

ECR/Documents for Information and Approval

Giulia Romagnoli and Natalya Kahn for BE-EA, 2024-01-16

[EA Documents - Agile Board - CERN Central Jira](#)



LIST OF DOCUMENTS for Info

FOR INFORMATION EATM				
Summary	Reporter	EA Projects	EDMS number	EDMS Status
Asset Replacement Request – LNE.BSGWA.0225	Francois Butin	AD, ELENA	3003071 - AD-B-ARR-0001	Under Approval
Beam parameters for TT20 BIDs in the framework of NA-CONS and PBC ECN3 Beam Delivery Task Force	Matthew Fraser	North Area – NACONS, HI-ECN3	2780156 - SPSX-T-ES-0004	Under Approval
Polaris Converter Family for TT21 and North Area Powering Consolidation	Ivan Josifovic	North Area – NACONS	2801702 - SPSX-R-ES-0001	Released
Consolidation of Beam Intercepting Devices (BE-EA) WP 3.2	Giulia Romagnoli	North Area – NACONS	2479267 - SPSX-T-WD-0001	Under Approval
Procedure for the Pre-tests to the Interlock of the Ventilation System before the DSO Tests in the SPS Complex	Filipa Duque Carvalho	North Area – NACONS	2791039 - SPSX-Y-PRD-0001	Released
High intensity beam to IRRAD/CHARM Thermo-mechanical Studies	Alvaro Romero Francia	East Area	2997383 - PSZ-T-EN-0001	Released
Safety File Compliance Before Operation	Filipa Duque Carvalho	East Area	2610351 - PSZ-S-SR-0014	Under Approval

LIST OF DOC for FUTURE APPROVAL

ECR INFO/FUTURE APPROVAL EATM				
Summary	Reporter	EA Projects	EDMS number	EDMS Status
HiRadMat Primary Vacuum Manifold	Anthony Harrison	HiRadMat	2958976 - HRM-V-EC-0003	Engineering check
HiRadMat New Light Screen Monitor (BTV) Installation in TNC & TT61	Nikolaos Charitonidis	HiRadMat	2954215 - HRM-B-EC-0002	Under Approval
NA-CONS Fire Safety and Access WP 5.1.3 Fire-Resistant Partition	Adem Kaymak	North Area – NACONS	3010259 - SPSX-SF-EC-0006	Engineering check
BA80 Fire Detection Equipment	Florian Andre Deperraz	North Area – NACONS	2997829 - SPSX-SF-EC-0005	Engineering check
Replacement of Big Vertical Collimator XCBV on M2 Beamline in TT84	Giulia Romagnoli	North Area - NACONS	2976670 - SPSX-TC-EC-0002	Under Approval
Consolidated XCRHV Installation in TT82 YETS 23/24	Jan Buesa Orgaz	North Area - NACONS	2961759 - SPSX-TC-EC-0001	Engineering check
Shielding Improvement for the High Intensity Hadron Operation of M2	Dipanwita Banerjee	North Area	2868386 - SPSX-J-EC-0002	Engineering check
Installation of XCET Detectors in Neutrino Platform NP02 and NP04	Giulia Romagnoli	North Area	2811758 - SPSX-X-EC-0001	Under Approval

LIST OF DOC for FUTURE APPROVAL

ECR INFO/FUTURE APPROVAL EATM				
Summary	Reporter	EA Projects	EDMS number	EDMS Status
Installation Water Cherenkov Test Experiment in Tog beamline During YETS 23-24	Dipanwita Banerjee	EA	2960989 - PSZ-J-EC-0003	Engineering check
Installation of New Test Beam Experimental Area at AD/ELENA	Maud Wehrle	AD, ELENA	2975107 - AD-LJ-EC-0026	Under Approval

LIST OF MISSING ECRS for YETS 23/24

MISSING ECRS			
Summary	Reporter	EA Projects	EDMS number
NP Platform Installation on H4	Filippo Resnati	North Area	Coming soon...
Rad-hard Profile Monitors Installation TT84	Inaki Ortega Ruiz	North Area – NACONS	3001893 – SPSX-B-EC-0005
Installation Tuyauterie BA81-TT81/Installation Baie SDI - Detection Incendie	Michael Dole	North Area – NACONS	Coming soon...

LIST OF DOCs for APPROVAL

ECR APPROVAL EATM				
Summary	Reporter	EA Projects	EDMS number	EDMS Status
Infrastructure changes in EHN ₂ for the future AMBER Proton Radius Measurement	Dipanwita Banerjee	North Area	2920068 - SPSX-J-EC-0003	Under Approval
Renovation of Gas Distribution Infrastructure for Building 887 Jura Side	David Jaillet	North Area - NACONS	2973540 - SPSX-F-EC-0005	Under Approval
Installation of New Sprinkler System in BA8o	Florian Andre Deperraz	North Area – NACONS	2930745 - SPSX-SF-EC-0004	Under Approval
User Requirements for XCED Detectors in North Area Beamlines	Anna Baratto Roldan	North Area – NACONS, Equipment	2813075 - SPSX-X-ES-0004	Under Approval
User Requirement for the XCRVH Micro-Collimator in H8 Line in North Area	Bastien Rae	Equipment	2718575 - SPSX-TC-ES-0003	Under Approval
Installation of an Improved Shielding for the F6D.TDEo18 Beam Dump	Dipanwita Banerjee	EA	2920070 - PSZ-T-EC-0002	Under Approval
Change of EXPERT NAMES for East Area Beamlines Magnets	Giulia Romagnoli	EA	2825729 - PSZ-L-EC-0001	Under Approval
Expert names for Magnets East Area Lines	Denis Gerard Cotte	EA	2271129 - PSZ-M-EN-0001	Under Approval

ECR for Approval

SPSX-J-EC-0003

Version **0.3**

By Dipanwita Banerjee

Infrastructure changes in EHN2 for the future AMBER Proton Radius Measurement

AMBER's proton radius measurement programme aims to use the M2 high-energy high-intensity muon beam on an active hydrogen target. This document summarises the infrastructure changes needed for the physics runs, the timeline of the installation and the associated costs.



Figure 2: PPE221 in EHN2 where the infrastructure will be installed.

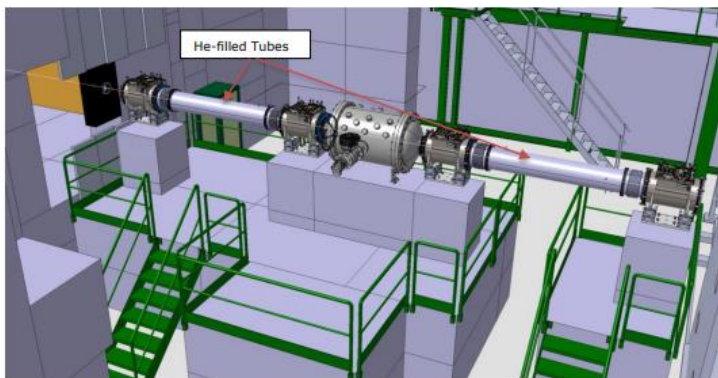


Figure 3: The TPC setup with the UTS in the target region of the spectrometer in PPE221.

The hydrogen target for the proton radius measurement is a high-pressure hydrogen-filled Time Projection Chamber (TPC). The set-up will also include Unified Tracking Stations (UTS). The recoil of the proton will be measured inside the TPC while the muon kinematics will be measured with the UTS and the forward spectrometer. To minimise muon scattering between the detectors, a set of helium-filled tubes are also needed upstream and downstream of the TPC.

The required infrastructure changes include:

- A platform to support the TPC and the UTS stations, with concrete blocks, handrails and ladders;
- Hydrogen gas connections for the TPC;
- Helium-filled tubes upstream and downstream of the TPC. They will be attached to the UTS via flexible bellows to allow alignment;
- Helium-gas connection for the tubes;
- 100 Gbit uplinks to the computer center;
- Fiber connections for the AMBER DAQ.

ECR for Approval

SPSX-J-EC-0003

Version **0.3**

By Dipanwita Banerjee

Infrastructure changes in EHN2 for the future AMBER Proton Radius Measurement

— Seen by PELLETIER Serge (EN-HE)

— Seen by GENILLON Xavier (SY-EPC)

Seen

— Seen by VEIT Benjamin Moritz (EP-UFT)

Seen

— Seen by DENISOV Oleg (EP-SME)

.

— Seen by VENDEUVRE Camille (BE-GM)

✓ Accepted by GIROD Sylvain (BE-EA)

ok

— Seen by FRIEDRICH Jan (EP-UFT)

Okay for me.

Seeking approval from EATM

ECR for Approval

SPSX-F-EC-0005
Version **0.2**

By David Jaillet

Renovation of Gas Distribution Infrastructure for Building 887 Jura Side

This document covers the renovation of the gas distribution infrastructure in EHN₁ (Building 887), Jura side.

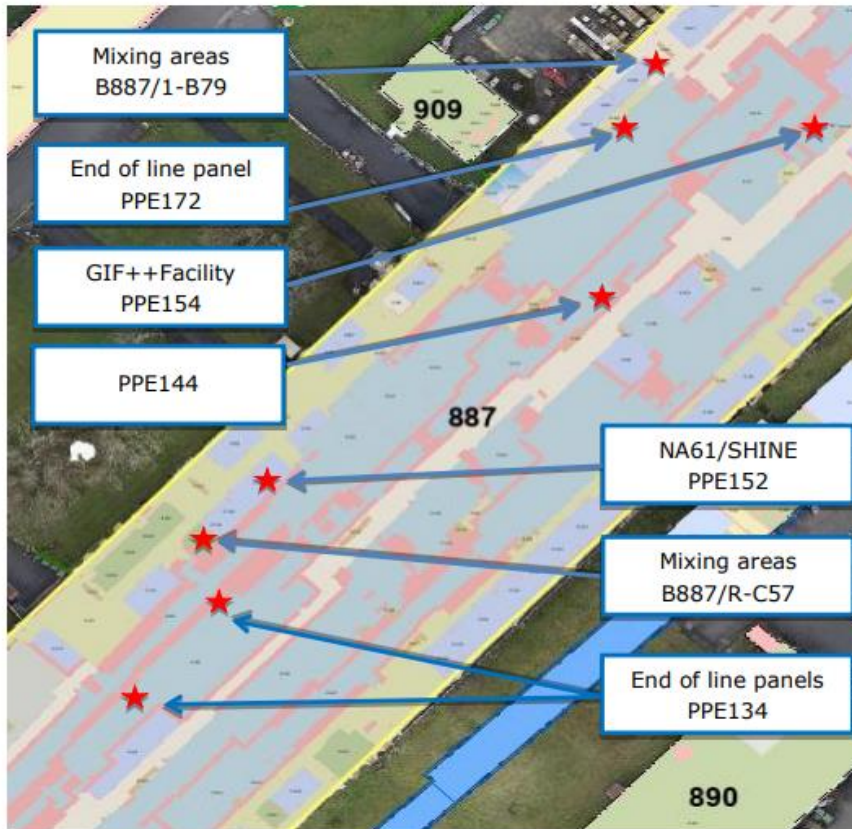


Figure 2: Overview of the gas distribution system of EHN₁ (Building 887) on the JURA side.

The renovations will involve:

- Updating the piping network from the gas buildings to the mixing areas;
- Updating the piping network from the mixing areas to the PPEs;
- Updating the ATEX-area safety criteria of the mixing areas and reducing these areas to a limited space, adding ATEX air extraction;
- Adding closed end-of-line panels in PPE134 and PPE172;
- Removing accessible flammable gas panels from the Jura wall.

The infrastructure changes include:

- Dismantling existing gas installations;
- Supply and installation of two gas mixing cabinets;
- Supply and installation of three gas end-of-line panels;
- Supply and installation of all interconnection piping between Buildings 909 and 887.

ECR for Approval

SPSX-F-EC-0005
Version **0.2**

Renovation of Gas Distribution Infrastructure for Building 887 Jura Side

By David Jaillet

➤ Seen by VAXELAIRE Didier (EN-AA)	Created on 2023-11-24, 14:35
➤ Seen by GENILLON Xavier (SY-EPC) Seen	Created on 2023-11-27, 07:39
➤ Seen by BEYNEL Alexandre (BE-GM) Seen	Created on 2023-11-27, 07:51
➤ Seen by ABERLE Frederic Lionel (HSE-RP) Thank you for taking into account my comments. Concerning my comment in §7.1: You added: "if a ζ sabre saw ζ is used, the use of a vacuum cleaner dedicated to radiologically classified areas would be mandatory." but it is in the section concerning "Alarms deactivation/activation (IS37)", but it should be in the previous section: "Fire risk/permit (IS41) (welding, grinding ζ)".	Created on 2023-11-27, 08:29
✔ Accepted by KADI Yacine (BE-EA) Thank you for the detailed ECR. Note is taken of the re-scheduling of activities to EYETS 2024/25. Please ensure that both PLAN and EYETS 2023/24 baseline schedule are updated accordingly.	Created on 2023-11-27, 09:42
➤ Seen by GULLEY Jonathan (HSE-OHS) Ok, no comments	Created on 2023-11-27, 12:06
✔ Accepted by BROCA Nicolas Michel (EN-AA) OK	Created on 2023-12-01, 08:25
✔ Accepted by EBN RAHMOUN Aboubakr (BE-EA) Ok from my side	Created on 2023-12-05, 11:25

Seeking approval from EATM



ECR for Approval

SPSX-SF-EC-0004

Version 0.2

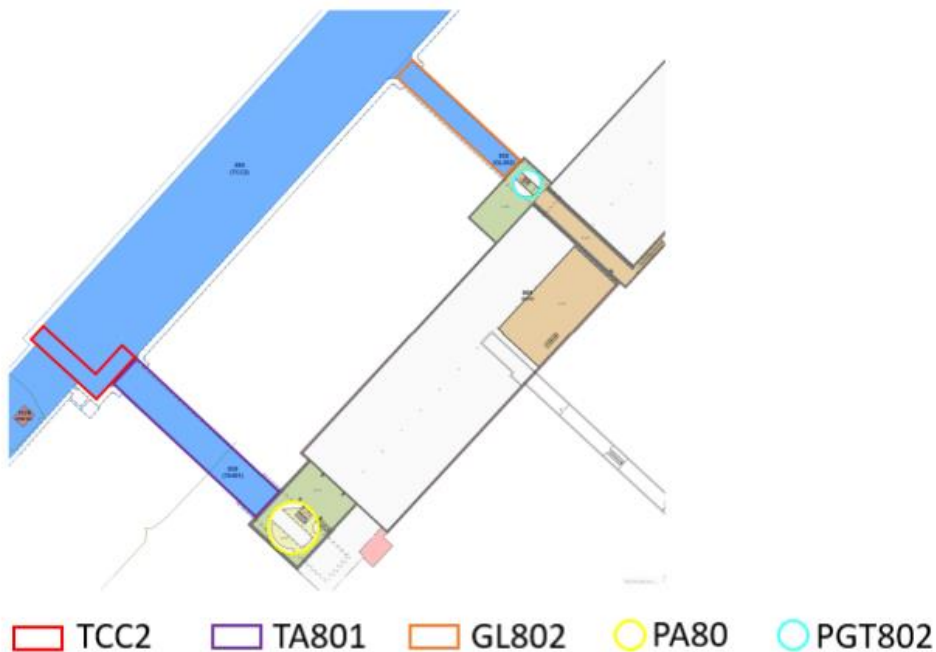
By Florian Andre Deperraz

Installation of New Sprinkler System in BA80

This document covers the installation of a sprinkler system in BA80 (shafts PA80, PGT802, TA801 and GL802) to reduce the risk of loss of life and material in the event of a fire.

Currently, the NA sprinkler system dates from the 1970s and only covers the BA80 shaft areas and PGT802 shaft. Firefighting means are also limited.

The new sprinkler system will cover new zones of the TA tunnels and perhaps the area up to the TDC2/TCC2 junction. The aim will be to maintain the integrity of the shafts and other underground structures in the event of a fire, enabling safe personnel evacuation and access for the CERN fire and rescue service.



ECR for Approval

SPSX-SF-EC-0004
Version 0.2

Installation of New Sprinkler System in BA8o

By Florian Andre Deperraz

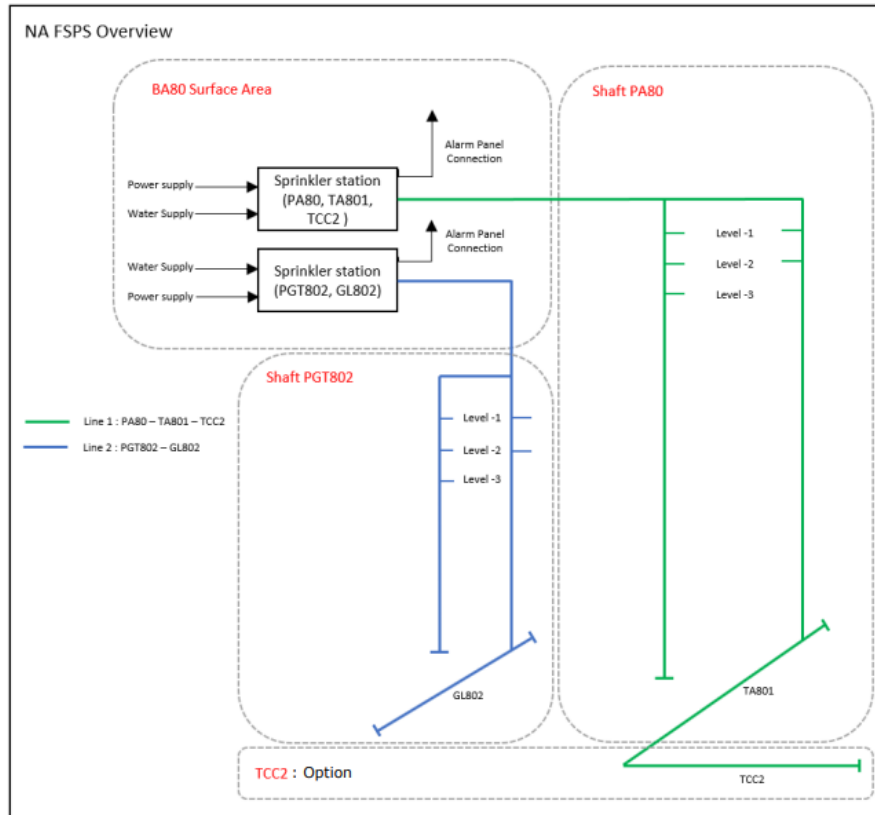


Figure 2: NA FSPS System Overview

The new sprinkler system will be a temperature-sensitive, automatic wet pipe sprinkler system.

There will be two independent sprinkler lines.

ECR for Approval

SPSX-SF-EC-0004

Installation of New Sprinkler System in BA8o

Version **0.2**

By Florian Andre Deperraz

— Seen by FUMEY Sylvain (EN-HE)

ok

— Seen by SCHWARZ Philip (TE-MSC)

✓ Accepted by RAFFOURT Denis (EN-AA)

pas de commentaire

✓ Accepted by GENILLON Xavier (SY-EPC)

Accepted

— Seen by BEYNEL Alexandre (BE-GM)

Seen

— Seen by VAXELAIRE Didier (EN-AA)

— Seen by ABERLE Frederic Lionel (HSE-RP)

✓ Accepted by PIRA Yann Pierre (HSE-RP)

OK

— Seen by PELLETIER Serge (EN-HE)

— Seen by GAILLARD Yves (SY-EPC)

— Seen by DEEPTI Deepti (BE-EA)

Thanks for the document

— Seen by VINCKE Helmut (HSE-RP)

might be good to mention the reason why the radiologically challenging areas of the TCC2 and TDC2 was not considered for sprinkler installation

— Seen by RIDEWOOD James (BE-OP)

Seeking approval from EATM



ECR for Approval

PSZ-T-EC-0002
Version 0.3

By Dipanwita Banerjee

Installation of an Improved Shielding for the F6D.TDE018 Beam Dump

This document covers the improvements to the shielding around the East Dump F6D.TDE018 necessary for it to be able to sustain higher beam rates. It also covers the installation timeline and costs.



Figure 2: Location of F6D.TDE018 dump in 352 building.

SY-ABT and BE-OP have requested an increased intensity of $5.2E10$ protons/second to the dump. Shielding improvement is necessary, involving:

- Shifting the impact point of the beam 240 cm downstream by replacing the dump F6D.TDE018 with a custom-made 240-cm-transverse-length iron block with a 10-cm-diameter hole;
- Replacing the downstream concrete blocks with iron blocks.

Vacuum pipes going into the concrete shielding will also be modified for ease of repair or replacement in the future.

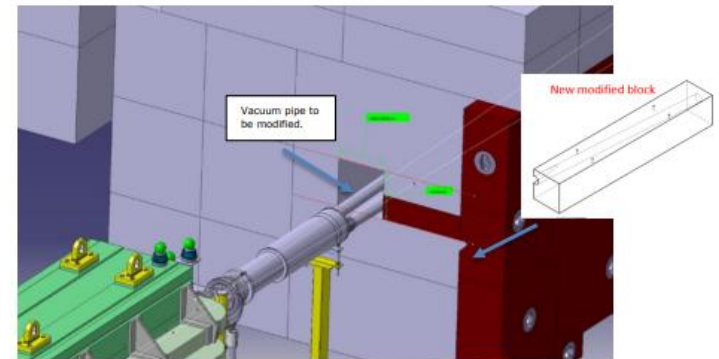


Figure 4: Integration model with the proposed changes.

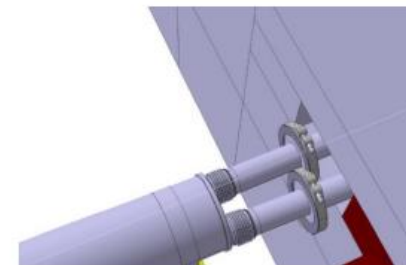


Figure 5: Modified vacuum pipe design.

ECR for Approval

PSZ-T-EC-0002
Version **0.3**

Installation of an Improved Shielding for the F6D.TDE018 Beam Dump

By Dipanwita Banerjee

➤ Seen by GENILLON Xavier (SY-EPC) Seen	Created on 2023-12-05, 15:10
➤ Seen by VENDEUVRE Camille (BE-GM)	Created on 2023-12-05, 15:32
➤ Seen by BOZZATO Davide (HSE-RP) Seen	Created on 2023-12-05, 16:42
➤ Seen by WEISS Kurt (BE-CEM) No blocking issues but: 1. confusing figures 1 and 2: figure 1 shows the shielding blocs around the F6D.TDE018 dump, and in figure 2 one sees a shielding wall along the beamline leading to the dump (which is absent in figure 1 as well as the 2 beamlines that continue into East Hall). 2. Page 9 point 7.1 : Will the vacuum tube modification not create radioactive waste?	Created on 2023-12-05, 16:58
✔ Accepted by BOISSEAUX-BOURGEOIS Philippe (BE-EA) Ok for the vacuum aspects.	Created on 2023-12-06, 11:57
✔ Accepted by JOHNSON Elliott Philippe (SY-ABT) Ok	Created on 2023-12-06, 12:04
➤ Seen by COLLOCA Cristiana (EN-HE)	Created on 2023-12-06, 17:26
✔ Accepted by EBN RAHMOUN Aboubakr (BE-EA) OK for me.	Created on 2023-12-07, 10:50
➤ Seen by BOISSEAUX-BOURGEOIS Philippe (BE-EA) In addition, no radioactive waste created.	Created on 2023-12-07, 14:17
✔ Accepted by MIKULEC Bettina (BE-OP)	Created on 2023-12-11, 09:43
➤ Seen by PELLETIER Serge (EN-HE)	Created on 2023-12-12, 14:14
➤ Seen by BEYNEL Alexandre (BE-GM)	Created on 2023-12-14, 16:24
➤ Seen by BEYNEL Alexandre (BE-GM)	Created on 2023-12-20, 08:48

Seeking approval from EATM



ECR for Approval

HiRadMat New Light Screen Monitor (BTV) Installation in TNC & TT6₁

This document describes the installation of the new light screen monitor (BTV) on TNC and TT6₁ as approved by the HiRadMat Upgrade Project.

HRM-B-EC-0002
Version 0.2

By Nikolaos Charitonidis

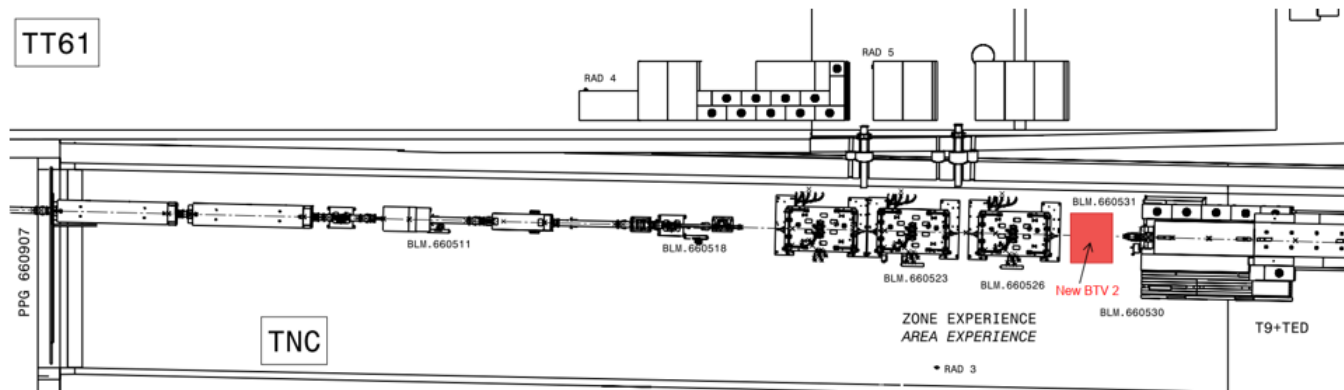
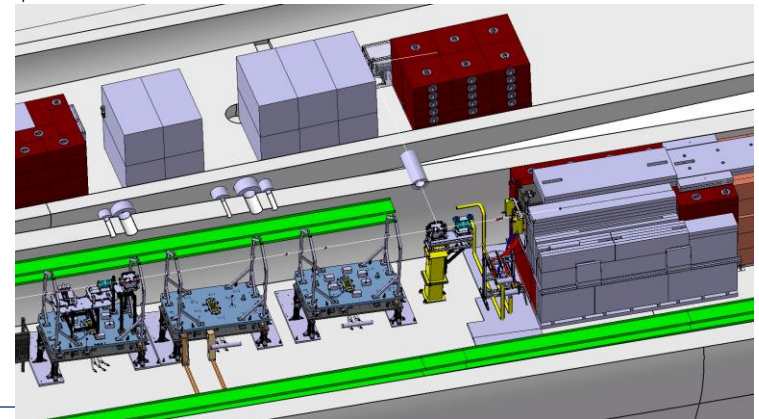


Figure 1 — Integration Layout of the TNC experimental area.

A new BTV is to be installed in HiRadMat beam irradiation zone (TNC). A new “carrotage” will be drilled in the walls between TNC and TT6₁. New shielding blocks need to be added downstream TT6₁ in order to protect the BTV camera from the high-energy hadron fluence due to the high-energy and high intensity beam impinging on the various experiments and the beam dump.



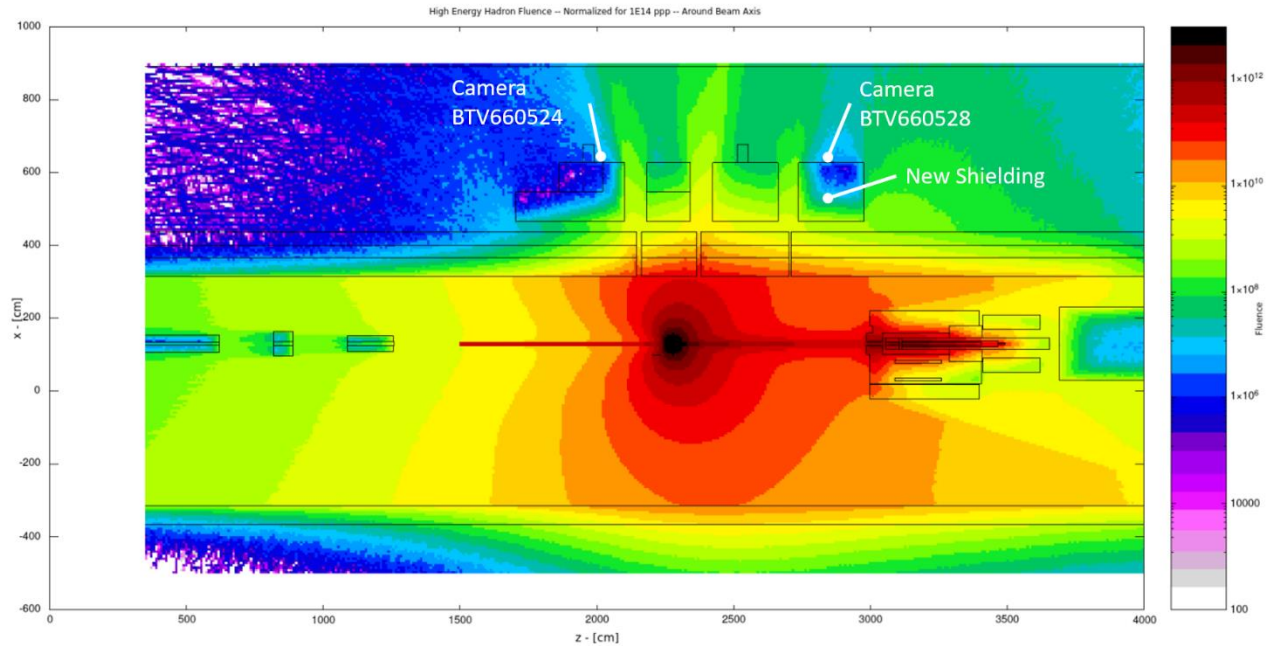
ECR for Approval

HiRadMat New Light Screen Monitor (BTV) Installation in TNC & TT6₁

This document describes the installation of the new light screen monitor (BTV) on TNC and TT6₁ as approved by the HiRadMat Upgrade Project.

HRM-B-EC-0002
Version **0.2**

By Nikolaos Charitonidis



ECR for Approval

HRM-B-EC-0002
Version **0.2**

HiRadMat New Light Screen Monitor (BTV) Installation in TNC &
TT6₁

By Nikolaos Charitonidis

✓ **Accepted** by **GAIGNANT Christelle** (BE-ASR)

Thanks

✓ **Accepted** by **EBN RAHMOUN Aboubakr** (BE-EA)

Ok from my side

✓ **Accepted** by **HARRISON Anthony** (TE-VSC)

Thanks, ok for Vacuum

— **Seen** by **BEYNEL Alexandre** (BE-GM)

Seen

— **Seen** by **GENILLON Xavier** (SY-EPC)

Seen

✓ **Accepted** by **BURGER Stephane** (SY-BI)

✓ **Accepted** by **GOILLOT Alice Marie** (BE-EA)

Ok

— **Seen** by **FUMEY Sylvain** (EN-HE)

ok

✓ **Accepted** by **RONCAROLO Federico** (SY-BI)

Very good

▼ **Page comments**

Page 2

[ref study FLUKA] is a bit unclear, is it a reference to Figure 3 or a separate document ?

— **Seen** by **SCHWARZ Philip** (TE-MSC)

✓ **Accepted** by **VINCKE Helmut** (HSE-RP)

fine with RP

— **Seen** by **BURGER Stephane** (SY-BI)

To answer Federico's comment, a presentation of the FLUKA study is available here:
<https://edms.cern.ch/ui/#!/master/navigator/document?D:101367090:101367090:subDocs>
Could be added in the reference section.
Stephane

Seeking approval from EATM



ECR for Approval

PSZ-L-EC-0001

Version **1.5**

By *Giulia Romagnoli*

Change of EXPERT NAMES for East Area Beamlines Magnets

A more suitable expert naming convention has been proposed for East Area beamline magnets, which is closer to functional-position names. In addition, electrical-circuit names in the East Area will be brought in line with the convention used in other machines.

Within the framework of new naming conventions for magnets, both functional-position names and expert names were used. The expert names caused some confusion and need to be modified.

Table 1: Some examples of expert names and change proposed (full list available in EDMS [2271129](#)).

Functional Position	Current Expert Name	NEW Expert Name
F61.MQNCL007	F61.QFN01	F61.QFN007
F62.MQNEL010	F62.QDN05	F62.QDN010
F63.MBXHD001	F63.BHZ03	F63.BHZ001
T08.MQNEF021	T8.QFN05	T08.QFN021
T08.MCXCF059	T8.DHZ03	T08.DHZ059
T09.MQNDC009	T9.QFN01	T09.QFN009
T09.MQNFK039	T9.QFN07	T09.QFN039
T10.MBXHF017	T10.BHZ01	T10.BHZ017
T10.MQNEV038	T10.QDN08	T10.QDN038
T11.MQNEG008	T11.QDE02	T11.QDN008
T11.MBXHF016	T11.BHZ02	T11.BHZ016

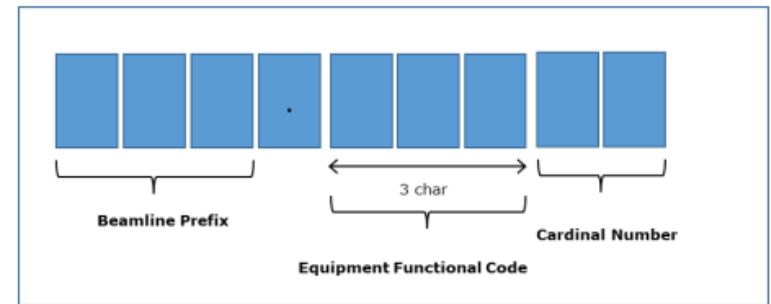


Figure 4: Current expert name convention agreed during East Area Renovation project.

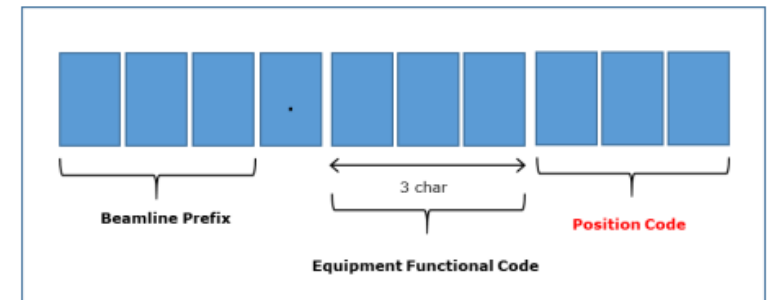


Figure 5: **NEW** expert name convention proposed by this ECR.

ECR for Approval

PSZ-L-EC-0001
Version **1.5**

By Giulia Romagnoli

Change of EXPERT NAMES for East Area Beamlines Magnets

The new convention proposed for electrical circuits would be to use the functional code for the circuit type rather than the equipment code. The power converters will also change name according to this structure.

Table 3: New electrical circuit type proposed by this ECR.

NEW Electrical circuit type	Functional Equipment code of the load	Equipment description
RQFN	QFN	Electrical circuit for quadrupole magnet, focusing
RQDN	QDN	Electrical circuit for quadrupole magnet, defocusing
RDHZ	DHZ	Electrical circuit for horizontal corrector magnet
RDVT	DVT	Electrical circuit for vertical corrector magnet
RBHZ	BHZ	Electrical circuit for horizontal bending dipole magnet
RBVT	BVT	Electrical circuit for vertical bending dipole magnet

Table 4: Example of some power converters and electrical circuits name change.

Circuit Name	NEW CIRCUIT NAME	POWER CONVERTER NAME	NEW POWER CONVERTER NAME	Functional Position	Expert Name	NEW Expert Name
F61.RQNCL007	F61.RQFN007	RPAEK.251.F61.RQNCL007	RPAEK.251.F61.RQFN007	F61.MQNCL007	F61.QFN01	F61.QFN007
F61.RCXCE013	F61.RDZH013	RPAEK.251.F61.RCXCE013	RPAEK.251.F61.RDZH013	F61.MCXCE013	F61.DHZ01	F61.DHZ013
F61.RQNEL014	F61.RQDN014	RPAEK.251.F61.RQNEL014	RPAEK.251.F61.RQDN014	F61.MQNEL014	F61.QDN02	F61.QDN014
F61.RCXCE015	F61.RDVT015	RPAEK.251.F61.RCXCE015	RPAEK.251.F61.RDVT015	F61.MCXCE015	F61.DVT01	F61.DVT015
F61.RQNEF021	F61.RQFN021	RPAEK.251.F61.RQNEF021	RPAEK.251.F61.RQFN021	F61.MQNEF021	F61.QFN03	F61.QFN021
F61.RBXH025.A	F61.RBHZ025	RPAEK.251.F61.RBXH025.A	RPAEK.251.F61.RBHZ025.A	F61.MBXHD025	F61.BHZ01	F61.BHZ025

ECR for Approval

PSZ-L-EC-0001
Version 1.5

By *Giulia Romagnoli*

Change of EXPERT NAMES for East Area Beamlines Magnets

✓ Accepted by **BRETHOUX Damien** (BE-EA)

Ok for integration point of view

✓ Accepted by **MONTABONNET Valerie** (SY-EPC)

OK

✓ Accepted by **LAMPRIDIS Dimitris** (BE-CEM)

OASIS ok

— Seen by **BEYNEL Alexandre** (BE-GM)

Seen

— Seen by **RAVOTTI Federico** (EP-DT)

seen

— Seen by **GENILLON Xavier** (SY-EPC)

Seen

✓ Accepted by **MIKULEC Bettina** (BE-OP)

Small mistake in the Excel file for the OLD OP name (column H): T11.QDE02 should read T11.QDN02.

An incompatibility has been pointed out by M. Peryt for CESAR, as CESAR uses virtual devices to control the FGC power converters, and these virtual devices cannot have the same name as the new FGC OP devices (column I of the Excel file).

Together with EA a solution has been identified and will be implemented:

- The virtual CESAR power converter devices will get a 'Z' in front of the transfer line name, e.g. ZT08.BHZ005 or ZT09.QDN034.

- In the CESAR GUI there is an INFO column, which will mention the NEW circuit name (column D of the Excel file), to guarantee that there is no confusion when calling an EPC expert.

— Seen by **ROMAGNOLI Giulia** (BE-EA)

Small mistake in excel file [EDMS 2271129](#) already corrected the FILE PSZ-M-EN-001-1.5_modif is the correct one!

— Seen by **EBN RAHMOUN Aboubakr** (BE-EA)

OK for me

✓ Accepted by **TEGAS Raffaele** (SY-EPC)

Ok

— Seen by **LE GODEC Gilles** (SY-EPC)

Vu

— Seen by **REIGNIER Stephane** (SY-EPC)

VU

✓ Accepted by **STEERENBERG Rende** (BE-OP)

Created on 202

OK for OP, provided the comments by Bettina are taken into account.

✓ Accepted by **MARIN RODRIGUEZ Marcos** (SY-EPC)

Created on 202

OK

Created on 202

— Seen by **GRENARD Jean-Louis** (SY-STI)

Seeking approval from EATM



ECR for Approval

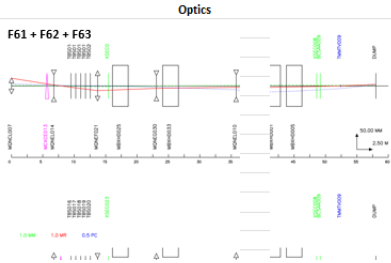
PSZ-M-EN-0001
Version 1.5

By Denis Gerard Cotte

Expert names for Magnets East Area Lines

This document lists alias names for magnets in East Area beamlines.

Line	Magnet type	Circuit Name	NEW CIRCUIT NAME	POWER CONVERTE NAME	NEW POWER CONVERTE NAME	FUNCTIONAL POSITIONS (Layout Database)	OP request	OP request 2022 (ECR 2825729)	EDMS DOCUMENT NUMBER: 2271129 Layout : https://edms.cern.ch/document/1720559
							Expert Name	NEW Expert Name	Quad/Plan
F61	Q74L	F61.RQNC1007	F61.RQFN007	RPAEK.251.F61.RQNC1007	RPAEK.251.F61.RQFN007	F61.MQNC1007	F61.QFN01	F61.QFN007	Foc
F61	CR200	F61.RCXCE013	F61.RDHZ013	RPAEK.251.F61.RCXCE013	RPAEK.251.F61.RDHZ013	F61.MCXCE013	F61.DHZ01	F61.DHZ013	Hz
F61	Q120C	F61.RQNE014	F61.RQDN014	RPAEK.251.F61.RQNE014	RPAEK.251.F61.RQDN014	F61.MQNE014	F61.QDN02	F61.QDN014	Defoc
F61	CR200	F61.RCXCE015	F61.RDVT015	RPAEK.251.F61.RCXCE015	RPAEK.251.F61.RDVT015	F61.MCXCE015	F61.DVT01	F61.DVT015	Vt
F61	QFL	F61.RQNEF021	F61.RQFN021	RPAEK.251.F61.RQNEF021	RPAEK.251.F61.RQFN021	F61.MQNEF021	F61.QFN03	F61.QFN021	Foc
F61	MCB	F61.RBXHQ25.A	F61.RBHZ025	RPAEK.251.F61.RBXHQ25.A	RPAEK.251.F61.RBHZ025.A	F61.MBXHQ25	F61.BHZ01	F61.BHZ025	To F6D Hz
F61	MCB	F61.RBXHQ25.B	/	RPAEK.251.F61.RBXHQ25.B	RPAEK.251.F61.RBHZ025.B	F61.MBXHQ25	/	/	To F6D Hz
F61	QFS	F61.RQNEG030	F61.RQDN030	RPAEK.251.F61.RQNEG030	RPAEK.251.F61.RQDN030	F61.MQNEG030	F61.QDN04	F61.QDN030	Defoc
F61	MCB	F61.RBXHQ33.A	F61.RBHZ033	RPAEK.251.F61.RBXHQ33.A	RPAEK.251.F61.RBHZ033.A	F61.MBXHQ33	F61.BHZ02	F61.BHZ033	To T8 Hz
F61	MCB	F61.RBXHQ33.B	/	RPAEK.251.F61.RBXHQ33.B	RPAEK.251.F61.RBHZ033.B	F61.MBXHQ33	/	/	To T8 Hz
F62	Q120	F62.RQNE010	F62.RQDN010	RPAEK.251.F62.RQNE010	RPAEK.251.F62.RQDN010	F62.MQNE010	F62.QDN05	F62.QDN010	Defoc
F62	CR200	F62.RCXCE011	F62.RDHZ011	RPAEK.251.F62.RCXCE011	RPAEK.251.F62.RDHZ011	F62.MCXCE011	F62.DHZ02	F62.DHZ011	Hz
F62	CR200	F62.RCXCE011	F62.RDHZ011	RPAEK.251.F62.RCXCE011	RPAEK.251.F62.RDHZ011	F62.MCXCE011	F62.DHZ02	F62.DHZ011	Hz



ECR for Approval

PSZ-M-EN-0001

Version **1.5**

By Denis Gerard Cotte

Expert names for Magnets East Area Lines

✓ **Accepted** by **BRETHOUX Damien** (BE-EA)

Ok for integration point of view

✓ **Accepted** by **LAMPRIDIS Dimitris** (BE-CEM)

OASIS ok

— **Seen** by **REIGNIER Stephane** (SY-EPC)

VU

✓ **Accepted** by **MIKULEC Bettina** (BE-OP)

✓ **Accepted** by **MARIN RODRIGUEZ Marcos** (SY-EPC)

OK

— **Seen** by **LELONG Patrick** (EN-EL)

-

⚠ **Accepted with Warning** by **ROMAGNOLI Giulia** (BE-EA)

Small mistake in the Excel file for the OLD OP name (column H): T11.QDE02 should read T11.QDN02.

✓ **Accepted** by **ROMAGNOLI Giulia** (BE-EA)

Small mistake already corrected the FILE PSZ-M-EN-001-1.5_modif is the correct one!

— **Seen** by **EBN RAHMOUN Aboubakr** (BE-EA)

Ok for me

✓ **Accepted** by **NONGLATON Jean-Michel** (BE-OP)

Samplers OK

✓ **Accepted** by **TEGAS Raffaele** (SY-EPC)

Ok

— **Seen** by **LE GODEC Gilles** (SY-EPC)

Vu

Seeking approval from EATM

Thank you!

