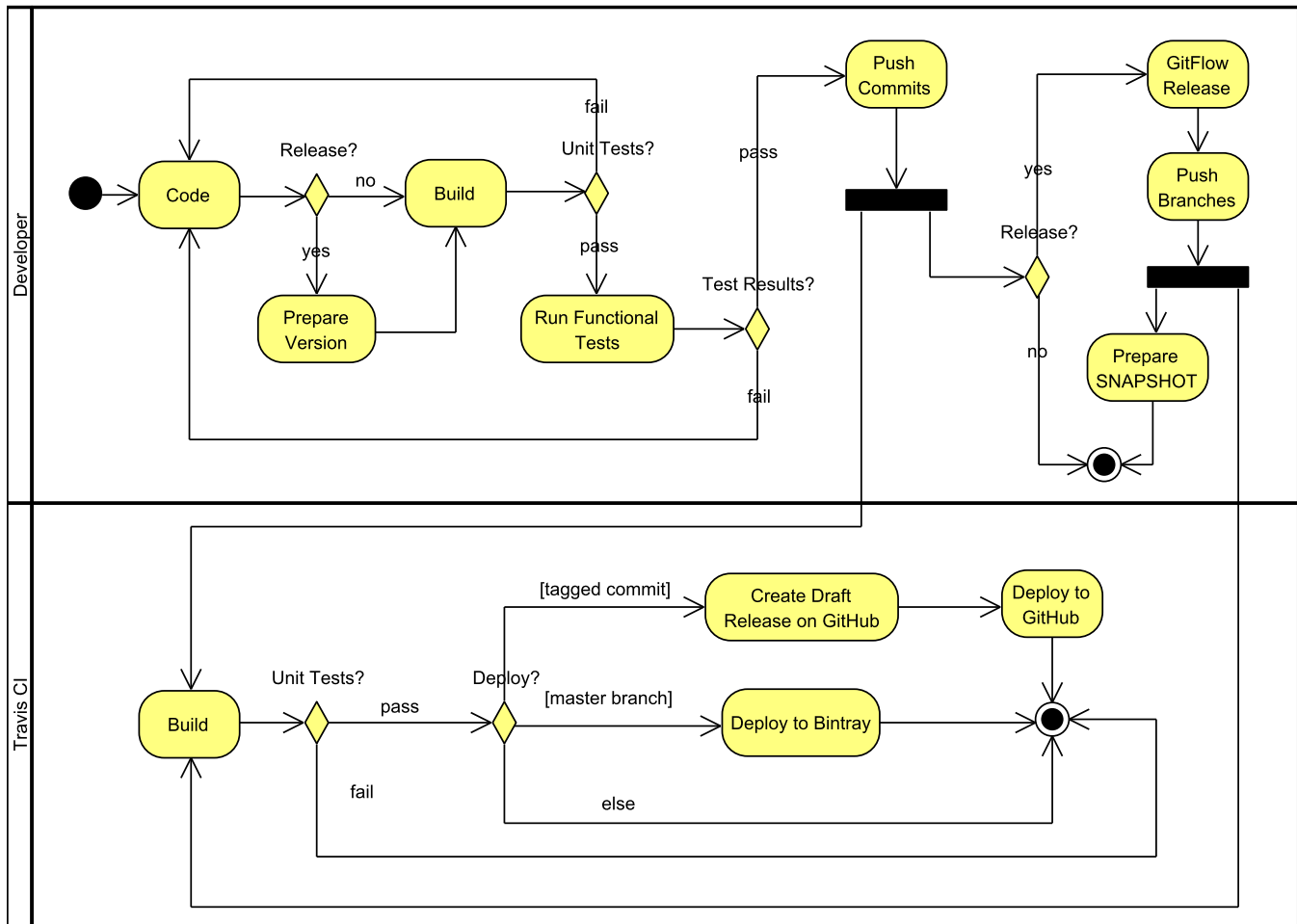# WWSK Release Process

NASA
Bruce Schubert

1. Release Process Activity Diagram

Name	Release Process Activity Diagram
Description	The actions used to build and release a WWSK distribution.
Author	Bruce Schubert
Updated	28-JUN-2017

The actions used to build and release a WWSK distribution.

2. Developer Actions

2.1. Code

Developer edits code in IDE.

2.2. Prepare Version

Developer prepares the release versions in project POMs.

Effect: mvn versions:set -DnewVersion={version}

2.3. Build

Developer builds WWSK with maven.

Effect: mvn clean install

2.4. Run Functional Tests

Developer runs JMeter functional tests.

2.5. Push Commits

Developer pushes commits to GitHub

2.6. GitFlow Release

Developer performs GitFlow "release".

Effect: tag release
merge to master branch
merge to develop
increment develop version number

2.7. Push Branches

Developer pushes branches to GitHub.

2.8. Prepare SNAPSHOT

Developer prepares the next release SNAPSHOT versions in the project POMs.

Effect: mvn versions:set -DnewVersion={version-SNAPSHOT}

3. Travis CI Actions

3.1. Build

Travis CI builds WWSK with maven.

Effect: mvn clean install -B -U -Prelease

3.2. Create Draft Release on GitHub

Travis CI creates a draft release on GitHub for the tag.

3.3. Deploy to GitHub

Travis deploys release to GitHub.

Effect: deploy:
  - provider: releases
 file: worldwind-geoserver-dist/target/*.*
 on:
     tags: true

3.4. Deploy to Bintray

Travis deploys released artifacts to Bintray.

Effect: mvn deploy -Pdeploy -DskipTests=true --batch-mode --settings ./travis/maven_settings.xml