

## Cabling Discussion, 25-Feb-2014

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**Present:** Gael Girardot, Bernd, Massi, Plamen

- Discussion of the BE/BI cables only
  - Gael is in contact with TE/VSC and follows the procedure with them
- Foreseen period for the work on the BGV cabling: from 15/04 to 15/05 2014
  - Includes cable pulling, connection, and tests
  - Already present in the EN/EL planning
  - Exactly as we agreed before (given in the BGV ECR)
- **Task1 (Gael, Plamen++)**: 2 weeks before the start of the installation: go to the tunnel and mark the start and end points (white tape)
- Delivery of the cables from the BGV team to EN/EL
  - We should contact Marten Frans (tbc) and deliver the cables to him
  - Each cable should be marked upon delivery
  - Deadline: around 1<sup>st</sup> April (15<sup>th</sup> April at the latest ...)
- It is possible to deliver cables non-cut (cutting will be performed during installation)
  - Relevant to the cables which will have no connectors (but connect to a screw terminal)
- Definition of extremity points
  - At the BGV rack (UA43)
    - \* The cables come from the top of the rack and reach the specified rack height (e.g. 1U)
    - \* By default, 1 rack width + 1 rack depth (about 1 meter in total) is left as slack
    - \* **Task2 (Plamen)**: Define “1U @ BY13” as a start point for all cables
    - \* **Task3 (Plamen)**: Confirm with Raymond what length he wants in addition
  - At the BGV itself (LHC tunnel, RA43)
    - \* As we don't have any equipment yet, the end point is defined by the DCUM (the exact point is on the floor, on the red line between the 2 beam pipes)
- Procedure for the installation of the pre-cut cables
  - Start from the rack, leaving the specified slack
  - Then pull to the other end ==> any additional slack goes to the BGV end
- Mentioned also the uncertainty about the length of the control cables (MCB36)
  - Currently in the demand we have 18 cables with length of 30 m (9 lines with an electronics create in the middle)
    - \* part1: from the rack to the start of the connection tunnel
    - \* part2: from the start of the connection tunnel to the BGV
  - Currently investigating if this splitting is necessary
    - \* **Task4 (Massi)**: If not – notify Gael and update the DIC
- **Task5 (Plamen)**: Update the DIC (put the new info in red) and provide to Gael

## **Task List:**

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**Task1 (Gael, Plamen++):** 2 weeks before the start of the installation: go to the tunnel and mark the start and end points (white tape)

**Task2 (Plamen):** Define “1U @ BY13” as a start point for all cables

**Task3 (Plamen):** Confirm with Raymond what length he wants in addition

**Task4 (Massi):** If not – notify Gael and update the DIC

**Task5 (Plamen):** Update the DIC (put the new info in red) and provide to Gael