

Current status FRR-A project

- LFC/FRR-A is performing its task of reducing minutes outside the 49.9-50.1Hz band, with limited number of issues in 2015
- FRR-A suppliers in Dk1, Finland (5), Norway (6), Sweden (2)
→ *still increasing, supplier Dk2 will come in autumn 2015*
- Final technical issues being resolved:
 - Implementation of 'non availability alarms' in SCADA of Energinet.dk (by March), Fingrid, Svk (by July)
 - Removal of limitation of delivery from DK1 via Storebaelt being tested, results expected end March 2015
 - *New issue:* LFC does not seem to activate all thermal FRR-A capacity at all times → *being studied*
- *Handing over of the project to NOG being prepared*

Weekly back-office activities

i.e. Gul vakt (Svk) and O-vakt (Statnett)

Daily back-office activities

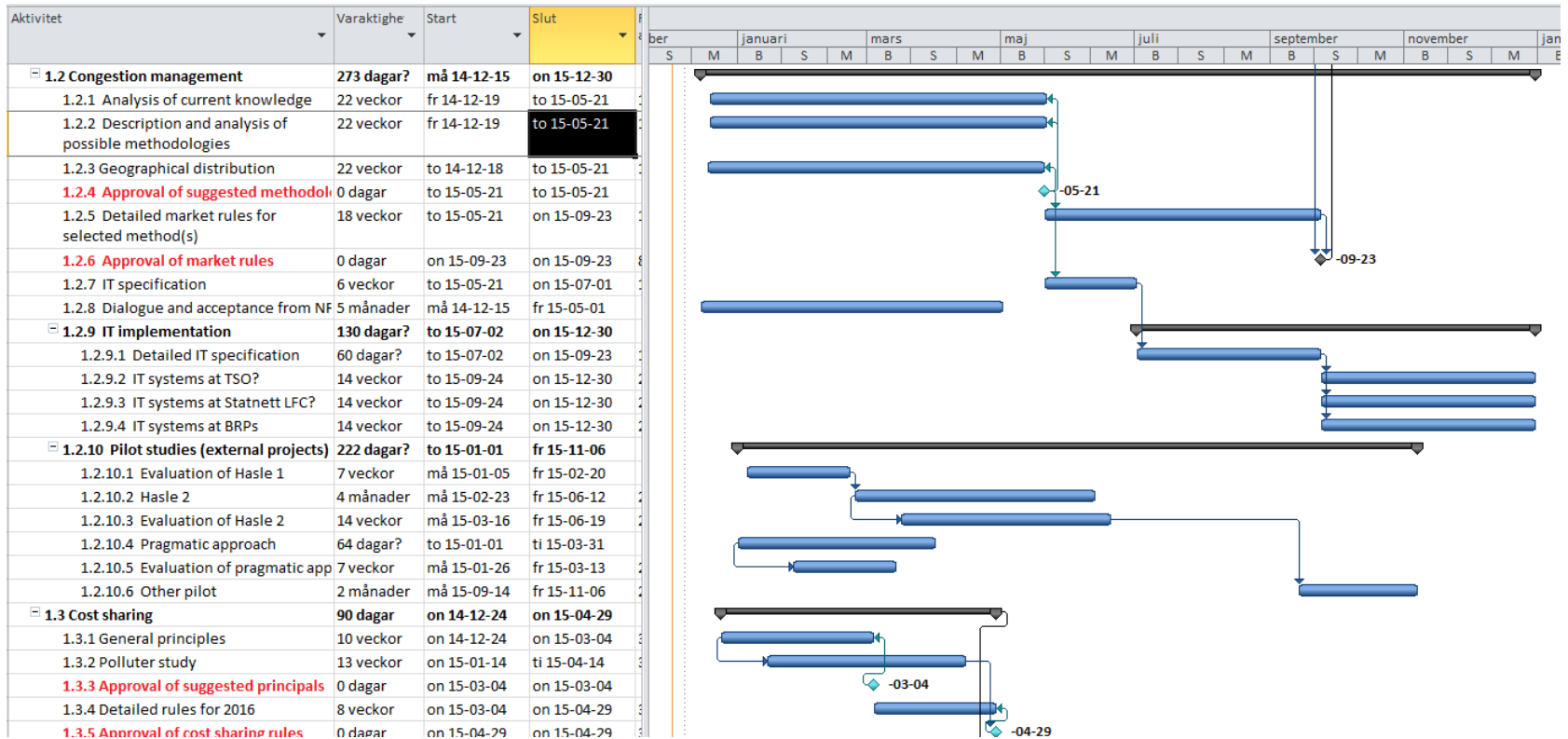
i.e. Gul vakt (Svk) and O-vakt (Statnett)

Daily activities at control center

for hours that FRR-A is contracted

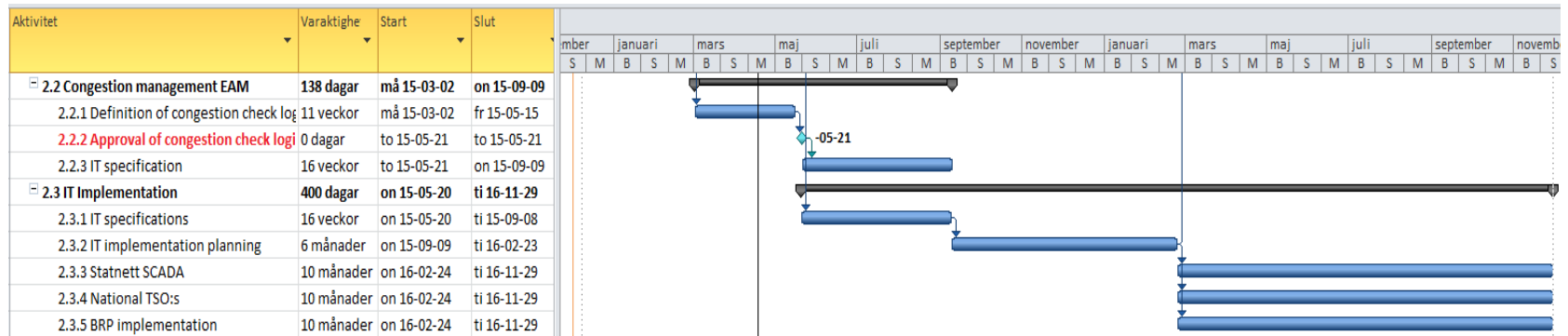
Congestion Management for Capacity Markets

Planning proposed by program manager



Congestion Management for Energy Activation markets

Planning proposed by program manager



Några andra viktiga datum.....

- FRRa MD: Gemensam Nordisk kapacitets upphandlings plattform under 2016
- FRRa TG: Energiavropsmarknad med manuell överlast kontroll hösten 2016
- FRRa TG: Energiavropsmarknad med automatisk överlast kontroll hösten 2017