

**Protocol 6. Meeting Di, 10.12.10 11.00 – 12.00**

**Participants:** Udo, Ludwig, Harald, Solveigh, Alex(Protokoll), Günter, Susi, Jutta, Ralf

**# 6.2 Event Connection**

- Will not be "generally supported"
- If needed for a specific class, the class developer is able to implement the service using a custom event source.

**# 6.4 Use cases - event subscription**

- three use-cases to show the possible need of event-subscription where presented by Günter, Susi, Jutta and Ralf (UseCasesEventSubscription.odt)
- The first use-case shows the problems of "subscription to multiple measurements in a cycle".
  - We agreed that this use-case can be covered within the Fesa subscription mechanism. ( field[or property] per measurement. "Collector"-Property, which is notified after the last measurement in a cycle.)
- The second and the third use-case show two problems:
  1. "Problem to correlate data of a periodic and a event based measurement"
    - Should this aspect (Correlation of Data) be job of the FE-systems?
    - Jutta and me(Alex) will ask our CERN-contact how this problem is solved @ CERN
    - One could think about a property which returns a measurement values which is close to a given timestamp(as filter)
    - The FE-Intergartion Team will investigate how a solution for that problem could look like.
  2. "A subscriber to a Fesa class does not know how long he/she should wait for the data." E.g. When a timeout should be triggered. This can be crucial especially if a cycle(supercycle) takes 20min to finish and the GUI has no knowledge about that.
    - The current system as well has to know how long it should wait, until data of an event-subscription is returned (by a reply handler)
    - Again the problem is coupled with periodic actions. So I guess a solution for (1.) would also solve (2.)
    - The FE-Intergartion Team will investigate how a solution for that problem could look like.