

# ECR/Documents for Information and Approval

Giulia Romagnoli and Natalya Kahn for BE-EA, 2025-01-21

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



# LIST OF DOCUMENTS for Info

FOR INFORMATION EATM				
Summary	Reporter	EA Projects	EDMS number	EDMS Status
Integration Study of the Cooling Cells Demonstrator in TT7	Lukasz Krzempek	Experimental Areas	<a href="#">3200071</a>	Released
Procedure to Follow in the Event of a Broken Beryllium Window on the HiRadMat Dump	Nicola Solieri	HiRadMat	<a href="#">3136124</a> - HRM-T-SYP-0001	Engineering check
Seismic Risk Assessment of a Shielding Block Configuration in EHN1 - PPE144 Bridge Shielding Modification	Tiago Nico	North Area	<a href="#">3212641</a> - SPSX-K-SSR-0002	Engineering check
Impact of HI-ECN3 on NA-CONS Phase 1 in TCC2, BA8o & P4	Dipanwita Banerjee	North Area	<a href="#">3172465</a> - SPSX-PM-MEMO-0003	Under Approval

# LIST OF DOC for FUTURE APPROVAL

<b>ECR INFO/FUTURE APPROVAL EATM</b>				
<b>Summary</b>	<b>Reporter</b>	<b>EA Projects</b>	<b>EDMS number</b>	<b>EDMS Status</b>
Low-energy Beams in the T10 Beamline of the East Area	Maarten Van Dijk	East Area	<a href="#">3174332</a> – PSZ-L-EC-0003	<b>In Work</b>
Creation of New Lorry and Personnel Doors in Building g11	Jean-Louis Grenard	North Area, HI-ECN3	<a href="#">3173295</a> – SPSX-J-EC-0008	<b>Engineering check</b>
GIF++ extension	Martin Jaekel	North Area	<a href="#">3223563</a> - SPSX-J-EC-0011	<b>In Work</b>
GIF++ gas balcony	Sylvain Girod	North Area	<a href="#">3214920</a> - SPSX-J-EC-0010	<b>Engineering check</b>
Installation of a New Hydrogen Buffer outside EHN1 for the NA61/SHINE Experiment	Bartosz Maksiak	North Area	<a href="#">3197663</a> – SPSX-J-EC-0009	<b>In Work</b>
Move XFFHo22.489	Nikos Charitonidis	North Area		<b>In Work</b>
Install 2 <sup>nd</sup> CEDAR on H6	Miguel Santos	North Area		<b>In Work</b>
User Requirement for the XABS Absorbers in M2 Line in North Area	Dipanwita Banerjee	North Area	<a href="#">3012379</a> – SPSX-T-ES-0007	<b>Under Approval</b>
Additional Platform above ALPHA Local Control Room in AD Hall	Francois Butin	AD	<a href="#">2897943</a> – AD-LJ-EC-0023	<b>Engineering check</b>

# LIST OF DOCs for APPROVAL

<b>ECR APPROVAL EATM</b>				
<b>Summary</b>	<b>Reporter</b>	<b>EA Projects</b>	<b>EDMS number</b>	<b>EDMS Status</b>
AUG installation EHN2+ AUL removal EHN1, GIF++/H8 and EHN2/M2/BA82	Marcin Szewczyk	North Area	<a href="#">3178530</a> - SPSX-SF-EC-0016	<b>Under Approval</b>
Asset Replacement Request – Replacement/Installation Tables XTDV.041.528, XTDV.042.500, XTDV.021.612	Miguel Santos	North Area	<a href="#">3168393</a> – SPSX-H-ARR-0001	<b>Under Approval</b>

# ECR for Approval

SPSX-SF-EC-0016

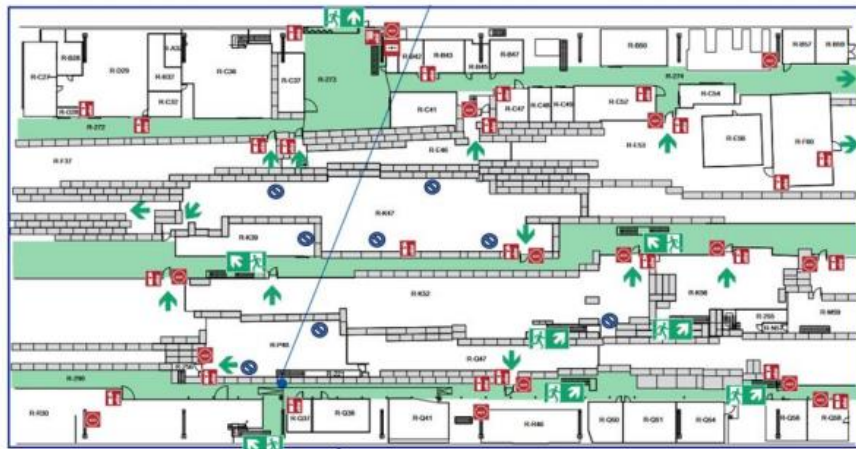
Version **0.2**

By Marcin Szewczyk

## AUG installation EHN2+ AUL removal EHN1, GIF++/H8 and EHN2/M2/BA82

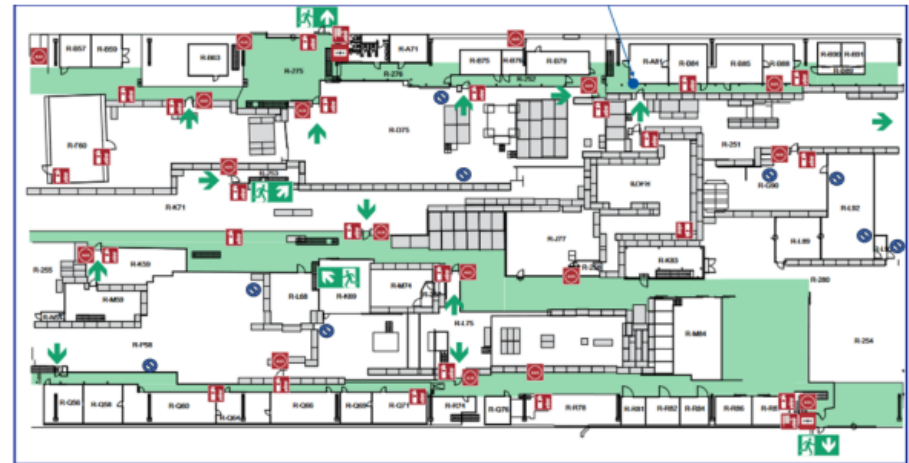
“Arrêts d’urgence locaux” (AUL) will be removed from EHN1 and EHN2 and its security function will be replaced by existing “arrêts d’urgence généraux” (AUG). In EHN2, new AUG buttons will be added.

In line with the strategy agreed with HSE, EP, EN-EL and BE-EA, AULs are being removed and replaced by AUGs. In EHN1 and EHN2 in particular, this is due to faulty MN coils and non-compliance with IS-5 requirements. Obsolete NANO PLC systems will also be removed.



PPE134 (R-K47+R-K39): 5x AUL à supprimer  
PPE138 (R-P40): 2x AUL à supprimer  
PPE146 (R-K52): 1x AUL à supprimer

Figure 1: AUL removal in PPE134, PPE138 and PPE146 in EHN1 [2].



PPE172 (R-D75): 2x AUL à supprimer  
PPE164 (R-G90, R-L92/95): 4x AUL à supprimer  
PPE158 (R-P58): 2x AUL à supprimer  
PPE158 (R-L75): 1x AUL à supprimer

Figure 2: AUL removal in PPE172, PPE164, PPE158 (R-P58) and PPE158 (R-L75) in EHN1 [2].

# ECR for Approval

SPSX-SF-EC-0016

Version **0.2**

By Marcin Szewczyk

AUG installation EHN2+ AUL removal EHN1, GIF++/H8 and EHN2/M2/BA82

In EHN2, one AUL zone will be retained (marked in Figure 3).

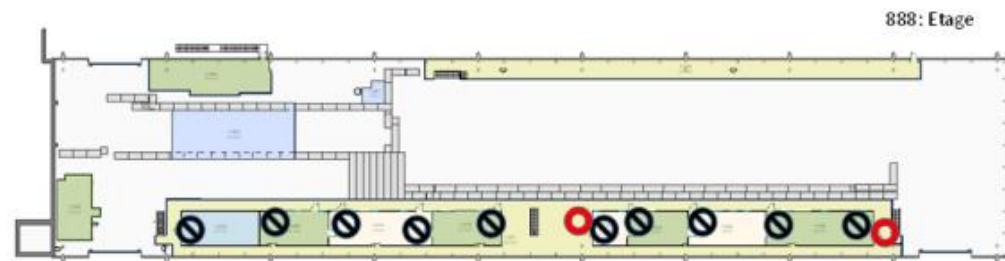


Synthèse: Démontage 29 AULs (+ MN's associés), rajoute de 10 AUG sur chaîne existant  
AUL retenu dans 1 zones indiqués: Cage convertisseurs.

⊗ AUL à supprimer  
⊙ AUG à rajouter

Figure 3: AUL removal and AUG installation in EHN2 (ground floor) [3].

The short power cuts needed to remove MN coils may affect AMBER equipment operation in EHN2.



⊗ AUL à supprimer  
⊙ AUG à rajouter

Figure 4: AUL removal and AUG installation in EHN2 (first floor) [3].

# ECR for Approval

SPSX-SF-EC-0016  
Version **0.2**

AUG installation EHN2+ AUL removal EHN1, GIF++/H8 and  
EHN2/M2/BA82

By **Marcin Szewczyk**

Seen by **LA MENDOLA Saverio** (HSE-OHS)

Accepted with Warning by **VAXELAIRE Didier** (EN-AA)

Quels sont les détails à fournir concernant le sEIS Acces?

Seen by **CHARVET Thierry** (EN-EL)

Je ne comprend pas mon rôle dans cette opération, dont je ne connais pas la teneur.

Accepted with Warning by **KADI Yacine** (BE-EA)

One AUL will remain in operation in EHN2 zone R-0009, however the NANO PLC system will be removed entirely. How will this impact the functioning of the remaining AUL ?

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

Seen

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

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

Seen

Seen by **AHDIDA Claudia Christina** (HSE-RP)

Seen

Accepted with Warning by **BERTOLASI Stefano** (EN-EL)

- Minor comments provided by email on 10.12.2024  
- Document to be approved also by TSO of EHN1/EHN2

Accepted by **SZEWCZYK Marcin** (EN-EL)

Concerning the EIS system no details are required.  
With reference to Yacine's comment the remaining AUL will be directly wired to corresponding breaker or we will provide AUL interface in case it has to actuate more than one breaker.

Seen by **FERNANDEZ Julien Mickael** (EN-PAS)

Accepted by **GIROD Sylvain** (BE-EA)

ok

Accepted by **BRUGGER Markus** (BE-EA) Created on 2024-12-18, 16:03  
many thanks for the final document, paving the way for the eventual reconfiguration

Accepted by **DEVINE James Dilwyn** (EP-DI) Created on 2025-01-09, 14:54  
No further comments from EP Safety, I agree with this proposal.

Seen by **JAILLET David** (BE-EA) Created on 2025-01-15, 11:03  
Is the AUL042 in 887/R-C47 can be removed too and included in this campaign?

Accepted by **RAE Bastien** (BE-EA) Created on 2024-12-17, 14:28  
Ok from EHN2 TSO side

Accepted by **BERNHARD Johannes** (BE-EA) Created on 2024-12-17, 14:34  
Would be good to also distribute to the LE physicists as they are the links to the experiments in case there are questions by the users.

Accepted with Warning by **VEIT Benjamin Moritz** (EP-UFT) Created on 2024-12-17, 16:09  
In 3.2 install 10 additional AUG buttons is mentioned. Looking at the figure 3+4 I see 10 red rings for new AUGs. Some of the e.g. next to the entry of PPE221 are already existing. Please review the position of the newly added AUGs if they do not yet exists. If some additional could be added in PPE221 at the height of SM2 this would be good.

Seeking approval from EATM



# ARR for Approval

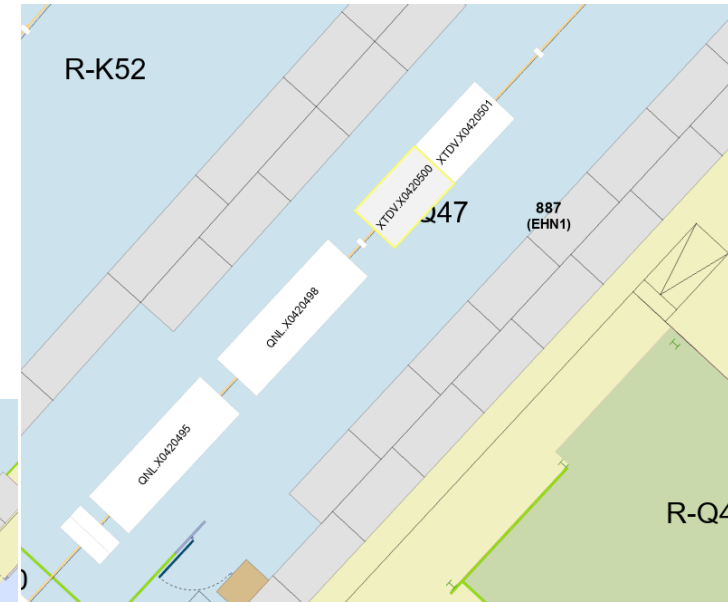
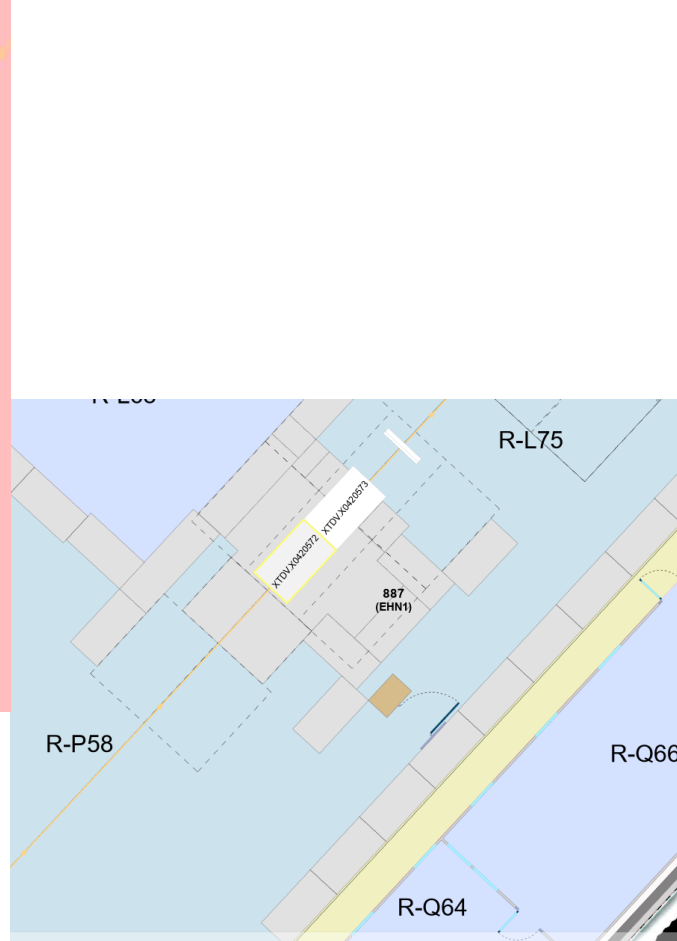
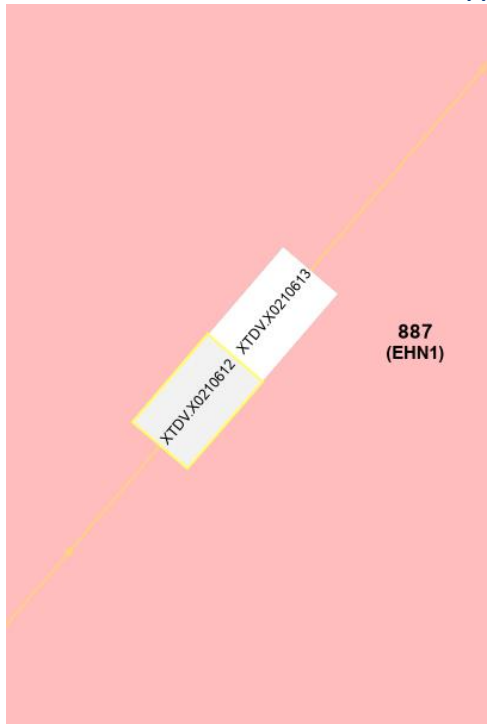
SPSX-H-ARR-0001

Version **0.1**

By Miguel Santos

Asset Replacement Request – Replacement/Installation Tables  
XTDV.041.528, XTDV.042.500, XTDV.021.612

XTDV.041.528, XTDV.042.500 and XTDV.021.612 must be replaced for operation.





# ARR for Approval

SPSX-H-ARR-0001

Version **0.1**

By Miguel Santos

Asset Replacement Request – Replacement/Installation Tables  
XTDV.041.528, XTDV.042.500, XTDV.021.612

⚠ **Accepted with Warning** by LAZZARONI Michael (BE-EA)

4 de ces XTDVs doivent être modifiées avant installation (en janvier). Modification à suivre si il y a des complications et impossibilité d'installation pendant ce YETS.

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

Seen

➡ **Seen by** BERTONE Caterina (EN-HE)

Quelle est l'activation de ces pieces?  
echange à l'identique?

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

✔ **Accepted** by KADI Yacine (BE-EA)

OK to proceed with the proposed replacement of the 6 consolidated XTDVs.

➡ **Seen by** FUMEY Sylvain (EN-HE)

ok

➡ **Seen by** DEVINE James Dilwyn (EP-DI)

No comments.

**Seeking approval from EATM**

# Thank you!

