

Transition Iteration 3 (T3) - 5 October 2021

Key Milestones

Milestone	Date
Handover (Deployment of the system (Beta UAT as its a POC which Intellify will improve and turn into a full production system)	18/10/2021
Continuing work on the contingency solution (XGBoost and its variants)	15/09/2021
Resolution of issues	Feedback received so patch where possible before handover 18/10/2021
PRM Completion (High level objectives outline objectives for the product release milestone PRM)	18/10/2021
PMAS Completion (embodied by all project management tasks conducted over the span of the second half of the project)	18/10/2021

High level objectives

1. **Handover (Final production deployment of the system)** - As a proof of concept system, the deployment of system will be done in coordination with the user acceptance testing with any modifications completed once feedback is returned. This is an ongoing task.
2. **External user acceptance testing (Beta UAT)** - Given the structure of the project and the nature of this POC only a single wave of testing will be conducted, this is also due to the delays expected in testing and communication with DCS/Spatial Services. This single wave was conducted last iteration, feedback has been collected all the way along the project during a weekly meeting with Spatial Services and Intellify but this creates a final checklist for cleanup and handover.
3. **Resolution of issues** - Once feedback is received it will be processed and adjustments made where required to the existing pipelines. Time is limited, especially given this is a university subject with a solid end date so any additional fixes or changes that can't be made due to this limitation will be documented for use by Intellify for there full implementation should that proceed in its entirety.
4. **Contingency solution** - The team now has a few working and usable pipelines for the aerial imagery processing initiative, although these have been very successful overall an additional algorithms have been presented by Intellify to explore for the remainder of the time.
5. **PRM Completion**
6. **PMAS Completion**

Evaluation Criteria

How will we determine if the high level objectives are achieved.

1. **Handover (Deployment of the system)** - Manuals and git repository to be handed over to DCS/Spatial Services on the 18th October, they will receive a comprehensive documentation set as well as all extra working file. This milestone marks the end of the project. During this iteration we will be aiming to complete the cleanup and collation of all these documents. Some additional meetings may be held to facilitate the completion of any outstanding issues or work. The iteration will see the completion of this task and all associated tasks, although there may be additional cleanup and assessment following the 18th to confirm that Spatial Services has and can access all of the documentation as well as any resources such as Jupyter notebooks, etc.
2. **External user acceptance testing (Beta UAT)** - Feedback has been received by one individual in Spatial Services. This feedback is to be reviewed and adjustments made as required during this iteration (see "3. Resolution of issues").
3. **Resolution of issues** - As some feedback has been received, the plan is to review and make adjustments as required. Any issues that cannot be resolved before the end of the project will need to be documented so that either Spatial Services or Intellify can use that information moving forward into the production system development set to be underway after we complete the project and hand over our documentation. Intellify has been given the task of conducting this production system build, some of our research and development should be useful in the process so it is important that we have an extensive documentation set to provide.
4. **Contingency solution** - The XGBoost and UNET pipelines have been started, these alternative pipelines represent in some ways a better solution to that of GMM and the AWS Semantic Segmentation pipelines. The aim is to have these usable with a manual for handover. As this is a POC project there is no urgency to have this contingency completed as there is a number of usable pipelines as well as the associated documentation, this will enable Spatial Services and Intellify to continue this research and development in the future. Although we would still like to have these done for the improved results and what that represents for Spatial Service's aerial image processing pipelines. By the end of this iteration this should be wrapped up, finished or not.

Work Item assignments

The following Work Items will be addressed in this iteration:

Jira

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
FEAII-119	Create user manual for XGB+GMM pipeline		06/Oct/21 8:52 AM	Today 7:12 AM	15/Oct/21	Andrew Smith	Andrew Smith	=	TO DO	Unresolved
FEAII-117	End of project report (DCS)		05/Oct/21 10:29 AM	05/Oct/21 10:32 AM	18/Oct/21	Darren Sheehan	Patrick Funnell	=	TO DO	Unresolved
FEAII-116	Video presentation cutdown - 2nd Nov		05/Oct/21 10:17 AM	05/Oct/21 10:17 AM		Patrick Funnell	Patrick Funnell	=	TO DO	Unresolved
FEAII-115	Confluence export documents for PRM and handover		29/Sep/21 10:40 AM	29/Sep/21 10:41 AM	15/Oct/21	Patrick Funnell	Patrick Funnell	^	TO DO	Unresolved
FEAII-114	Create Confluence page for XGB pipeline		22/Sep/21 10:43 AM	06/Oct/21 9:38 AM	08/Oct/21	Andrew Smith	Andrew Smith	=	TO DO	Unresolved
FEAII-112	Transition Phase Project Status Assessment		22/Sep/21 10:24 AM	04/Oct/21 11:10 AM	13/Oct/21	Patrick Funnell	Patrick Funnell	=	TO DO	Unresolved
FEAII-111	Free discussion surrounding what has been accomplished by the team (with David)		22/Sep/21 10:07 AM	05/Oct/21 10:30 AM	05/Oct/21	Patrick Funnell	Patrick Funnell	^	DONE	Done
FEAII-103	Code Compliance		12/Sep/21 8:53 AM	Wednesday 10:00 AM	15/Oct/21	Patrick Funnell	Patrick Funnell	=	DONE	Done
FEAII-100	Final presentation (Handover, 18th)		18/Aug/21 1:03 PM	09/Oct/21 5:55 AM	18/Oct/21	Patrick Funnell	Patrick Funnell	^	IN PROGRESS	Unresolved

9 issues

Major release task

Key	Summary	Due	Description
FEAII-28	Product Release Milestone (PRM)	18/Oct/21	<h3>Assessment item 3 - Product Release Milestone (PRM)</h3> <p>Value: 20%; Due Date: 18-Oct-2021; Return Date: 09-Nov-2021</p> <p>TASK</p> <p>back to top</p> <p>The goals of the Transition Phase are:</p> <ul style="list-style-type: none"> To ensure the project is ready for release into a production environment. To obtain user testing feedback and product acceptance. To obtain stakeholder acceptance of final project. <p>The main emphasis in the Transition Phase is on deployment of the finished software artefact, completion of user acceptance testing and responding to any defects found.</p> <p>The primary tasks involved in the Transition Phase are:</p> <ol style="list-style-type: none"> 1. A deployment of the 'beta ready' software to the intended deployment environment. 2. The conducting of user acceptance tests. 3. The rectification of any defects or issues uncovered in the acceptance tests. 4. The completion of any programmer documentation to the 'hand off' stage. <p>The Product Release Milestone (PRM) represents the completion of the Transition Phase. Deliverables for the PRM include:</p> <ol style="list-style-type: none"> 1. An Implementation Model that embodies the final production version of the completed software. (30 marks) 2. A successful demonstration of the software to the project sponsor resulting in sponsor signoff. (10 marks) 3. A Test Model including completed user acceptance tests for the final product. (25 marks) 4. Programmer documentation sufficient to pass on to a separate development team to maintain the product. (25 marks)






5. An Transition Phase Project Status Assessment - which assesses your project progress against the overall aims of the project, and against the specific aims of the Transition Phase (10 marks).

Due to the limitations imposed by the university semester timetable, beta testing is truncated. An initial round of testing is conducted and all issues and bugs uncovered in that round must be addressed and resolved. This must be verified in a second round of testing. However, once all issues uncovered in the first round are resolved, the project is deemed complete for submission purposes. It is not required that you address any **additional** issues uncovered in the second round of testing. Conducting a round of testing and resolving the issues uncovered forms the basis of Transition iterations.

Please note that if you are developing a real application for a real sponsor, beta testing may continue for as many rounds as required to meet sponsor's requirements. In this context, please note the utility of a clear Vision document to set a well defined end point for the project.

(See assessment below for any other outstanding tasks)

Clean up of any outstanding transition iteration 2 items.

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
FEAll-120	Transition iteration plan 3		Sunday 1:58 AM	Today 7:11 AM	14/Oct /21	Patrick Funnell	Patrick Funnell	=	DONE	Done
FEAll-113	Document refinement and polish document set for release		22/Sep/21 10:25 AM	Today 7:11 AM	14/Oct /21	Patrick Funnell	Patrick Funnell	=	IN PROGRESS	Unresolved
FEAll-110	Transition iteration plan 2		22/Sep/21 10:02 AM	09/Oct/21 5:53 AM	05/Oct /21	Patrick Funnell	Patrick Funnell	=	DONE	Done
FEAll-109	PSR Reporting (September)		22/Sep/21 9:59 AM	Today 7:11 AM	07/Oct /21	Cam	Patrick Funnell	=	DONE	Done
FEAll-101	Lessons learnt collection session (internal G5)		18/Aug/21 1:05 PM	15/Sep/21 10:36 AM	13/Oct /21	Patrick Funnell	Patrick Funnell	⤴	TO DO	Unresolved

5 issues

Other

ID	Name / keywords of desc.	Outcome	State	Assigned to	Hrs Est.	Hrs Act.	Hrs Left
1							
2							

Risks to be resolved within this iteration

Risk	Status	Notes

Issues to be resolved within this iteration

Risk List Index	Issues	Status	Notes

Assessment

Assessment target	Product release milestone (PRM)
Assessment date	18-Oct-2021
Participants	All
Project status	90% - Completion will see 100%.
Assessment target	Project Management Assessment Stream (PMAS)

Assessment date	18-Oct-2021
Participants	All
Project status	90% - Completion will see 100%.

- Assessment against objectives
- Work Items: Planned compared to actually completed
- Assessment against Evaluation Criteria Test results
- Other concerns and deviations