March 1, 2013

Team 19 Risk Report

Laboratory # 3: Implementation Planning

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Work Product

List of new product development risks that appeared in the on-board and debugging software specifications. Also contains details on how they were handled and outcomes.

Document Revision Information

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Approval Sheet

All group members whose names are listed below approve of the document and contributed fairly.

Morgan, Laura
Miaw, Jireh
Hauser, Steven
Dworak, Catherine
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Pledge

On my honor, as a student, I have neither given nor received unauthorized aid on this assignment.

Morgan, Laura
Miaw, Jireh
Hauser, Steven
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Contents

Risks

Communicating with partner group

There can be a risk with communicating what each group wants in their specification document without confusion. We addressed this risk by using the SCR format for our documents, which minimizes confusion with macros. Our partner group also used SCR format, so we were able to easily read and understand their document.

Dealing with self-aborting software

There is risk with software failing on either the on-board or computer side with certain errors. The software must handle these errors, such as a loss of communication. To address this, we have attempted to specify behavior of both the control station and robot when the robot becomes disconnected, so that the software will never reach a point at which it aborts by itself.

Dealing with unreachable milestones

Some milestones may prove too difficult to achieve. To address this risk, we attempted to identify various sub-tasks leading up to each milestone; making sure that these were each simple and well-defined helps to ensure that the milestone will be able to be completed. Every milestone now appears to be attainable.

Creating a schedule

A schedule that does not give adequate time for tasks can lead to a project getting severely behind from its scheduled completion date. On the other hand, a schedule that allows for too much time leads to waste in some areas and possible time-crunches in other areas. Either way results in inefficiency. To attempt to deal with this, we broke each major task into subtasks to attempt to analyze in-depth the work that would go into each task. Visualizing these made it easier to create a well-timed schedule. Our schedule now seems to have proper time allowances.