CT/MTE reconfiguration

TCM 26/08/2019

Luis CORALEJO
Overview

• CT Control Modification – EDS Status
• CT Control Modification – EC Status
• CT Budget status
CT Control Modification – EDS Status

- Install new vacuum chamber at the place BFA 21 kicker magnet – Will be installed on week 36.
- Completely dis-assemble SEH 31 septum magnet - Done in January 2019.
- Install new vacuum chamber at the place SEH 31 Septum magnet - Done in January 2019.
- Completely dis-assemble PE.BSW31.27 and PE.BSW31.35 - Done in January 2019.
- Re-configure CT/MTE (Plan10743) – On going.
CT Control Modification – EC Status (E. CARLIER)

• CCR released (https://edms.cern.ch/document/2028127/2)

• Control modification ongoing on 65274 (PS-EXPL)
  • Timing reconfiguration completed
  • Slow control reconfiguration completed
  • Software reconfiguration planned for W40-48 (TTE)

• Activity On-Hold (not informed of budget availability)
  • Control upgrade for acquisition of addition temperature sensors
  • Consolidation of BFA9P and DFA242 (old NSG) fast protection
  • Replacement CCU
## CT Control Modification – Budget (E. CARLIER)

<table>
<thead>
<tr>
<th>Description</th>
<th>[kCHF]</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Timing &amp; Slow control hardware reconfiguration</td>
<td>15</td>
<td>Charged on 65274</td>
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<tr>
<td>Slow control software reconfiguration</td>
<td>15</td>
<td>TTE (Charged on 65274)</td>
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<tr>
<td>Control upgrade (additional sensors)</td>
<td>20</td>
<td>Cabling, hardware, FSU</td>
</tr>
<tr>
<td>Fast protection upgrade</td>
<td>15</td>
<td>FIDS</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>65</strong></td>
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TID to be done for 65220

To be charged in For 2020 on 65220?
CT budget status - 65220

- Budget allocation initially made: **30KCHF** for **50kCHF**.
- 65220 – 2019 = **17kCHF** committed + **30KCHF** to be returned to 65274 (PS complex Electronics and Controls).
- EC budget still needed **35kCHF** -> Previous slide from Etienne
- Next year APT request was 130kCHF, but only **77kCHF** allocated.
- Cut 130kCHF to 77kCHF acceptable as **35kCHF** only needed for EC (PT100 + FIDS) and 5kCHF for EDS would be vacuum pipes supports BFA21 drilling (EN-ACE-COS),
- **37kCHF** left for ?:
  - B359 gen leak trays => 15kCHF-20kCHF (no more Polychem budget – F. Castronuovo)
  - TTE => layout B359 + lifecycle = 6 kCHF