



**East Area Renovation
Project Team Meeting #28
Minutes**

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East Area Renovation Project Team Meeting #28 Minutes

10/5/2019

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ATTENDEES LIST:

Name	Affiliation
Evrard, S.	EN-EA
Harrouch, E.	EN-EA
Lazzaroni, M.	EN-EA
Ebn Rahmoun, A.	EN-EA
Carlsen, B.	EN-EA
Grenier-Boley, E.	EN-STI
Brouard, C.	SMB-SE
Sanchez-Corral, E.	BE-ICS
Brethoux, D.	EN-EA
Romagnoli, G.	EN-EA
Renedo Anglada, J.	TE-MSA
Navarro, G.	TE-EPC
Dragoni, F.	EN-CV
Van Dijk, M.	EN-EA
Gatignon, L.	EN-EA
Kristic, R.	EP-DT
Desmarest, A.	EP-DI
Wilhelm, L.	EN-SMM
Polenghi, M.	EN-EL
Andre, LF.	BE-ASR

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<https://indico.cern.ch/event/811617/>

1 NEWS S. Evrard

- IPAC conf in Melbourne this month <https://ipac19.org/> : 3 posters contributions for the East Area Renovation
- TDR: green light to publish it as a CERN yellow report
- First internal technical review on EN-EA deliverables
- Presentation of Louis-Frederic Andre as BE-ASR new safety person
- Budget: as foreseen
- Planning: ok, delay from roof renovation and advance from 251 dismantling

2 TDR STATUS E. Harrouch

Presentation structure TDR, good number of contribution from people, last contributions expected during this month → **last deadline for missing contributions is 7th of June!**

3 CIVIL ENGINEERING ACTIVITIES STATUS C. Brouard

Two code A2 done: 1 on asbestos B251 and 1 on infiltration water B157

Water infiltration from rain in bldg. 157. Fire brigade was called for water on naked cables! Control procedure set up to assure these kind of problems won't happen again: every day there is a person coming to check the status of the plastic cover against rain

North facade is finished. South façade, dismantling next Tuesday scaffolding. Asbestos removal finished.

Dismantling roof starting next week: 4 phases of work...looking at meteo! If the is rain there is no dismantling! All responsible of buildings have been informed, in all zones of work is strictly forbidden the *sur vol de charge!* Because they are passage zones.

HSE asked automatic opening of doors in case of fire → meeting in coming days to decide

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Finishing 2 august the roof works with final delivery after commission 30 august.

4 FEEDBACKS FROM WORKSITES AND COORDINATION MEETINGS A. Ebn Rahmoun

251: removed all power converters and ready to start remove metallic structure

352: beam instrumentation has been removed, 2 magnets remaining foreseen end of month (renting rulers because the crane is 25t, but we will use it with 30t exceptionally), CV dismantling water pipes

Shielding relocation near dose limits → work finished

157: roof removal steel blocks on going, supports sent to EHN1 to be recovered, F61 MCBV is radioactive, it cannot be sent to Preveessin (5-10 microSv, inside some points at 700micro)

Work during night for “platelage” removal from SMB, because crane is needed for primary line dismantling. Fan installation from CV on the roof, also crane needed → meeting to organize crane utilization.

5 INTEGRATION: UPDATE D. Brethoux

Magnets relocation on F61 for vacuum needs (bellows), no vacuum on F63 and F6D, relocations of magnets on F62. Lines T08 T09 T10 T11 still under study the modifications for vacuum needs

Shielding modifications in 352: more shielding around MCB between T08 and F62, big wall between 352 and 157 still under study

Roof shielding under study according to RP, weakness point shielding next to CV platform for radiation starting from target need of iron blocks on the wall

Magnets supports fixed ones on going, Q74 integration model from PS not up to date, modification needed. Beam support of F61 need to be cut.

Modification for CLOUD asked to enlarge zone, new proposition for exit path. Regarding the emergency exit where do we put the door? Door will be part of CLOUD sectorization. Discussion needed with HSE and access people. (There could be people going up the passerelle to look at the zone).

Dump of CLOUD still RP on going but it will not impact installation of detector

Updated CV circuit on primary area

G. Romagnoli: Beam stoppers will be moved for vacuum modifications in the lines; *E. Grenier-Boley*: beam stopper support already produced but change of few mm will be ok.

6 REPORT FROM EN-EL WORK PACKAGE M. Polenghi

b.251 and b.263 removed 9 oil transformers: oil leak below with PCB found inside → invitation to tender to clean the pits, HSE people involved in the analysis

Design b.251 and b.157 almost done. Open point for the transformer for experimental zones, meeting needed to evaluate all electrical need; small transformer installed outside b.157.

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b.251 integration on going: switchboards, cable ladders installation. It could be possible to reuse the old ladders, but it is not clear how many there are. Maybe it is possible to recover 10%: dismantling is critical because the ladders are thin, on periphery wall. For the ones inside the building, there is lead in the paint so re-weld after is not ideal. Now access is difficult and there are cables and ladders not identified (cables are left there, they will not be removed). → Budget evaluation needed to decide what to do.

New company that is doing the transformers is still under evaluation. Works foreseen to start in September. Decision to remove gates in front of transformers under evaluation (maybe old equipment with leas in the paint?)

b.157 cable ladders design recently done, discussion with integration needed. They are on top of shielding walls for economic reasons (cheaper than installed on the side)

T08 and T11 design cable ladders on going. There will be one ladder layer that is doing the complete path on the shielding.

E. Sanchez-Corral: cables now present on top of external envelop of shielding of b.251 and b.157, be careful when dismounting! There are also needs for new ladders for access doors, (control cables) discussion needed with BE-ICS.

7 SAFETY ISSUES E. Harrouch

Presentation of new PSO: Louis-Frederic Andre (BE-ASR).

Primary area shielding study: meeting next week to finalize design.

Functional spec regarding doors automatic opening requested from EN-ACE (doors become safety element).

Safety Studies: ATEX design in CV hands. Study on capacitors and energy saving on going.

b.251: access to building authorized, need to respect rules!! no dust moving!!!

Work package safety review will start soon. Call of work package leaders to compile documentation and links on everything already present.

S. Evrard: profit of safety review to discuss with work package leaders of other financial issues. MTP outcome soon, for knowing if we have more budget. Generic document on going, priority and deadline to be evaluated.

8 MAKE OR BUY STATUS G. Romagnoli

Report with summary of first EA technical review.

Scaffolding needs of different groups to be evaluated and communicate in advance to EN-EA!

Priorities: production and renovation of collimators, production of XCET and mechanical supports to be started soon.

CV and EL needs on control rooms to be evaluated. Control rooms are not considered as an *external building* so they are under responsibility of EL.

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9 AOB

R. Kritic: External people working on CLOUD starting next week. CLOUD needs a storage area of 60 m² from September to end November. If area next to CLOUD is not available, they need a new place!

L-F. Andre: If you have a problem, you can contact me.

Next project team meeting date 28.06.19