Autonomous Power Management

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

Assess Inception I	5	1	Done	Inception I	Project Manager	0	0.5
Assess Elaboration I	5	1	Done	Elaboration I	Project Manager	0	0.5
Assess Elaboration II	5	1	Done	Elaboration II	Project Manager	0	0.5
Assess Construction I				Construction I	Project Manager		
Assess Transition I				Transition I	Project Manager		

Hours worked Inception	10.5
Hours worked Elaboration I	10.5
Hours worked Elaboration II	4.5

Risk List
Model