

# PROJECT STATUS REPORT

## PREDICTING DEFECTS IN PARTS MADE VIA ADDITIVE MANUFACTURING

### AS OF: 12/4/2023

#### PROJECT STATUS SUMMARY

Percent Complete: ~45%

Scope	Schedule	Cost	Risks	Quality
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**Schedule:** The project is proceeding on schedule. Program arguments/logging is being added to shrinking sphere and additional features are being added to the visualization.

**Risks:** N/A – no risks as of yet.

#### WORK PLANNED FOR LAST WEEK

Last week, the plan was to continue shrinking sphere implementation and begin visualization implementation.

#### WORK COMPLETED LAST WEEK

During last week's meeting times and offline we:

- Began working on visualization color picker and added max/min to the slider.
- Began researching a hole depth identification algorithm, and began adding logging/program arguments support to shrinking sphere program.

#### WORK PLANNED FOR NEXT WEEK

This upcoming week, we are:

- Working on wrapping up shrinking sphere with logging, command line arguments, etc. – also, wrapping visualization by adding a few bonus features and optimizing.
- Researching hole depth algorithm and selecting candidate implementation. Begin work on implementation.

#### OPEN ISSUES

N/A

#### DELIVERABLES AND MILESTONES

This section is a table which shows the status of milestones and deliverables.

The first column is for the name of the Milestone or Deliverable from the project plan. The next column is the WBS unique ID number. This ties it to the milestone/deliverable in the project plan. The “Planned” column is the planned completion date according to the baseline. The “Forecasted” column is the expected completion date for this item. The “Actual” column is the

actual date the milestone/deliverable was completed. The “Status” column is a simple one or two word phrase such as; “Completed”, “On Schedule”, “Late”, “Accepted”, etc.

Milestone	WBS	Planned	Forecasted	Actual	Status
Set-up VMs		10/02/23		10/7/23	Complete
Implement shrinking sphere		11/09/23		11/13/23	Complete
Offline visualization		11/09/23		11/13/23	Complete
Deliverable	WBS	Planned	Forecasted	Actual	Status
Shrinking sphere optimization		12/23			On schedule
Offline visualization optimization		12/23			On schedule

## OPEN CHANGE REQUESTS

Use this section to track all changes to the project scope and report the status of those changes. Tracking of changes starts with the request for the change, tracks the approval status and ends when the change is added to the project, the project plan and schedule have been updated and the change has become integrated into the project.

Change Request Name	Change Request Number	Request Date	Current Status
Investigate polygon resolution heuristic feature	1	11/1/24	Pending research & prioritization – backburner for now

## KEY PERFORMANCE INDICATORS (KPI's)

Many executives turn right to this section as it provides a clear summary of the status of the project according the progress metrics. You should limit the metrics displayed to the most important. You want to avoid providing the same information in different formats. Fewer is better.

**Schedule** - Project is **On Schedule**  
Schedule Variance (SV): +/- 7 days

**Cost** - Project is **On Budget**  
Cost Variance (CV): \$0