

# Engineering Notes No. 13.1

## INFORMATION

**NAME:** Isabella Acosta

**DATE:** 04/02/25 - 04/08/25

**Sprint:** 13

## JIRA BACKLOG

### Responsible for:

- EGR Notes 3
- Set up Scenic-Sumo - Isabella
- Test Introductory test cases

### Contributed to:

- Plan out AI and neuroevolution scope of project
- Set up Scenic-Sumo -- Micaplex PC

## RESOURCES &amp; DOCUMENTS CONTRIBUTED TO

**Table 1 - Contributions**

Date	Resource/Document	Location	Contribution Description
04/03/25	Introductory test cases	Local drive	Created initial test case for VerifAI.
04/08/25	Work on Final Test Plan	Local drive	Worked on Davian with initial makeup of test plan.

## COMPONENTS TESTED

*Table 2 - Testing*

Date Tested	Component	Result	Comments
04/03/25	Scenic and SUMO map (in program)	It ran!	Map that is already installed works well with the model.
04/08/25	VerifAI	It works!	It is compatible with our model (or so we thought)

## PROBLEMS SOLVED

*Table 3 - Solutions*

Date	Problem	Solution & Notes
04/03/25	Map needs to be properly implemented.	Map has been generated but needs to be implemented into Scenic-SUMO.
04/08/25	Fatal ERROR in Scenic-SUMO	FATAL ERROR warning after closing and trying to relaunch ScenicSumo with the new map, got resolved by replacing with the old map
04/08/25	VerifAI compatibility issues	VerifAI is not actually compatible, but we were able to get the right version of Scenic-SUMO and fix it.

## PROBLEMS TO ADDRESS NEXT

*Table 4 - Future Problems*

Problem	Description
Map Integration	Properly integrate map into Scenic SUMO.
Final Test Plan	Continue working on final test plan
Poster presentation	Communicate on what needs to be done for our final assignments.

## MEETING NARRATIVE NOTES:

**Table 5 - Meeting 1**

04/03/25	Meeting Type: Class/Standup/Presentation/MicaPlex	
Met with Product Owner(s): Y/N		
Problems Brought Up:		
Problem	Proposed Solution	
VerifAI introductory test case	Create introductory test case to test VerifAI	
Other Items Updated on:		
Additional Notes:		
Met in MP 224		
Create basic tests cases to feed into VerifAI so that it can be improved upon and create its own tests cases		
Might import a new map, or modify the example.py		
Isabella and Davian create more tests cases for this purpose.		
Final Test Plan due on the 04/15/2025		
Poster due on the 04/21/2025		
10 minute video due on 04/24/2025		
Researched how to create new map through OSM using OSMWebWizard		
Potentially start coming to the micaplex on Tuesdays as we begin wrapping up the semester.		

**Table 6 - Meeting 2**

04/08/25	Meeting Type: Class/Standup/Presentation/MicaPlex	
Met with Product Owner(s): Y/N		
Problems Brought Up:		
Problem	Proposed Solution	
FATAL ERROR on Scenic-SUMO	We changed the map back to the original one.	
VerifAI compatibility	Update Scenic-SUMO version so that it is compatible with VerifAI.	
Other Items Updated on:		
Additional Notes:		
<p>Met in MP 224, no Hannah, Will is trying to figure out how to implement the map, but we're all scared that it will break. Will is trying to run ScenicSumo using the instructions left for us. He got it running! He wrote a script to make .xml files directly in blender.</p> <p>Final Test Plan and Developing the test cases. worked on by Isabella and Davian, is due on the 15<sup>th</sup></p> <p>Serena is focusing on the VerifAI</p> <p>FATAL ERROR warning after closing and trying to relaunch ScenicSumo with the new map, got resolved by replacing with the old map</p> <p>Updated Scenic, caused issues</p> <p>VerifAI is not compatible with the working version of ScenicSumo that we are using.</p> <p>Serena fixed it! With VerifAI installed with the appropriate ScenicSumo version.</p>		

**NOTES:**

We were able to get VerifAI implemented correctly with our Scenic-SUMO version and created a test case to ensure the flow of the their compatibility.