

# Arrowhead Framework development coordination: 171121

# Agenda

1. WP1 meeting in Lisbon, Jan 16-18, Jerker, Pedro
2. Dissemination  
ICPS - SS, Pal  
Tutorial, Jerker  
INDIN?
3. Requirements, Oystein, 30 min
4. Mandatory core systems, v4.0  
ServiceRegistry, Jerker  
Authorisation, Jens  
Orchestration, Csaba
6. Support core systems  
PlantDescription, Simon  
Configuration, Emanuel  
SystemRegistry, Ani  
DeviceRegistry, Silia  
Historian, Jens  
EventHandler, Michelle  
QoS, Michele  
Gatekeeper and Gateway, Csaba  
Translator, Hasan

# Agenda

7. Core system integration coordination,  
Translator, Historian, ...Hasan,
8. Proposals for additional support core systems  
ModbusTCP integration, Christian  
Engineering tool for legacy adapters, Mario  
PLC integration, Alios  
Gateway service, Csaba 10-15 min  
Smart Service Contract, Christian/Ulf  
Self adaptability, Markus  
SafetyManager, Simon
9. Docker containers, Fernando
10. AoB

# MoM

In Arrowhead Framework wiki, git repository

9\_Meetings/Core\_system\_development/171121/  
AF\_development\_coordination\_171121.xlsx

# WP1 Architecture workshop

180116-180118  
Lisbon, Portugal

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## WS objective

Specifications of ICT architecture addressing Productive4.0 requirements regarding optimised supply chain management covering the entire product lifecycle

Requirements D1.2

Defined core services and implementation status

Dissemination to WP2-5

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# Agenda draft v0.3

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# Agenda

Day 1 - Tuesday Jan 16

8.15 Registration

8.30 Welcome, Pedro Malo and Jerker Delsing

8.45 Architecture requirements, Oystein Haugen

D1.2 presentation, focus on requirements from WP2-5,8,9

10.00 Break up session 3-6 groups (6-8 persons) – including coffee

Defined architecture components

Major gaps compared to requirements and global objective

12.30 Reporting on group findings

13.00 Lunch



# Agenda

Day 1 - Tuesday Jan 16

14.00 Demo session, Fredrik/Jerker

1. Mandatory core services, v4.0,
  1. ServiceRegistry: Jerker, Erik
  2. Orchestration: Csaba
  3. Authorisation: Jens, Kiran
2. Support core services
  1. Historian, Jens/Hasan
  2. Translation, Hasan
  3. QoS, Michelle
  4. Eventhandler, Michelle
  5. Gatekeeper, Csaba/Pal
  6. Gateway, Csaba
  7. PlantDescription, Simon
  8. Configuration, Simon
  9. SystemRegistry, Device Registry, Ani/Silia
  10. On-boarding of a device to a local cloud, Ani, Silia, Csaba
  11. SmartServiceAgreement, Ulf/Emanuel
  12. Docker containers, Fernando

17.30 Core system status summary and demos in March, Jerker

## Agenda

Day 1 - Tuesday Jan 16 (Social event)

TBD

# Agenda

Day 2 - Wednesday Jan. 17

8.15 Registration

8.30 Core system: internal dissemination and next step, Jerker/Fredrik  
Objectives for June WS

10.00 Coffe

10.30 Break out TECH sessions  
On-boarding, DeviceRegistry, SystemRegistry, ServiceRegistry, Ani/Silia  
Historian, EventHandler, Translation, Hasan  
Modbus TCP and tools for Legacy integration, Mario and Alois

13.00 Lunch

14.00 Break TECH sessions  
PlantDescription, Configuration, Simon/Jan  
11 Smart Service Agreement, Ulf  
Authorisation, Jens/Kiran

# Agenda

Day 2 - Wednesday Jan. 17

15.30 Coffe

16.00 Break out reporting

16.30 Dissemination

- IEEE ICPS, SS and Tutorial

- IEEE INDIN

- IEEE ETFA

- IEEE IECON

16.30 Standardisation, Erwin S

# Agenda

Day 3 - Thursday Jan. 18 WP2-5 invited

8.15 Registration

8.30 Welcome and objective for the day, Jerker and Fredrik

8.35 Architecture requirements, Oystein

9.20 WP7 interest and usage of the architecture

9.40 WP2 interest and usage of the architecture

10.00 Coffee

10.30 WP3 interest and usage of the architecture

10.50 WP4 interest and usage of the architecture

11.10 WP5 interest and usage of the architecture



# Agenda

Day 3 - Thursday Jan. 18

11.30 WP6 interest of architecture and technology integration for standardisation

11.50 Introduction to architecture and demos, Jerker/Jan/Fernando

In parallel: WP1 TECH break-out sessions, Fredrik  
XXX Topics

13.00 Lunch

14.00 Architecture industrial usage and engineering savings, Erik Karlsson, BnearIT

14.30 Usage of architecture, T1.1 project internal dissemination/education

15.00 Joint demonstrations at Productive4.0 project conference March

15.30 Closing of workshop

16.00 PMT meeting

# Agenda

Day 4 - Friday Jan. 19

8.00 PMT

10.00 Coffee

10.30 PMT

13.00 Closing

# Dissemination at IEEE ICPS 2018, St Petersburg

Special session

Pal

Tutorial

Jerker and Fredrik

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