

LIU EL-FC ACTIVITIES

Updated on 17/01/2018

Patrick Lelong EN-EL-FC



ENGINEERING
DEPARTMENT

YETS17-18 PS cabling

Postponed to LS2 (M. Haase on 13/10/2017)

| N° PLAN | Action | OSVC (Provisional) | Contact | YETS 2017-2018 | DEC | NO cables to be removed | DIC | NO cables to be pulled | DIR | NO of racks to be installed | DIF | NO fibres to be pulled | Observations |
|---------|---|--------------------|-----------------|----------------|-----|-------------------------|--------------|------------------------|-----|-----------------------------|-----|------------------------|--|
| 10362 | New Power converters for 40-80 MHz cavities | C213AFB129 | Louis de Mallac | yes | | | Received | 6 | | | | | Installation ongoing |
| 10362 | Ethernet for 40-80 MHz cavities (PC6) | C213AFB212 | J.Gomez Costa | | | | Received | 1 | | | | | ~40m |
| 10921 | PS Longitudinal Damper | C213AFB155 | Matthias Haase | | DEC | 12 | DIC Received | 30 | | | | | ~4km |
| 10967 | Cabling for RF Sources | C213AFB122 | Heiko Damerau | yes | | | Received | 44 | | | | | ~1km No cabling in Bld 353 during Decabling!!! To be done in Week8 |

LS2 PS cabling (1/3)

| N° PLAN | Action | OSVC (Provisional) | Contact | LS2 2019-2020 | DEC | NO cables to be removed | DIC | NO cables to be pulled | DIR | NO of racks to be installed | DIF | NO fibres to be pulled | Observations |
|---------|--|--------------------|-------------------|---------------|--------------|-------------------------|-----------------------------------|------------------------|-----|-----------------------------|------------------|------------------------|--|
| 10920 | RF-HP: 10 MHz System renovation baseline, upgrade of feedback amplifiers. (New gap relay development) | C213AFB166 | Carlo Rossi | yes | Not Received | | PRE-DIC Received | 44 | | | | | ~11km |
| 11155 | PS 40/80 MHZ New Feedback Amplifiers | C213AFB173 | Carlo Rossi | yes | | | DIC Received | 45 | | | | | DIC Received 14/12/17 ~3.5km |
| 10924 | PS 80 MHZ Fast Tuner | C213AFB167 | Carlo Rossi | yes | | | DIC Received | 9 | | | Not Received | 3 | DIC Received 14/12/17 ~600m(control) |
| 10025 | PS internal dump SS47 or SS48 | C213AFC100 | F.X. Nuiry | yes | | | DIC Received | 6 | | | | | DIC Received 20/12/17 ~600m |
| 11486 | PS ralentisseur upgrade SS12 or SS75 | C213AFB144 | F.X. Nuiry | yes | DIC Received | 1 | DIC Received | 3 | | | | | DIC Received 20/12/17 ~1km |
| 10967 | Replace existing beam control by fully digital beam control | C213AFB168 | Heiko Damerau | yes | | | PRE-DIC Received | 256 | | | PRE-DIF Received | 25 | ~10km (Control cables) ~1.5km (Optical Fiber) Final DIC not before April (Heiko) |
| 10437 | Renovation of BWS (including turn-by-turn). Prototype installed in PSB | C213AFB205 | J. Emery | yes | Not Received | | DIC Received | 45 | | | PRE-DIF Received | ~32 | DIC Received 15/12/17 ~9km (Control cables) ~3km (Optical Fiber) |
| 10349 | Manufacture and commission PI.SMH42 Power Converter BC 99270 | C213AFB206 | Jean-Marc Cravero | yes | | | EN-EL preparation Waiting for ECR | 1 | | | | | ~200m |
| 10349 | Ethernet PI.SMH42 Power Converter | C213AFB165 | J.Gomez Costa | yes | | | DIC Received | 2 | | | | | DIC Received 15/12/17 ~150m |
| 10349 | Interlock PI.SMH42 Power Converter | C213AFB169 | Richard Mompou | yes | | | PRE-DIC Received | 1 | | | | | Included in PS Interlock Renovation |
| 10350 | Manufacture and commission PI.BSM42 Power Converter BC 99274 | C213AFB207 | Jean-Marc Cravero | yes | | | EN-EL preparation Waiting for ECR | 1 | | | | | ~100m |
| 10350 | Ethernet PI.BSM42 Power Converter | C213AFB165 | J.Gomez Costa | yes | | | DIC Received | 1 | | | | | DIC Received 15/12/17 ~50m |
| 10350 | Interlock PI.BSM42 Power Converter | C213AFB169 | Richard Mompou | yes | | | PRE-DIC Received | 1 | | | | | Included in PS Interlock Renovation |

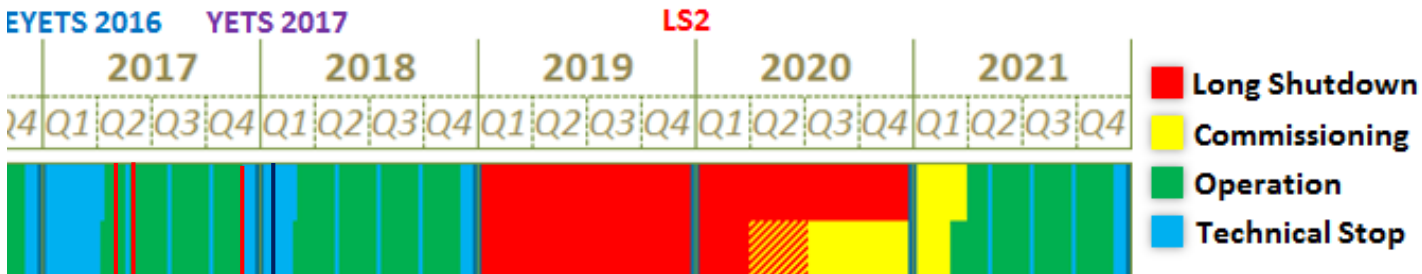
LS2 PS cabling (2/3)

| N° PLAN | Action | OSVC (Provisional) | Contact | LS2 2019-2020 | DEC | NO cables to be removed | DIC | NO cables to be pulled | DIR | NO of racks to be installed | DIF | NO fibres to be pulled | Observations |
|---------|--|--------------------|-------------------|---------------|--------------|-------------------------|--------------------------------------|------------------------|-----|-----------------------------|-----|------------------------|---------------------------------------|
| 10351 | Upgrade and commission PI.BSM40, 41, 43 & 44 Power Converters BC 99275 | C213AFB208 | Jean-Marc Cravero | yes | | | EN-EL preparation Waiting for ECR | 4 | | | | | ~500m |
| 10351 | Ethernet PI.BSM40, 41, 43 & 44 | C213AFB165 | J.Gomez Costa | yes | | | DIC Received | 5 | | | | | DIC Received 15/12/17 ~300m |
| 10351 | Interlock PI.BSM40, 41, 43 & 44 | C213AFB169 | Richard Mompou | yes | | | DIC Received | 1 | | | | | Included in PS Interlock Renovation |
| 10352 | low beta quadrupole PC BC 99269 | C213AFB209 | Jean-Marc Cravero | yes | | | EN-EL preparation Waiting for ECR | 1 | | | | | ~500m |
| 10352 | Ethernet low beta quadrupole PC | C213AFB165 | J.Gomez Costa | yes | | | DIC Received | 2 | | | | | DIC Received 15/12/17 ~100m |
| 10352 | Interlock low beta quadrupole PC | C213AFB169 | Richard Mompou | yes | | | DIC Received | 1 | | | | | Included in PS Interlock Renovation |
| 10329 | TT2 renovation | C213AFB210 | K. Papastergiou | yes | | | EN-EL preparation | ~50 | | | | | EDMS: 1519674 ~7km |
| 10329 | Ethernet TT2 Renovation | C213AFB164 | J.Gomez Costa | yes | | | PRE-DIC Received | 42 | | | | | ~3km |
| 10809 | Renovation of the PS interlock system | C213AFB169 | Richard Mompou | yes | Not Received | | PRE-DIC Received | 136 | | | | | ~10km |
| 10811 | WIC machine protection TT2 | C213AFA132 | Richard Mompou | yes | Received | 117 | DIC Received | 114 | | | | | DIC Received 29/10/17 ~8km |
| 11110 | Supply new converter for PS vertical IPM Magnets | C213AFA211 | Serge Pittet | yes | | | EN-EL preparation Waiting for ECR | 1 | | | | | ~500m |
| 11110 | Ethernet for PS vertical IPM Magnets | C213AFB180 | J.Gomez Costa | yes | | | PRE-DIC Received | 2 | | | | | ~200m |
| 11110 | Interlock for PS vertical IPM Magnets | C213AFA169 | Richard Mompou | yes | | | DIC Received | 1 | | | | | Included in PS Interlock Renovation |

LS2 PS cabling (3/3)

| N° PLAN | Action | OSVC (Provisional) | Contact | LS2 2019-2020 | DEC | NO cables to be remov ed | DIC | NO cables to be pulled | DIR | NO of racks to be installe d | DIF | NO fibres to be pulled | Observations |
|---------|--------------------------------|--------------------------------------|----------------------------|------------------|---------------------|--------------------------------------|---------------------|---------------------------------|-----|--|-----|------------------------------|---|
| 10752 | Replace injection extra kicker | C213AFB172 (DIC) C213AFC104 (DEC) | T. Kramer + J. Borburgh | yes | PRE-DEC Received | ~330 | PRE-DIC Received | 171 | | | | | Pre-DIC (80%) 21/12/17 ~2.6km (New) Pré-DEC 21/12/17 |
| 11427 | Additional HV cables for KFA45 | C213AFB174 | T. Kramer + J. Borburgh | yes | | | DIC Received | 12 | | | | | DIC Received 11/12/17 ~1.5km |
| 10921 | PS Longitudinal Damper | C213AFB155 | Matthias Haase | yes | DEC Received | | DIC Received | | | | | | Foreseen for YETS, postponed to LS2 ~4km |

Deadlines (From EDMS 1776389 – G. Georgiev)



Today we are here

All definitive requests (DIF, DIC, DIR, DEC) for LS2 shall be submitted before 21/12/2017.

All pre requests (DIF, DIC, DIR, DEC) for LS2 shall be submitted before 31/05/2017.

All final requests for YETS17-18 shall be submitted before end of April 2017.

Thank you!



ENGINEERING
DEPARTMENT

EYETS16-17 PS cabling

| N° PLAN | Action | Equipment or System impacted | Contact | EYETS 2016-2017 | YETS 2017-2018 | DEC | NO cables to be removed | DIC | NO cables to be pulled | DIR | NO of racks to be installed | DIF | NO fibres to be pulled | Observations |
|---------|---|--|-----------------|-----------------|----------------|-----|-------------------------|-------------------|------------------------|-----|-----------------------------|----------|------------------------|---|
| 10061 | New plus faster BLMs | Diamond BLMs | C. Zamantzas | yes | no | 0 | 0 | Received | 51+34 | | | | | Completed (34 pulled during EYETS) - 1366m |
| 10354 | Quadrupoles QSK Power Converters - Ethernet Cables | 40x PR.QSKxx circuits | J.Gomez Costa | yes | no | | | Received | 32 | | | | | Completed - 300m |
| 10354 | Quadrupoles QSK Power Converters - DC Cables | 40x PR.QSKxx circuits | Serge pittet | yes | no | | | EN-EL preparation | 40 | | | | | Completed - 710m |
| 10355 | Low Energy Dipoles DVT Power Converters - Ethernet Cables | 20x PR.DVTxx circuits | J.Gomez Costa | yes | no | | | Received | 32 | | | | | Completed - 300m |
| 10355 | Low Energy Dipoles DHZ Power Converters - Ethernet Cables | 50x PR.DHZxx circuits | J.Gomez Costa | yes | no | | | Received | 54 | | | | | Completed - 658m |
| 10355 | Low Energy Dipoles DVT Power Converters - DC Cables | 20x PR.DVTxx circuits | Serge pittet | yes | no | | | EN-EL preparation | 20 | | | | | Completed - 304m |
| 10355 | Low Energy Dipoles DHZ Power Converters - DC Cables | 50x PR.DHZxx circuits | Serge pittet | yes | no | | | EN-EL preparation | 54 | | | | | Completed - 816m |
| 10434 | Renovation of BWS (including turn-by-turn). Prototype installed in SS54 | Replacing existing install. Need cables for bunch-by-bunch | J. Emery | yes | no | | | Received | 20 | | | Received | 10 | Completed - 3693m |
| 10647 | Slow BLMs | Ionisation BLMs | C. Zamantzas | yes | no | 0 | 0 | Received | 200 | | | | | Completed - 35223m |
| 10924 | DC Cables in SS08 | | Carlo Rossi | yes | no | | | Received | 2 | | | | | Completed - 43m |
| 10967 | Cabling for RF Sources | | Heiko Damerau | yes | no | | | Received | 39 | | | | | Completed - 766m |
| 11088 | Second new Ionization profile monitor (BGI) IPM Vertical | All new cables, power and aqn | J. Storey | yes | no | | | Received | 13 | | | Received | 12 | Partially installed (DC cables not defined) - 2060m |
| 11100 | Beam stopper F16.STP176 et F16.STP152 | | J. Lendaro | yes | no | | | Received | 2 | | | | | Completed - 218m |
| 11169 | Installation of spare power converter - Ethernet Cable | Circuit QFO215 | J.Gomez Costa | yes | no | | | Received | 1 | | | | | Completed - 25m |
| 11169 | Installation of spare power converter - DC Cables | Circuit QFO215 | K. Papastergiou | yes | no | | | EN-EL preparation | 4 | | | | | Completed - 22m |

547 cables / 46.5 km pulled during EYETS for LIU-PS !