SHWOZ
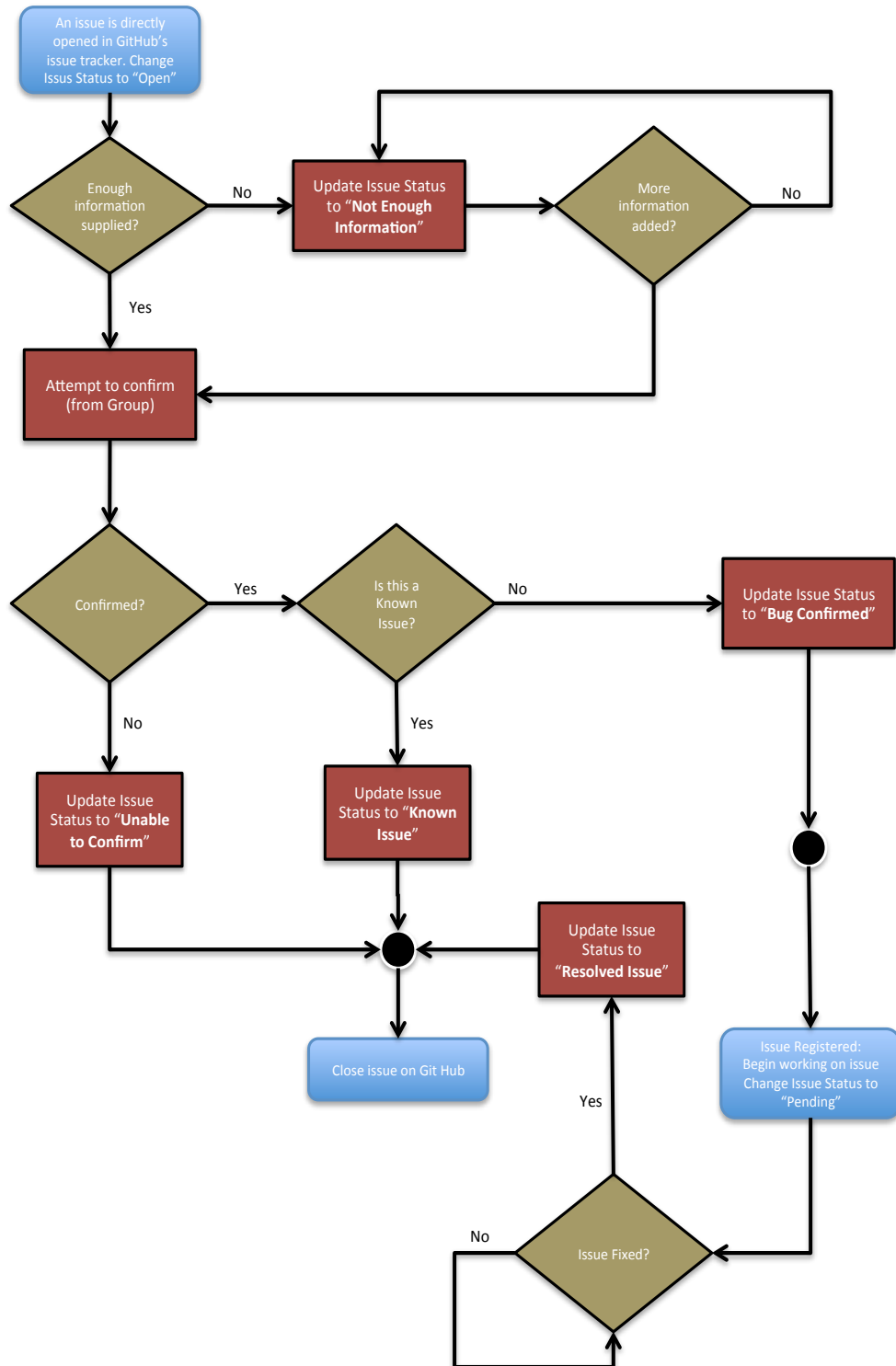
**Railway Train System Simulation
Bug Tracking Policy**

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February 14th 2014

Bug Tracking Policy

An issue is directly opened in GitHub's issue tracker. Change Issus Status to "Open"

Enough information supplied?

No → Update Issue Status to **"Not Enough Information"**

More information added?

No

Yes

Attempt to confirm (from Group)

Confirmed?

Yes → Is this a Known Issue?

No → Update Issue Status to **"Bug Confirmed"**

No → Update Issue Status to **"Unable to Confirm"**

Yes → Update Issue Status to **"Known Issue"**

Update Issue Status to **"Resolved Issue"**

Close issue on Git Hub

Issue Registered: Begin working on issue Change Issue Status to "Pending"

Issue Fixed?

No

Yes

Issue Directly Opened in GitHub's Issue Tracker

When an issue is opened in GitHub's Issue Tracker, the Issue will be labeled as "Open". Group members will then each proceed to comment on the issue and confirm that the issue is in fact a bug.

More Information Needed

While members comment on the issue, it will be decided whether there is enough information identifying the problem. If there is not enough information the Issue status will be updated to "Not Enough Information". While the Issue's status is "Not Enough Information", the member who created the issue shall submit more information relating to the problem. After more information has been added to the issue, the status of the issue will be updated to "Open". The issue will then be rescheduled for a group confirmation.

Issue is Known

After members confirm the issue, members will also check if the issue is already known. If the issue is already known, the issue's status will be updated to "Known Issue". For the issue to be already known the documented had to have been previously created, or the group has discussed this topic in person before.

Issue is Not Known

After members confirm the issue, members will also check if the issue is already known. If the issue is not known, the status of the issue will be updated to "Bug Confirmed: 1", "Bug Confirmed: 2", or "Bug Confirmed: 3". These statuses represent different priorities. Also the module the issue pertains to will result in the issue being appended with the extra label of "CTC Office", "Train Controller", "Track Controller", "Train Model", or "Track Model".

Issue Priorities

Critical (1): The train went from working to now broken. A module went from working to now broken. Work on a solution should begin within two days time for these issues. This solution should be implemented by a group effort.

Normal (2): A specific function or object in the source code went from working correctly to not working at all. A specific function or object is currently and never has worked correctly. Work on a

solution should begin within a week for these issues. One individual should implement this solution.

Trivial (3): Cosmetic issues with the user interface. There are misspelled words in the comments of the source code or the user interface. There exist unused variables or parameters, in the source code. Work on a solution should begin two weeks time for this issue. One individual should implement this solution.

Working on Issue

When a member begins working on the issue, the status of that issue is changed to "Bug Confirmed: 1 Pending", "Bug Confirmed: 2 Pending", or "Bug Confirmed: 3 Pending".

Issue Fixed

If the issue has been resolved, its status will be updated to "Resolved Issue". The Issue will also be closed in GitHub's Issue Tracker.