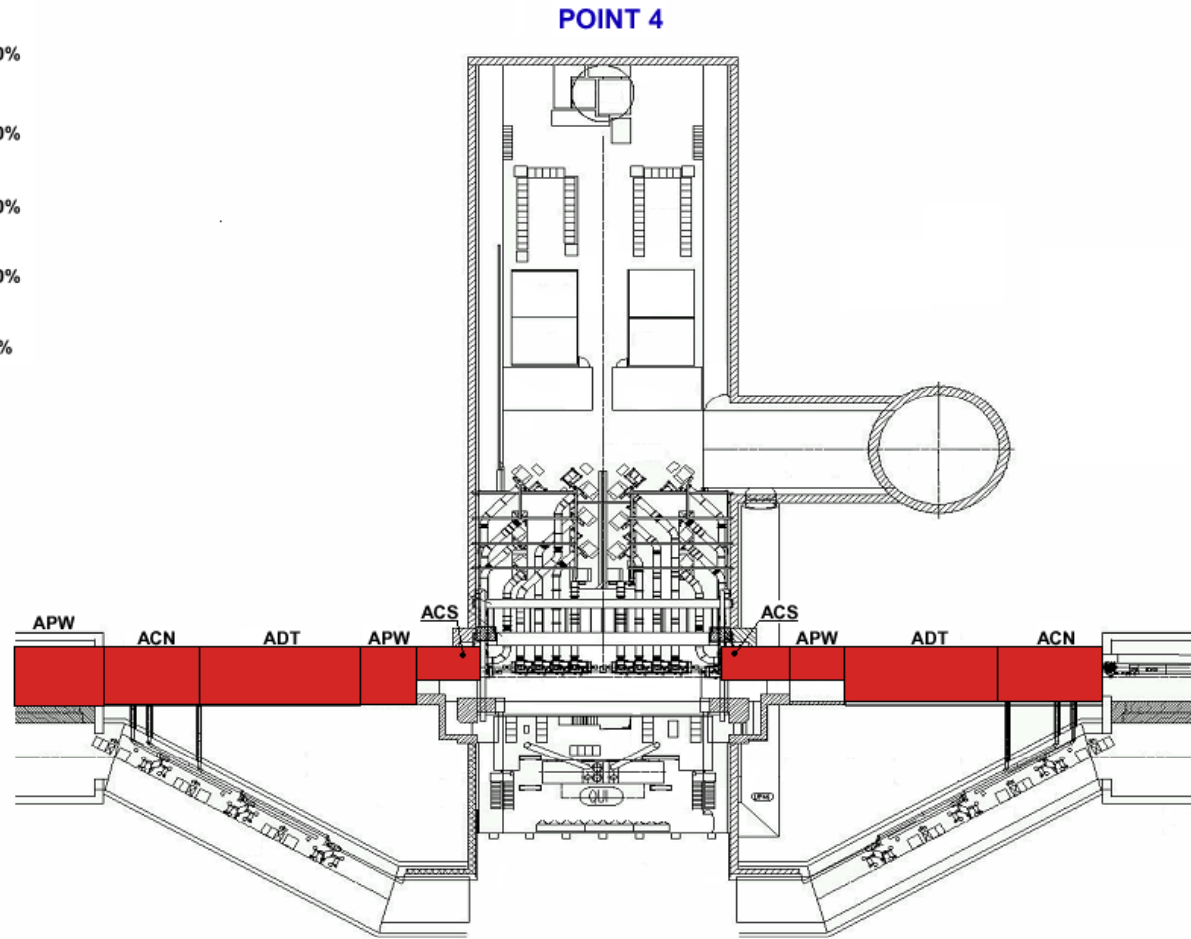
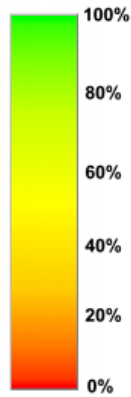


# Radio Frequency System

- GENERAL STATISTICS
- UPLOAD BY REGION
- UPLOAD BY SLOT CLASS

31.83%	AC Distribution
0%	Beam Dumping
7.01%	Beam Instrumentation
4.53%	Circuits
86.79%	Cooling
66.67%	Ventilation
4.4%	Cryogenics
14.29%	DFB
19.72%	EIQA
96.54%	Energy Extraction
63.89%	Power Cables
87.5%	Power Converters
95.9%	Powering Interlocks
10.8%	Quench Protection
67.5%	Radiation Monitoring
0%	Radio Frequency
77.29%	Worldfip Segments
33.83%	Warm Magnets



# Radio Frequency System

## Slot Folder: Installation Jobs

**Slot Identifier:** ACNCA.C5L4.B1  
**Other Identifier:** None  
**Description:** RF Normal Conducting Cavity

Actions : [Create Job](#)

Job Id	R/E	Status	Res.	Description	Show Last Repeated		
					Started	Ended	NC
<a href="#">14286926</a>		Pending		10-ACN Controls and Software Infrastructure			
<a href="#">14286927</a>		Pending		12-ACN Individual System Tests			

## Slot Folder: Installation Jobs

**Slot Identifier:** ACSCA.B5L4.B1  
**Other Identifier:** ACSCA.F5L4=RB44  
**Description:** Superconducting Bare Cavity Slot

Main   Slot data   Installation & Commissioning   Operation   Documents   History					
Actions :					
Job Id	R/E	Status	Res.	Description	Show Last Repeated   Started   Ended   NC
<a href="#">14508058</a>		Pending		01-ACS Installation	
<a href="#">14508074</a>		Pending		02-Cabling	
<a href="#">14508090</a>		Pending		03-Network Configuration and Test	
<a href="#">14508106</a>		Pending		04-HV Bunker Tests 60kV (w/o power)	
<a href="#">14508122</a>		Pending		05-All PLC Tests (w/o power)	
<a href="#">14508154</a>		Pending		06-Air Cooling	
<a href="#">14508138</a>		Pending		07-Water Cooling	
<a href="#">14508170</a>		Pending		08-HV Bunker Services Tests	
<a href="#">14508186</a>		Pending		09-Klystron Focus Calibration	
<a href="#">14508202</a>		Pending		10-Klystron Heater Setting up	
<a href="#">14508218</a>		Pending		11-HV Interlock Tests	
<a href="#">14508234</a>		Pending		12-PLC's Interface Setting up	
<a href="#">14508250</a>		Pending		13-Power Converter Communication	
<a href="#">14508266</a>		Pending		14-Power Converter Commissioning	
<a href="#">14508282</a>		Pending		15-HV to 10 KV	
<a href="#">14508298</a>		Pending		16-Check ACS modules instrumentation	
<a href="#">14508314</a>		Pending		17-Interface to cryo Instrum./process control	
<a href="#">14508330</a>		Pending		18-Check Tuner Drive Electronics	
<a href="#">14508346</a>		Pending		19-Check Main Power Coupler Controls	
<a href="#">14508362</a>		Pending		20-Pressure test at 2.1 bar	
<a href="#">14508378</a>		Pending		22-Crowbar Tests with Power Converter	
<a href="#">14508394</a>		Pending		24-HV to Nominal	
<a href="#">14508410</a>		Pending		26-Klystron Modulator Setting Up	
<a href="#">14508426</a>		Pending		28-Klystron Current to 4A	
<a href="#">14508442</a>		Pending		30-Klystron Parameters Calibration	
<a href="#">14508458</a>		Pending		32-RF Interlock Tests	
<a href="#">14508474</a>		Pending		34-RF Distribution Calibration	
<a href="#">14508490</a>		Pending		36-RF ON (on short circuit)	
<a href="#">14508506</a>		Pending		38-RF Power Calibration	
<a href="#">14508522</a>		Pending		40-Klystron RF Power to 150 kW	

<a href="#">14508522</a>	Pending	40-Klystron RF Power to 150 kW
<a href="#">14508538</a>	Pending	42-Klystron RF Power to 300 kW
<a href="#">14508554</a>	Pending	44-Klystron Heater Curve (control set)
<a href="#">14508570</a>	Pending	46-Switch & Protection - set-up
<a href="#">14508586</a>	Pending	48-Klystron Polar loops - set-up Noise meas.
<a href="#">14508602</a>	Pending	50-LLRF VME chassis UX45 Instal.,Config.,Test
<a href="#">14508618</a>	Pending	52-Signal distribution systems (check/calib)
<a href="#">14508634</a>	Pending	54-Test Clock Distribution in Faraday Cages
<a href="#">14508650</a>	Pending	56-Test GMT Timing and Distribution
<a href="#">14508666</a>	Pending	58-AB-PO Function Generators/LLRF interface
<a href="#">14508682</a>	Pending	60-Check Tuner drives: PLC & LLRF Controls
<a href="#">14508698</a>	Pending	62-RF Feedbacks - check and pre-calibration
<a href="#">14508714</a>	Pending	64-Setup & pretest of conditioning electronic
<a href="#">14508730</a>	Pending	66-Setup and test cryo control / instrum.
<a href="#">14508746</a>	Pending	68-Check cryo valves and operation
<a href="#">14508762</a>	Pending	70-Closely monitor cooldown
<a href="#">14508778</a>	Pending	72-Low power tests & calibs (No W/G)
<a href="#">14509112</a>	Pending	74-Check HOMs
<a href="#">14509128</a>	Pending	76-RF low power:signals,calib.,tuning (OL)
<a href="#">14509144</a>	Pending	78-Conditioning - phase 1 (tbd)
<a href="#">14509160</a>	Pending	80-Conditioning - phase 2 (tbd)
<a href="#">14509176</a>	Pending	82-RF tuning loop tests and commissioning
<a href="#">14509192</a>	Pending	84-RF feedback loops tests and commissioning
<a href="#">14509208</a>	Pending	86-Check Specialist Applications
<a href="#">14509224</a>	Pending	88-Check of Switch-on Software
<a href="#">14509240</a>	Pending	90-Check of Ramping Software
<a href="#">14509256</a>	Pending	92-Soak (long-term) Run

## Slot Folder: Installation Jobs

**Slot Identifier:** ADTMH.B5L4.B1

**Other Identifier:** None

**Description:** RF Transverse Damper

Main Slot data Installation & Commissioning Operation Documents History						
Actions : <a href="#">Create Job</a>						
Job Id	R/E	Status	Res.	Description	Show Last Repeated	
					Started	Ended   NC
<a href="#">14507922</a>		Pending		10-Test Control Cabling		
<a href="#">14507923</a>		Pending		12-Test RF Cabling		
<a href="#">14507924</a>		Pending		14-Test Ug1 and Ug2 Power Supplies		
<a href="#">14507925</a>		Pending		16-Test Ua Power Supplies		
<a href="#">14507926</a>		Pending		18-Test Controls and Interlocks		
<a href="#">14507927</a>		Pending		20-Test PIM/Signal conditioner/HV divider		
<a href="#">14507928</a>		Pending		22-Test Water Cooling System 4 Amplifiers		
<a href="#">14507929</a>		Pending		24-Test with 4 amplifiers with Low Power		
<a href="#">14507930</a>		Pending		26-Assembly of 16 Amplifiers		
<a href="#">14507931</a>		Pending		28-SR4 Cables Re-arrangement		
<a href="#">14507932</a>		Pending		30-Cables Labeling (SR4+UX45+RBs)		
<a href="#">14507933</a>		Pending		32-Calibr. PIM/Signal conditionn./HV divider		
<a href="#">14507934</a>		Pending		34-Final RF cables meas./ lengths adaptation		
<a href="#">14507935</a>		Pending		36-Test Water Cooling System 16 Amplifiers		
<a href="#">14507936</a>		Pending		38-Test with 16 Amplifiers with Low Power		
<a href="#">14507937</a>		Pending		40-Controls and Interlocks Level Calibration		
<a href="#">14507938</a>		Pending		42-Connection to vacuum chambers		
<a href="#">14507939</a>		Pending		44-Bake out of Kickers		
<a href="#">14507940</a>		Pending		46-Assembly of Deflectors in RBs		
<a href="#">14507941</a>		Pending		48-Test 16 Amplifiers connected to Kickers		
<a href="#">14507942</a>		Pending		50-Heat Run		
<a href="#">14507943</a>		Pending		52-Final Measurements		

## Slot Folder: Installation Jobs

**Slot Identifier:** APWL.5R4.B1  
**Other Identifier:** None  
**Description:** RF Instrumentation

Main | Slot data | **Installation & Commissioning** | Operation | Documents | History

Actions : [Create Job](#)

Job Id	R/E	Status	Res.	Description	Show Last Repeated		
					Started	Ended	NC
<a href="#">14317154</a>		Pending		10-APWL Controls and Software Infrastructure			
<a href="#">14317155</a>		Pending		12-APWL Remote Control Tests			
<a href="#">14317156</a>		Pending		14-APWL Calibration Tests			
<a href="#">14317157</a>		Pending		16-APWL Acquisition Equipment Tests			

Class Description	RF Normal Conducting Cavity / RF Superconducting Bare Cavity / RF Transverse Damper / RF Instrumentation
Class Code	ACN / ACSCA / ADT / APWL
Responsible	Edmond Ciapala / Olivier Brunner
Number of Slots	16 / 16 / 8 / 12
Number steps	2 / 56 / 22 / 4
Number of properties	1 (EDMS Procedure)
% steps uploaded	0 %
% properties uploaded	N/A
Documents	0 %
Comments	0 %
NCRs	0 %
Upload type	manual
Upload particularities	none
Access Rights	See next slide
Layout Database-MTF Link	?
Expected Modifications	No (recently modified)

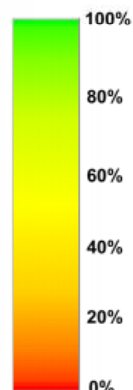
Write rights & NCRs creation	To be notified of NCRs	Management of NCRs	NCRs approval
<p>LHC-HWC-RF-MTF Group + role LHC-HWC-RF in context LHC-HWC-MTF and D7i:</p> <p>Edmond Ciapala, Olivier Brunner, Wolfgang Hofle, Pierre Maesen</p>	<p>4 notifications (LHC-HWC-RF-%) based on role CERN-PE and LHC-HWC-55 EDMS list: :</p> <p>Edmond Ciapala, Olivier Brunner, Wolfgang Hofle, Pierre Maesen</p>	<p>CERN-PE in LHC-HWC-BCT-MTF (ORG-002410) Context:</p> <p>Edmond Ciapala, Olivier Brunner, Wolfgang Hofle, Pierre Maesen</p>	<p>LHC-HWC-54 EDMS list:</p> <p>Edmond Ciapala, Olivier Brunner, Wolfgang Hofle, Pierre Maesen</p>

Access Rights as they are today for Radio Frequency System (ACN, ACSCA, ADT and APWL classes)

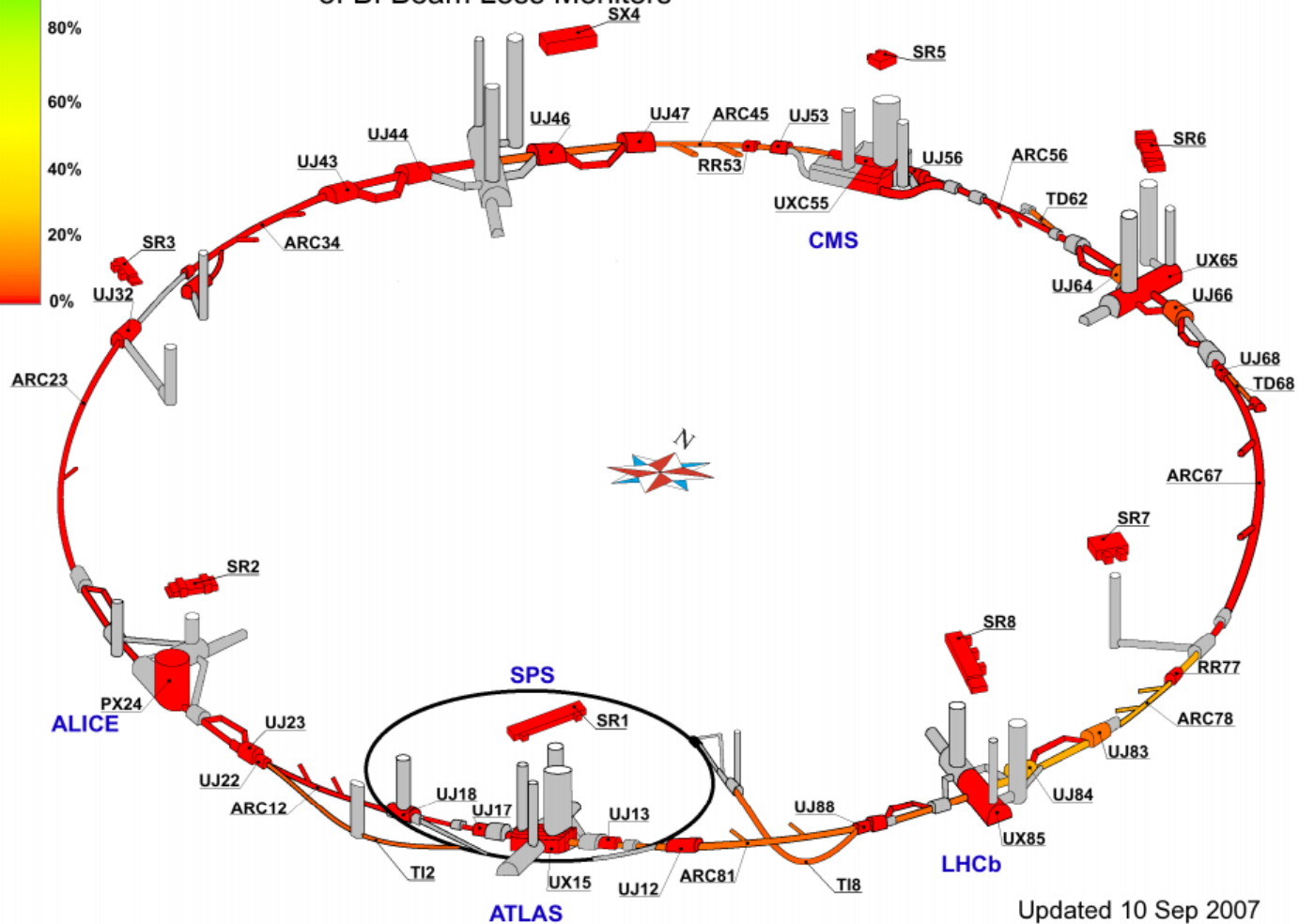


- GENERAL STATISTICS
- UPLOAD BY REGION
- UPLOAD BY SLOT CLASS

31.83%	AC Distribution
0%	Beam Dumping
7.01%	Beam Instrumentation
32.14%	BCTD
11.82%	BCTF
0%	BGI
10.94%	Beam Loss Mon.
3.21%	Beam Position Mon.
37.5%	BSRT
48.11%	BTV
0%	BWS
13.42%	VME
4.51%	Circuits
86.79%	Cooling
0%	Collimators
66.67%	Ventilation
4.4%	Cryogenics
14.29%	DFB
19.72%	EIQA
96.54%	Energy Extraction
63.89%	Power Cables
86.97%	Power Converters
95.9%	Powering Interlocks
10.8%	Quench Protection
67.5%	Radiation Monitoring
0%	Radio Frequency
77.29%	Worldfip Segments
10.24%	LHC Access
33.83%	Warm Magnets



## Progress of Individual System Tests of BI Beam Loss Monitors



Updated 10 Sep 2007  
by Jacek Szkutnik

# Beam Instrumentation

Class Description	Beam Instrumentation
Class Code	BCTD / BCTF / BGI / BLM / BPM / BQK / BQS / BRANA / BRANB / BSRT / BTV / BV01 / BWS
Responsible	Jean-Jacques Gras
Number of Slots	4 / 10 / 4 / 2622 / 1175 / 4 / 4 / 0 / 4 / 2 / 37 / 88 / 2
Number steps	7 / 11 / 5 / 8 / 12 / 3 / 3 / 0 / 10 / 8 / 5 / 6 / 4
Number of properties	1 / 1 / 1 / 45 / 29 / 1 / 1 / 1 / 31 / 1 / 1 / 6 / 1
% steps uploaded	29% 12% 0% 6% 3 % 0% 0% 0% 0% 50% 48% 0% 0%
% properties uploaded	10% BLM & 3% BPM (rest is 0%)
Documents	13% BSRT
Comments	22% 38% 0% 0% 5% 0% 0% 0% 0% 38% 2% 0% 0%
NCRs	1 NCR linked to a BPM
Upload type	BPM and BLM are 100% automatic The rest is 100% manual
Upload particularities	HC has developed a XLS to XML converter
Access Rights	See next slide
Layout Database-MTF Link	<b>YES</b>
Expected Modifications	Property evolution – automatic upload Bake-out step Beam Commissioning – what happens then ? BI should finish their procedure Progress should include BQK and BQS

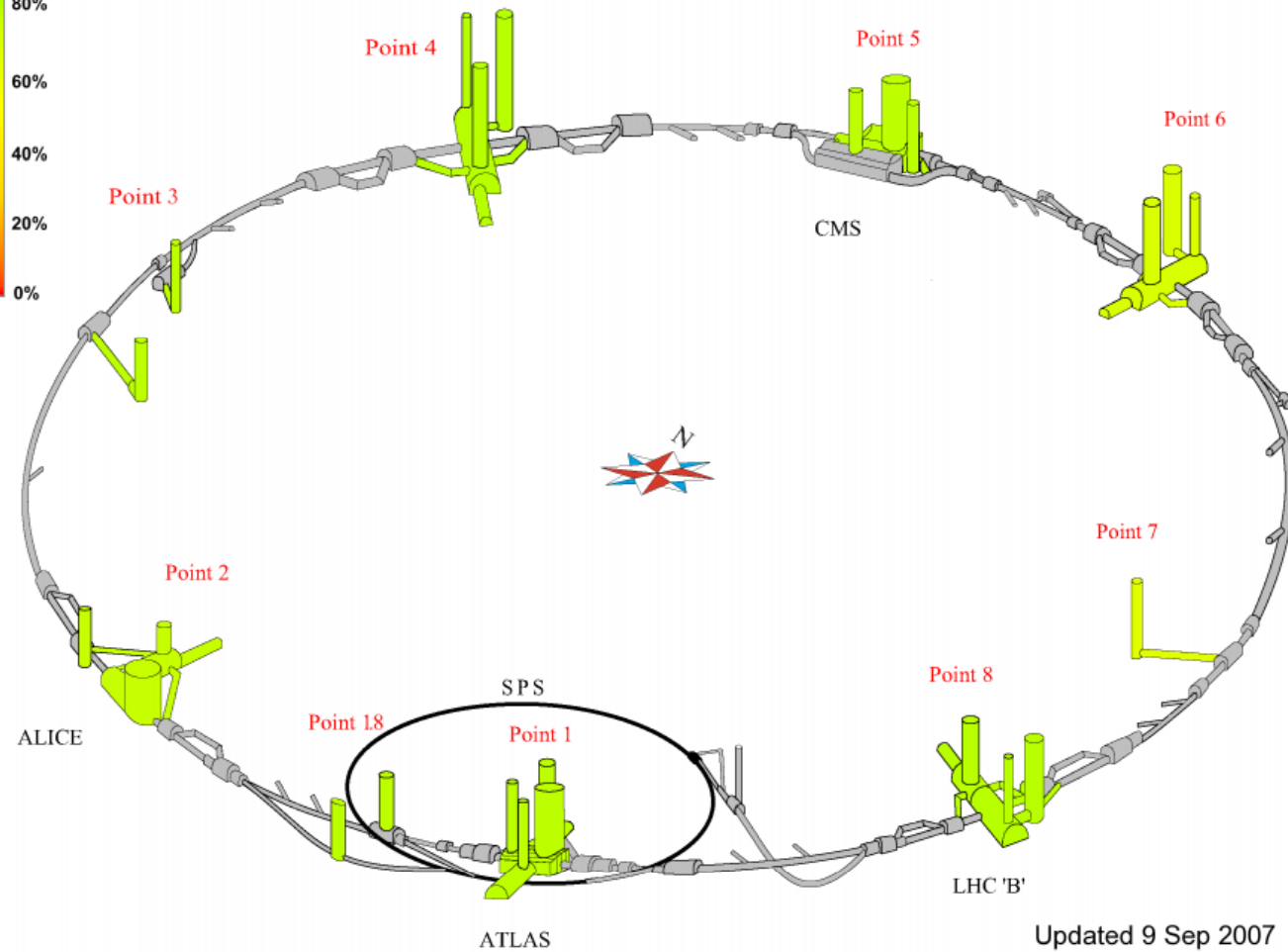
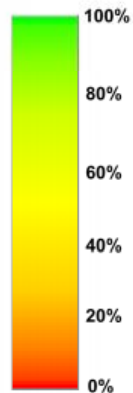
Write rights & NCRs creation	To be notified of NCRs	Management of NCRs	NCRs approval
"LHC-HWC-BCT-MTF Group + role LHC-HWC-BCT in context LHC-HWC-MTF and D7i: JJGras, Patrick Odier, David Belohrad "	"4 notifications (LHC-HWC-BCT-%) based on role CERN-PE and LHC-HWC-15 EDMS list: :JJGras, Patrick Odier, David Belohrad"	"CERN-PE in LHC-HWC-BCT-MTF (ORG-002335) Context: JJ Gras, Patrick Odier, David Belohrad"	LHC-HWC-16 EDMS list: JJGras, Patrick Odier

Access Rights as they are today for BCTs

## Progress of individual System Tests of Radiation Monitoring

- GENERAL STATISTICS
- UPLOAD BY REGION
- UPLOAD BY SLOT CLASS

31.83%	AC Distribution
0%	Beam Dumping
7.01%	Beam Instrumentation
4.51%	Circuits
86.79%	Cooling
0%	Collimators
66.67%	Ventilation
4.4%	Cryogenics
14.29%	DFB
19.72%	EIQA
96.54%	Energy Extraction
63.89%	Power Cables
86.97%	Power Converters
95.9%	Powering Interlocks
10.8%	Quench Protection
67.5%	Radiation Monitoring
0%	Radio Frequency
77.29%	Worldfip Segments
10.24%	LHC Access
33.83%	Warm Magnets



# Radiation Monitoring

Class Description	<b>Radiation Monitoring - Standard RP &amp; Radiation Monitoring Air, Water, Standalone</b>
Class Code	<b>PM01 / PM02</b>
Responsible	<b>Luigi Scibile, Ali Day, Daniel Perrin</b>
Number of Slots	<b>80 / 75</b>
Number steps	<b>11 / 9</b>
Number of properties	<b>1 / 1 (EDMS Procedure)</b>
% steps uploaded	<b>70% / 87%</b>
% properties uploaded	<b>N/A</b>
Documents	<b>19% / 25 % entries</b>
Comments	<b>56% / 62% entries</b>
NCRs	<b>none</b>
Upload type	<b>40% manual 60% automatic</b>
Upload particularities	<b>none</b>
Access Rights	<b>See next slide</b>
Layout Database-MTF Link	<b>?</b>
Expected Modifications	<b>NO</b>

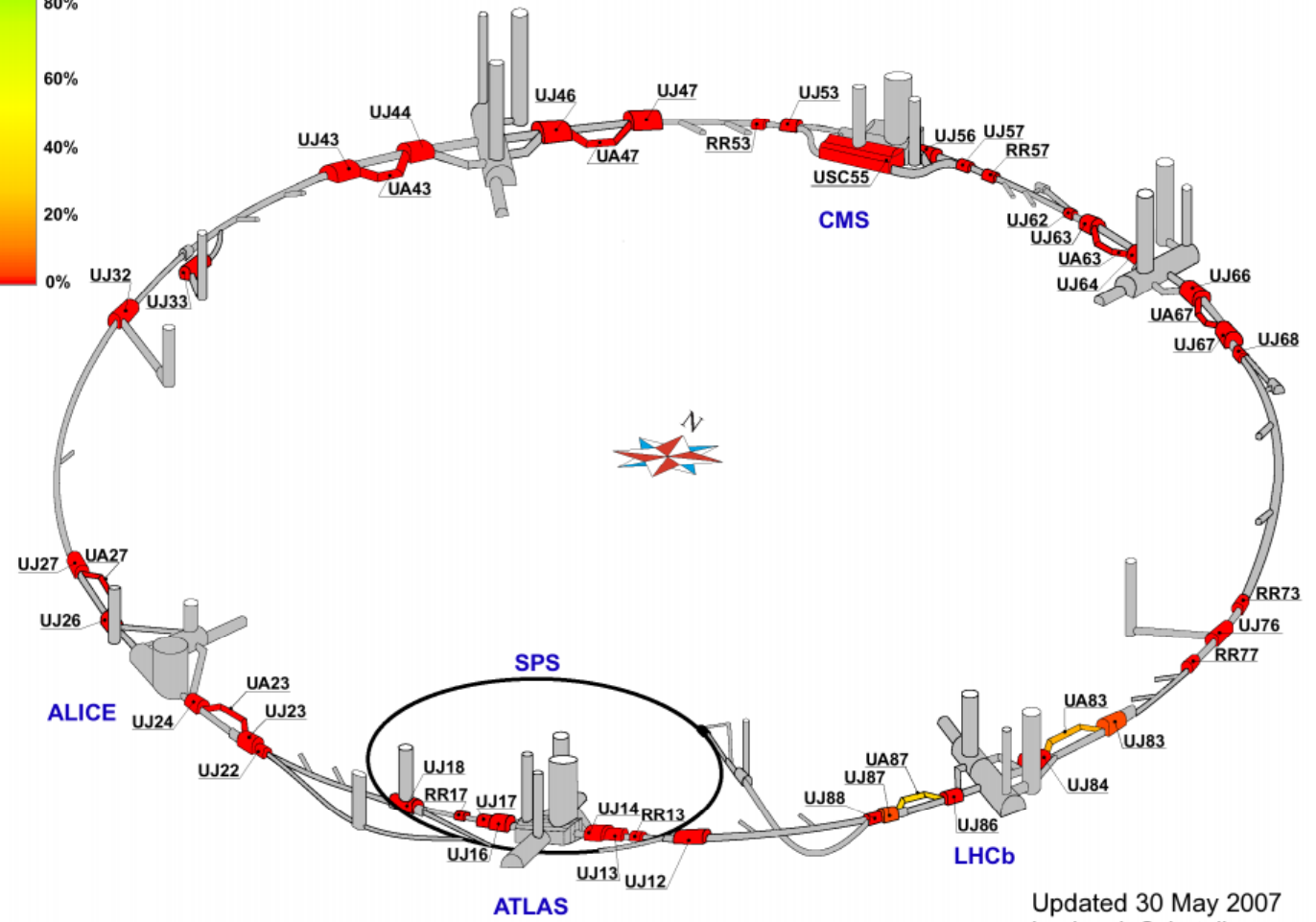
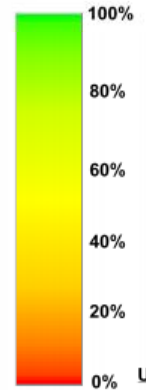
Write rights & NCRs creation	To be notified of NCRs	Management of NCRs	NCRs approval
<p>LHC-HWC-RADIATION-MONITORING-MTF Group + role LHC-HWC-R-MONITORING in context LHC-HWC-MTF and D7i:</p> <p>Ali Day, Luigi Scibile, Daniel Perrin</p>	<p>4 notifications (LHC-HWC-R-MONITORI-%) based on role CERN-PE and LHC-HWC-33:</p> <p>Ali Day, Luigi Scibile, Daniel Perrin</p>	<p>CERN-PE in LHC-HWC-RADIATION-MONITORING-MTF (ORG-002358) Context:</p> <p>Ali Day, Luigi Scibile, Daniel Perrin</p>	<p>LHC-HWC-32 EDMS List:</p> <p>Ali Day, Luigi Scibile, Daniel Perrin</p>

Access Rights as they are today for RAMSES

## Progress of Individual System Tests of AC Distribution

- GENERAL STATISTICS
- UPLOAD BY REGION
- UPLOAD BY SLOT CLASS

31.83%	AC Distribution
0%	Beam Dumping
7.01%	Beam Instrumentation
4.51%	Circuits
86.79%	Cooling
0%	Collimators
66.67%	Ventillation
4.4%	Cryogenics
14.29%	DFB
19.72%	EIQA
96.54%	Energy Extraction
63.89%	Power Cables
86.97%	Power Converters
95.9%	Powering Interlocks
10.8%	Quench Protection
67.5%	Radiation Monitoring
0%	Radio Frequency
77.29%	Worldfip Segments
10.24%	LHC Access
33.83%	Warm Magnets



Updated 30 May 2007  
by Jacek Szutnik

# AC Distribution

## Slot Folder: Installation Jobs

**Slot Identifier:** E.UA63

**Other Identifier:** None

**Description:** AC Distribution for Hardware Commissioning

Main   Slot data   <b>Installation &amp; Commissioning</b>   Operation   Documents   History									
Actions : <b>Create Job</b>									
Job Id	R/E	Status	Res.	Description	Started	Show Last Repeated		Ended	NC
<a href="#">14286025</a>		Done	Ok	10-AC Distribution Radio Frequency (*)	2007-08-30			2007-08-30	
<a href="#">14286026</a>		Cancelled	Cancelled	12-AC Distribution Beam Instrumentation	2007-08-30			2007-08-30	
<a href="#">14286027</a>		Done	Ok	14-AC Distribution Controls and Communication (*)	2007-08-30			2007-08-30	
<a href="#">14286028</a>		Done	Ok	16-AC Distribution Electricity, QPS, Busbars (*)	2007-08-30			2007-08-30	
<a href="#">14286029</a>		In Progress	Ok	18-AC Distribution Electricity (*)	2007-08-30				
<a href="#">14286030</a>		Cancelled	Cancelled	20-AC Distribution Fluids	2007-08-30			2007-08-30	
<a href="#">14286031</a>		Cancelled	Cancelled	22-AC Distribution Survey	2007-08-30			2007-08-30	
<a href="#">14286032</a>		Cancelled	Cancelled	24-AC Distribution Mech. Support,Transport	2007-08-30			2007-08-30	
<a href="#">14286033</a>		Cancelled	Cancelled	26-AC Distribution Injection	2007-08-30			2007-08-30	
<a href="#">14286034</a>		Cancelled	Cancelled	28-AC Distribution Infrastructure	2007-08-30			2007-08-30	
<a href="#">14286035</a>		Cancelled	Cancelled	30-AC Distribution Civil Engineering	2007-08-30			2007-08-30	
<a href="#">14286036</a>		Cancelled	Cancelled	32-AC Distribution Layout	2007-08-30			2007-08-30	
<a href="#">14286037</a>		Done	Ok	34-AC Distribution Magnets (*)	2007-08-30			2007-08-30	
<a href="#">14286038</a>		Cancelled	Cancelled	36-AC Distribution Particle Sources	2007-08-30			2007-08-30	
<a href="#">14286039</a>		Cancelled	Cancelled	38-AC Distribution Personnel Safety	2007-08-30			2007-08-30	
<a href="#">14333950</a>		Cancelled	Cancelled	40-AC Distribution Cryogenics	2007-08-30			2007-08-30	
<a href="#">14286040</a>		In Progress	Ok	42-AC Distribution Power Converters (*)	2007-08-30				
<a href="#">14286041</a>		Cancelled	Cancelled	44-AC Distribution General Safety	2007-08-30			2007-08-30	
<a href="#">14286042</a>		Cancelled	Cancelled	46-AC Distribution Dumps, Targets,Collimators	2007-08-30			2007-08-30	
<a href="#">14286043</a>		Cancelled	Cancelled	48-AC Distribution Cooling and Ventilation	2007-08-30			2007-08-30	
<a href="#">14286044</a>		Done	Ok	50-AC Distribution Vacuum (*)	2007-08-30			2007-08-30	
<a href="#">14333997</a>		Cancelled	Cancelled	52-AC Distribution Experiments	2007-08-30			2007-08-30	
<a href="#">14286045</a>		Cancelled	Cancelled	54-AC Distribution Access System	2007-08-30			2007-08-30	
<a href="#">14286046</a>		Cancelled	Cancelled	56-AC Distribution Electrostatic System	2007-08-30			2007-08-30	

# AC Distribution



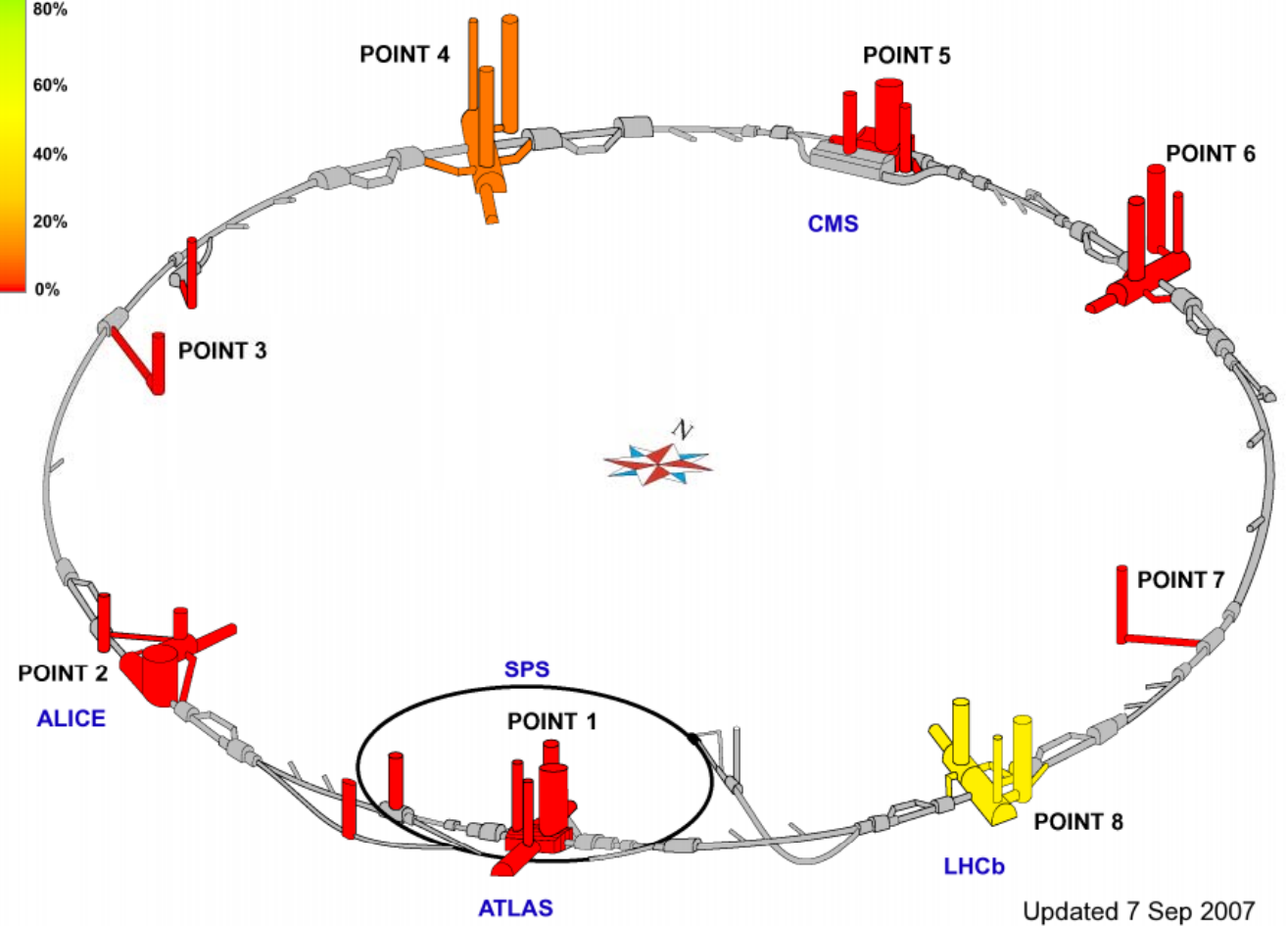
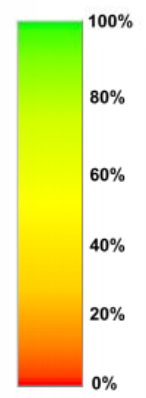
Write rights & NCRs creation	To be notified of NCRs	Management of NCRs	NCRs approval
LHC-HWC-AC-DISTR-MTF Group + role LHC-HWC-AC in context LHC-HWC-MTF and D7i: S.Brown, Felix Rodriguez Mateos	4 notifications (LHC-HWC-AC-DISTR-%) based on role CERN-PE and LHC-HWC-29: SBROWN, Felix Rodriguez Mateos	CERN-PE in LHC-HWC-AC-DISTRIBUTION-MTF (ORG-002356) Context: SBROWN, Felix Rodriguez Mateos	LHC-HWC-28 EDMS List: SBROWN, Felix Rodriguez Mateos

Access Rights as they are today for AC Distribution

## Progress of LHC Access System

- GENERAL STATISTICS
- UPLOAD BY REGION
- UPLOAD BY SLOT CLASS

31.83%	AC Distribution
0%	Beam Dumping
7.01%	Beam Instrumentation
4.51%	Circuits
86.79%	Cooling
0%	Collimators
66.67%	Ventilation
4.4%	Cryogenics
14.29%	DFB
19.72%	EIQA
96.54%	Energy Extraction
63.89%	Power Cables
86.97%	Power Converters
95.9%	Powering Interlocks
10.8%	Quench Protection
67.5%	Radiation Monitoring
0%	Radio Frequency
77.29%	Worldfip Segments
10.24%	LHC Access
33.83%	Warm Magnets

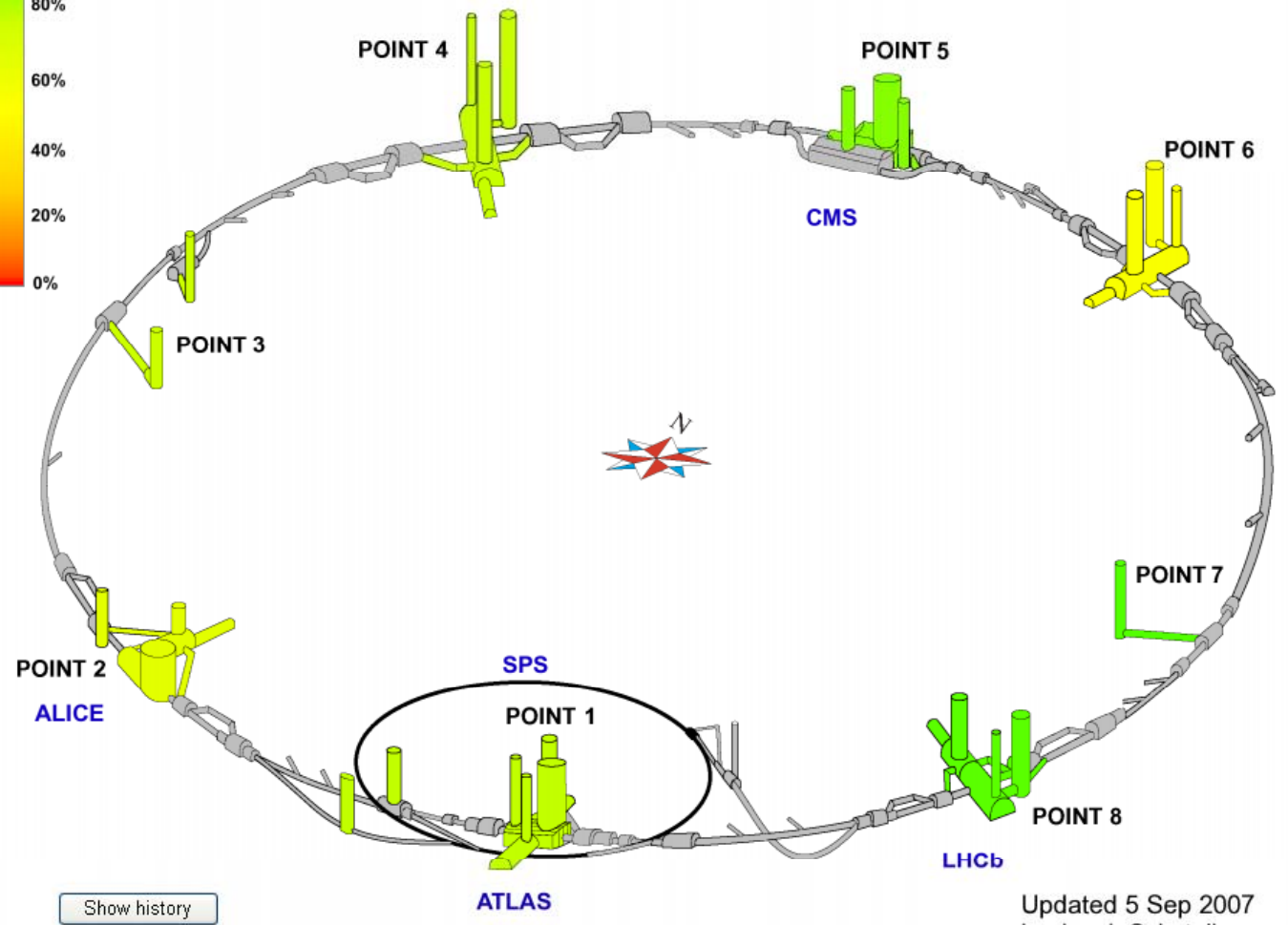
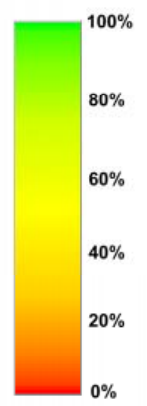


Updated 7 Sep 2007  
by Jacek Szkutnik

# LHC Access

- GENERAL STATISTICS
- UPLOAD BY REGION
- UPLOAD BY SLOT CLASS

31.83%	AC Distribution
0%	Beam Dumping
7.01%	Beam Instrumentation
4.53%	Circuits
86.79%	Cooling
66.67%	Ventilation
4.4%	Cryogenics
14.29%	DFB
19.72%	EIQA
96.54%	Energy Extraction
63.89%	Power Cables
87.5%	Power Converters
95.9%	Powering Interlocks
10.8%	Quench Protection
67.5%	Radiation Monitoring
0%	Radio Frequency
77.29%	Worldfip Segments
33.83%	Warm Magnets



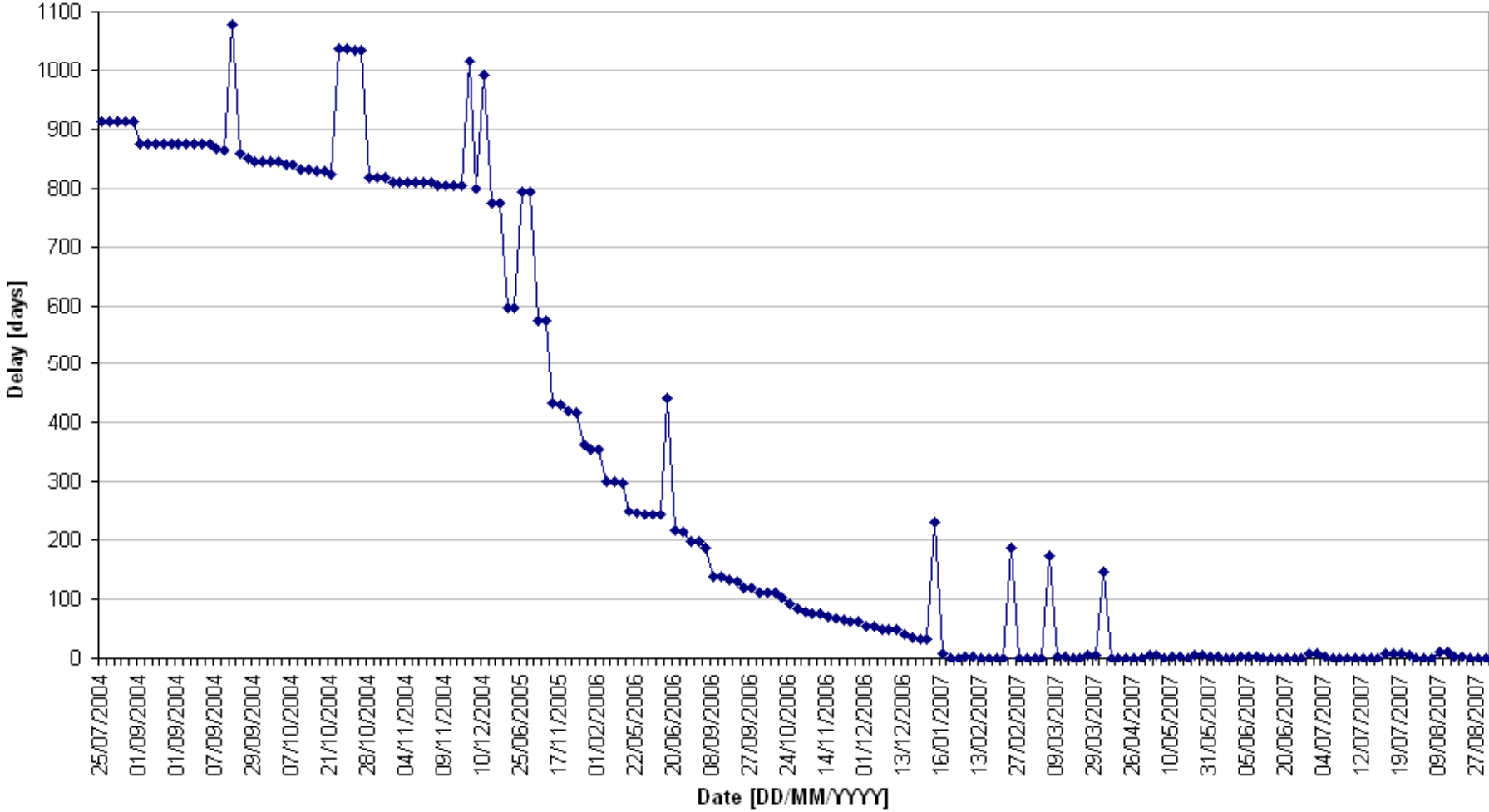
Show history

Updated 5 Sep 2007  
by Jacek Szkutnik

# WorldFip Segments

Class Description	WorldFip Segment
Class Code	<b>CBW1</b>
Responsible	<b>Claude Dehavay</b>
Number of Slots	<b>245</b>
Number steps	<b>1</b>
Number of properties	<b>1 (EDMS Procedure)</b>
% steps uploaded	<b>75%</b>
% properties uploaded	<b>N/A</b>
Documents	<b>100% entries</b>
Comments	<b>4% entries</b>
NCRs	<b>none</b>
Upload type	<b>96% automatic upload</b>
Upload particularities	<b>none</b>
Access Rights	<b>See next slide</b>
Layout Database-MTF Link	<b>Slots not declared as such in the Layout</b>
Expected Modifications	<b>Adding properties</b>

### WorldFip Segments - Individual System Tests



Write rights & NCRs creation	To be notified of NCRs	Management of NCRs	NCRs approval
LHC-HWC-CONTROLS-MTF Group + role LHC-HWC-CONTROL in context LHC-HWC-MTF and D7i: Raymond Brun, Julien Palluel, Claude Dehavay,	"4 notifications (LHC-HWC-CONTROLS-%) based on role CERN-PE and LHC-HWC-25: Jean-Claude Guillaume, Claude Dehavay, R.Brun, J.Palluel"	"CERN-PE in LHC-HWC-CONTROLS-WORLDFIP-MTF (ORG-001973) Context: Raymond Brun, Julien Palluel"	LHC-HWC-02 EDMS List: Raymond Brun, Julien Palluel, Claude Dehavay, Jean-Claude Guillaume
Jean-Claude GUILLAUME			

Jean-Claude Guillaume should not be there ?

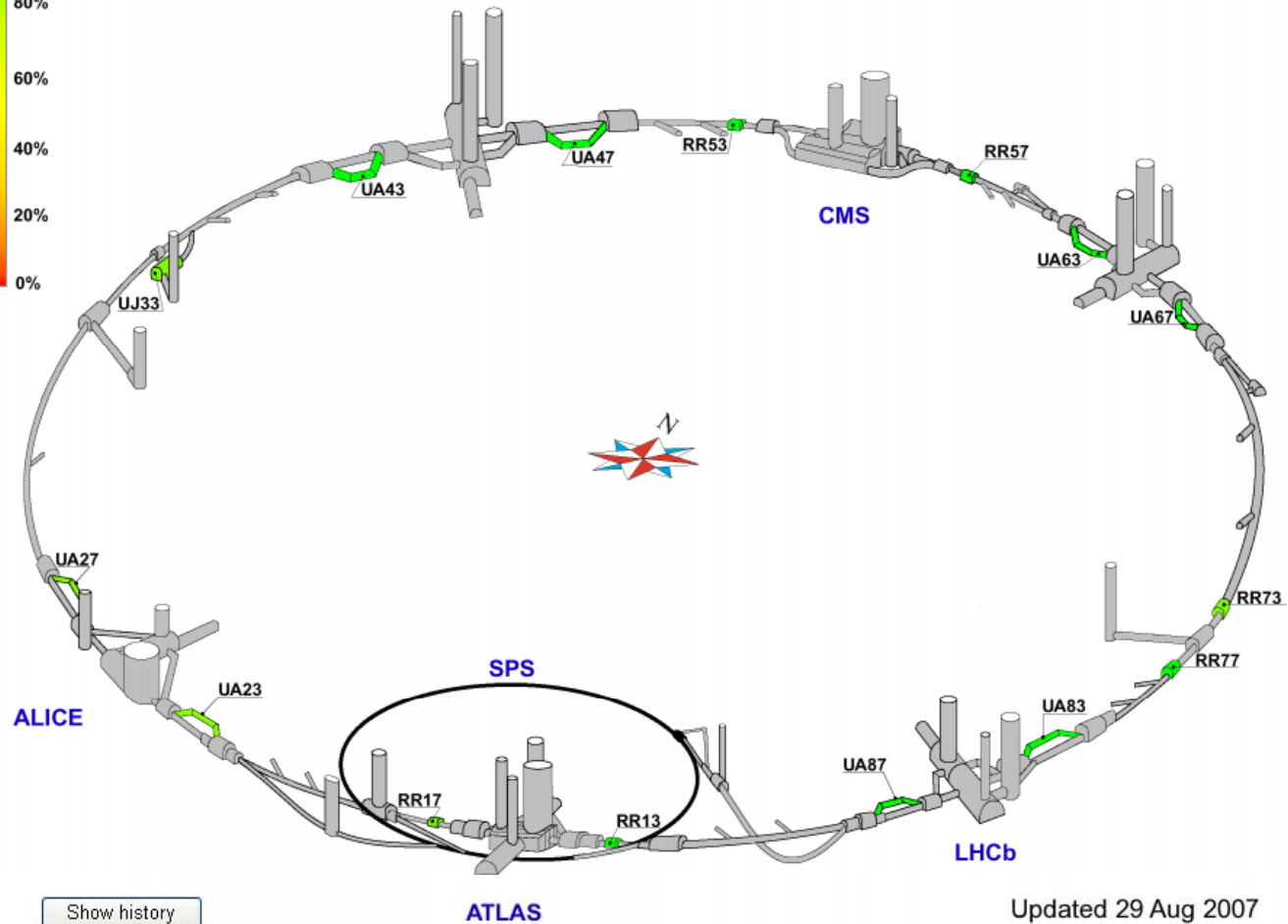
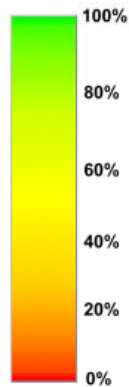
Access Rights as they are today for WorldFip Segments

# 600 A Energy Extraction System

## Progress of individual System Tests of 600A Energy Extraction

- GENERAL STATISTICS
- UPLOAD BY REGION
- UPLOAD BY SLOT CLASS

0.89%	AC Distribution
0%	Beam Dumping
6.56%	Beam Instrumentation
4.42%	Circuits
84.84%	Cooling
66.67%	Ventilation
3.7%	Cryogenics
14.29%	DFB
13.21%	EIQA
94.6%	Energy Extraction
94.93%	600A
78.13%	13bA
60.97%	Power Cables
80.15%	Power Converters
42.82%	Powering Interlocks
10.8%	Quench Protection
62.27%	Radiation Monitoring
0%	Radio Frequency
67.73%	Worldfip Segments
33.83%	Warm Magnets



Updated 29 Aug 2007  
by Jacek Szutnik

# 600 A Energy Extraction System



## Slot Folder: Installation Jobs

**Slot Identifier:** DQEMC.RCD.A45B2  
**Other Identifier:** HCDQEMC001\_BI-000022  
**Description:** 600A Energy Extraction System

Job Id	R/E	Status	Res.	Description	Started	Ended	Show Last Repeated
<a href="#">14063664</a>		Done	Ok	04-Factory Tests at BINP	2005-02-01	2005-03-01	NC
<a href="#">14063866</a>		Done	Ok	06-Surface Tests at CERN ISR	2005-05-01	2005-06-20	
<a href="#">13577841</a>		Done	Ok	10-Isolation Test	2006-01-31	2006-01-31	
<a href="#">13577842</a>		Done	Ok	12-Interlock, Faults and Time Interval	2006-02-02	2006-02-15	
<a href="#">13577843</a>		Done	Ok	14-Current Distribution and FPA Loop	2006-02-16	2006-02-17	
<a href="#">13577844</a>		Done	Ok	16-PCSCT 8-Hour Heat Run	2006-02-24	2006-02-24	
<a href="#">13577845</a>	S	Done	Ok	18-PCSCT 24-Hour Heat Run	2006-03-06	2006-03-07	
<a href="#">13586907</a>		Done	Ok	20-Endurance Test	2006-04-05	2006-05-05	

+ step 22-PLI T-open at  $\geq 200A$

**Slot Identifier:** DQEMC.RCD.A45B2  
**Other Identifier:** HCDQEMC001\_BI-000022  
**Description:** 600A Energy Extraction System

Main Slot data Installation & Commissioning Operation Non-conformities Documents History

Actions : Edit

External Links

No external data link exists

Property Values

Property	Nominal Value	Value	Unit
<b>Factory Tests at BINP</b>			
FT Dump Resistor Value		0.703	ohm
FT A Breaker IRD		6.2	ms
FT A Breaker ZVRD		10.6	ms
FT A Breaker MSW		11.9	ms
FT B Breaker IRD		5.7	ms
FT B Breaker ZVRD		11.1	ms
FT B Breaker MSW		11.1	ms
FT Z Breaker IRD		6.1	ms
FT Z Breaker ZVRD		11	ms
FT Z Breaker MSW		11.6	ms
FT Time int. Normal Mode		10.6	ms
FT Time int. SOF mode			ms
FT Ura		81.3	mV
FT Urb		85.2	mV
FT Urc		75.9	mV
FT Uttotal		338	mV

Surface Tests at CERN ISR

ST Isolation Value	13	Gohm
ST A Breaker IRD	6.3	ms
ST A Breaker ZVRD	11.1	ms
ST A Breaker MSW	13.1	ms
ST B Breaker IRD	5.6	ms
ST B Breaker ZVRD	11.5	ms
ST B Breaker MSW	12.8	ms
ST Z Breaker IRD	5.7	ms
ST Z Breaker ZVRD	11	ms
ST Z Breaker MSW	12.7	ms
ST Time int. Normal Mode	12.2	ms
ST Time int. SOF mode	43.2	ms
ST Ura	91.5	mV
ST Urb	76	mV
ST Urc	76.1	mV
ST Uttotal	332	mV

Isolation Test

Isolation Value	13	Gohm
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Interlock and faults

A Breaker IRD	15.4	ms
A Breaker ZVRD	20.2	ms
A Breaker MSW		ms
B Breaker IRD	14.6	ms
B Breaker ZVRD	20.2	ms
B Breaker MSW		ms
Z Breaker IRD	45.4	ms
Z Breaker ZVRD	49.6	ms
Z Breaker MSW		ms
Time interval-Normal Mode		ms
Time interval - SOF mode		ms

Current Distribution

Ura	105.2	mV
Urb	80.8	mV
Urc	62.2	mV
Uttotal	409	mV

EDMS Procedure

+ properties

Opening time:  $T$  [ms]

Magnet/circuit current level:  $I$  [A]

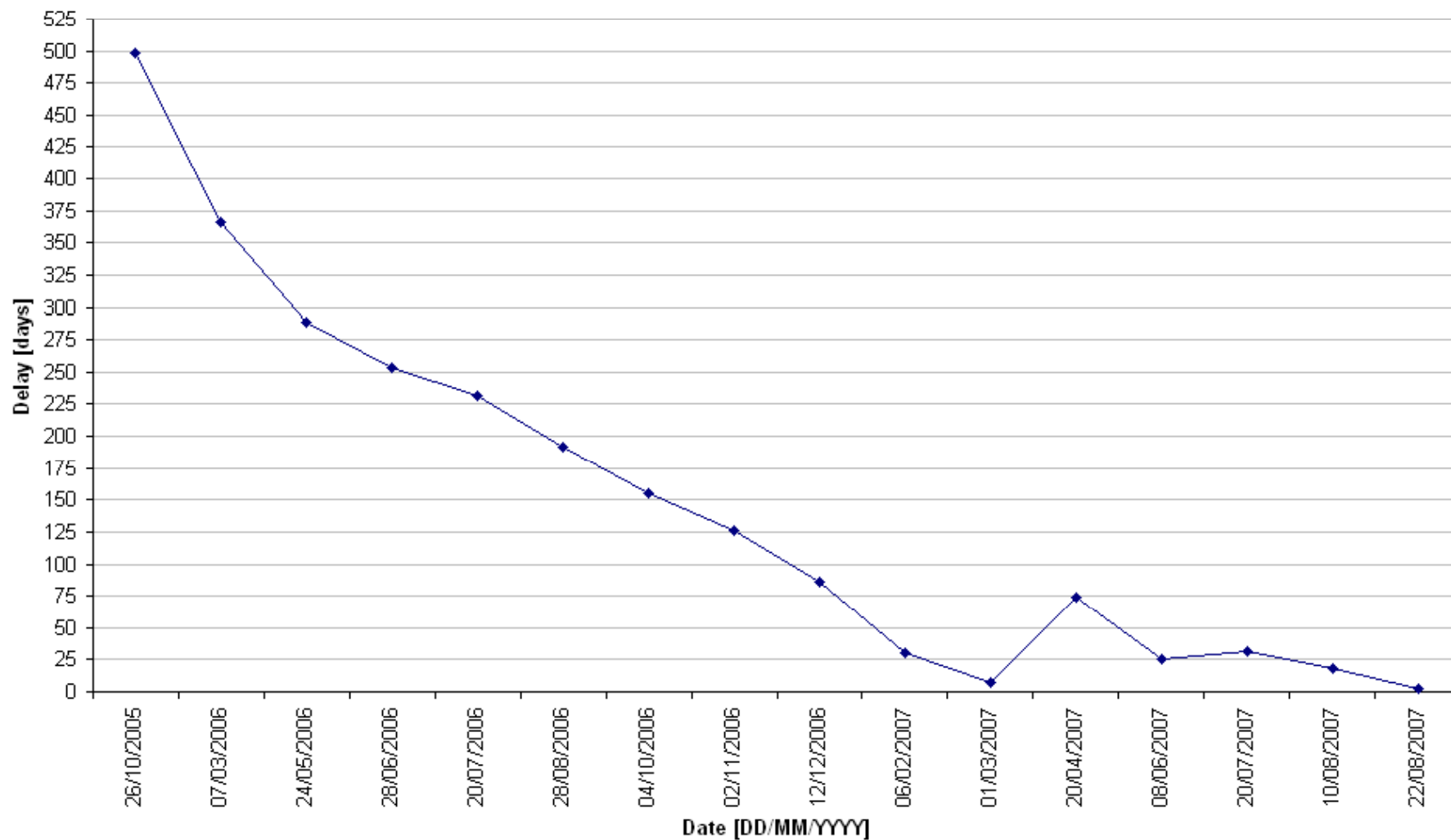
Maximum extraction resistor voltage:  $U$  [V]

Class Description	<b>600 A Energy Extraction</b>
Class Code	<b>DQE1</b>
Responsible	<b>Gert-Jan Coelingh</b>
Number of Slots	<b>202</b>
Number steps	<b>8</b>
Number of properties	<b>49</b>
% steps uploaded	<b>96%</b>
% properties uploaded	<b>79%</b>
Documents	<b>48% entries</b>
Comments	<b>2% entries</b>
NCRs	<b>204 NCRs (closed) + 2 x 202 to be added</b>
Upload type	<b>98% Automatic</b>
Upload particularities	Property extraction from XLS files by HC
Access Rights	A.Gomez Alonso, A.Hilaire should be removed
Layout Database-MTF Link	<b>No – Requested by EE</b>
Expected Modifications	<b>YES – 1 step + associated 3 properties</b> <b>Monthly switch opening tests &amp; maintenance period</b> <b>From HC: possibility of extracting a template for new test with Slot ID &amp; Other Identifier</b>

Write rights & NCRs creation	To be notified of NCRs	Management of NCRs	NCRs approval
<p>LHC-HWC-ENERGY-E-MTF Group + role LHC-HWC-ENERGY-EXTRA in context LHC-HWC-MTF and D7i:</p> <p>K-H.Mess, G.Coelingh, K.Dahlerup-Petersen, R.Denz, N.Fournier, A.Gomez Alonso,</p>	<p>4 notifications (LHC-HWC-ENERGY-%) based on role CERN-PE and LHC-HWC-27:</p> <p>K-H.Mess, G.Coelingh, K.Dahlerup-Petersen, R.Denz</p>	<p>CERN-PE in LHC-HWC-ENERGY-EXTRACTION-MTF (ORG-002354) Context:</p> <p>K-H.Mess, G.Coelingh, K.Dahlerup-Petersen, R.Denz</p>	<p>LHC-HWC-26 EDMS List:</p> <p>K-H.Mess, G.Coelingh, K.Dahlerup-Petersen, R.Denz,</p>
<p>A.Hilaire, J.Mourao</p>			

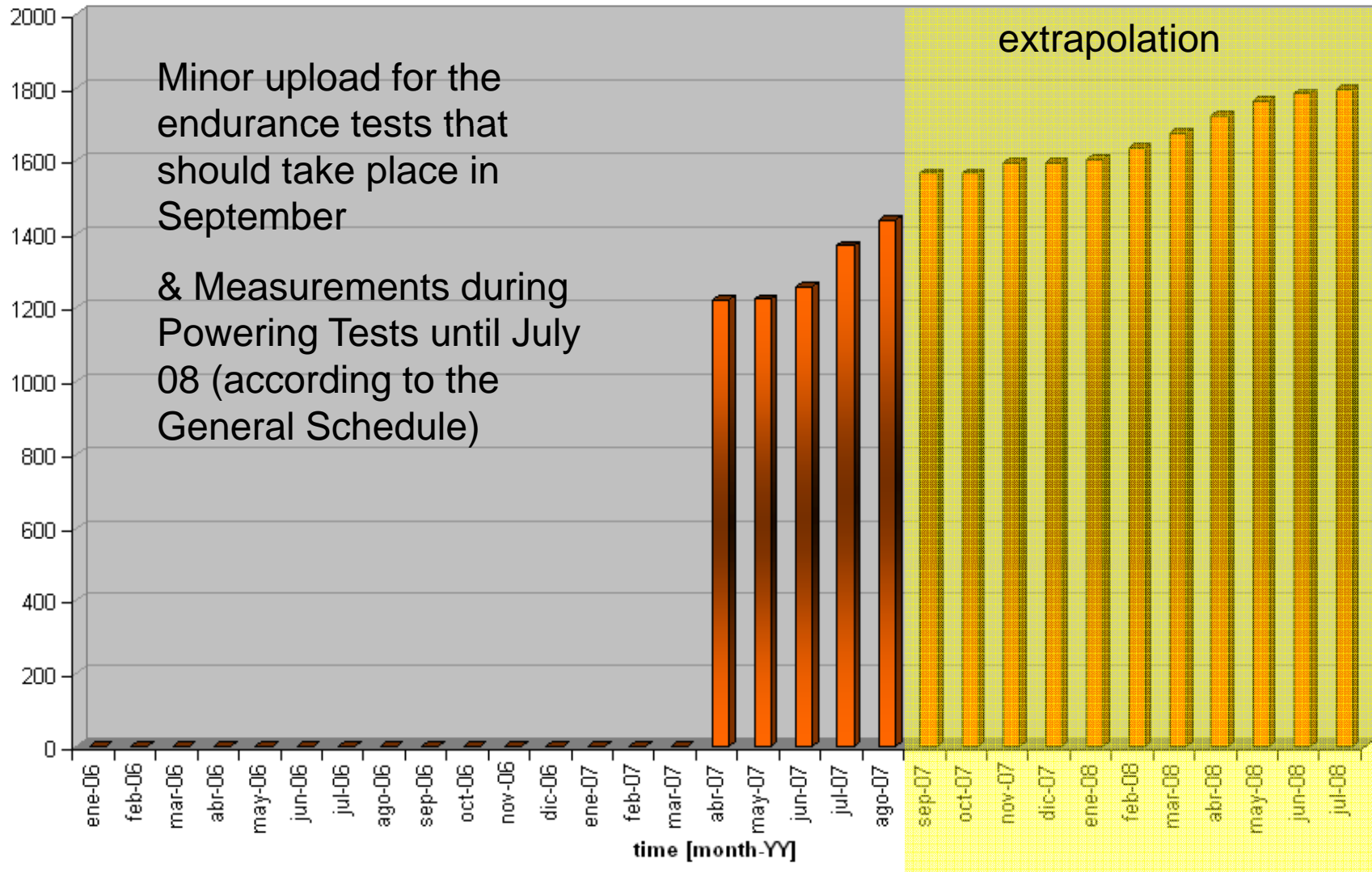
Access Rights as they are today for 600 A Energy Extraction System

600 A EE - 24h Heat Run Upload Delay



Upload delays have decreased from a few months mid 2006 to a few weeks in 2007

600A Energy Extraction System



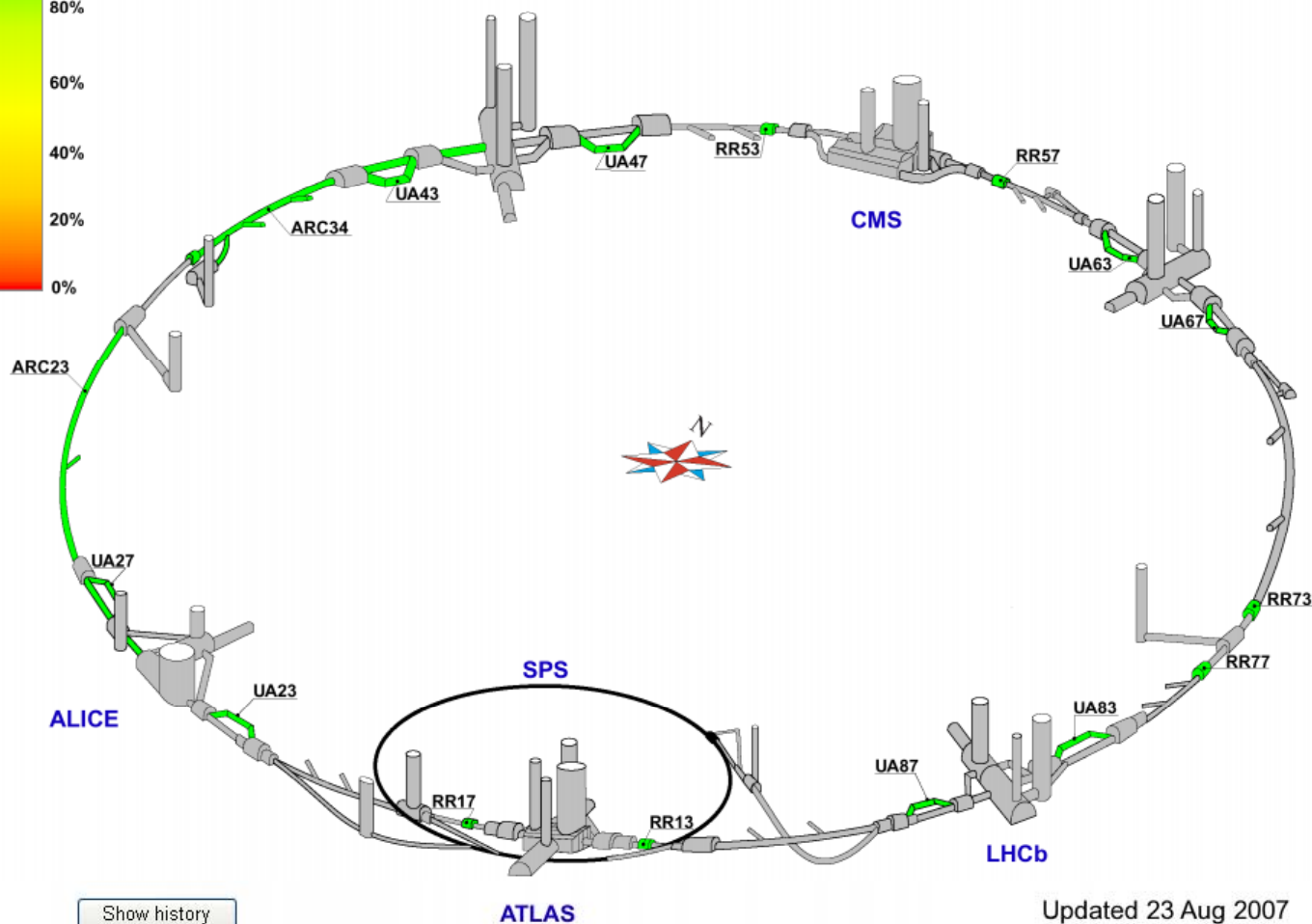
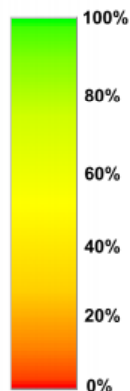
Upload Rate up to August 07 and Expectations up to July 08

# 13kA Energy Extraction System

## Progress of individual System Tests of 13kA Energy Extraction

- GENERAL STATISTICS
- UPLOAD BY REGION
- UPLOAD BY SLOT CLASS

0.89%	AC Distribution
0%	Beam Dumping
6.56%	Beam Instrumentation
4.42%	Circuits
84.84%	Cooling
66.67%	Ventilation
3.7%	Cryogenics
14.29%	DFB
13.21%	EIQA
94.17%	Energy Extraction
94.49%	600A
78.13%	13kA
60.97%	Power Cables
79.53%	Power Converters
42.82%	Powering Interlocks
10.8%	Quench Protection
58.86%	Radiation Monitoring
0%	Radio Frequency
67.73%	Worldfip Segments
33.83%	Warm Magnets



Updated 23 Aug 2007  
by Jacek Szkutnik

# 13kA Energy Extraction System



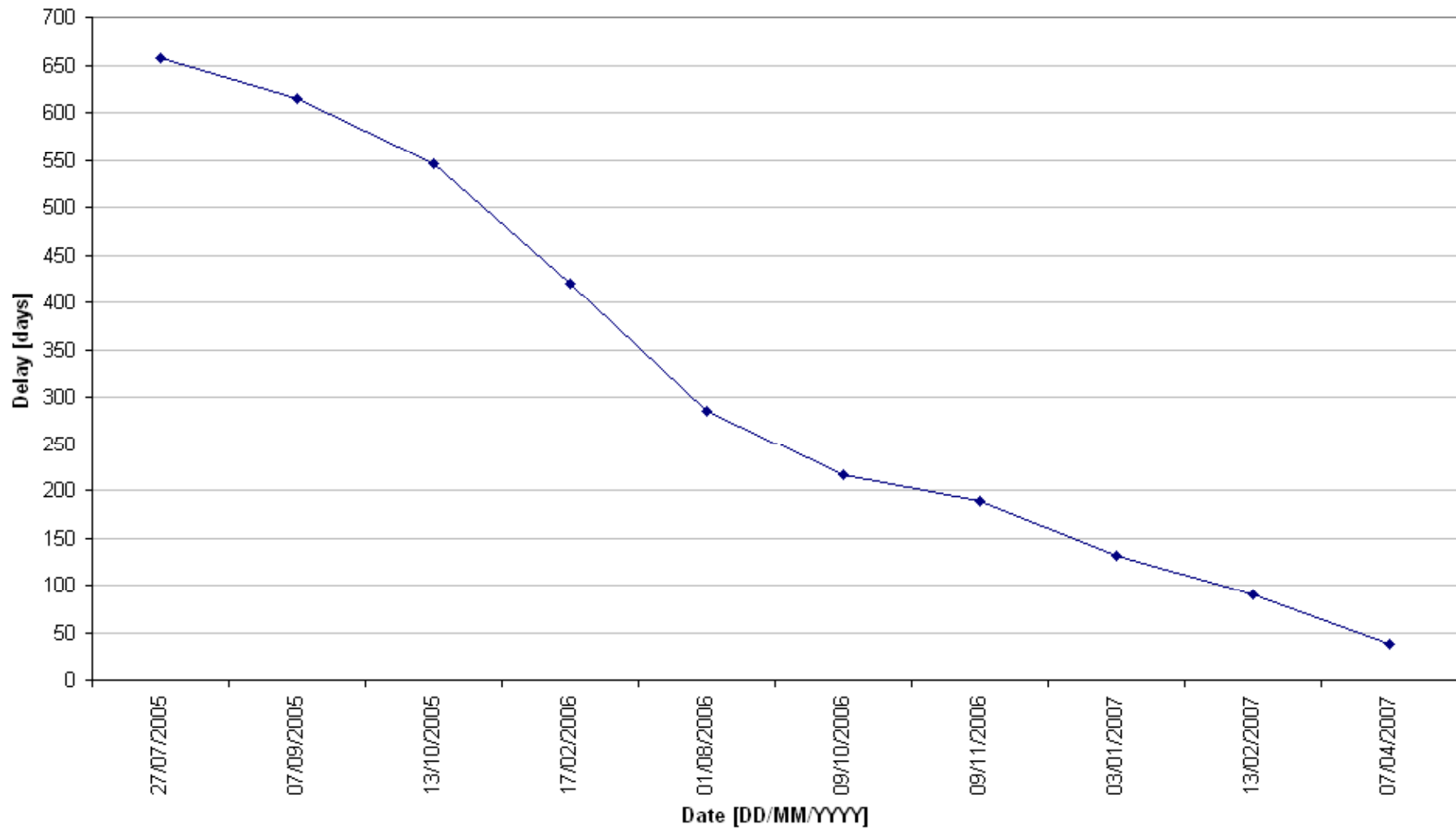
## Slot Folder: Installation Jobs

**Slot Identifier:** DQEE.RB.A45.UA47  
**Other Identifier:** None  
**Description:** 13kA Energy Extraction System

Job Id	R/E	Status	Res.	Description	Started	Ended	NC
<a href="#">14016359</a>		Done	Ok	10-Individual System Tests	2005-07-27	2005-07-27	

# 13kA Energy Extraction System

13 kA EE - Individual System test step Upload Delay



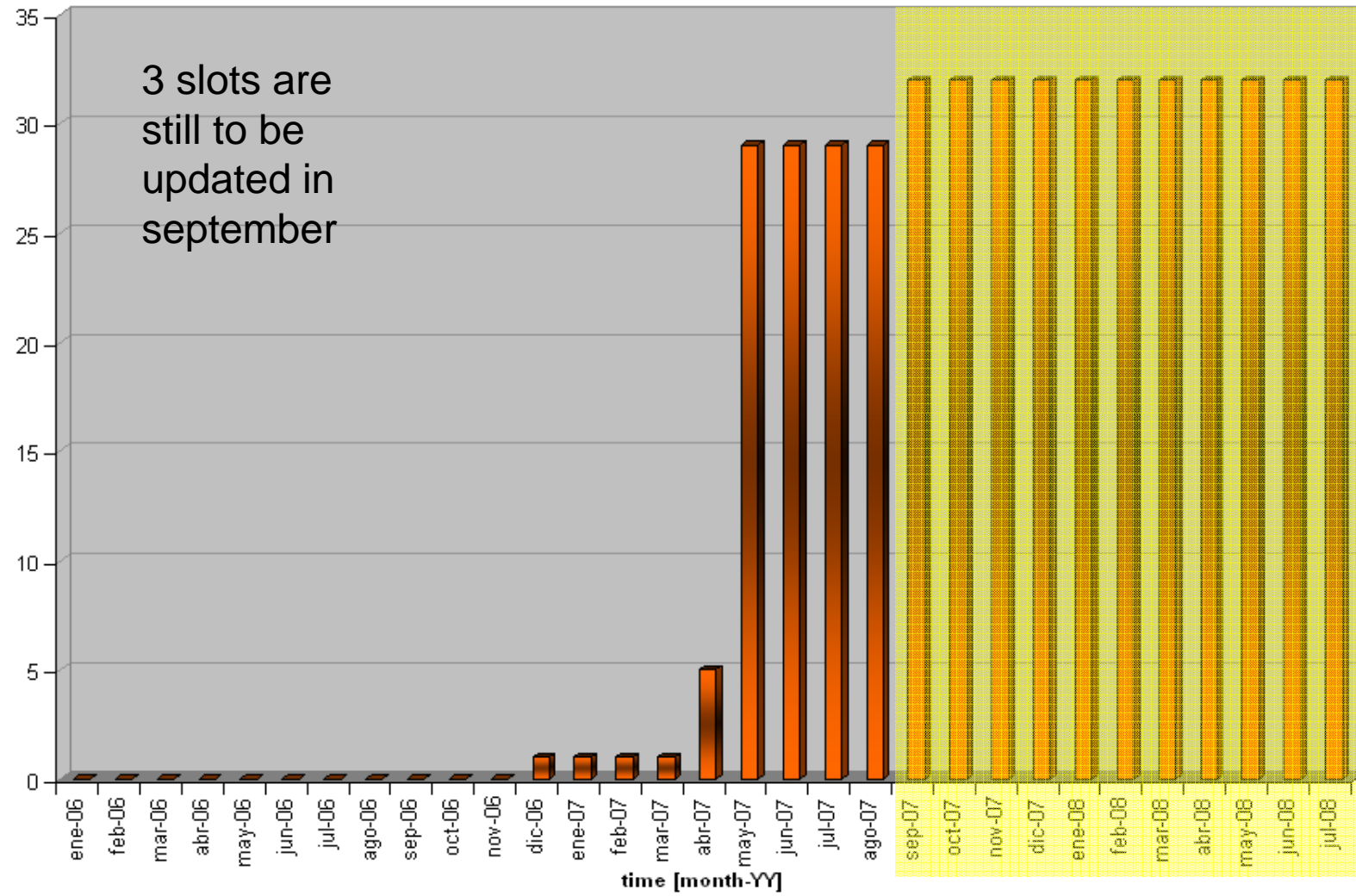
# 13kA Energy Extraction System

Class Description	<b>13 kA Energy Extraction</b>
Class Code	<b>DQE2</b>
Responsible	<b>Knud Dahlerup-Petersen</b>
Number of Slots	<b>32</b>
Number steps	<b>1</b>
Number of properties	<b>1 (EDMS Procedure)</b>
% steps uploaded	<b>90%</b>
% properties uploaded	<b>N/A</b>
Documents	<b>78% entries</b>
Comments	<b>3%</b>
NCRs	<b>none</b>
Upload type	<b>94% Automatic</b>
Upload particularities	<b>none</b>
Access Rights	<b>See next slide</b>
Expected Modifications	<b>NO</b>

Write rights & NCRs creation	To be notified of NCRs	Management of NCRs	NCRs approval
<p>LHC-HWC-ENERGY-E-MTF Group + role LHC-HWC-ENERGY-EXTRA in context LHC-HWC-MTF and D7i:</p> <p>K-H.Mess, G.Coelingh, K.Dahlerup-Petersen, R.Denz, N.Fournier, A.Gomez Alonso,</p>	<p>4 notifications (LHC-HWC-ENERGY-%) based on role CERN-PE and LHC-HWC-27:</p> <p>K-H.Mess, G.Coelingh, K.Dahlerup-Petersen, R.Denz</p>	<p>CERN-PE in LHC-HWC-ENERGY-EXTRACTION-MTF (ORG-002354) Context:</p> <p>K-H.Mess, G.Coelingh, K.Dahlerup-Petersen, R.Denz</p>	<p>LHC-HWC-26 EDMS List:</p> <p>K-H.Mess, G.Coelingh, K.Dahlerup-Petersen, R.Denz,</p>
<p>A.Hilaire, J.Mourao</p>			

Access Rights as they are today for 13 kA Energy Extraction System

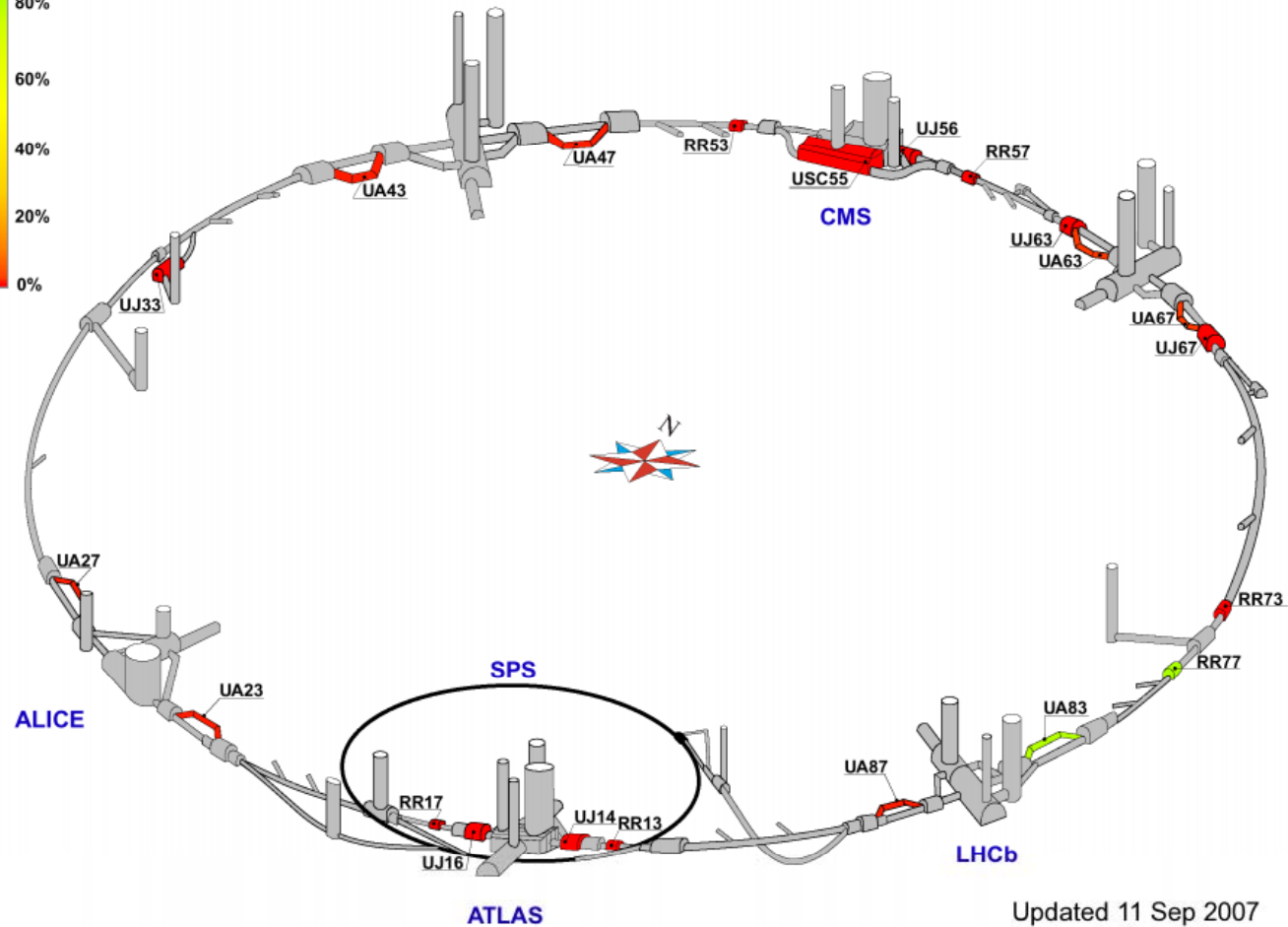
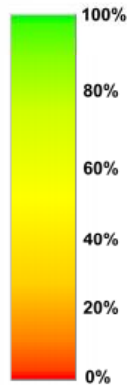
### 13kA Energy Extraction System



## Progress of Individual System Tests of Quench Protection Systems

- GENERAL STATISTICS
- UPLOAD BY REGION
- UPLOAD BY SLOT CLASS

31.83%	AC Distribution
0%	Beam Dumping
7.01%	Beam Instrumentation
4.51%	Circuits
86.79%	Cooling
0%	Collimators
66.67%	Ventillation
4.4%	Cryogenics
14.29%	DFB
19.72%	EIQA
96.54%	Energy Extraction
63.89%	Power Cables
88.2%	Power Converters
95.9%	Powering Interlocks
10.8%	Quench Protection
67.5%	Radiation Monitoring
0%	Radio Frequency
77.29%	Worldfip Segments
10.24%	LHC Access
33.83%	Warm Magnets



Updated 11 Sep 2007  
by Jacek Szkutnik

# Quench Protection System

## Slot Folder: Installation Jobs

**Slot Identifier:** DQ.RQD.A67  
**Other Identifier:** None  
**Description:** Quench Protection

Main Slot data Installation & Commissioning Operation Documents History								
Actions : <a href="#">Create Job</a>								
Job Id	R/E	Status	Res.	Description	Started	Ended	NC	Show Last Repeated
<a href="#">13911421</a>		Done	ok	10-DYPB and DYPQ Isolation Tests	2006-10-03	2006-10-20		
<a href="#">13911422</a>		Done	ok	12-DYPB and DYPQ Functional Tests	2006-10-03	2006-10-20		
<a href="#">13911423</a>		Pending		14-DQGPU Functional Tests				
<a href="#">13911430</a>		Pending		16-DQCSD Current Sensor Check				
<a href="#">13911424</a>		Pending		18-DQQLC Functional Tests				
<a href="#">13911425</a>		Pending		20-Final Connect. and Powering DYPB and DYPQ				
<a href="#">13911426</a>		Pending		22-Quench Heater Magnets MB&MQ Funct. Tests				
<a href="#">13911427</a>		Pending		24-Selected Heater Firing Functional Tests				
<a href="#">13911428</a>		Pending		26-Quench Heater Insertion and Inner Triplets				
<a href="#">13911429</a>		Pending		28-Quench Protection System IST				

# Quench Protection System

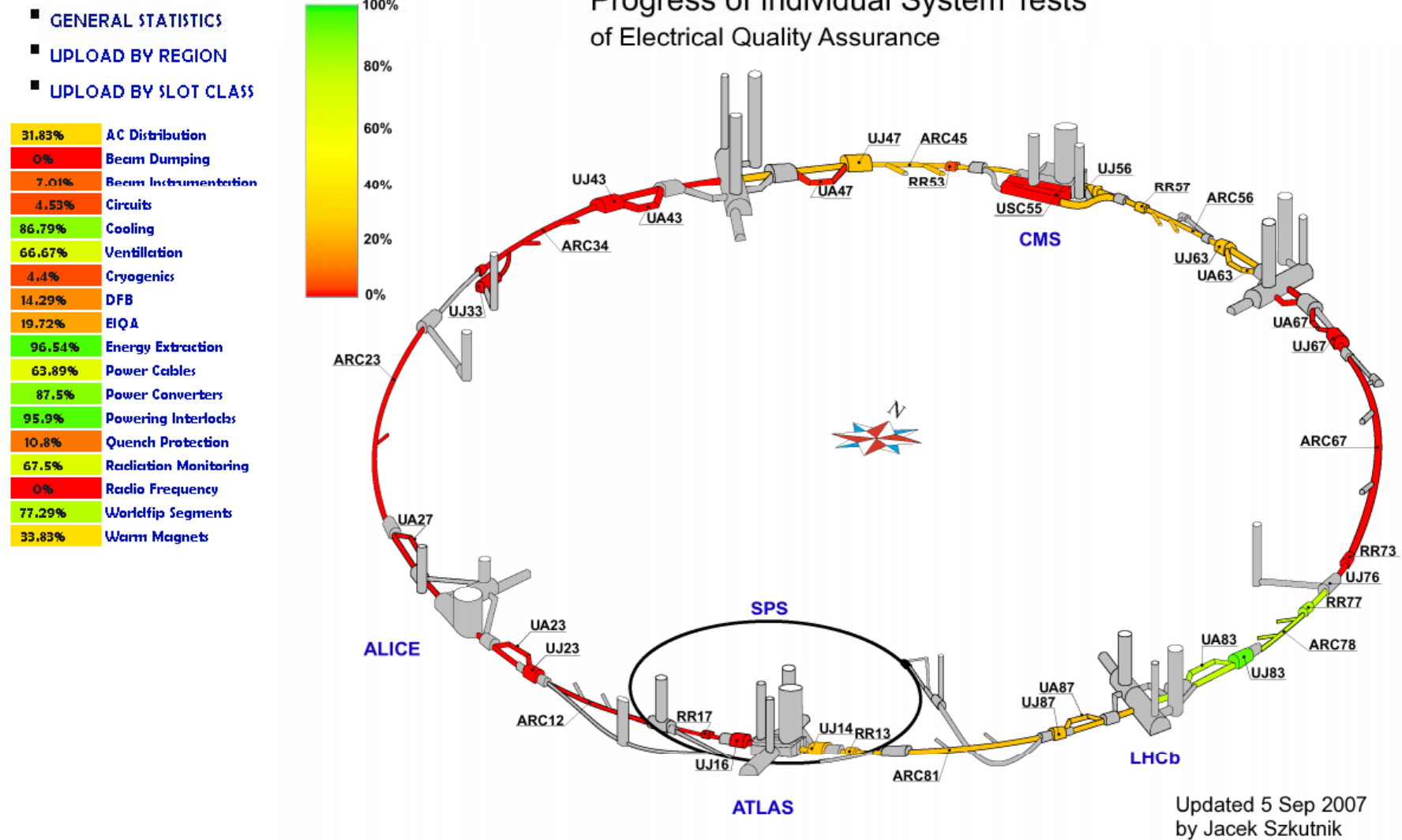
Class Description	<b>Quench Protection</b>
Class Code	<b>RC08</b>
Responsible	<b>Reiner Denz</b>
Number of Slots	<b>552</b>
Number steps	<b>10</b>
Number of properties	<b>1 (EDMS Procedure)</b>
% steps uploaded	<b>11 %</b>
% properties uploaded	<b>N/A</b>
Documents	<b>3%</b>
Comments	<b>81%</b>
NCRs	<b>None</b>
Upload type	<b>100% Automatic</b>
Upload particularities	<b>Scripts to create XML from their database</b>
Access Rights	<b>Add Maurice Nibelle ?</b>
Expected Modifications	<b>NO</b>



Write rights & NCRs creation	To be notified of NCRs	Management of NCRs	NCRs approval
<p>LHC-HWC-ENERGY-E-MTF Group + role LHC-HWC-ENERGY-EXTRA in context LHC-HWC-MTF and D7i:</p> <p>K-H.Mess, G.Coelingh, K.Dahlerup-Petersen, R.Denz, N.Fournier, A.Gomez Alonso, A.Hilaire, J.Mourao, M. Nibelle</p>	<p>4 notifications (LHC-HWC-ENERGY-%) based on role CERN-PE and LHC-HWC-27:</p> <p>K-H.Mess, G.Coelingh, K.Dahlerup-Petersen, R.Denz, M. Nibelle</p>	<p>CERN-PE in LHC-HWC-ENERGY-EXTRACTION-MTF (ORG-002354) Context:</p> <p>K-H.Mess, G.Coelingh, K.Dahlerup-Petersen, R.Denz, M. Nibelle</p>	<p>LHC-HWC-26 EDMS List:</p> <p>K-H.Mess, G.Coelingh, K.Dahlerup-Petersen, R.Denz, M. Nibelle</p>

Access Rights as they are today for Quench Protection System

## Progress of Individual System Tests of Electrical Quality Assurance



# Electrical Quality Assurance for Cold Circuits

## Slot Folder: Installation Jobs

**Slot Identifier:** DE.RB.A78  
**Other Identifier:** None  
**Description:** ELQA

Main Slot data **Installation & Commissioning** Operation Non-conformities Documents History

Actions : [Create Job](#)

Job Id	R/E	Status	Res.	Description	Started	Ended	NC	Show Last Repeated
<a href="#">12829026</a>		Done	Ok	10-El_Qa During Assembly	2006-11-10	2006-11-20		
<a href="#">12829027</a>		Done	Ok	12-El_Qa at Warm	2006-12-07	2007-01-15		
<a href="#">12829028</a>		Done	Ok	14-El_Qa during Cool Down (*)	2007-01-15	2007-03-16		
<a href="#">12829029</a>		Pending		16-El_Qa at Cold				

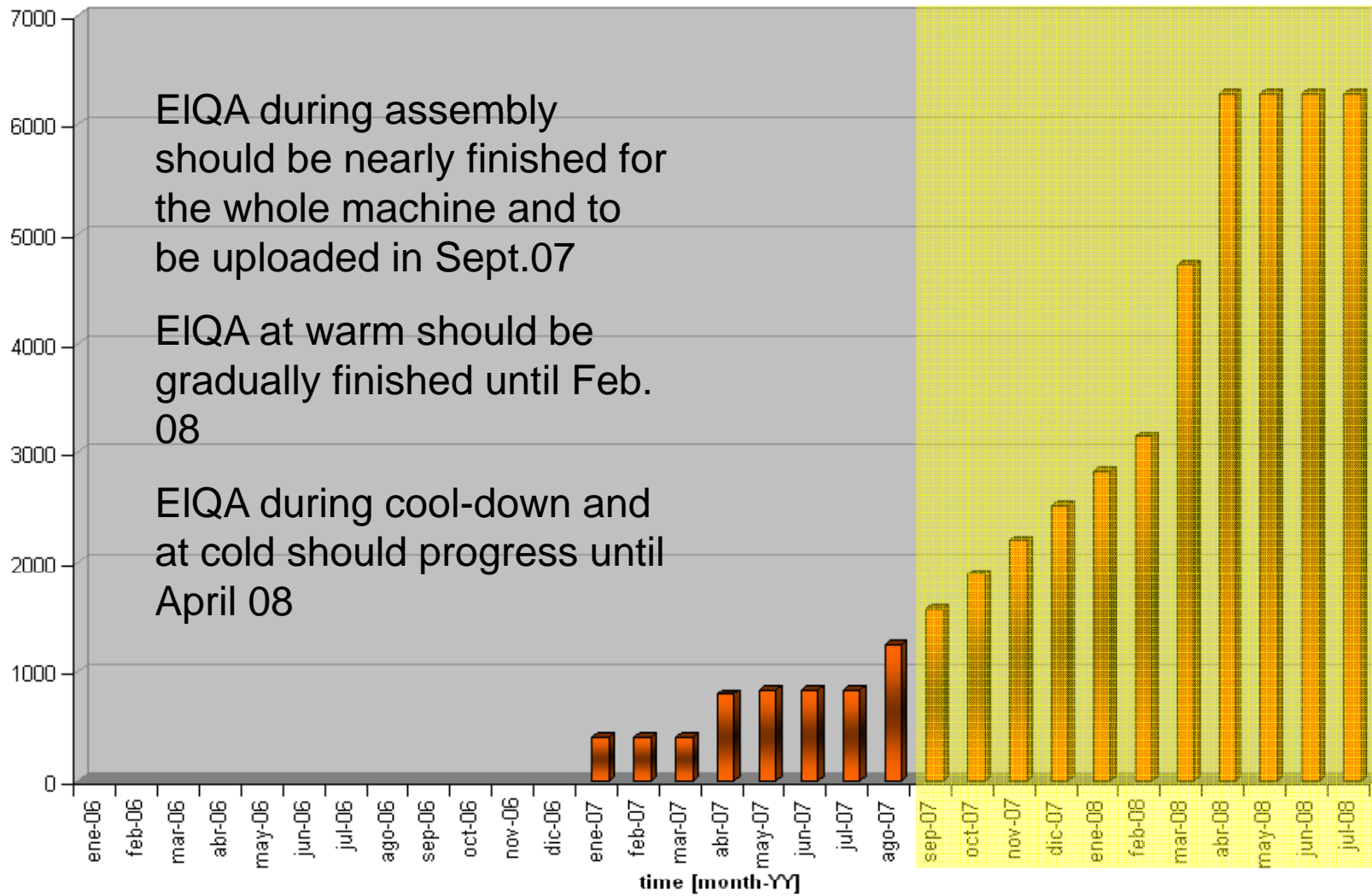
# Electrical Quality Assurance for Cold Circuits

Class Description	<b>EIQA for Cold Circuit</b>
Class Code	<b>RC14</b>
Responsible	<b>Davide Bozzini</b>
Number of Slots	<b>1572</b>
Number steps	<b>4</b>
Number of properties	<b>1 (EDMS Procedure)</b>
% steps uploaded	<b>20%</b>
% properties uploaded	<b>N/A</b>
Documents	<b>none</b>
Comments	<b>22%</b>
NCRs	<b>16</b>
Upload type	<b>97% automatic upload</b>
Upload particularities	<b>none</b>
Access Rights	<b>As shown in next slide</b>
Layout Database-MTF Link	<b>?</b>
Expected Modifications	<b>NO</b>

Write rights & NCRs creation	To be notified of NCRs	Management of NCRs	NCRs approval
<p>LHC-HWC-ELQA-MTF Group + role LHC-HWC-ELQA in context LHC-HWC-MTF and D7i:</p> <p>D.Bozzini, V.Chareyre, A.Kotarba, S.Olek, V.Szeflinski, S.Russenschuck, K.H.Mess</p>	<p>4 notifications (LHC-HWC-ELQA-%) based on role CERN-PE and LHC-HWC-39:</p> <p>D.Bozzini, S.Russenschuck</p>	<p>CERN-PE in LHC-HWC-ELQA-MTF (ORG-001978)</p> <p>Context:</p> <p>D.Bozzini, S.Russenschuck</p>	<p>LHC-HWC-38</p> <p>EDMS List:</p> <p>D.Bozzini, V.Chareyre, A.Kotarba, S.Olek, V.Szeflinski, S.Russenschuck, K.H.Mess</p>

Access Rights as they are today for EIQA for Cold Circuits

EIQA for Cold Circuits



## Slot Folder: Installation Jobs

**Slot Identifier:** MKI.A5R8.B2  
**Other Identifier:** None  
**Description:** Injection Kicker

[Main](#) | [Slot data](#) | **Installation & Commissioning** | [Operation](#) | [Documents](#) | [History](#)

Actions : [Create Job](#)

Job Id	R/E	Status	Res.	Description	Started	Show Last Repeated	Ended	NC
<a href="#">14016380</a>		Done	ok	10-MKI Bake-Out			2006-11-17	
<a href="#">14016388</a>		Done	ok	12-MKI HV Cable Connection and TMR			2006-11-24	
<a href="#">14017839</a>		Done	ok	14-MKI Safety Devices Tests			2006-12-06	
<a href="#">14016396</a>		Done	ok	16-MKI Slow Control Tests			2007-01-05	
<a href="#">14016407</a>		Done	ok	18-MKI Conditioning Tests	2007-01-22		2007-04-27	
<a href="#">14016415</a>		Pending		20-MKI HV Tests				
<a href="#">14016423</a>		Pending		22-MKI Remote Operation Tests				

# Injection Kicker

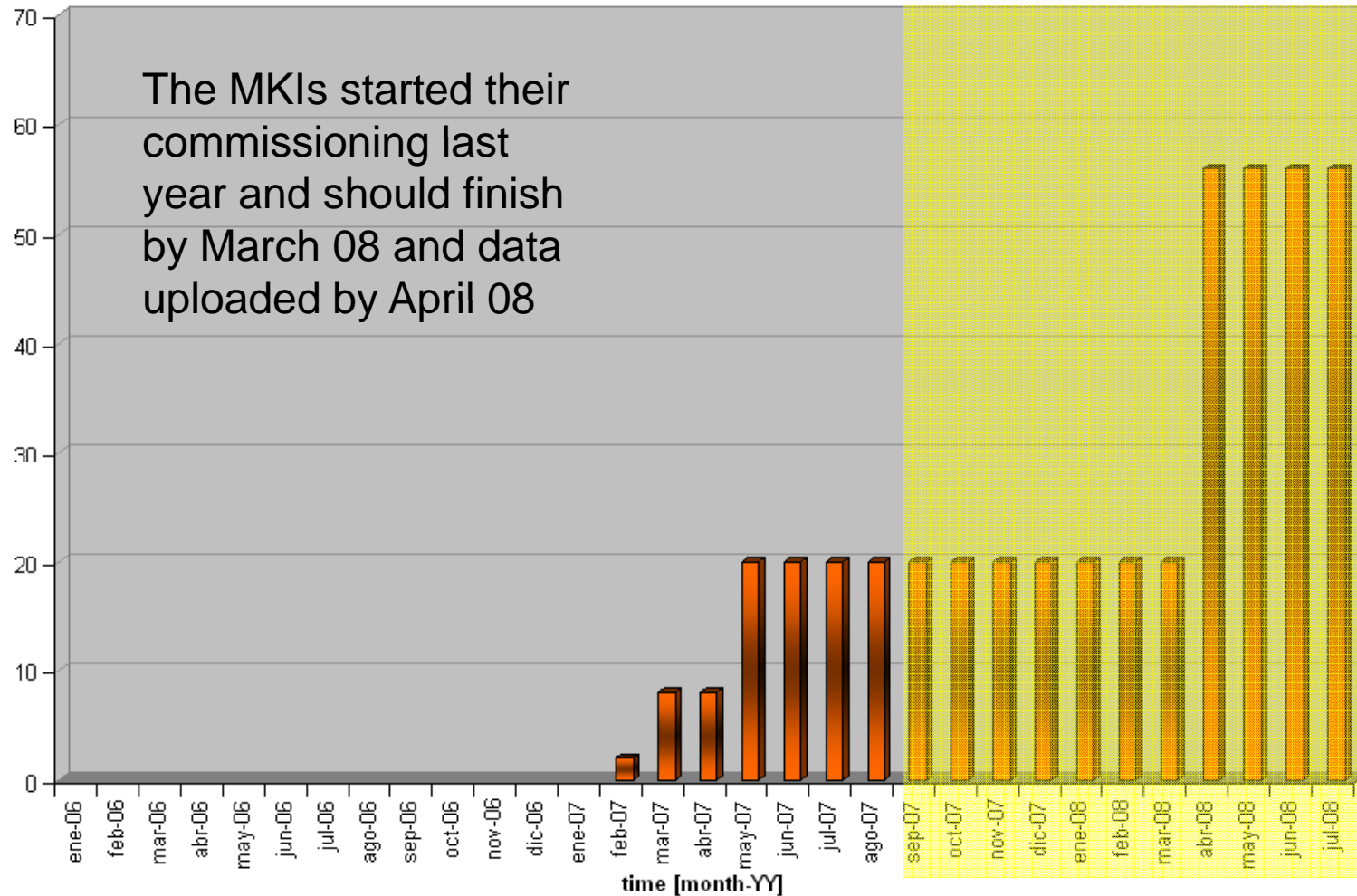
Class Description	<b>Injection Kicker</b>
Class Code	<b>MKI</b>
Responsible	<b>Laurent Ducimetiere</b>
Number of Slots	<b>8</b>
Number steps	<b>7</b>
Number of properties	<b>1 (EDMS Procedure)</b>
% steps uploaded	<b>36 %</b>
% properties uploaded	<b>N/A</b>
Documents	<b>None</b>
Comments	<b>None</b>
NCRs	<b>None</b>
Upload type	<b>100% manual upload</b>
Upload particularities	<b>None</b>
Access Rights	<b>See next slide</b>
Layout Database-MTF Link	<b>?</b>
Expected Modifications	<b>NO</b> <b>For HC Team: no view available in the “progress”</b>



Write rights & NCRs creation	To be notified of NCRs	Management of NCRs	NCRs approval
LHC-HWC-AC-DISTR-MTF Group + role LHC-HWC-AC in context LHC-HWC-MTF and D7i: GARREL, DUCIMETI, FCASTRO, BARNESM	"4 notifications (LHC-HWC-AC-DISTR-%) based on role CERN-PE and LHC-HWC-31: Noel Garrel, Francesco Castronuovo, Laur ent Ducimetiere, Mike Barnes	CERN-PE in LHC-HWC-INJECTION-KICKER-MTF (ORG-002357) Context: Noel Garrel, Francesco Castronuovo, Laurent Ducimetiere, Mike Barnes	LHC-HWC-30 EDMS List: Noel Garrel, Francesco Castronuovo, Laurent Ducimetiere, Mike Barnes

Access Rights as they are today for Injection Kickers

MKIs



Access Rights as they are today for Injection Kickers

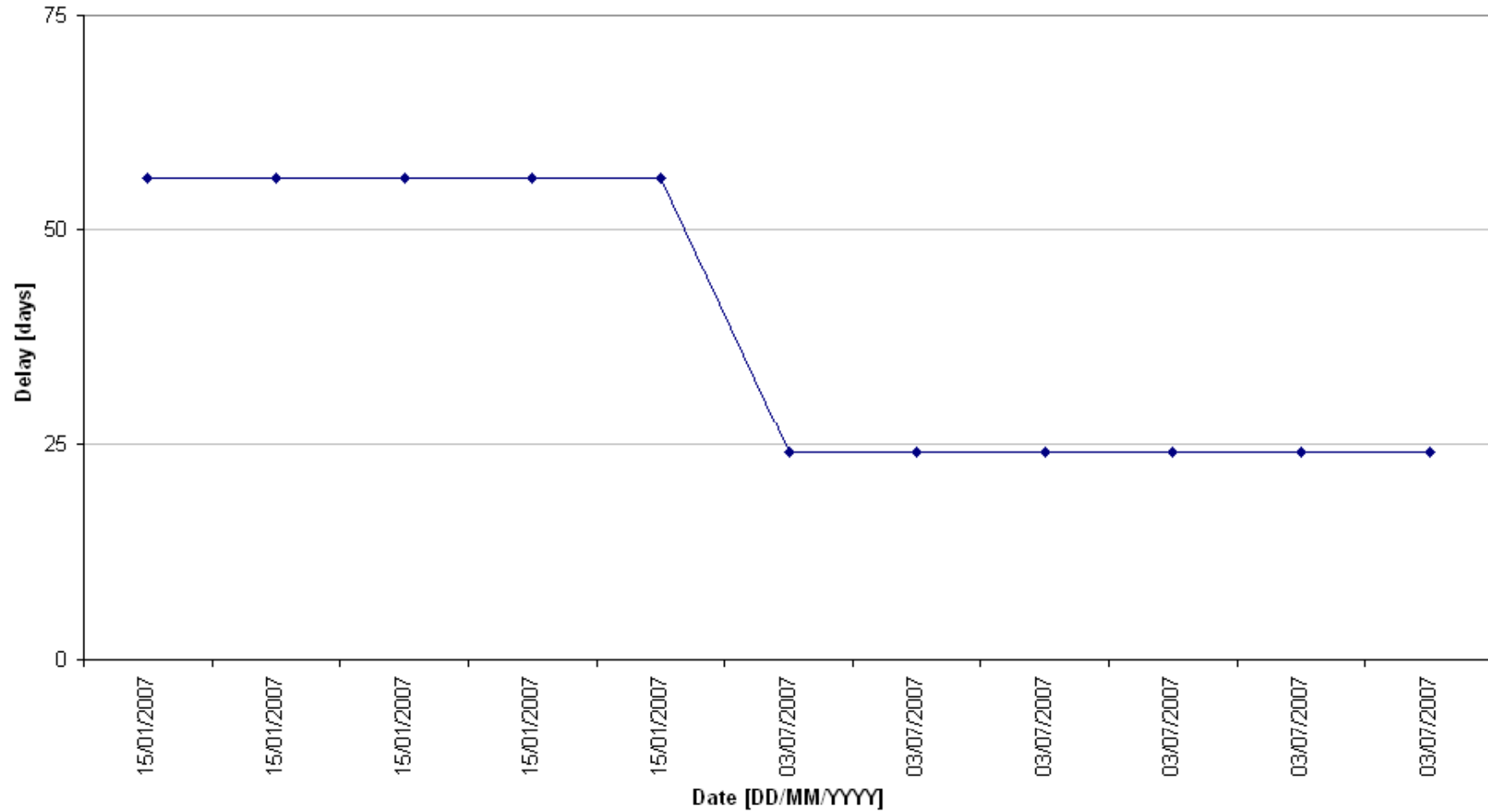


Class Description	<b>DFBs</b>
Class Code	<b>DFB</b>
Responsible	<b>Mirko Pojer</b>
Number of Slots	<b>52</b>
Number steps	<b>49</b>
Number of properties	<b>none</b>
% steps uploaded	<b>16%</b>
% properties uploaded	<b>N/A</b>
Documents	<b>None</b>
Comments	<b>8% entries</b>
NCRs	<b>None</b>
Upload type	<b>95% manual upload</b>
Upload particularities	<b>None</b>
Access Rights	<b>Not defined yet (LHC-HWC-MTF)</b>
Layout Database-MTF Link	<b>?</b>
Expected Modifications	<b>NO</b>

Write rights & NCRs creation	To be notified of NCRs	Management of NCRs	NCRs approval
Not defined yet	Not defined yet	Not defined yet	Not defined yet

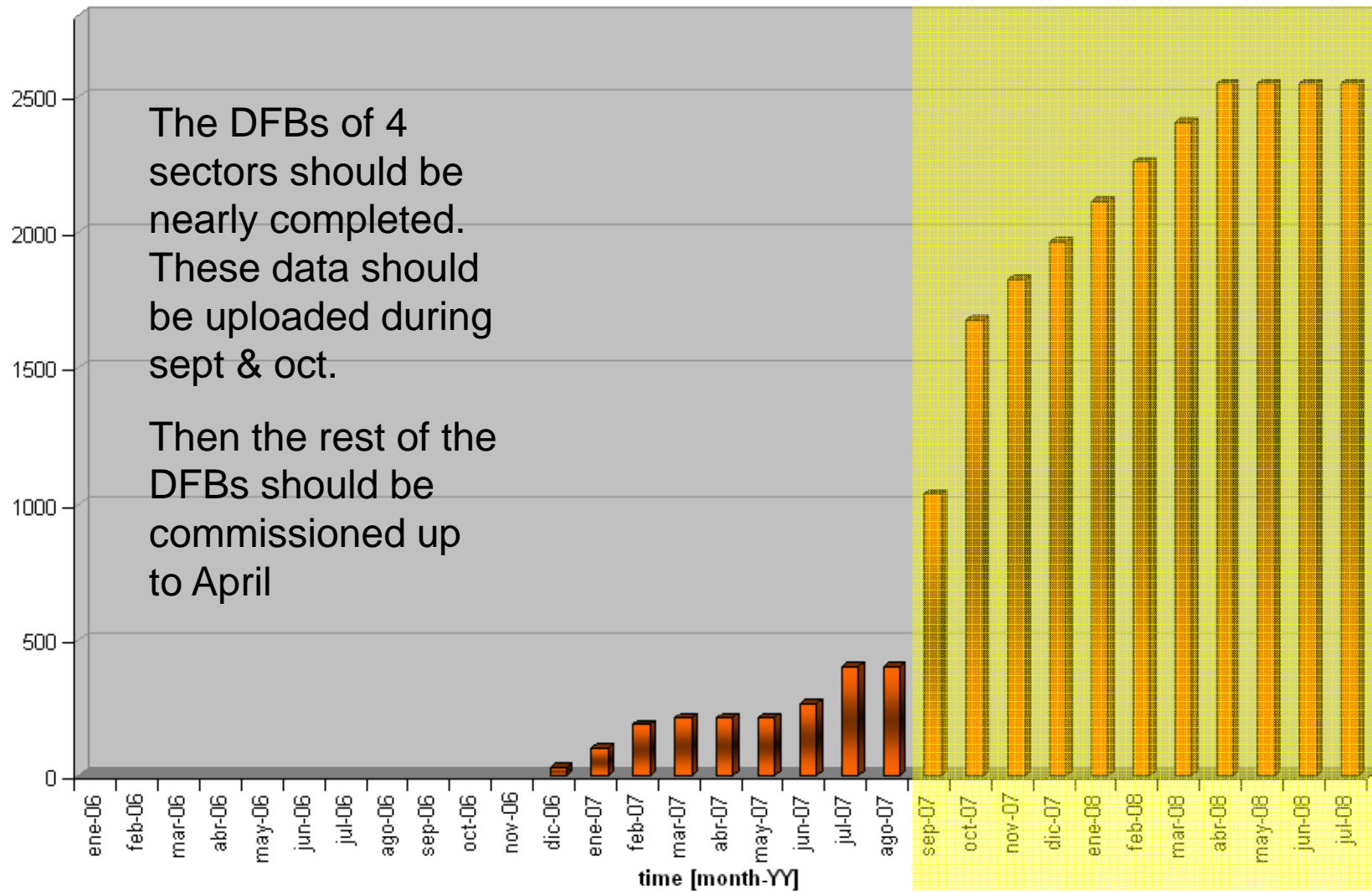
Access Rights as they are today for DFBs

DFBs - 22-HCA\_DFB\_EIQA at warm/HV test\_TP4-B



Uploads can oscillate between 24 and 56 days

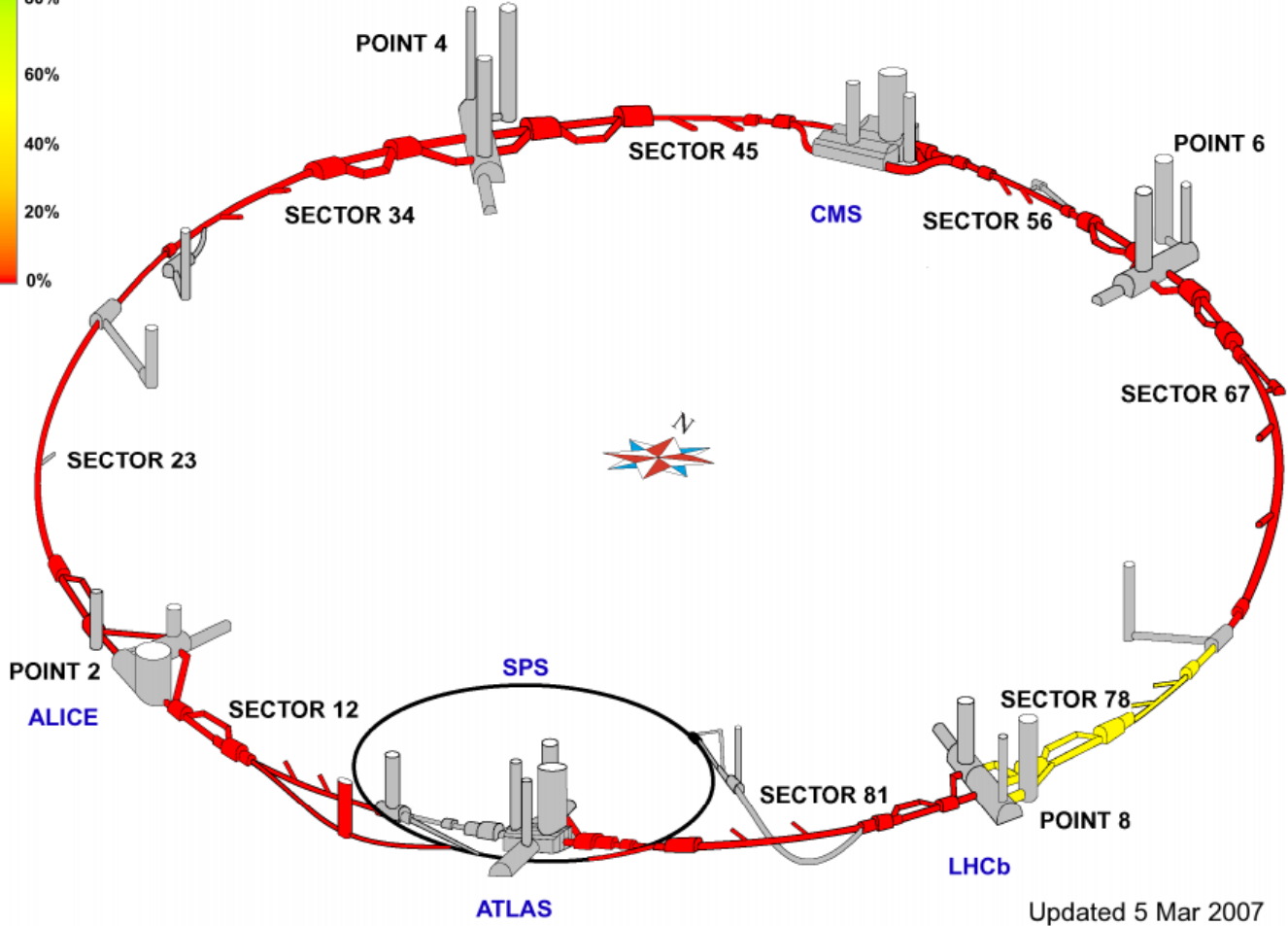
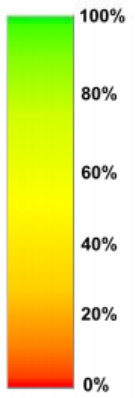
# DFB



# Progress of individual System Tests of Cryogenics

- GENERAL STATISTICS
- UPLOAD BY REGION
- UPLOAD BY SLOT CLASS

31.83%	AC Distribution
0%	Beam Dumping
7.01%	Beam Instrumentation
4.51%	Circuits
86.79%	Cooling
0%	Collimators
66.67%	Ventilation
4.4%	Cryogenics
14.29%	DFB
19.72%	EIQA
96.54%	Energy Extraction
63.89%	Power Cables
88.2%	Power Converters
95.9%	Powering Interlocks
10.8%	Quench Protection
67.5%	Radiation Monitoring
0%	Radio Frequency
77.29%	Worldtip Segments
10.24%	LHC Access
33.83%	Warm Magnets



Updated 5 Mar 2007  
by Jacek Szkutnik

# Cryogenics



## Slot Folder: Installation Jobs

Slot Identifier: Q.ARC78  
 Other Identifier: None  
 Description: Cryogenics

[Main](#)
[Slot data](#)
[Installation & Commissioning](#)
[Operation](#)
[Documents](#)
[History](#)

Actions : [Create Job](#)

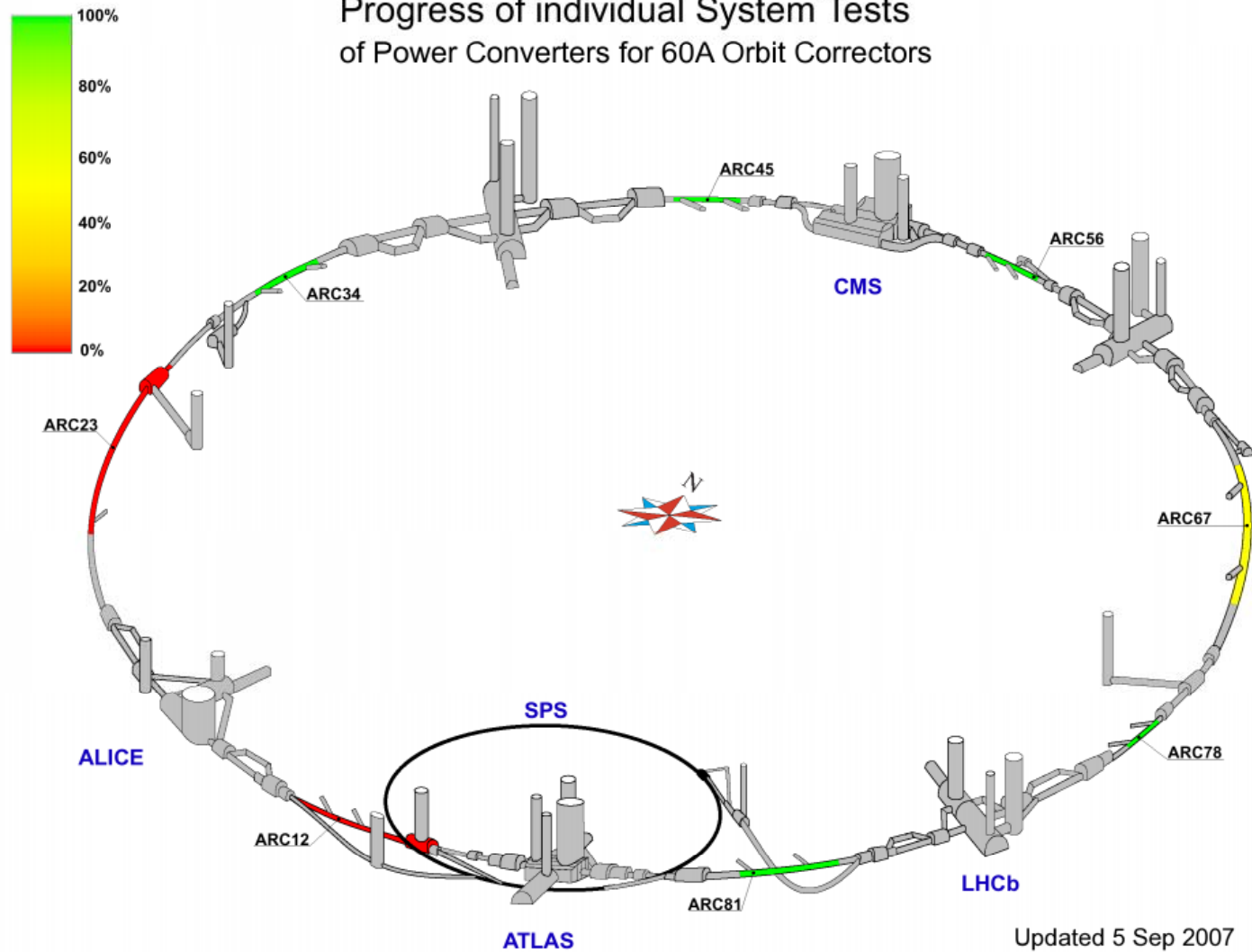
Job Id	R/E	Status	Res.	Description	Started	Show Last Repeated	
						Ended	NO
<a href="#">14015582</a>		In Progress		10-HCA Cryo Instrumentation Commissioned (*)	2006-11-01		
<a href="#">14015583</a>		Done	Ok	12-HCA Cryo Circuits Closed/Insulation Vacuum		2006-12-01	
<a href="#">14520260</a>	R	Done	Not Ok	12-HCA Cryo Circuits Closed/Insulation Vacuum (*)	2007-07-09	2007-07-09	
<a href="#">14015584</a>		Done	Ok	14-HCA Cryo Circuits Conditioned	2006-11-27	2007-01-15	
<a href="#">14015585</a>		Done	Ok	16-HCA Cryo at 80K	2007-01-15	2007-02-05	
<a href="#">14015586</a>		Done	Ok	18-HCA Cryo at 4.5 K (*)	2007-02-12	2007-03-07	
<a href="#">14015587</a>		Done	Ok	20-HCA Cryo LHe Filled (*)	2007-03-05	2007-04-05	
<a href="#">14015588</a>		Done	Ok	22-HCA Cryo at 1.9 K and CL at operation T (*)	2007-03-12	2007-05-31	
<a href="#">14015589</a>		In Progress		24-HCA Cryo Subsector Commissioned (*)	2007-01-15		

# Cryogenics

## Progress of individual System Tests of Power Converters for 60A Orbit Correctors

- GENERAL STATISTICS
- UPLOAD BY REGION
- UPLOAD BY SLOT CLASS

31.83%	AC Distribution
0%	Beam Dumping
7.01%	Beam Instrumentation
4.53%	Circuits
86.79%	Cooling
66.67%	Ventilation
4.4%	Cryogenics
14.29%	DFB
19.72%	EIQA
96.54%	Energy Extraction
96.91%	600A
78.13%	13hA
63.89%	Power Cables
87.5%	Power Converters
97.87%	for Cold Circuits
96.86%	for Warm Circuits
56.03%	for Orbit Correctors
95.9%	Powering Interlocks
10.8%	Quench Protection
67.5%	Radiation Monitoring
0%	Radio Frequency
77.29%	Worldfip Segments
33.83%	Warm Magnets



# 60 A Power Converters

## Slot Folder: Installation Jobs

**Slot Identifier:** RPLA.12L4.RCBV11.L4B2  
**Other Identifier:** None  
**Description:** Power Converter for 60A Orbit Correctors

Job Id	R/E	Status	Res.	Description	Started	Ended	NC
<a href="#">13890659</a>		Done	Ok	10-HCA PCSCT-PT Converter Connected to Grid	2007-04-25	2007-04-25	
<a href="#">13890660</a>		Done	Ok	16-HCA PCSCT-PT Convert.On/Control Loop Tuned (*)	2007-04-25	2007-04-25	
<a href="#">13890661</a>		Cancelled	Cancelled	24-HCA PCSCT-PT 4-Hour Heat Run (*)	2007-06-22	2007-06-22	
<a href="#">13890662</a>		Done	Ok	26-HCA PCSCT-HR 24-Hour Heat Run	2007-06-28	2007-06-29	

# 60 A Power Converters

Class Description	<b>Power Converter for 60 A Orbit Correctors</b>
Class Code	<b>RPLA</b>
Responsible	<b>Jeff Thomsen &amp; Hugues Thiesen</b>
Number of Slots	<b>752</b>
Number steps	<b>5</b>
Number of properties	<b>1 (EDMS procedure)</b>
% steps uploaded	<b>56%</b>
% properties uploaded	<b>N/A</b>
Documents	<b>32% entries</b>
Comments	<b>33% entries</b>
NCRs	<b>none</b>
Upload type	<b>100% automatic</b>
Upload particularities	<b>none</b>
Access Rights	<b>Patrice Bailly &amp; Jeff Thomsen &amp; Carlos Castillo should also have rights !</b>
Layout Database-MTF Link	<b>?</b>
Expected Modifications	<b>For MTF: Eliminate step 30 from Sector 78 (cancelled)</b>

Write rights & NCRs creation	To be notified of NCRs	Management of NCRs	NCRs approval
LHC-HWC-RPLA-MTF Group + role LHC-HWC-RPLA in context LHC-HWC-MTF and D7i: David Nisbet, Valerie Montabonnet	4 notifications (LHC-HWC-RPLA-%) based on role CERN-PE and LHC-HWC-65: David Nisbet, Valerie Montabonnet, Laurent Ceccone, Quentin King, Gunnar Fernqvist, Frederick Bordry	CERN-PE in LHC-HWC-RPLA-MTF (ORG-002419) Context: David Nisbet, Valerie Montabonnet	LHC-HWC-64 EDMS list: David Nisbet, Valerie Montabonnet, Laurent Ceccone, Quentin King, Gunnar Fernqvist, Frederick Bordry

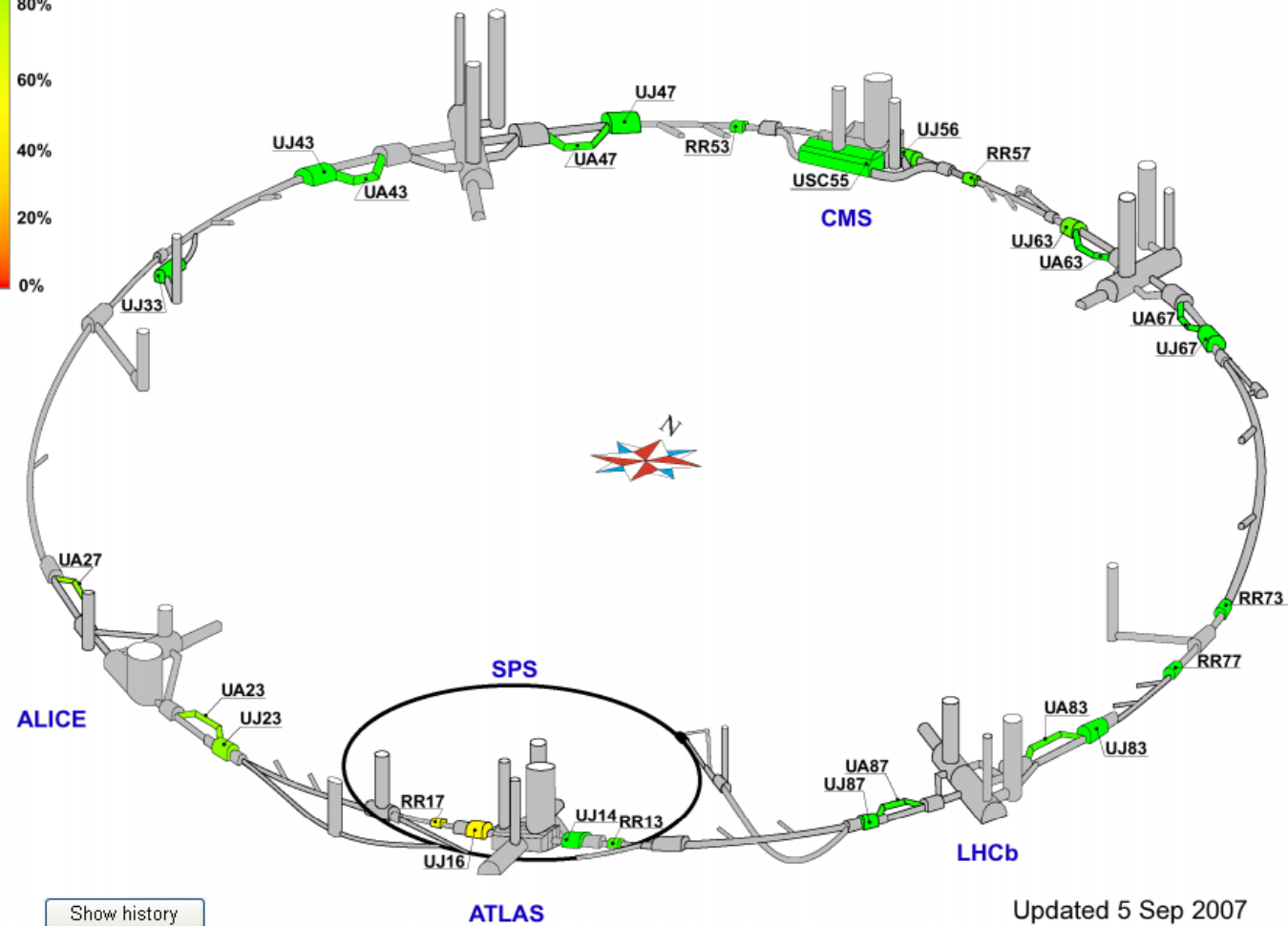
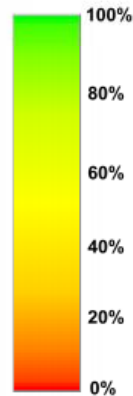
Patrice Bailly & Jeff Thomsen & Carlos Castillo should also have rights !

Access Rights as they are today for 60 A Power Converters

## Progress of individual System Tests of Power Converters for Cold Circuits

- GENERAL STATISTICS
- UPLOAD BY REGION
- UPLOAD BY SLOT CLASS

31.83%	AC Distribution
0%	Beam Dumping
7.01%	Beam Instrumentation
4.53%	Circuits
86.79%	Cooling
66.67%	Ventilation
4.4%	Cryogenics
14.29%	DFB
19.72%	EIQA
96.54%	Energy Extraction
96.91%	600 A
78.13%	13k A
63.89%	Power Cables
87.5%	Power Converters
97.87%	for Cold Circuits
96.86%	for Warm Circuits
56.03%	for Orbit Correctors
95.9%	Powering Interlocks
10.8%	Quench Protection
67.5%	Radiation Monitoring
0%	Radio Frequency
77.29%	Worldfip Segments
33.83%	Warm Magnets



Updated 5 Sep 2007  
by Jacek Szkutnik

# Power Converter for Cold Circuits

## Slot Folder: Installation Jobs

**Slot Identifier:** RPMBA.RR13.RQT12.L1B1  
**Other Identifier:** None  
**Description:** Power Converter for Cold Circuits

Actions : [Create Job](#)

Job Id	R/E	Status	Res.	Description	Started	Ended	NC
<a href="#">13577520</a>		Done	Ok	10-HCA PCST-PT Converter Connected to Grid (*)	2006-07-06	2006-07-06	
<a href="#">13577521</a>		Cancelled	Cancelled	12-HCA PCST-PT Fast Power Abort Test (*)	2006-07-06	2006-07-06	
<a href="#">13577522</a>		Done	Ok	14-HCA PCST-PT Loss of Cooling Water (*)	2006-07-06	2006-07-06	
<a href="#">13577523</a>		Done	Ok	16-HCA PCST-PT Convert. On/Control Loop Tuned (*)	2006-07-06	2006-07-06	
<a href="#">13577529</a>		Cancelled	Cancelled	18-HCA PCST-PT Test of EE with Current (*)	2006-10-05	2006-10-05	
<a href="#">13577528</a>		Done	Ok	20-HCA PCST-PT Check of Current Sensor	2006-07-13	2006-07-13	
<a href="#">13577524</a>		Done	Ok	22-HCA PCST-PT PC Remote Operation Tests	2006-07-13	2006-07-13	
<a href="#">13587478</a>	R	Done	Ok	22-HCA PCST-PT PC Remote Operation Tests (*)	2006-07-19	2006-07-19	
<a href="#">13577525</a>		Done	Ok	24-HCA PCST-PT 8-Hour Heat run	2006-07-13	2006-07-13	
<a href="#">13577531</a>		Cancelled	Cancelled	25-HCA PCST-PT MQM Squeezing Tests at Warm (*)	2006-07-18	2006-07-18	
<a href="#">13577527</a>		Done	Ok	26-HCA PCST-HR 24-Hour Heat Run	2006-07-19	2006-07-19	
<a href="#">13577526</a>		Done	Ok	28-HCA PCST-HR 24-Hour Monit. Air/Water Temp (*)	2006-07-19	2006-07-20	

# Power Converter for Cold Circuits

## Slot Folder: Properties

**Slot Identifier:** RPMBA.RR13.RQT12.L1B1  
**Other Identifier:** None  
**Description:** Power Converter for Cold Circuits

Property	Nominal Value	Value	Unit
<b>External Property Values</b>			
Circuit Name		RQT12.L1B1	
I Ultimate [A]		600	
V Ultimate [V]		10	
DCCT Type		600	
<b>Property Values</b>			
<i>HCA PCSGT-PT</i>			
Name of Electrical Feeder			
8-Hour Heat Run I_Level			A
<i>HCA PCSGT-HR</i>			
24-Hour Heat Run I_Level			A
EDMS Procedure			

# Power Converter for Cold Circuits

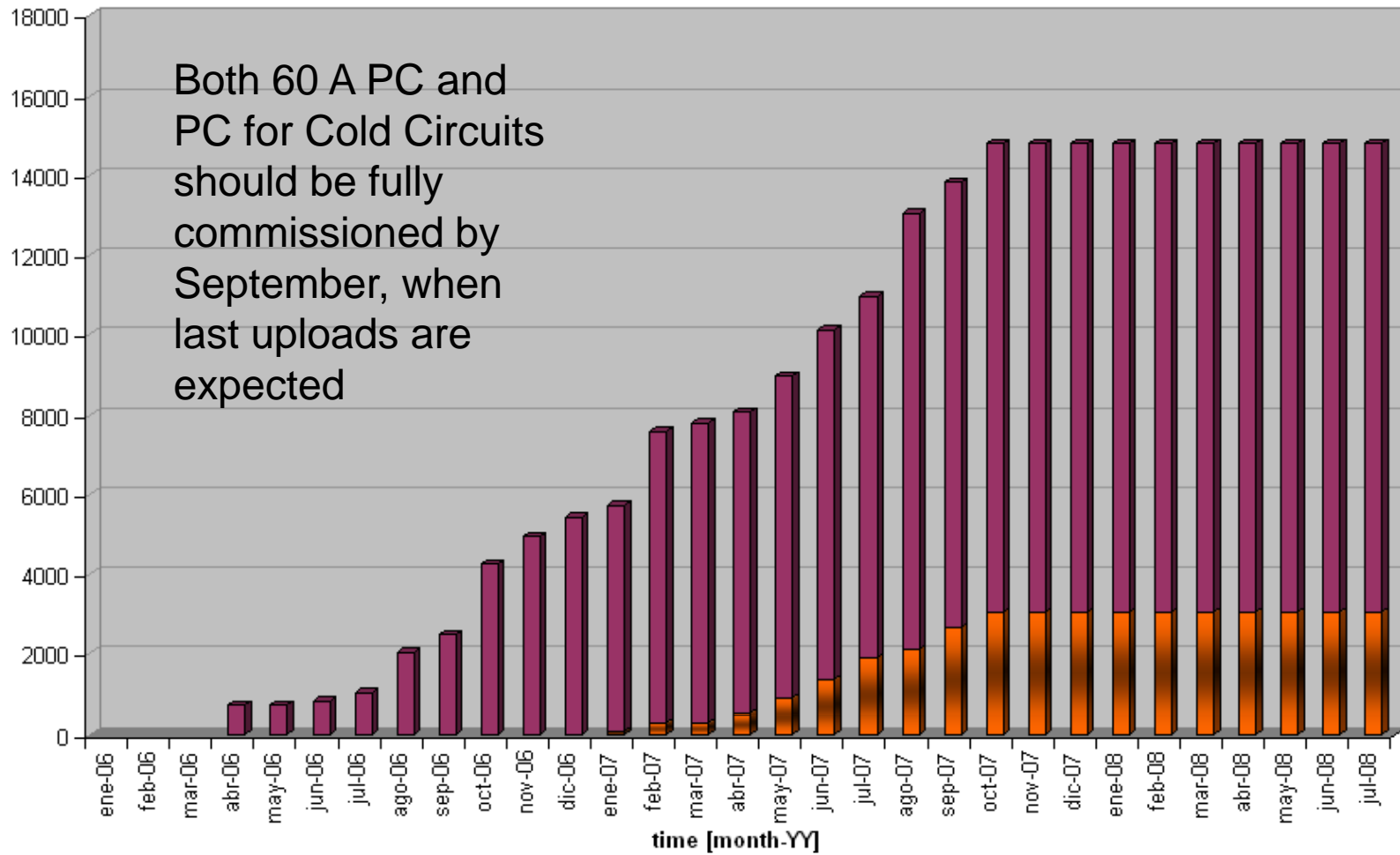


Class Description	<b>Power Converter for Cold Circuit</b>
Class Code	<b>RR00</b>
Responsible	<b>H.Thiesen/R.Denz/K.Dahlerup-Petersen/HC Team</b>
Number of Slots	<b>914</b>
Number steps	<b>11</b>
Number of properties	<b>4</b>
% steps uploaded	<b>92%</b>
% properties uploaded	<b>0%</b>
Documents	<b>41% entries</b>
Comments	<b>52% entries</b>
NCRs	<b>13</b>
Upload type	<b>98% automatic upload</b>
Upload particularities	<b>XLM File Creator &amp; Direct database scripts</b>
Access Rights	<b>As described in next slide</b>
Layout Database-MTF Link	<b>?</b>
Expected Modifications	<b>NO – Waiting for Property Upload</b>

Write rights & NCRs creation	To be notified of NCRs	Management of NCRs	NCRs approval
<p>LHC-HWC-POWER-C-MTF Group + role LHC-HWC-POWER-CONV-C in context LHC-HWC-MTF and D7i:</p> <p>Patrice Bailly, Andrea Cantone, Laurent Ceccone, Miguel Cerqueira-Bastos, Peter Dreesen, Klaus Fischer, Philippe Fraboulet, Ludovic Germain-Bonne, Greg Hudson, Quentin King, Valerie Montabonnet, David Nisbet, Stephen Page, Jeff Thomsen , Yves Thurel, F.Chevrier, C. Castillo Trello</p>	<p>4 notifications (LHC-HWC-RPLA-%) based on role CERN-PE and LHC-HWC-63:</p> <p>David Nisbet, Valerie Montabonnet, Yves Thurel, Laurent Ceccone, Klaus Fischer, Andrea Cantone, Miguel Cerqueira-Bastos, Peter Dreesen, Greg Hudson, Quentin King, Gunnar Fernqvist, Fredreick Bordry, C. Castillo Trello</p>	<p>CERN-PE in LHC-HWC-POWER-CONVERTER-COLD-MTF (ORG-001979)</p> <p>Context:</p> <p>Patrice Bailly, Andrea Cantone, Laurent Ceccone, Miguel Cerqueira-Bastos, Peter Dreesen, Klaus Fischer, Philippe Fraboulet, Ludovic Germain-Bonne, Greg Hudson, Quentin King, Valerie Montabonnet, David Nisbet, Stephen Page, Jeff Thomsen , Yves Thurel, F.Chevrier, Hugues Thiesen, C. Castillo Trello</p>	<p>LHC-HWC-62 EDMS list:</p> <p>Patrice Bailly, Andrea Cantone, Laurent Ceccone, Miguel Cerqueira-Bastos, Peter Dreesen, Klaus Fischer, Philippe Fraboulet, Ludovic Germain-Bonne, Greg Hudson, Quentin King, Valerie Montabonnet, David Nisbet, Stephen Page, Jeff Thomsen , Yves Thurel, Hugues Thiesen, Gunnar Fernqvist, Fredreick Bordry, C. Castillo Trello</p>

Access Rights as they are today for Power Converter for Cold Circuits

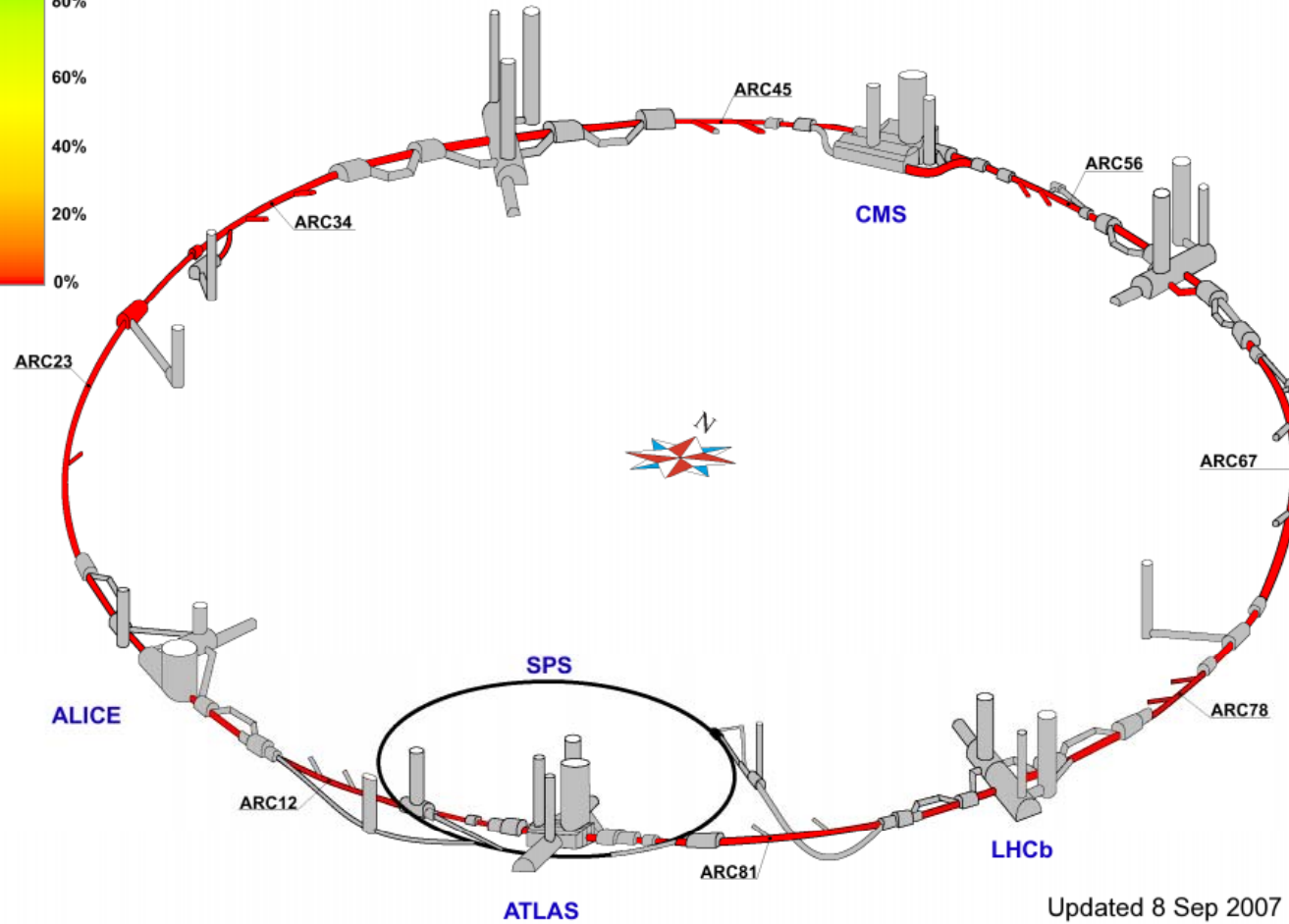
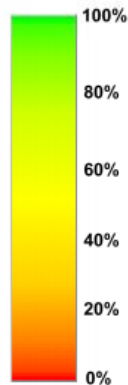
### Power Converters



## Progress of Individual System Tests of Collimators

- GENERAL STATISTICS
- UPLOAD BY REGION
- UPLOAD BY SLOT CLASS

31.83%	AC Distribution
0%	Beam Dumping
7.01%	Beam Instrumentation
4.51%	Circuits
86.79%	Cooling
0%	Collimators
66.67%	Ventilation
4.4%	Cryogenics
14.29%	DFB
19.72%	EIQA
96.54%	Energy Extraction
63.89%	Power Cables
86.97%	Power Converters
95.9%	Powering Interlocks
10.8%	Quench Protection
67.5%	Radiation Monitoring
0%	Radio Frequency
77.29%	Worldfip Segments
10.24%	LHC Access
33.83%	Warm Magnets



Updated 8 Sep 2007  
by Jacek Szutnik

# Collimators

## Slot Folder: Installation Jobs

**Slot Identifier:** TCHSH.6L3.B1  
**Other Identifier:** None  
**Description:** Collimator

Main   Slot data   <b>Installation &amp; Commissioning</b>   Operation   Documents   History						
Actions : <a href="#">Create Job</a>						
Job Id	R/E	Status	Res.	Description	Show Last Repeated	
					Started	Ended   NC
<a href="#">13815669</a>		Pending		10-BS Cooling Water Infrastructure		
<a href="#">13815670</a>		Pending		12-BS Final Cabling and Plug-in Check		
<a href="#">13815671</a>		Pending		14-TE Removing Blocking of Jaws		
<a href="#">13815672</a>		Pending		16-TE Water Tightness - Flow Rate Adjustment		
<a href="#">13815673</a>		Pending		18-TE Jaw Movement and Pos. Sensor Response		
<a href="#">13815674</a>		Pending		20-TE Temperature Sensor Response Check		
<a href="#">13815675</a>		Pending		22-FS Auto-retraction Test		
<a href="#">13815676</a>		Pending		24-FS LVDT and Resolver Calibration		
<a href="#">13815677</a>		Pending		26-FS Interlock Chain Check		
<a href="#">13815678</a>		Pending		28-FS Communication Check		
<a href="#">13815679</a>		Pending		30-FSV Auto-Retraction Tests		
<a href="#">13815680</a>		Pending		32-FSV Measurement of Mechanical Play		
<a href="#">13815681</a>		Pending		34-FSV LVDT and Resolver Calibration Check		
<a href="#">14441506</a>		Pending		IN010. Initial alignment		

# Collimators

## Slot Folder: Properties

**Slot Identifier:** TCHSH.6L3.B1  
**Other Identifier:** None  
**Description:** Collimator

[Main](#) | [Slot data](#) | [Installation & Commissioning](#) | [Operation](#) | [Documents](#) | [History](#)

Actions : [Edit](#)

External Links

No external data link exists

Property Values

Property	Nominal Value	Value	Unit
FS Retraction_A			mm
FS Retraction_B			mm
FS Retraction_C			mm
FS Retraction_D			mm
FSV Retraction_A			mm
FSV Retraction_B			mm
FSV Retraction_C			mm
FSV Retraction_D			mm
FSV Mechanical Play			mm
EDMS Procedure			

# Collimators

Class Description	<b>Collimator</b>
Class Code	<b>TC</b>
Responsible	<b>Thomas Weiler</b>
Number of Slots	<b>160</b>
Number steps	<b>14</b>
Number of properties	<b>10</b>
% steps uploaded	<b>0%</b>
% properties uploaded	<b>0%</b>
Documents	<b>none</b>
Comments	<b>none</b>
NCRs	<b>none</b>
Upload type	<b>manual</b>
Upload particularities	<b>none</b>
Access Rights	<b>See next slide</b>
Layout Database-MTF Link	<b>?</b>
Expected Modifications	<b>Add Step 17-TE Switch and End Stop Position Links to the equipment slots is possible ?</b>

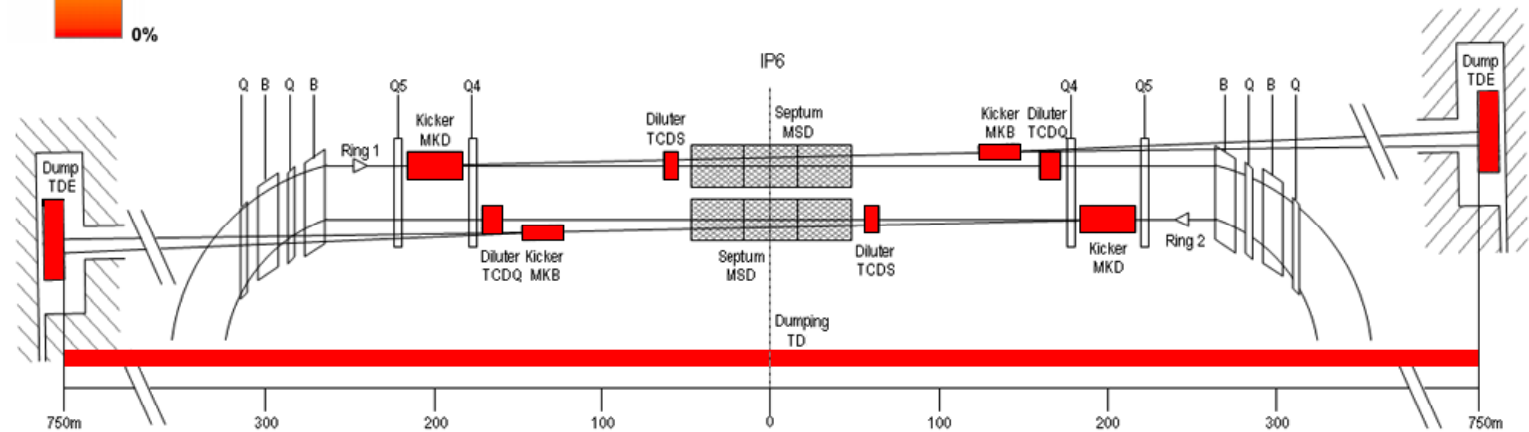
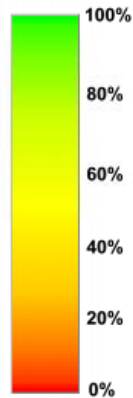
Write rights & NCRs creation	To be notified of NCRs	Management of NCRs	NCRs approval
<p>LHC-HWC-COLLI-MTF Group + role LHC-HWC-COLLIMATOR in context LHC-HWC-MTF and D7i:</p> <p>Rocio Chamizo, Oliver Aberle, Roberto Losito, Ralph Assmann, Thomas Weiler, Alessandro Masi, Jerome Lendaro, Arnaud Brielmann, Mathieu Donze, Pierre Gander, C.Podevin</p>	<p>4 notifications (LHC-HWC-COLLI-%) based on role CERN-PE and LHC-HWC-47:</p> <p>Rocio Chamizo, Oliver Aberle, Roberto Losito, Ralph Assmann, Thomas Weiler, Alessandro Masi, Gerome Lendaro, Arnaud Brielmann, Mathieu Donze, Pierre Gander, C.Podevin</p>	<p>CERN-PE in LHC-HWC-COLLIMATOR-MTF (ORG-002363) Context: Oliver Aberle, Ralph Assmann, Roberto Losito, Thomas Weiler</p>	<p>LHC-HWC-46 EDMS List: Oliver Aberle, Ralph Assmann, Roberto Losito, Thomas Weiler</p>

Access Rights as they are today for Collimators



- GENERAL STATISTICS
- UPLOAD BY REGION
- UPLOAD BY SLOT CLASS

31.83%	AC Distribution
0%	Beam Dumping
7.01%	Beam Instrumentation
4.53%	Circuits
86.79%	Cooling
66.67%	Ventilation
4.4%	Cryogenics
14.29%	DFB
19.72%	EIQA
96.54%	Energy Extraction
63.89%	Power Cables
87.5%	Power Converters
95.9%	Powering Interlocks
10.8%	Quench Protection
67.5%	Radiation Monitoring
0%	Radio Frequency
77.29%	Worldfip Segments
33.83%	Warm Magnets



# Beam Dumping System

## Slot Folder: Installation Jobs

**Slot Identifier:** TD.LHC

**Other Identifier:** None

**Description:** LHC Beam Dumping System

Actions : [Create Job](#)

Job Id	R/E	Status	Res.	Description	Show Last Repeated		
					Started	Ended	NC
<a href="#">14508924</a>		Pending		10-BDT Remote operation from CCC			
<a href="#">14508925</a>		Pending		12-BDT EMC test while pulsing (450 GeV)			
<a href="#">14508926</a>		Pending		14-BDT EMC test while pulsing (7 TeV)			
<a href="#">14508927</a>		Pending		16-BDT Interface test			
<a href="#">14508928</a>		Pending		18-BDT BI and control integration			
<a href="#">14508929</a>		Pending		20-BDT Beam energy tracking system			
<a href="#">14508930</a>		Pending		22-BDT Dump request			
<a href="#">14508931</a>		Pending		24-BDT Local post mortem			
<a href="#">14508932</a>		Pending		26-BDT Vacuum control communication			
<a href="#">14508933</a>		Pending		28-BDT BPM tests			
<a href="#">14508934</a>		Pending		30-BDT BTV tests			
<a href="#">14508935</a>		Pending		32-BDT BLM tests			
<a href="#">14508936</a>		Pending		34-BDT FBCT tests			
<a href="#">14508937</a>		Pending		36-BDT BIC remote operation			
<a href="#">14508938</a>		Pending		38-BDT Arming of BIC			
<a href="#">14508939</a>		Pending		40-BDT Abort gap synchronization			
<a href="#">14508940</a>		Pending		42-BDT Injection system comm			
<a href="#">14508941</a>		Pending		44-BDT Reliability Run			
<a href="#">14508942</a>		Pending		46-BDT System Commissioned			

# Beam Dumping System

## Slot Folder: Installation Jobs

**Slot Identifier:** MKBV.623280.B2  
**Other Identifier:** None  
**Description:** Diluter Dump Kicker

Main | Slot data | **Installation & Commissioning** | Operation | Documents | History

Actions : [Create Job](#)

Job Id	R/E	Status	Res.	Description	Show Last Repeated		
					Started	Ended	NC
<a href="#">14304618</a>		Pending		10-MKB Communication tests			
<a href="#">14304619</a>		Pending		12-MKB Individual generator tests			
<a href="#">14304620</a>		Pending		14-MKB Timing test			
<a href="#">14304621</a>		Pending		16-MKB Test EMC (450 GeV)			
<a href="#">14304622</a>		Pending		18-MKB Test EMC (7 TeV)			
<a href="#">14304623</a>		Pending		20-MKB Pearson coils tests			
<a href="#">14304624</a>		Pending		22-MKB Synchronization test			
<a href="#">14304625</a>		Pending		24-MKB Local Beam Energy Tracking			
<a href="#">14304626</a>		Pending		26-MKB Signal acquisition system			
<a href="#">14304627</a>		Pending		28-MKB IPOC			
<a href="#">14304628</a>		Pending		30-MKB Internal Failure reaction			
<a href="#">14304629</a>		Pending		32-MKB Pulse test at 450 GeV			
<a href="#">14304630</a>		Pending		34-MKB Pulse at 7 TeV			

# Diluter Dump Kicker

## Slot Folder: Installation Jobs

**Slot Identifier:** MKD.D5L6.B1  
**Other Identifier:** None  
**Description:** Ejection Dump Kicker

Main Slot data **Installation & Commissioning** Operation Documents History

Actions : **Create Job**

Job Id	R/E	Status	Res.	Description	Started	Show Last Repeated	
						Ended	NC
<a href="#">14313576</a>		Pending		10-MKD Communication tests			
<a href="#">14313577</a>		Pending		12-MKD Individual generator tests			
<a href="#">14313578</a>		Pending		14-MKD Timing test			
<a href="#">14313579</a>		Pending		16-MKD Test EMC (450 GeV)			
<a href="#">14313580</a>		Pending		18-MKD Test EMC (7 TeV)			
<a href="#">14313581</a>		Pending		20-MKD Rogowsky and Pearson coils tests			
<a href="#">14313582</a>		Pending		22-MKD Synchronization test			
<a href="#">14313583</a>		Pending		24-MKD Re-Trigger distribution			
<a href="#">14313584</a>		Pending		26-MKD Local Beam Energy Tracking			
<a href="#">14313585</a>		Pending		28-MKD Signal acquisition system			
<a href="#">14313586</a>		Pending		30-MKD IPOC			
<a href="#">14313587</a>		Pending		32-MKD Trigger Sync and distribution			
<a href="#">14313588</a>		Pending		34-MKD Internal Failure reaction			
<a href="#">14313589</a>		Pending		36-MKD Pulse test at 450 GeV			
<a href="#">14313590</a>		Pending		38-MKD Pulse at 7 TeV			
<a href="#">12816315</a>		Done	Ok	IN010. Initial alignment	2007-02-13	2007-02-13	

# Ejection Dump Kicker

## Slot Folder: Installation Jobs

**Slot Identifier:** TDE.UD62.B2  
**Other Identifier:** None  
**Description:** Dump for Ejected Beam, External

Actions : [Create Job](#)

Job Id	R/E	Status	Res.	Description	Started	Ended	NC
<a href="#">14508918</a>		Pending		10-TDE Handling tests			
<a href="#">14508919</a>		Pending		12-TDE Ventilation system tests			

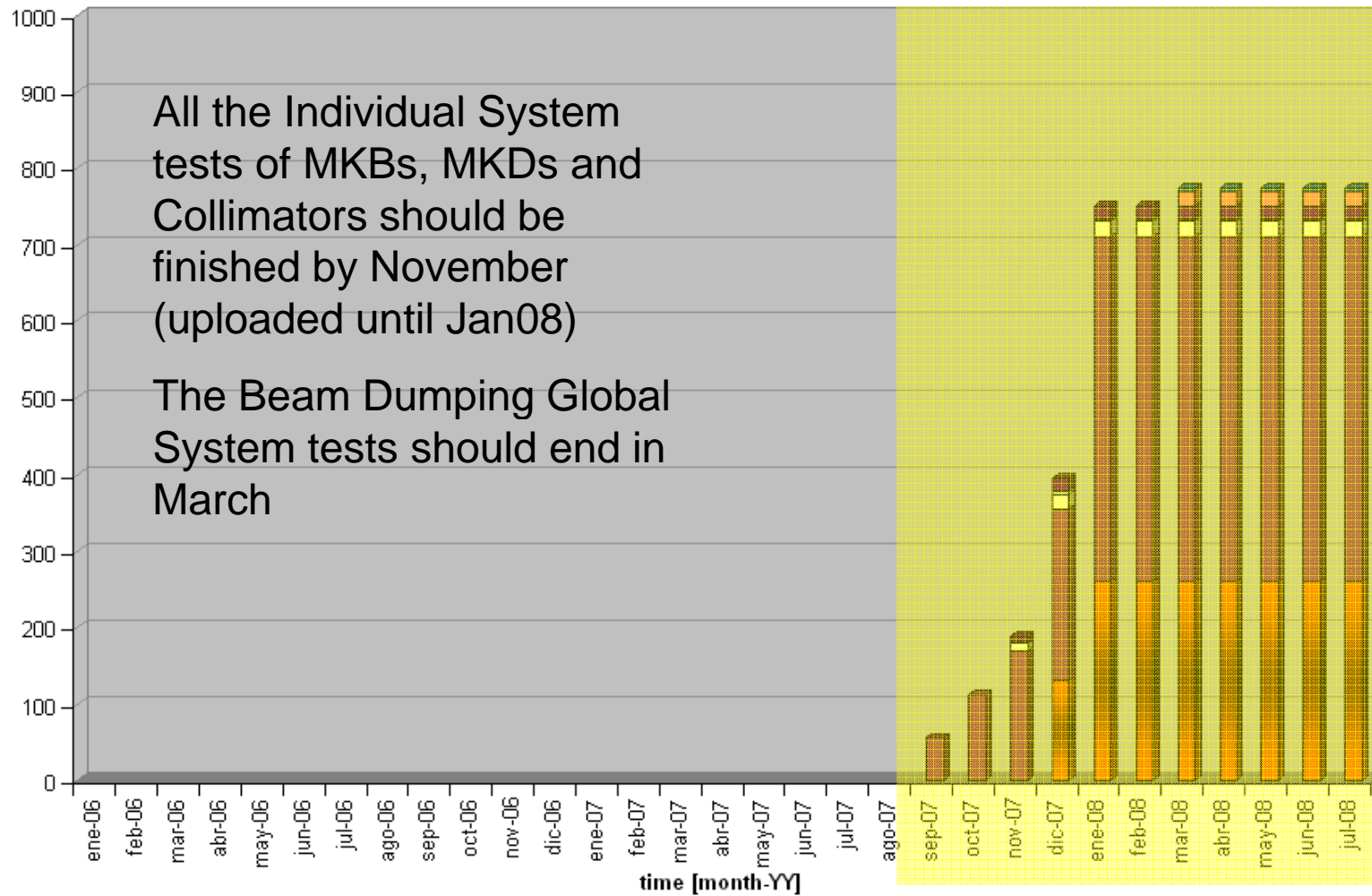
# TDE

Class Description	<b>LHC Beam Dumping System</b>
Class Code	<b>TD / TCDS / TCDQM / TCDQ / TDE / MKB / MKD</b>
Responsible	<b>Jan Uythove / Mirko Pojer</b>
Number of Slots	<b>1 / 4 / 4 / 4 / 2 / 20 / 30</b>
Number steps	<b>19 / 4 / 1 / 5 / 2 / 13 / 15</b>
Number of properties	<b>None</b>
% steps uploaded	<b>0%</b>
% properties uploaded	<b>N/A</b>
Documents	<b>None</b>
Comments	<b>None</b>
NCRs	<b>None</b>
Upload type	<b>Manual</b>
Upload particularities	<b>None</b>
Access Rights	<b>Not defined yet !</b>
Layout Database-MTF Link	<b>?</b>
Expected Modifications	<b>No</b>

Write rights & NCRs creation	To be notified of NCRs	Management of NCRs	NCRs approval

Access Rights as they are today for Beam Dumping System

Beam Dumping System

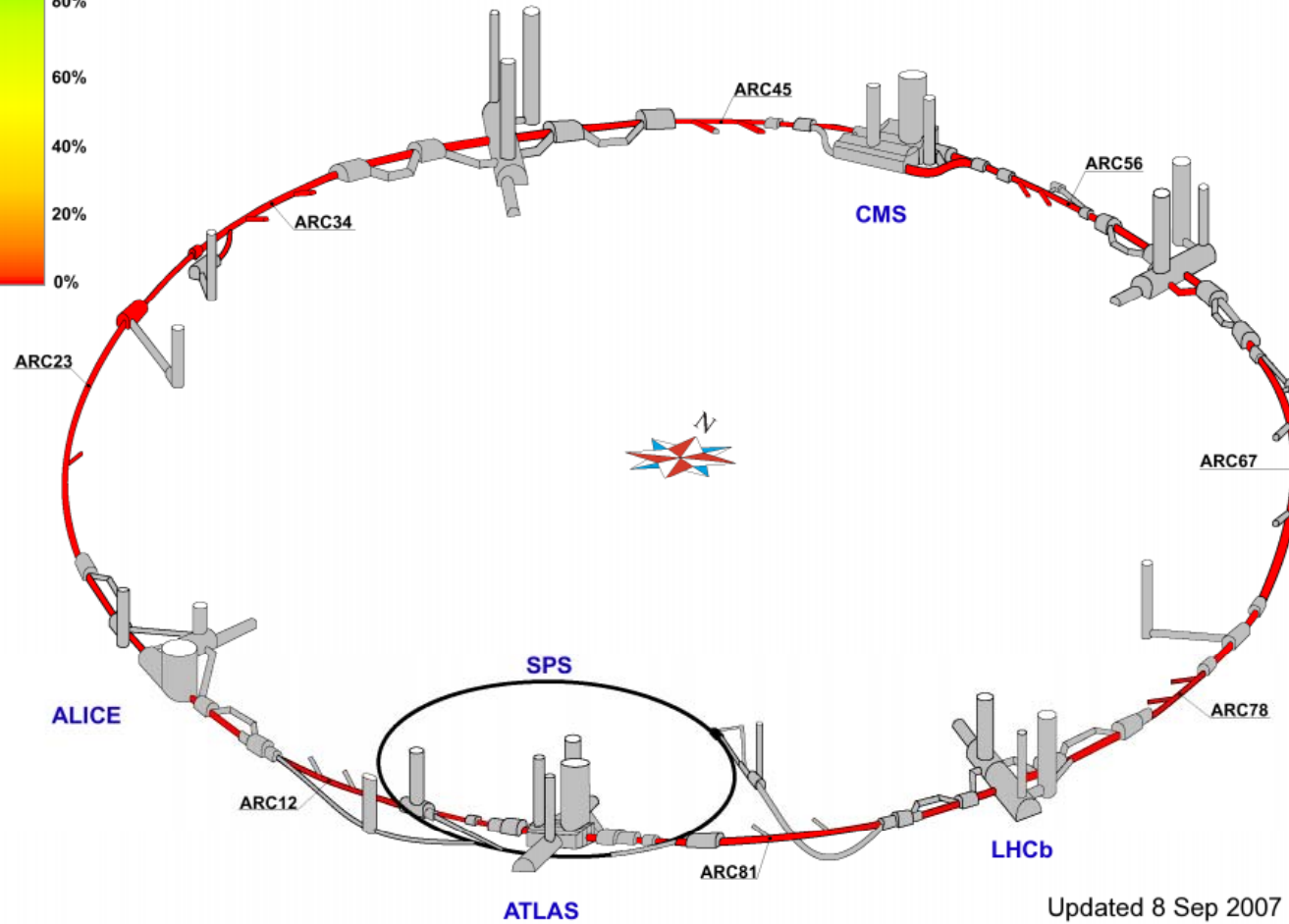
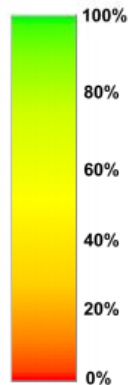




## Progress of Individual System Tests of Collimators

- GENERAL STATISTICS
- UPLOAD BY REGION
- UPLOAD BY SLOT CLASS

31.83%	AC Distribution
0%	Beam Dumping
7.01%	Beam Instrumentation
4.51%	Circuits
86.79%	Cooling
0%	Collimators
66.67%	Ventilation
4.4%	Cryogenics
14.29%	DFB
19.72%	EIQA
96.54%	Energy Extraction
63.89%	Power Cables
86.97%	Power Converters
95.9%	Powering Interlocks
10.8%	Quench Protection
67.5%	Radiation Monitoring
0%	Radio Frequency
77.29%	Worldfip Segments
10.24%	LHC Access
33.83%	Warm Magnets



Updated 8 Sep 2007  
by Jacek Szutnik

# Collimators

## Slot Folder: Installation Jobs

**Slot Identifier:** TCHSH.6L3.B1  
**Other Identifier:** None  
**Description:** Collimator

Main   Slot data   <b>Installation &amp; Commissioning</b>   Operation   Documents   History						
Actions : <a href="#">Create Job</a>						
Job Id	R/E	Status	Res.	Description	Show Last Repeated	
					Started	Ended   NC
<a href="#">13815669</a>		Pending		10-BS Cooling Water Infrastructure		
<a href="#">13815670</a>		Pending		12-BS Final Cabling and Plug-in Check		
<a href="#">13815671</a>		Pending		14-TE Removing Blocking of Jaws		
<a href="#">13815672</a>		Pending		16-TE Water Tightness - Flow Rate Adjustment		
<a href="#">13815673</a>		Pending		18-TE Jaw Movement and Pos. Sensor Response		
<a href="#">13815674</a>		Pending		20-TE Temperature Sensor Response Check		
<a href="#">13815675</a>		Pending		22-FS Auto-retraction Test		
<a href="#">13815676</a>		Pending		24-FS LVDT and Resolver Calibration		
<a href="#">13815677</a>		Pending		26-FS Interlock Chain Check		
<a href="#">13815678</a>		Pending		28-FS Communication Check		
<a href="#">13815679</a>		Pending		30-FSV Auto-Retraction Tests		
<a href="#">13815680</a>		Pending		32-FSV Measurement of Mechanical Play		
<a href="#">13815681</a>		Pending		34-FSV LVDT and Resolver Calibration Check		
<a href="#">14441506</a>		Pending		IN010. Initial alignment		

# Collimators

## Slot Folder: Properties

**Slot Identifier:** TCHSH.6L3.B1  
**Other Identifier:** None  
**Description:** Collimator

[Main](#) | [Slot data](#) | [Installation & Commissioning](#) | [Operation](#) | [Documents](#) | [History](#)

Actions : [Edit](#)

External Links

No external data link exists

Property Values

Property	Nominal Value	Value	Unit
FS Retraction_A			mm
FS Retraction_B			mm
FS Retraction_C			mm
FS Retraction_D			mm
FSV Retraction_A			mm
FSV Retraction_B			mm
FSV Retraction_C			mm
FSV Retraction_D			mm
FSV Mechanical Play			mm
EDMS Procedure			

# Collimators

Class Description	<b>Collimator</b>
Class Code	<b>TC</b>
Responsible	<b>Thomas Weiler</b>
Number of Slots	<b>160</b>
Number steps	<b>14</b>
Number of properties	<b>10</b>
% steps uploaded	<b>0%</b>
% properties uploaded	<b>0%</b>
Documents	<b>none</b>
Comments	<b>none</b>
NCRs	<b>none</b>
Upload type	<b>manual</b>
Upload particularities	<b>none</b>
Access Rights	<b>See next slide</b>
Layout Database-MTF Link	<b>?</b>
Expected Modifications	<b>Add Step 17-TE Switch and End Stop Position Links to the equipment slots is possible ?</b>

Write rights & NCRs creation	To be notified of NCRs	Management of NCRs	NCRs approval
<p>LHC-HWC-COLLI-MTF Group + role LHC-HWC-COLLIMATOR in context LHC-HWC-MTF and D7i:</p> <p>Rocio Chamizo, Oliver Aberle, Roberto Losito, Ralph Assmann, Thomas Weiler, Alessandro Masi, Jerome Lendaro, Arnaud Brielmann, Mathieu Donze, Pierre Gander, C.Podevin</p>	<p>4 notifications (LHC-HWC-COLLI-%) based on role CERN-PE and LHC-HWC-47:</p> <p>Rocio Chamizo, Oliver Aberle, Roberto Losito, Ralph Assmann, Thomas Weiler, Alessandro Masi, Gerome Lendaro, Arnaud Brielmann, Mathieu Donze, Pierre Gander, C.Podevin</p>	<p>CERN-PE in LHC-HWC-COLLIMATOR-MTF (ORG-002363) Context: Oliver Aberle, Ralph Assmann, Roberto Losito, Thomas Weiler</p>	<p>LHC-HWC-46 EDMS List: Oliver Aberle, Ralph Assmann, Roberto Losito, Thomas Weiler</p>

Access Rights as they are today for Collimators

**ALICE Zero Degree Calorimeter**

Slot Name	Slot Other Identifier	10-ALICE ZDC Installation	20-ALICE ZDC Detector Commissioning	30-ALICE ZDC Platform Commissioning	IN010. Initial alignment
<a href="#">X2ZDC.4L2</a>		Pending	Pending	Pending	Pending
<a href="#">X2ZDC.4R2</a>		Pending	Pending	Pending	Pending

**ATLAS Zero Degree Calorimeter**

Slot Name	Slot Other Identifier	10-ATLAS ZDC Installation	20-ATLAS ZDC Commissioning	IN010. Initial alignment

**CMS Zero Degree Calorimeter**

Slot Name	Slot Other Identifier	10-CMS ZDC Installation	20-CMS ZDC Commissioning	IN010. Initial alignment

**LHCf**

Slot Name	Slot Other Identifier	10-LHCf First Installation and Commissioning	20-LHCf Final Installation and Commissioning
<a href="#">X1FCL.4L1</a>		Done Ok	Pending
<a href="#">X1FGR.4R1</a>		In Progress	Pending

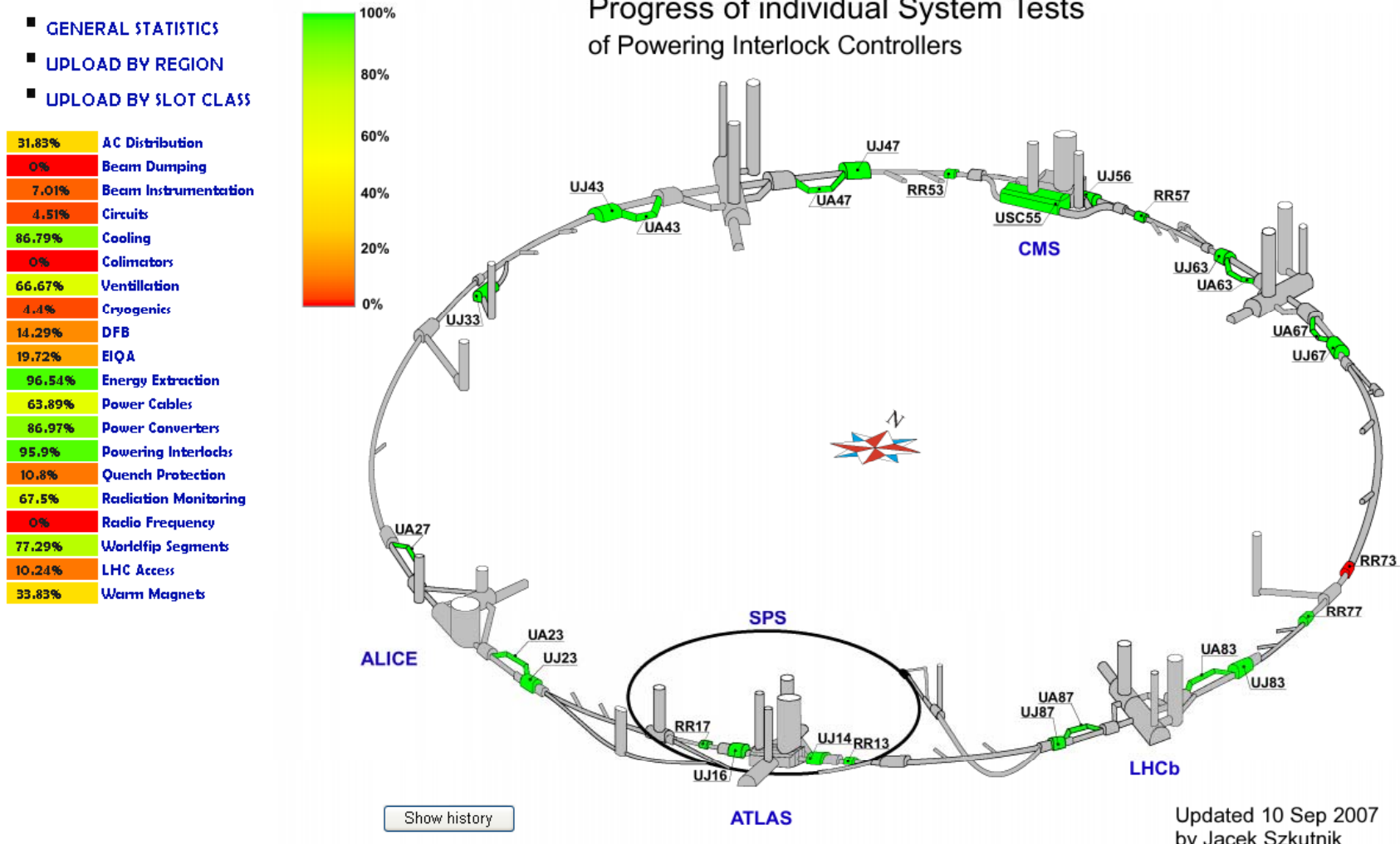
**TOTEM Roman Pot**

Slot Name	Slot Other Identifier	10-TOTEM RP Installation	20-TOTEM RP Commissioning	IN010. Initial alignment
<a href="#">XRPT1.4L5.B2</a>		Pending	Pending	Done Ok
<a href="#">XRPT1.4R5.B1</a>		Pending	Pending	Pending
<a href="#">XRPT1.5L5.B2</a>		Cancelled Cancelled	Cancelled Cancelled	Cancelled Cancelled
<a href="#">XRPT1.5R5.B1</a>		Pending	Pending	Pending
<a href="#">XRPT1.6L5.B2</a>		Pending	Pending	Done Ok
<a href="#">XRPT1.6R5.B1</a>		Pending	Pending	Pending
<a href="#">XRPT2.4L5.B2</a>		Pending	Pending	Done Ok
<a href="#">XRPT2.4R5.B1</a>		Pending	Pending	Pending
<a href="#">XRPT2.5L5.B2</a>		Pending	Pending	Pending
<a href="#">XRPT2.5R5.B1</a>		Pending	Pending	Pending
<a href="#">XRPT2.6L5.B2</a>		Pending	Pending	Done Ok
<a href="#">XRPT2.6R5.B1</a>		Pending	Pending	Pending

# Forward Detectors

# Controls

# Progress of individual System Tests of Powering Interlock Controllers



# Powering Interlock Control



## Slot Folder: Installation Jobs

**Slot Identifier:** CIP.RB.A45  
**Other Identifier:** None  
**Description:** Powering Interlock

Actions : [Create Job](#)

Job Id	R/E	Status	Res.	Description	Started	Ended	NC
<a href="#">12894946</a>		Done	Ok	10-Individual System Tests (*)	2006-02-16	2006-02-16	
<a href="#">14131371</a>	R	Done	Ok	10-Individual System Tests (*)	2007-02-07	2007-02-09	

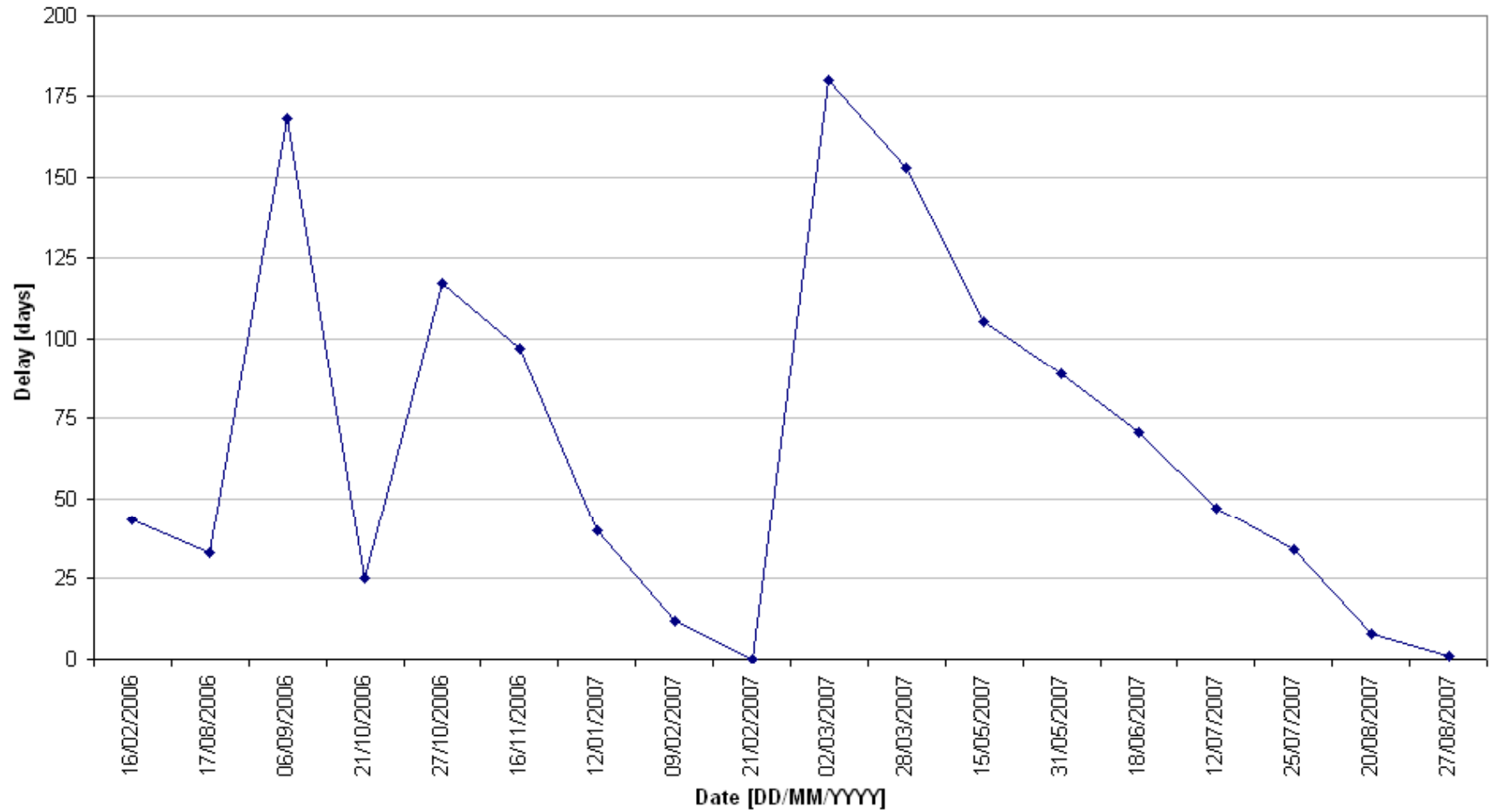
# Powering Interlock Control

Class Description	<b>Powering Interlock</b>
Class Code	<b>RC07</b>
Responsible	<b>Markus Zerlauth</b>
Number of Slots	<b>820</b>
Number steps	<b>1</b>
Number of properties	<b>1 EDMS Procedure</b>
% steps uploaded	<b>96%</b>
% properties uploaded	<b>N/A</b>
Documents	<b>7%</b>
Comments	<b>2%</b>
NCRs	<b>None</b>
Upload type	<b>100 % automatic upload</b>
Upload particularities	<b>XML file creator</b>
Access Rights	<b>See next slide</b>
Layout Database-MTF Link	<b>?</b>
Expected Modifications	<b>NO</b> <b>Difficulties in changing the profiles – what does it imply</b>

Write rights & NCRs creation	To be notified of NCRs	Management of NCRs	NCRs approval
LHC-HWC-POWER-IN-MTF Group + role LHC-HWC-POWER-INTER in context LHC-HWC-MTF and D7i: M.Zerlauth, B.Pucclo, F.Chevrier, Robert Harrison, Julien Mariethoz, Luis Miguel Martínez, Juan Blanco, Alejandro Castañeda, Iván Romera	4 notifications (LHC-HWC-Power_Interl%) based on role CERN-PE and LHC-HWC-37: Robert Harrison, Markus Zerlauth, Julien Mariethoz, Juan Blanco, Alejandro Castañeda, Iván Romera	CERN-PE in LHC-HWC-POWERING-INTERLOCK-MTF (ORG-001976): Robert Harrison, Markus Zerlauth	LHC-HWC-36 EDMS list: Robert Harrison, Markus Zerlauth
Alejandro Castañeda, Iván Romera			

Access Rights as they are today for PIC

### Powering Interlock Control - Individual System Tests



## Slot Folder: Installation Jobs

**Slot Identifier:** CIF.RD1.LR1  
**Other Identifier:** None  
**Description:** Fast Magnet Current Change Monitor

Main Slot data **Installation & Commissioning** Operation Documents History

Actions : [Create Job](#)

Job Id	R/E	Status	Res.	Description	+	Started	Ended	NC
<a href="#">13936266</a>		Pending		10-CIF Individual System Tests				

[Show Last Repeated](#)

# Fast Magnet Current Change Monitor

Class Description	<b>Fast Magnet Current Change Monitor</b>
Class Code	<b>CIF</b>
Responsible	<b>Markus Zerlauth</b>
Number of Slots	<b>12</b>
Number steps	<b>1</b>
Number of properties	<b>1 EDMS Procedure</b>
% steps uploaded	<b>0%</b>
% properties uploaded	<b>N/A</b>
Documents	<b>0%</b>
Comments	<b>0%</b>
NCRs	<b>None</b>
Upload type	<b>automatic upload</b>
Upload particularities	<b>XML file creator</b>
Access Rights	<b>See next slide</b>
Layout Database-MTF Link	<b>?</b>
Expected Modifications	<b>NO</b>

Write rights & NCRs creation	To be notified of NCRs	Management of NCRs	NCRs approval
LHC-HWC-CIF-MTF Group + role LHC-HWC-CIF in context LHC-HWC-MTF and D7i: Markus Zerlauth, Pierre Dahlen	4 notifications (LHC-HWC-CIF-%) based on role CERN-PE and LHC-HWC-59: Markus Zerlauth, Pierre Dahlen, Bruno Puccio, Rudiger Schmidt, Arend Dinius	CERN-PE in LHC-HWC-CIF-MTF (ORG-002412) Context: Markus Zerlauth, Pierre Dahlen	LHC-HWC-58 EDMS List: Markus Zerlauth, Pierre Dahlen, Bruno Puccio, Rudiger Schmidt, Arend Dinius, Hugues Thiesen
	Dinius		

Access Rights as they are today for CIF

## Slot Folder: Installation Jobs

**Slot Identifier:** CIB.SR3.S3  
**Other Identifier:** None  
**Description:** Beam Interlock Controller

Actions : [Create Job](#)

Job Id	R/E	Status	Res.	Description	Show Last Repeated	Started	Ended	NC
<a href="#">13853177</a>		Pending		10-Vacuum User_Permit Signal Check				
<a href="#">14193185</a>		Pending		12-Beam_Info Signal BIS-BDS-Vacuum System				
<a href="#">14193201</a>		Pending		14-Threshold change and Interlock Generation				
<a href="#">14193217</a>		Pending		16-Dump Beam 1 due to Valve Closure on Beam 1				
<a href="#">14193233</a>		Pending		18-Dump Beam 2 due to Valve Closure on Beam 2				
<a href="#">14193249</a>		Pending		20-Dump Beam 1 and 2 due to Closure of Valve				

# Beam Interlock Controller



Class Description	<b>Beam Interlock Controller</b>
Class Code	<b>CIB</b>
Responsible	<b>Bruno Puccio / Markus Zerlauth</b>
Number of Slots	<b>16</b>
Number steps	<b>6</b>
Number of properties	<b>1 EDMS Procedure</b>
% steps uploaded	<b>0%</b>
% properties uploaded	<b>N/A</b>
Documents	<b>0%</b>
Comments	<b>0%</b>
NCRs	<b>None</b>
Upload type	<b>Automatic/manual upload</b>
Upload particularities	<b>none</b>
Access Rights	<b>See next slide</b>
Layout Database-MTF Link	<b>?</b>
Expected Modifications	<b>NO</b>

Write rights & NCRs creation	To be notified of NCRs	Management of NCRs	NCRs approval
LHC-HWC-CIB-MTF Group + role LHC-HWC-CIB in context LHC-HWC-MTF and D7i: Bruno Puccio, Benjamin Todd, Juan Blanco, Christophe Martin	4 notifications (LHC-HWC-CIV-%) based on role CERN-PE and LHC-HWC-57: Bruno Puccio, Benjamin Todd, Juan Blanco, Christophe Martin, Bertrand Lavazais, Arend Dinius	CERN-PE in LHC-HWC-CIB-MTF (ORG-002411) Context: Bruno Puccio, Benjamin Todd, Juan Blanco, Christophe Martin	LHC-HWC-56 EDMS List: Bruno Puccio, Benjamin Todd, Juan Blanco, Christophe Martin

Access Rights as they are today for Beam Interlock Controller

## Slot Folder: Installation Jobs

**Slot Identifier:** CIW.RBI.81607  
**Other Identifier:** None  
**Description:** Warm Magnet Interlock Controller

Actions : [Create Job](#)

Job Id	R/E	Status	Res.	Description	Started	Ended	NC
<a href="#">14087872</a>		Done	Ok	10-Warm Circuit Magnet Interlock Test	2004-08-06	2004-08-08	
<a href="#">14087873</a>		Done	Ok	12- Warm Circuit Power Converter Interlock	2004-08-09	2004-08-10	

Class Description	<b>Warm Interlock Controller</b>
Class Code	<b>CIW</b>
Responsible	<b>Pierre Dahlen / Markus Zerlauth</b>
Number of Slots	<b>78</b>
Number steps	<b>2</b>
Number of properties	<b>1 EDMS Procedure</b>
% steps uploaded	<b>60%</b>
% properties uploaded	<b>N/A</b>
Documents	<b>0%</b>
Comments	<b>50%</b>
NCRs	<b>None</b>
Upload type	<b>100% Automatic upload</b>
Upload particularities	<b>none</b>
Access Rights	<b>See next slide</b>
Layout Database-MTF Link	<b>?</b>
Expected Modifications	<b>NO</b>

Write rights & NCRs creation	To be notified of NCRs	Management of NCRs	NCRs approval
LHC-HWC-CIW-MTF Group + role LHC-HWC-CIW in context LHC-HWC-MTF and D7i: Markus Zerlauth, Pierre Dahlen, Bruno Puccio, Robert Harrison	4 notifications (LHC-HWC-CIW-%) based on role CERN-PE and LHC-HWC-61: Markus Zerlauth, Pierre Dahlen, Bruno Puccio, Robert Harrison	CERN-PE in LHC-HWC-CIF-MTF (ORG-002413) Context: Markus Zerlauth, Pierre Dahlen, Bruno Puccio, Robert Harrison	LHC-HWC-60 EDMS List: Markus Zerlauth, Pierre Dahlen, Bruno Puccio, Robert Harrison

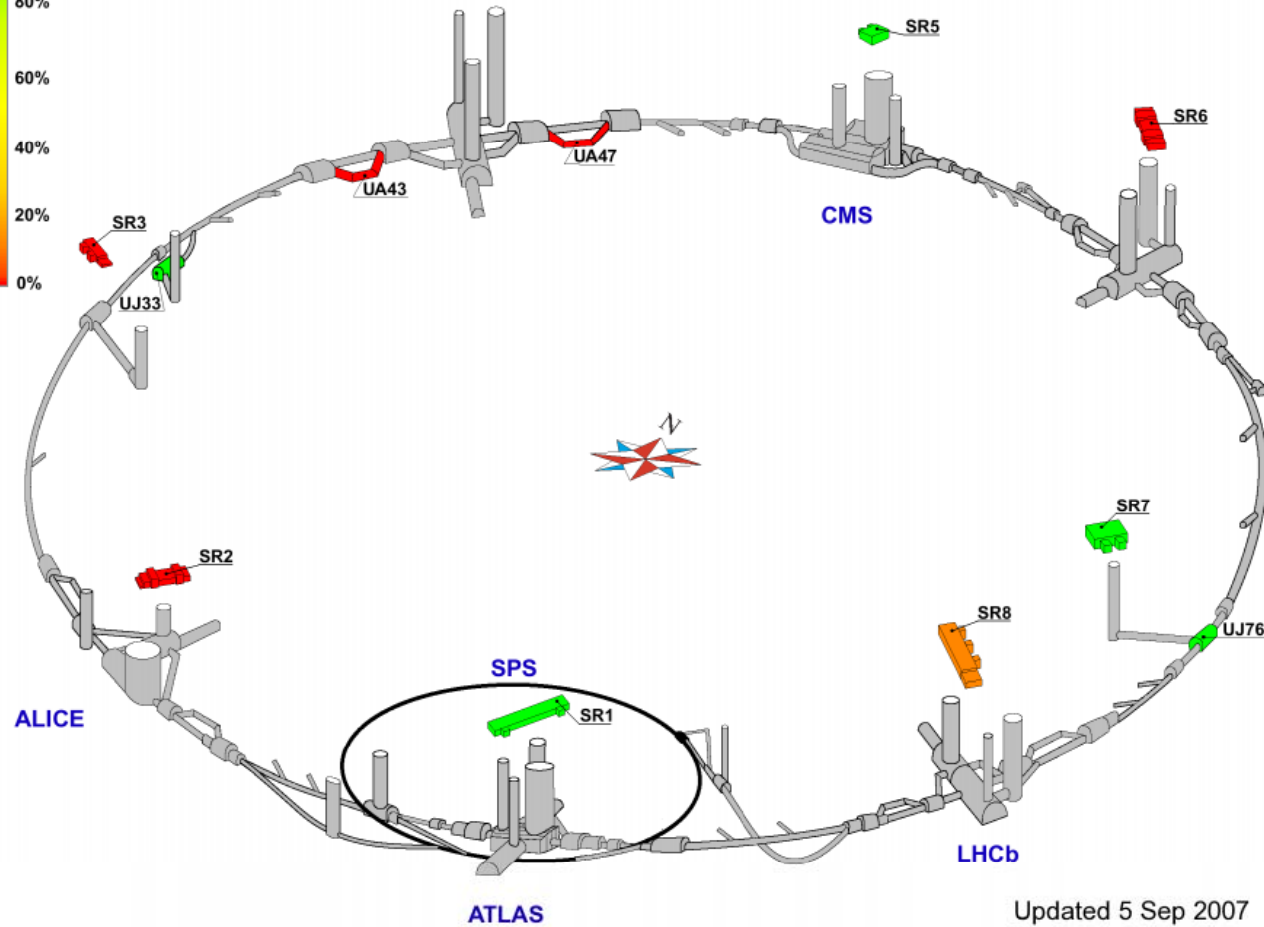
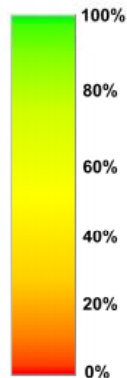
Access Rights as they are today for Warm Interlock Controller



## Progress of individual System Tests of Power Converters for Warm Circuits

- GENERAL STATISTICS
- UPLOAD BY REGION
- UPLOAD BY SLOT CLASS

31.83%	AC Distribution
0%	Beam Dumping
7.01%	Beam Instrumentation
4.53%	Circuits
86.79%	Cooling
66.67%	Ventilation
4.4%	Cryogenics
14.29%	DFB
19.72%	EIQA
96.54%	Energy Extraction
96.91%	600A
78.13%	13kA
63.89%	Power Cables
87.5%	Power Converters
97.87%	for Cold Circuits
96.86%	for Warm Circuits
56.03%	for Orbit Correctors
95.9%	Powering Interlocks
10.8%	Quench Protection
67.5%	Radiation Monitoring
0%	Radio Frequency
77.29%	Worldfip Segments
33.83%	Warm Magnets



Updated 5 Sep 2007  
by Jacek Szutchnik

# Power Converter for Warm Circuits

Write rights & NCRs creation	To be notified of NCRs	Management of NCRs	NCRs approval
<p>LHC-HWC-SUPERCON-MTF Group + role LHC-HWC-SUPERCONDUCT in context LHC-HWC-MTF and D7i:</p> <p>David Nisbet, Valerie Montabonnet</p>	<p>4 notifications (LHC-HWC-SUPERCON-%) based on role CERN-PE and LHC-HWC-51:</p> <p>David Nisbet, Valerie Montabonnet, Yves Thurel, Laurent Ceccone, Klaus Fischer, Andrea Cantone, Miguel Cerqueira-Bastos, Peter Dreesen, Greg Hudson, Quentin King, Gunnar Fernqvist, Fredreick Bordry</p>	<p>CERN-PE in LHC-HWC-SUPERCONDUCTING-CIRCUITS-MTF (ORG-002386) Context:</p> <p>David Nisbet, Valerie Montabonnet</p>	<p>LHC-HWC-50 EDMS list:</p> <p>David Nisbet, Valerie Montabonnet, Yves Thurel, Laurent Ceccone, Klaus Fischer, Andrea Cantone, Miguel Cerqueira-Bastos, Peter Dreesen, Greg Hudson, Quentin King, Gunnar Fernqvist, Fredreick Bordry</p>

Access Rights as they are today for Power Converter for Warm Circuits (RW00 and RW01)