

Autonomous Power Management
Work Items List - Construction - End of Iteration

Name / Description	Priority	Size estimate (Points)	State	Target iteration	Assigned To	Effort estimate left (hours)	Hours worked	Reference material
Tailor process for project	1	1 Done	1 Done	Inception I	Process Engineer	0	1.5	Development Case
Set up versioning and continuous integration	3	1 N/A	1 N/A	Inception I	Developer	0	0	
Plan project and iteration	2	1 Done	1 Done	Inception I	Project Manager	0	3	Iteration Plan, Project Plan, Work Items List, Risk List
Capture High-Impact Requirements	1	2 Done	2 Done	Inception I	Analyst	0	1.5	System Goals Document, Glossary, Domain Model
Confirm MAS Adequacy	4	1 Done	1 Done	Inception I	Analyst	0	2	
Maintain[Schedule]								
Complete basic design for all architectural areas	1	1 Done	1 Done	Inception I	Architect	0	1.5	
Do detailed design for all architectural areas	1	1 Done	1 Done	Elaboration I	Architect	0	3	Architectural Notebook
Implement basic agent functionality	1	0 Done	0 Done	Elaboration I	Developer	0		
Implement agent interactions	2	0 Done	0 Done	Elaboration I	Developer	0		
Define and implement test cases	3	0 Done	0 Done	Elaboration I	Tester	0		
Deliver prototype capable of basic scheduling	1	0 Done	0 Done	Elaboration I	Developer	0		
Maintain[Suitable AVPP Structure]								
Complete basic design	2	1 Done	1 Done	Elaboration I	Architect	0	1	Architectural Notebook
Do detailed design	2	1 Done	1 Done	Elaboration I	Architect	0	1.5	Architectural Notebook
Select agent organisation paradigm	2	1 Done	1 Done	Elaboration I	Architect	0	1	Agent Organisation Structure
Specify self-organisation algorithm	3	1 Done	1 Done	Elaboration I	Architect	0	0.5	
Implement self-organisation algorithm	1	0 Done	0 Done	Elaboration II	Developer	0		
Define constraints on requirements as the basis for observation infrastructure	3	1 Done	1 Done	Elaboration II	Analyst	0	1.5	
Develop and perform model transformations	4	1 Done	1 Done	Elaboration II	Developer	0	0.5	
Define and implement test cases for SO-algorithm	3	0 Done	0 Done	Elaboration II	Tester	0		
Define system environment	3	1 Done	1 Done	Inception I	Architect	0	0.5	
Define interfaces to external systems	4	1 Done	1 Done	Elaboration I	Developer	0	1.5	
Maintain[High-Quality Predictions Available]								
Complete basic design for all areas	2	1 Done	1 Done	Elaboration I	Architect	0	1	Architectural Notebook
Do detailed design for all areas	1	1 Done	1 Done	Elaboration II	Architect	0	1	Architectural Notebook
Define trust model for predictions	3	1 Done	1 Done	Elaboration I	Architect	0	0.5	Trust Model
Implement basic agent functionality	2	0 Done	0 Done	Elaboration II	Developer	0		
Implement agent interactions	2	0 Done	0 Done	Elaboration II	Developer	0		
Define and implement test cases	3	0 Done	0 Done	Elaboration II	Tester	0		
Deliver prototype capable of using predictions in scheduling process	1	0 Done	0 Done	Elaboration II	Developer	0		
Maintain[Network Frequency]								
Complete basic design for all areas	3	1 Done	1 Done	Elaboration II	Architect	0	1	
Do detailed design for all areas	2	1 Done	1 Done	Construction I	Architect	0	0.5	Architectural Notebook, Sequence Diagram for Network Frequency
Implement basic agent functionality	1	0 Done	0 Done	Construction I	Developer			
Implement agent interactions	2	0 Done	0 Done	Construction I	Developer			
Define and implement test cases	3	0 Done	0 Done	Construction I	Tester			
Deliver prototype capable of full scheduling and stabilisation of network frequency	1	0 Done	0 Done	Construction I	Developer			
Define Deployment Plan	4	1 Done	1 Done	Construction I	Deployment Engineer	0	1	
Finalise Deployment Plan				Transition I	Deployment Engineer			
Define, implement, and run system tests	2	1 Done	1 Done	Construction I	Tester	0	2	
Deploy System				Transition I	Deployment Engineer			
Prepare System Documentation and Training Material	3	0 Done	0 Done	Construction I	Developer			
Provide System Documentation and Training Material				Transition I	Project Manager			
Assess Inception I	5	1 Done	1 Done	Inception I	Project Manager	0	0.5	
Assess Elaboration I	5	1 Done	1 Done	Elaboration I	Project Manager	0	0.5	
Assess Elaboration II	5	1 Done	1 Done	Elaboration II	Project Manager	0	0.5	
Assess Construction I	5	1 Done	1 Done	Construction I	Project Manager	0	0.5	
Assess Transition I				Transition I	Project Manager			
Hours worked Inception	10.5							
Hours worked Elaboration I	10.5							
Hours worked Elaboration II	4.5							
Hours worked in Construction I	4							