

AB/CO PS Complex Exploitation Scenarios

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Present situation

- # The exploitation service provided has degraded considerably since end 2003 beginning 2004.
 - Very useful diagnostic tools are or will not be working and are or will not be supported anymore (e.g. TimDiag, Eqp survey, passerelle, Alarm tree,....).
 - Responsibility for certain equipments have changed and the Piquet Control will not be able to intervene anymore or is not even aware of the change (e.g. FESA for BDI equipments).
 - Piquet Control has many other (high priority) responsibilities and therefore he can only be present in the control room when he is called for a problem. No courtesy visits anymore.
 - Modifications to the control system in view of LHC are made without informing the control room. On several occasions these changes also severely affected the running injector(s).

We ask for:

(1)

High performance piquet service (24/24 and 7/7)

- On all controls related installations. (define boundaries !!!)
- Well trained staff with not too many high priority secondary tasks.
- Often present in the control room, even if there is no problem yet. Preventing a problem is better than curing a problem.
- Double the service during start-ups (certainly in 2006).
- Actually: like we had before 2003 / 2004

Good and well maintained common diagnostic tools

- Revive the old but very useful tools
- Develop new tools in close collaboration with OP. Quick and simple, but "Do not throw away your old shoes before you have new ones"
- Investing in good tools will in return reduce the number of piquet call outs and increase the machine performance.

We ask for:

(2)

Efficient communication

- Control room should be informed when interventions will be made on the control system, even when they are supposed to be transparent.
- It is important for OP to have **feedback** on progress and solutions.
- Give regular updates on changes for OP (E-mail newsletter with actions and their milestones)
- When new systems are **required by OP**, involve them in the definition and perhaps development (e.g. Alarm tree)

We ask for:

(3)

Support

- Many, if not the majority of the applications are developed by operators.
- They need **support** and **strong guide lines** (like in the time of 'Frame 3' and 'PSUIMX')
- Applications that are made according to these guide lines should be **co-maintained** by CO. (e.g. ISOLDE applications)
- **Stable development environment** should be provided
- Impact of changes on basic components should be evaluated for all running applications before implementing them.

Conclusions

- # High Performance Piquet service is required (24/24 and 7/7).
- # Diagnostic tools need to be revived or developed in close collaboration with OP.
- # Re-enforce the communication with the control room.
- # Provide support and guide lines for OP software developers
- # Clear definition of action area and responsibilities for piquet service should be established

Heavy focus on LHC is necessary, but LHC will not work without the injectors !!!