains
- Tracks progress on tasks and features
  - Impediments
  - Not Started
  - In Progress
  - Ready for testing
  - Testing Complete
  - Done
- Is posted visibility

# Sprint Planning

- At beginning of Sprint
- Done by Team
- Team pulls from Product Backlog
- Provides scope of iteration

# Daily Standup

- Every day
- Includes a single Team + Stakeholders
- Focus on 24 hour scope
- Focus on dependencies & impediments

## Scrum of Scrum

- Every day
- Includes 1 member from each team as Pigs (ScrumMasters are only chickens here)
- Focus on 24 hour scope
- Focus on dependencies & impediments

# MetaScrum

- Weekly meeting of all stakeholders
- Led by Product Owner
- What teams did last week, what next week, impediments
- Product decisions made here
  - Release start, stop, modified, resourced
  - Decisions communicated to everyone same day
  - Damage control plan executed on same day (by stakeholders)

# Sprint Retrospective

- At end of Sprint
- Team + Stakeholders
- What was good, bad or to change
- Workshop change items

# Sprint Review

- At end of Sprint
- Team + Product Owners
- Results of Sprint
- Presentation of features

# Product Owner

- Interface between product Stakeholders
- Maintains Business Value and ROI
- Responsible for prioritized Product Backlog



# Scrum Master

- Facilitates interface between Customer and Team
- Maintains Scrum Processes
- Responsible for handling impediments

# Team

- Everyone doing actual work
  - Developers
  - Build
  - QA
- + Scrum Master

# Chief Product Owner

- Coordinates individual Product Owners
- Facilitates communication between all stakeholders

# Über Scrum Master

- Coordinates individual Scrum Masters
- Facilitates communication between all teams

# Scrum Processes

- Bootstrap process
  - Not top down
- Productivity enhancements
  - Highest value on actual implementation
  - Action, Test, Redo
- Self managing teams
- Minimize work in progress
  - The Problem: due to integration at end of sprint: 80% tasks finished, but 20% features finished)
  - Bug backlog
  - Taskboard: By feature, not by team member
  - Test in same iteration (invite QA)
  - Test immediately after iteration (lucky to have unit test, aside from integration tests)