HEC Status Report

LARG Meeting 27.5.2000

Content

- Status of Module Production
- Technical Run Feb.2000
- Testbeam MC
- Combined Run EMEC-HEC

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Module Production
- 1 -

- **Procurement of raw CU plate**
  - Generally normal rate of procurement.
  - Major order to Chinese industry for 50 mm raw plates.
  - Open financial questions in Russia concerning 50 mm plates. **Critical path**.

- **Machining of CU plates**
  - Commissionned production facilities at Dubna and Protvino.
  - 25 mm plates for FRONT:
    - Alberta continues with excellent speed.
      Will be finished in July.
    - Major setback in Dubna:
      Workshop stopped work on HEC plates. Will restart soon. However, requested speed of 1 module / month will not be reached.

==> Try to activate another machining site under Dubna responsibility.

Module Production
- 2 -

- 50 mm plates for REAR:
  - Protvino workshop continues at normal speed.
  - Molniya stopped after completion of six modules.

    Good news: **New ISTC project accepted for machining of 7 REAR modules**.
  - Alberta will start machining 50 mm plates in September.

- **PAD boards**:
  - Mainz / TRIUMF progressing well.

- **EST boards**
  - LPI now in full production.

    High speed (200 boards / mo) with high efficiency (> 98 %)
  - TRIUMF in production.
  - Final inspection of EST boards after testbeam in June.

Module Production
- 3 -

- **Module cabling and distribution boards**
  - Signal and calibration chain:
    Constant high production rate maintained.
    Will finish by fall 2000.
  - HV chain:
    Some delay.
    Complete delivery expected for end 2000.

- **Module assembly**
  - Four sites in production:
    Dubna, Munich, Protvino, TRIUMF
  - All sites commissionned now.
  - Typical speed of assembly: 2 modules / mo. / lab

==> Module assembly should not be a bottleneck.

Module Production
- 4 -

- **Module cold test**
  - Cold test procedure agreed upon
  - Rate of testing: 4 modules / load, 1 load / mo.
  - Complete schedule established.

    With aggressive assumptions the final tests will be done by October 2003.

==> Cold tests will determine the speed of wheel assembly and EC integration.

- **PSB Boards**
  - First batch (139 boards) produced and fully QC tested.
  - Second batch in production.