

Table 1

Item	Responsible	Comments		
Eclipse process	Marco/Jerker	Process Started		
Demonstrations at ICPS in Tampere,	Peter/Ulf/Markus/...	Hans Management tool integration to Markus and Ulfs team.		
Arrowhead Tools demos	Mats	Some 20 demos confirmed		
Architecture and implementation updates	Jerker	New group to be started to look at architecture updates. rated to issues and suggestions being stated at GitHub and slack.		
Solution engineering	Emanuel/Gabor			
- Kalix Library	Emanuel	Presentation available at meeting folder. Clear connection to SysML and code generation		
- evopro Arrowhead adopters	Balint	Presentation available at meeting folder. Library for integration of legacy systems and for high level configuration of SoS.		
Released Core Systems				
ServiceRegistry v4.1.3	AITIA			
- MQTT and CoAP interface	Jens/Pablo			
- DNS-SD	Jens			
Authorisation v4.1.3	AITIA			
Orchestration v4.1.3	AITIA			
Gatekeeper v4.1	AITIA			
Gateway v4.1	AITIA			
Management Tool	AITIA			
EventHandler v4.1.3	AITIA			
Choreography system	AITIA	Almost ready for final testing.		
QoS v4.1	AITIA	Is going through final testing.		
Documentation in GitHub	Jerker/Szvetlin	Updated documentation provided by Szvetlin, Jerker to review.		
Updates release candidates				
DataManager	Jens/Jerker/Jonny	Code review, 2-3 minor issues found. Will be ready for release in 1-2 weeks		
Translator	Pablo/Jerker/Jonny	Soon to go to review to Szvetlin		
FiWare interoperability	Pablo/Jerker/Jonny			
CertificateAuthority	Gabor/Ani/Silia	Krustof is waiting for pull request by Szvetlin.		
WorkflowManager	Jaime	Demo in Productive4.0. Meeting with Jan and Fischer technique demo. Interaction with Contract Proxy is planed.		
SystemRegistry	Ani	In review process by Szvetlin, Release time line end April.		
DeviceRegistry	Silia	In review process by Szvetlin, Release time line end April.		
Onboarding	Ani/Silia	In review process by Szvetlin, Release time line end April.		
PLC integration IEC 61499	Jose/Kirill	No updates		
Open API formalisation	Michele	Meeting on Thursday with Geza Thursday April 16.		
OPC-UA	Fortis/LTU	No updates		
BaSyS interoperability	Markus	No updates		
Test-tool	Hans	Test tool focus. Internal demonstration today. Design review on the GUI on Thursday.		
Sandboxing tool	Hans			
Python Skeletons	Jacob	Code on GitHub. Updates in early May. Presnrntion in May meeting.		
Updates to prototypes				
ESB-CPN	Felix	Prototype is ready. Integration to Productive demos is being analysed.		
PlantDescription	Olov/Johan	Working prototype by June. Aligment with core system functionality and development.		
Configuration	Javad	No updates		
Engineering tool for legacy adapters	Mario			
Datastructure Editor	Mario			
Device description editor	Mario			
Code generator	Mario			
Consumer code generation	Cristina	Code germination system as a first draft by end of April. Planing for introduction of the security part.		
Exchange network/ContractProxy	Ulf/Emanuel	Prototype ready by next week.		
SafetyManager	Mirren/Daniela	No updates. Working on safety scenarions		
Autonomic orchestration/ configuration	An	Meeting with Jan to integrate the Fischer technique plant to see how semantic policy can be used to describe the workflow. Work with Jamie already opened.		
Security mitigation tool	Silia	Review of prototype tailored for WP8 use case.		
Security standard compliancy	Ani	Prototype working. Arrowhead adaptation. Paper accepted in Int. journal of Sensors.		
Translation - sermantics	Jacob	Meeting with An and Jan.		
ModbusTCP,	Ireneus	No updates		
SysML 2	Oystein/Geza			
SysML models/library/profile	Jerker/Geza	Demo i Milan meeting. Simple exporter and documentation. SysML working group		
Hono, Hawkbit, Ditto	Johannes/Sven	Prototypes working at Bosch.		
Kura & Kapua	Paolo	No updates		
Updates on engineering tools				
Engineering process	Jan/Gianvito	No updates		
Engineering tool chain	Marek/Federico	No updates		
Engineering tools	Hans/Pal	Determining Tool demos for Milan meeting		
Updates on training				
Training planing	Mathew/Mats	No updates		
Training HW,SW, littérature	Mathew/Mats	No updates		
Applications				
Semi conductor equipment integration	Francois + Mark, Agileo	No updates		
Zinq based accelerator of local nodes.	Jiri	Trying to abstract the HW such that SW can be easily debugged. Connected to Xylinc open source tools chain. Work with Arcelik on data acquisition an oscilloscope.		
ROS	Jan	On ice		
SysML application models				
AoB				

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Eclipse process	Marco/Jerker	Proposal submitted today.		
Demonstrations at ICPS in Tampere,	Peter/Ulf/Markus/...	Peter C: Successful integration made last week. Integration between OPC-UA PLC and Modbus PLC successful. Silia: On-boarding demo fully functional. Integration with Ulf, telco next week. Similar work on-going with Hans. Ulf: Use of ContractProxy together with several other systems in a production setting. Hans: Good integration between legacy integration, test tool and consumer code generation. Will involve the ContractProxy system. Jiri: Integrating with Turkey partners. Zinq device integrated with Arrowhead Framework.		
Arrowhead Tools demos	Mats	Request for input to the Milan meeting. Please respond to Mats regarding demo description.		
Solution engineering	Emanuell/Gabor	Simplifying a programmers work using Arrowhead Framework platform. 15+15 minutes for next bi-weekly.		
Released Core Systems				
ServiceRegistry v4.1.3	AITIA			
- MQTT and CoAP interface	Jens/Pablo	First release checking is made waiting ofr filan updates.		
- DNS-SD	Jens			
Authorisation v4.1.3	AITIA			
Orchestration v4.1.3	AITIA			
Gatekeeper v4.1	AITIA			
Gateway v4.1	AITIA			
Management Tool	AITIA			
EventHandler v4.1.3	AITIA			
Chorepgraphy system	AITIA	Final update before release, video made at the Eisenstadt meeting.		
QoS v4.1	AITIA	Final update before release		
Documentation in GitHub	Jerker/Szvetlin	Jerker to check updates from Szvetlin		
Updates release candidates				
DataManager	Jens/Jerker/Jonny			
Translator	Pablo/Jerker/Jonny	Documentation is missing		
FiWare interoperability	Pablo/Jerker/Jonny	Documentation is missing		
CertificateAuthority	Gabor/Ani/Silia	Bug fixing. Develop certificate management service in progress. Time line second half of April.		
WorkflowManager	Jaime	Integration with Fischer teknik plant. Time line for release is end of.		
ESB-CPN	Felix	Move to prototype		
SystemRegistry	Ani	No update, ready to move to release procedure.		
DeviceRegistry	Silia	No update, ready to move to release procedure.		
Onboarding	Ani/Silia	No update, ready to move to release procedure.		
PLC integration IEC 61499	Jose/Kirill	Working on demo. Paper to Tampere + video on the demo. Demo at EclipseCon.		
Open API formalisation	Michele			
OPC-UA	Fortis/LTU	No update		
BaSyS interoperability	Markus	No update		
Test-tool	Hans	Interface integration with the back end. Time line for demo and presentation in May.		
Sandboxing tool	Hans	No update		
Python Skeletons	Jacob	Move to release with Szvetlin within early May.		
Kalix and c++ library,	Gabor and Emanuell			
Updates to prototypes				
ESB-CPN	Felix			
PlantDescription	Olov/Johan	Progressing: first version will come as local. Data to come from SysML model.		
Configuration	Javad	A white paper regarding requirement configuration, from Ghofrani to Everyone: 4:25 PM https://arxiv.org/pdf/2003.13618.pdf .		
Engineering tool for legacy adapters	Mario	Cristina to get more detailed input from mario.		
Datastructure Editor	Mario	Cristina to get more detailed input from mario.		
Device description editor	Mario	Cristina to get more detailed input from mario.		
Code generator	Mario	Cristina to get more detailed input from mario.		
Consumer code generation	Cristina	Use info from demo. Code update. Debugging in progress. Reasonably robust. Performance data in progress. Interaction with Gabor and his team on C++ library.		
Exchange network/ContractProxy	Ulf/Emanuel	No update. Time plan April 17. On-line demo 22/4.		
SafetyManager	Mirren/Daniela	No update		
Autonomic orchestration/configuration	An	Meeting tomorrow regarding integration with semantic stranslation and the Fishcer technic plant at LTU (Jan & Aparajita)		
Security mitigation tool	Silia	First prototype is ready. Documentation in the works. Working on generic support		
Security standard compliancy	Ani	Integration to the information building technology. Paper accepted.		
Translation - sermantics	Jacob	Submitted paper to INES yesterday. Early test results.		
ModbusTCP,	Ireneus	No update		
SysML 2	Oystein/Geza	Presentation by Oystein at OMG meeting last week. Very essential detail of SysML2 language is stil lunder heavy discussion.		
SysML models/library/profile	Jerker/Geza	SysML 1.6 profile and library to be releases during spring.		
Hono, Hawkbit, Ditto	Johannes/Sven	Started integration of Ditto. Adjustments of Ditto to work with Arrowhead Authorisation system. All three systems working. Will be tested in an Arrowhead Tools meeting.		
Kura & Kapua	Paolo	No update		
Updates on engineering tools				
Engineering process	Jan/Gianvito	No update		
Engineering tool chain	Marek/Federico	No update		
Engineering tools	Hans/Pal	Looking for demos to the Milan meeting		
Updates on training				
Training planing	Emanuell/Mats	Telco this Thursday. Feedback on training requirements. Content for drafting the coming 6 months work.		
Training HW,SW, littérature	Emanuell/Mats	Wiki for installation and execution of Arrowhead Framework. In German for today.		
Applications				
Semi conductor equipment integration	Francois + Mark, Agileo			
Zinq based accelerator of local nodes.	Jiri			
ROS	Jan	On ice.		
SysML application models				
AoB				

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Eclipse process	Marco/Jerker	Submission this week
Demonstrations at ICPS in Tampere,	Peter/Ulf/Markus/...	Work in progress, cooperation with several use cases. C-coded clients in secure mode. VPN connection might be an issue with PLC involved. SensML semantics service exchanges is working. Working on a manufacturing story.
Solution engineering	Emanuell/Gabor	
Released Core Systems		
ServiceRegistry v4.1.3	AITIA	No update
- MQTT and CoAP interface	Jens/Pablo	No update
- DNS-SD	Jens	No update
Authorisation v4.1.3	AITIA	No update
Orchestration v4.1.3	AITIA	No update
Gatekeeper v4.1	AITIA	No update
Gateway v4.1	AITIA	No update
Management Tool	AITIA	No update
EventHandler v4.1.3	AITIA	No update
QoS v4.1	AITIA	Updates on going unit and integration test ongoing.
Documentation in GitHub	Jerker/Szvetlin	No update
Updates release candidates		
DataManager	Jens/Jerker/Jonny	No update
Translator	Pablo/Jerker/Jonny	No update
FiWare interoperability	Pablo/Jerker/Jonny	No update
CertificateAuthority	Gabor/Ani/Silia	Still waiting for final push to Svetlin
WorkFlowManager	Jaime	Refactor from scratch
ESB-CPN	Felix	No updates to be moved to prototypes
Choreography	Pal	No updates
SystemRegistry	Ani	Documentation in progress
DeviceRegistry	Silia	Documentation in progress
Onboarding	Ani/Silia	Documentation in progress
PLC integration IEC 61499	Jose/Kirill	Integration to demo. Connecting with TWT mode bus
Open API formalisation	Michele	Open API interaction with corer systems. Connect to Geza and SysML modelling.
OPC-UA	Fortis/LTU	No update. Cooperation with UzL and Infineon in progress.
BaSyS interoperability	Markus	No updates
Test-tool	Hans	No updates
Sandboxing tool	Hans	No updates
Python Skeletons	Jacob	No updates
Updates to prototypes		
PlantDescription	Olov/Johan	No updates
Configuration	Javad	No update
Engineering tool for legacy adapters	Mario	No updates
Datastructure Editor	Mario	No updates
Device description editor	Mario	No updates
Code generator	Mario	No updates
Consumer code generation	Cristina	Integration with the test tool. Mario contact with no success. Performance testing in progress.
Exchange network	Ulf/Emanuel	Focus on the Eisenstadt meeting. ForecastEngine in focus.
SafetyManager	Mirren/Daniela	No update.
Autonomic orchestration/configuration	An	No update.
Security mitigation tool	Silia	Code development + paper
Security standard compliancy	Ani	Addressing some buggs
Translation - sermantics	Jacob	Connection to Infineon/VIF and large data sets for training purposes
ModbusTCP,	Ireneus	Confident with Modbus TCP adapter. Try to publish this to github.
SysML 2	Oystein/Geza	OMG meeting next week. A SysML library will be presented next week.
SysML models/library/profile	Jerker/Geza	Providing a publishable profil in progress. Soon to be released at best next week. Code generation in progress. Export of models into the Management Tools. Update on this att the Milan meeting. Open API will tested later.
Hono and Hawkbit	Johannes/Sven	No updates
Kura & Kapua	Paolo	No updates
Updates on engineering tools		
Engineering process	Jan/Gianvito	No update.
Engineering tool chain	Marek/Federico	No update.
Engineering tools	Hans/Pal	Report on Arrowhead Tools D5.2
Updates on training		
Training planing	Emanuell/Mats	Up and running.
Training HW,SW, littérature	Emanuell/Mats	On öine meetings and training with WP9, Wp8 and WP7
Applications		
Semi conductor equipment integration	Francois + Mark, Agileo	No update
Zinq based accelerator of local nodes.	Jiri	No progress
ROS	Jan	This on ice
SysML application models		Several SysML models for WP9 use cases are in progress.
AoB		

