

JRA4 – Technology & Services Testing

**ME proxying for Martin Mogensen
DANTE**

Purpose of JRA4

To build a distributed testbed in support of:

1. Other GN2 activities
2. Other FP6 projects
3. Technology testing

WI 1 - Support GN2 activities

- Facilitate test requests of JRA's and SA's
- Allow development of future GN2 services
- Testbed will be connected to NREN test facilities to allow interdomain testing

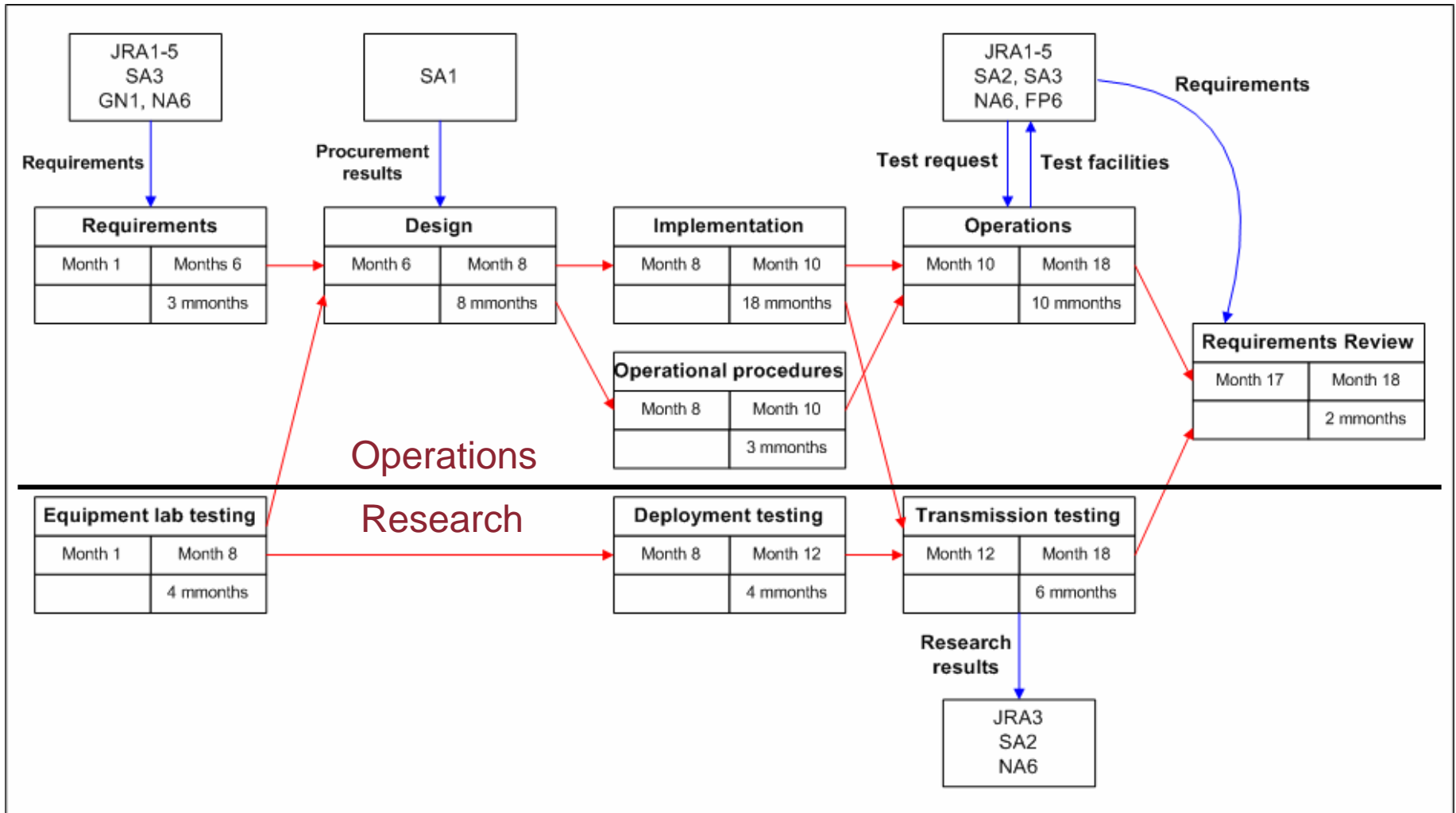
WI 1 - Support FP6 projects

- Facilitate test requests of FP6 projects
- FP6 equipment can be placed in GN2 PoPs where space is available
- JRA4 will report on testbed usage for FP6 projects
- Led by DANTE

WI 2 - Technology testing

- Facilitate cooperation of NRENs
- New technology as suggested by NA6
- Testing focus on: *OEO, DWDM, CWDM, 40 GE, increasing distances operating dark fiber...*
- Gaining more experience with network technologies not currently used in research networking

PERT chart – first 18 months



Resources

- Requirements, design, operational procedures (15 PM total)
- Implementation (18 PM total)
- Operations, including support to GN2 JRAs/SAs and FP6 projects (40 PM total)
- Own research activities (40 PM total)
- Requirements review every 12 months (6 PM total)
- Manpower needed: 119 PM total / 41 PM (M1-18)
- Participants for each WI drawn from:
DANTE, CESNET, GARR, GRNET, HUNGARNET, PSNC, RedIRIS, RENATER, RoEduNet
- Expected MP claim: €126k (M1-18)
- Equipment and connectivity budget: €2.6M