Engineering Notes No. 9.2

## INFORMATION

**NAME:** William Reimer

**DATE:** 02/14/25 - 02/20/25

**Sprint: 9**

## JIRA BACKLOG

**Responsible for:**

* Research alternative methods to use ERAU map in PolyVerif
* Researching Scenic and Sumo functionality

**Contributed to:**

* Attempting to debug PolyVerif
* Determine finalized requirements
* Assist with test case creation

## RESOURCES & DOCUMENTS CONTRIBUTED TO

***Table 1 - Contributions***

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Resource/Document** | **Location** | **Contribution Description** |
| 02/18/25,  02/20/25 | Attempting to debug PolyVerif | Micaplex | We are moving forward with changing systems, and will be collaborating with Quentin further. We have given debugging our current PolyVerif system a try again, and will make an attempt next meeting as well. If this fails, we will proceed with the system change. |
| 02/20/25 | Assist with test case creation | Micaplex | Assisted with the creation of Python scripts for PolyVerif test cases. Gave Python programming insight and looked into script functionality in new system we will be transitioning to. |

## COMPONENTS TESTED

***Table 2 - Testing***

|  |  |  |  |
| --- | --- | --- | --- |
| **Date Tested** | **Component** | **Result** | **Comments** |
| 02/20/25 | Debugging PolyVerif | Failed | Have once again attempted to debug PolyVerif and get it in working order, to no avail. We will most likely be transitioning to new system next sprint. |
|  |  |  |  |

## PROBLEMS SOLVED

***Table 3 - Solutions***

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| --- | --- | --- |
| **Date** | **Problem** | **Solution & Notes** |
| 02/13/25 | Debugging PolyVerif | Will collaborate with Quentin to get a working version on our workstation in the Micaplex. Will be done next sprint. |
|  |  |  |

## PROBLEMS TO ADDRESS NEXT

***Table 4 – Future Problems***

|  |  |
| --- | --- |
| **Problem** | **Description** |
| De-bugging PolyVerif | As previously mentioned, potentially working with a new system means testing new system functionalities and getting used to a new way of doing things. We may also run into unforeseen problems as a result, so we must be mindful going forward. |
|  |  |

## MEETING NARRATIVE NOTES:

***Table 5 – Meeting 1***

|  |  |  |
| --- | --- | --- |
| **02/18/25** | **Meeting Type:** Class/Standup/Presentation | |
| Met with Product Owner(s): Y/N | | |
| **Problems Brought Up:** | | |
| **Problem** | | **Proposed Solution** |
| Debugging PolyVerif | | Brought up PolyVerif troubles to Dr. Akbas, and we explained our potential new solution of talking to Quentin and transferring to new system. |
|  | |  |
|  | |  |
| **Other Items Updated on:** | | |
|  | | |
| **Additional Notes:** | | |
| Meeting this tuesday was similar in content to last Tuesday. PolyVerif has been giving similar problems, and as a result, not much progress was made in this area. Will now shift focus to implementing new System that Quentin has, as we can’t afford to dedicate more time to this issue without seeing results. | | |

***Table 6 – Meeting 2***

|  |  |  |
| --- | --- | --- |
| **02/20/25** | **Meeting Type:** Class/Standup/Presentation | |
| Met with Product Owner(s): Y/N | | |
| **Problems Brought Up:** | | |
| **Problem** | | **Proposed Solution** |
| Debugging PolyVerif | | Tried to get PolyVerif working again. As it didn’t work, we will get in contact with Quentin to help us make the shift from our version of PolyVerif to his system. |
|  | |  |
|  | |  |
| **Other Items Updated on:** | | |
| Worked on engineering notes again after meeting: Looking through and making sure they will be ready to turn in | | |
| **Additional Notes:** | | |
|  | | |

## NOTES:

Group Notes:

02/18

Met in LB 374, discussed potential alternatives to PolyVerif.

Looking into Quentin's model which does not include LGSVL which has been the main root cause of instability.

02/20

Met in MP 224

Organized the GitHub for the engineering notes