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CRP Anode weekly meeting

- **Option A Tendering**

→ Tecnomec : samples are produced and being inspected by the company, shipment to CERN end of this week (most likely) → inspection at CERN will be planned as soon as we have the shipment confirmation (visual inspection & metrology)

→ Other companies (Eltos, PCIESSE, ICAPE) : no news from Nordine, yet

→ Alba: concerned about the small amount of holes on prototypes (not representative of the final process) → proposed to make one extra panel drilling the entire active area → need to confirm the timeline.

- **Option A Chaosheng (replacement segments)**

→ No news: performing additional QC checks using the 3D scanner, will be shipped after option B PCBs are completed. Shipment can be taken care of by IHEP.

- **Option B Prototype**

→ Manufacturing process summary:
https://docs.google.com/presentation/d/1gGyiPhy7Wx3WHH6ECrkiir2raGdhO_tsXJ6c1bccFZA/edit?usp=sharing

→ **Chaosheng:** good progress with the segment production, most probably ready for shipment to CERN on June 13. Then transported by CERN to MDT.

→ **MDT:** Manufacturing process was clarified with the company, proposal to conduct pressing step under vacuum to prevent formation of air bubbles → will send an offer in the coming days with an estimation of the production rate.

→ **Impex:** Rui is producing the SM3 file requested by Impex → quote will follow soon after. Only 2.4 mm drilling in the current manufacturing scenario.

→ **CERN:** procedures and tooling for detaching the anode area and performing final cleaning are being investigated. Good progress with the design of the automated QC table → options/offers will be shared in the coming weeks (after feedback from the main supplier).

→ **Expected scenario:**

- Segments shipped from Chaosheng on June 13
- Segments at MDT by the end of June
- Panels at Impex by mid-July
- Anodes at CERN by the end of July
- Option B CRP ready for cold box testing by the end of August

⊕ Mass production (draft) schedule: work in progress

→ Need-by-date approach

→ Important to determine the required production rate/delivery plan and **batch organization** for each anode supplier

- **Option C Prototype**

→ Benoit finished the drawings (now being updated with peripheral area to match the option B envelop)

→ Tools arrive at GOS in mid-June