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# LHCb Calo ECS twiki page

## ECS Guidelines

Note Document 732486 ver. 3

"LHCb ECS Integration Guidelines"

by Clara GASPAR <https://edms.cern.ch/document/732486/3>

## Calo ECS PCS

	System	Name	IP Address	Rack	OS
SPECS	HCAL C side	hcdaghvc01w	10.130.20.03	D2C03	W
	ECAL DAQ C side	ecdaqhvc01w	10.130.20.20	D2C03	W
	ECAL HV C side	echvc01w	10.130.20.32	D2C03	W
	PRS/SPD C side	psdaqhvc01w	10.130.20.21	D2C03	W
	HCAL A side	hcdaghva01w	10.130.20.35	D2C03	W
	ECAL DAQ A side	ecdaqhva01w	10.130.20.34	D2C03	W
	ECAL HV A side	echva01w	10.130.20.30	D2C03	W
	PRS/SPD A side	psdaqhva01w	10.130.20.36	D2C03	W
	Rad Source	hcacs01w	10.130.20.17	D2C03	W
	Rad Source	hcacs02w	10.130.20.67	D2C03	W
LV	Power Supplies	cadcs01w	10.130.20.19	D2C06	W
DCS	ELMB Control	cadcs02w	10.130.20.42	D2C03	W
TELL1	HCAL - PS-SPD	hcdag01	10.130.39.13	D2C07	L
	ECAL	ecdag01	10.130.39.6	D2C07	L
Test	CALO	cadaghv01	10.128.20.125	D2C03	L

## SPECS

Specs PVSS numbers are put between parentheses.

PC	MASTER (PCI Bus)	Port 1	Port 2	Port 3	Port 4
PSDAQHVA01W	1	PRS4(13)	PRS5(14)	empty	PHV0
	2	PRS6(9)	PRS7(10)	empty	empty
HCDAQHVA01W	1	HCAL24	HCAL25	empty	HHVA
ECDAQA01W	1	ECAL15 (13)	ECAL16 (14)	ECAL17 (15)	empty
	2	ECAL18 (9)	ECAL19 (10)	ECAL20 (11)	ECAL21 (12)
ECHVA01W	1	EHV0	EHV1	EHV2	EHV3
PSDAQHVC01W	1	PRS0(13)	PRS1(14)	empty	PHV1
	2	PRS2(9)	PRS3(10)	empty	empty
ECDAQC01W	1	ECAL8 (13)	ECAL9 (14)	ECAL10 (15)	empty
	2	ECAL11(9)	ECAL12 (10)	ECAL13 (11)	ECAL14 (12)
ECHVC01W	1	EHV4	EHV5	EHV6	EHV7
HCDAQHVC01W	1	HCAL22	HCAL23	empty	HHVC
	2	empty	empty	empty	empty
	3	empty	empty	empty	empty
HCDCS01W	1	IntegC	IntegA	empty	empty

## PVSS Project Numbers

System	Number	Project Name	Description	PC
PRS	180	PRSDAQC1	PreShower-SPD DAQ Domain for the C-side	psdaqhvc01w
	181	PRSDAQA1	PreShower-SPD DAQ Domain for the A-side	psdaqhva01w
	182	PS1	PreShower-SPD Main Subdetector project	psdaqhvc01w
	183	PSTELL1	PRS TELL1 Project	hcdaq01
	184	<i>CARACKMONI</i>	<i>Platform racks monitoring</i>	<i>cadcs02w</i>
	185	PSHVC1	PreShower-SPD HV domain C-side	psdaqhvc01w
	186	PSHVA1	PreShower-SPD HV domain A-side	psdaqhva01w
	187	<i>CADCSOSS</i>	<i>Test project to get DSS alarms</i>	<i>cadcs02w</i>
	188	<i>SPDDCST1</i>	<i>VFE Temperature monitoring for the SPD</i>	<i>cadcs02w</i>
	189	PSDCST1	ELMB VFE Temperature probes	cadcs02w
ECAL	190	ECDAQC1	ECAL DAQ Domain C-side	ecdaqhvc01w
	191	ECDAQA1	ECAL DAQ Domain A-side	ecdaqhva01w
	192	EC1	ECAL Main Subdetector project	ecdaqhvc01w
	193	ECTELL1	ECAL TELL1 Project	ecdaq01
	194			
	195	ECHVC1	ECAL HV Domain C-side	echvc01w
	196	ECHVA1	ECAL HV Domain A-side	echva01w
	197			
	198			
	199	CA1	Global Calorimeter Control Project	hcdaqhva01w
HCAL	200	HC1	HCAL Main Subdetector project	hcdaqhvc01w
	201	HCDAQC1	HCAL DAQ Domain C-side	hcdaqhvc01w
	202	HCDAQA2	HCAL DAQ Domain A-side	hcdaqhva01w
	203	HCTELL1	HCAL TELL1s Project	hcdaq01
	204			
	205	HCHVC1	HCAL HV domain C-side	hcdaqhvc01w
	206	HCHVA1	HCAL HV domain A-side	hcdaqhva01w
	207	CADCSLV	Low Voltage Non Rack Maraton power supplies for all CALO sub-detectors	cadcs01w
	208	CADCSMV	Middle Voltage Agilent power supplies for all CALO sub-detectors	cadcs01w
	209	<i>CAMONI</i>	<i>Project to retrieve data from PVSS Oracle Archive</i>	<i>cadcs01w</i>

Projects in *italics* are not yet in production

## Crate Name Conversion Tables

Crate Names conversion tables from the Calorimeter usual naming to the Rackwizard naming

### HCAL

<b>C-SIDE</b>	HCAL22	L3A03L
	HCAL23	L3A03M
<b>A-SIDE</b>	HCAL24	L3A13M
	HCAL25	L3A13L

**ECAL**

<b>C-SIDE</b>	ECAL8	L3B04L
	ECAL9	L3B04M
	ECAL10	L3B03L
	ECAL11	L3B02L
	ECAL12	L3B02M
	ECAL13	L3B01L
	ECAL14	L3B01M
<b>A-SIDE</b>	ECAL15	L3B11L
	ECAL16	L3B11M
	ECAL17	L3B12L
	ECAL18	L3B12M
	ECAL19	L3B13L
	ECAL20	L3B14L
	ECAL21	L3B14M

**PRS**

<b>C-SIDE</b>	PRS0	L3B04U
	PRS1	L3B03U
	PRS2	L3B02U
	PRS3	L3B01U
<b>A-SIDE</b>	PRS4	L3B11U
	PRS5	L3B12U
	PRS6	L3B13U
	PRS7	L3B14U

**Project Shortcuts**

To be found in G:\calo\pvss

To be run from a machine with PVSS installed. They generate Device Editor and Navigator.

<b>Shortcut Name</b>	<b>Project</b>
CA1_UI_DEN	Global Calorimeter Control Project
CADCSLV_UI_DEN	Low Voltage Non Rack Maraton power supplies for all CALO sub-detectors
CADCSMV_UI_DEN	Middle Voltage Agilent power supplies for all CALO sub-detectors
EC1_UI_DEN	ECAL Main Subdetector project
ECDAQA1_UI_DEN	ECAL DAQ Domain A-side
ECDAQC1_UI_DEN	ECAL DAQ Domain C-side
HC1_UI_DEN	HCAL Main Subdetector project
HCDAQA2_UI_DEN	HCAL DAQ Domain A-side
HCDAQC1_UI_DEN	HCAL DAQ Domain C-side
INFDAI1_UI_DEN	Rack Control Project
PRSDAQ1_UI_DEN	PreShower-SPD DAQ Domain for the A-side
PRSDAQC1_UI_DEN	PreShower-SPD DAQ Domain for the C-side
PS1_UI_DEN	PreShower-SPD Main Subdetector project

## How to make a project backup

WHENEVER YOU PERFORM A CHANGE IN A PVSS PROJECT, MAKE A BACKUP. FOR THIS

- GO TO THE PVSS PROJECT ADMINISTRATOR
- SELECT THE PROJECT YOU WANT TO BACKUP
- CLICK THE RIGHT BUTTON OF THE MOUSE
- SELECT 'COPY PROJECT' – YOU GET THE COPY WINDOW
- BACKUP PROJECT NAME MUST BE

PROJECTNAME\_DDMMYY

I usually write the month name using the first 3 letters, but do as you feel better provided you backup.

- LOCATION OF THE BACKUP PROJECT MUST BE

L:\PVSS

- THE 'REGISTER PROJECT' TICKBOX MUST BE SELECTED.
- CLICK ON THE TICK BUTTON
- WAIT UNTIL A MESSAGE BOX SAYING THE PROJECT IS CORRECTLY COPIED APPEARS.

COPIES OF RUNNING PROJECTS CAN BE DONE ANYWAY. NEVERTHELESS, REMEMBER A COPY 'FREEZES' THE PROJECT SO SHOULD NOT BE MADE WHILE TAKING DATA. Anyhow if you made a modification, I assume we where not taking data...

## IbCaloPanel help

<https://twiki.cern.ch/twiki/bin/view/LHCb/LHCbCaloEcalIbCaloPanelDescr>

## How to retrieve data from the Oracle Archive

<https://twiki.cern.ch/twiki/bin/view/LHCb/LHCbCaloECSArchiveData>

## CROC Tutorial

[http://frederic.web.cern.ch/frederic/PVSS/PVSS\\_CROCTutorial.html](http://frederic.web.cern.ch/frederic/PVSS/PVSS_CROCTutorial.html)

## LED Tutorial

<https://twiki.cern.ch/twiki/bin/view/LHCb/LHCbCaloLED>

## CALO PIQUET Tutorial

Check the session page

<http://indico.cern.ch/conferenceDisplay.py?confId=36263>

For the ECS and DCS presentations, just see the attached files.

- ECSOverview.ppt: Calo Piquet first training session - ECS overview and Introduction

- DCSandDSS.ppt: Calo Piquet first training session - DCS and DSS

-- XavierVilasis - 02 Oct 2008

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