
JAGTrack Configuration Management Plan

Version <1.0>

JAGTrack	Version: 1.0
Configuration Management Plan	Date: 18/03/12
Configuration Management Plan.docx	

Revision History

Date	Version	Description	Author
18/Mar/12	1.0	Initial version of document created.	Adam Moore

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Configuration Management Plan

1. Introduction

1.1 Purpose

This document outlines how configuration management activities will be carried out in the JAGTrack project.

1.2 Scope

This document informs the configuration management activities of all staff members of the JAGTrack project.

1.3 Definitions, Acronyms, and Abbreviations

Lieutenant – Group/Discipline leader in the JAGTrack project.

Dictator – Project manager (Hayden Chudy) responsible for the main configuration management activities

1.4 References

1.5 Overview

The rest of the Configuration Management Plan details how Configuration Management activities will be carried out in the JAGTrack project. For organization, see the table of contents at the beginning of this document.

2. Software Configuration Management

2.1 Organization, Responsibilities, and Interfaces

Each staff member will be responsible for committing his or her code changes to a local repository.

In terms of traditional GIT workflows, Hayden Chudy will be the Dictator. Group leaders will be Lieutenants.

2.2 Tools, Environment, and Infrastructure

We will be using Github for all configuration management processes throughout the development lifecycle.

The github website and any git client application (git-bash and git-gui) will be the tools used for configuration management.

Each staff member will push changes to his/her local repository. Then changes will be pushed to Lieutenants' repositories. Lieutenants will then push to the Dictator's repository, who will then push to the master repository. This will be done for all artifacts and all source code.

Issues involved in setting up the CM environment include:

The size of product data is to be determined.

Distribution of product team – see github wiki.

Each staff member will have his/her own local repository of code and artifacts. Servers are maintained by github.

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3. The Configuration Management Program

3.1 Configuration Identification

3.1.1 Identification Methods

Artifacts: JT-<artifact-name>.<extension>

Hardware: To be determined

Source Code: <filename> (will follow Android development best practices)

3.1.2 Project Baseline

A baseline will be established at the end of Inception. Beyond that point, Hayden Chudy will authorize all changes to the baseline.

3.2 Configuration and Change Control

3.2.1 Change Request Processing and Approval

Major change requests will be done by creating issues on GitHub. The change will be reviewed and a decision will be made by the leader of the affected discipline/group. The change will be implemented by pushing the changed item(s) to the repositories.

3.3 Configuration Status Accounting

3.3.1 Project Media Storage and Release Process

The main storage point for all code/artifacts will be github's servers. Each team member will have a local repository on his/her machine. Any member with the most recent repository can serve as a backup for recovery purposes.

Release Process: Source code will be given to the customer via a burned CD as well as paper copies for the LCO release. Paper copies of artifacts will also be included in the release. The tools for development will be included on the CD so that the customer may install them and run the included working code.

4. Milestones

Project Iteration briefing – May 1.

The configuration management plan will be reviewed at end of the next iteration unless immediate changes are necessary before that point.

5. Training and Resources

Training: Github tutorials are the principle training materials for configuration management activities

Tools: The github tool specified in section 2.2 of this document are the primary tools for configuration management activities.