

Engineering Notes No. 13.2

INFORMATION

NAME: Davian Rosario-Ortiz

DATE: 04/09/25 - 04/15/25

Sprint: 13

JIRA BACKLOG

Responsible for:

- Finalizing and refining the Final Test Plan for submission
- Testing VerifAI with Scenic-Sumo to ensure compatibility and functionality.
- Merging existing example test scripts with VerifAI API elements.
- Supporting map validation and scenario configuration efforts.

Contributed to:

- Integration of VerifAI input parameters and loading mechanisms into Scenic scripts.
- Map evaluation and validation for project continuity.
- Collaborative review and editing of Final Test Plan documentation.

RESOURCES & DOCUMENTS CONTRIBUTED TO

Table 1 - Contributions

Date	Resource/Document	Location	Contribution Description
04/10/2025	Final Test Plan	One Drive	Continued edits and integration of test case scenarios.
04/10/2025	VerifAI integration	MP 224	Tested and confirmed example.py + VerifAI API compatibility.
04/15/2025	Scenic-Sumo Map Review	MP 224	Discussed map structure, fallback plan based on ERAU resemblance.

COMPONENTS TESTED

Table 2 - Testing

Date Tested	Component	Result	Comments
04/10/2025	VerifAI API	Working	Version 0.0b1 installed and compatible with updated scripts.
04/10/2025	Scenic-Sumo map	In-Progress	Validating with VerifAI; fallback to existing ERAU-like map.

PROBLEMS SOLVED

Table 3 - Solutions

Date	Problem	Solution & Notes
04/10/2025	VerifAI not aligned with script	Merged API functions with example.py ensured compatibility.
04/15/2025	Map ambiguity	Determined current layout resembles ERAU, can be used as fallback map.

PROBLEMS TO ADDRESS NEXT

Table 4 - Future Problems

Problem	Description
Final test case validation	Ensure scenarios align with system behavior and VerifAI logic.
Map-scenario integration	Verify map supports parameterized behavior in simulations.
Final report deliverables	Begin drafting poster and preparing for 10-minute video.

MEETING NARRATIVE NOTES:

Table 5 - Meeting 1

04/10/2025	Meeting Type: In-Class (MP-224)	
Met with Product Owner(s): N		
Problems Brought Up:		
Problem	Proposed Solution	
VerifAI compatibility with Scenic	Merged APIs and confirmed compatibility in testing.	
Map usability for project	Use existing map as fallback representing campus.	
Other Items Updated on:		
Final Test Plan editing underway		
Additional Notes:		
Project in crunch time, working under tight deadlines.		

Table 6 - Meeting 2

04/15/2025	Meeting Type: In-Class (LB 374)	
Met with Product Owner(s): Y		
Problems Brought Up:		
Problem	Proposed Solution	
Final Test Plan review	Focus efforts specifically on test cases.	
Other Items Updated on:		
None.		
Additional Notes:		
<ul style="list-style-type: none">Akbas wants to ensure that the project remains focused and test-driven.		

NOTES: