



CMS-Production Status at PAEC-3

Presented By:-

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Road Map

- Current Hardware Resources
- Internet Connectivity
- Events Produced
- Software Status at PAEC-3
- Human Resources of PAEC-3
- CMS-LCG Production Status of PAEC-3
- Other Matters Related to CMS Production
- Suggestions / Finding



Current Hardware Resources

PAEC-3 has a cluster of 05 Machines for its production activities. The Breakup of Current Hardware Resources is Given below.

Hardware Resources			Total
Processing	P-IV 3.20 x 1 Ghz	P-III 1.20 x 4 Ghz	8 Ghz
Storage	20 Gb	80 Gb x 3 + 120 Gb x 1	0.38 Tb
Memory	512 Mb	512 Mb x 4	2.5 Gb



Internet Connectivity

Bandwidth	128 Kbps
Media	Wireless
Supplier	M/s Paknet
Expandable	10 Mbs
Status	Purchasing

No. of Events Produced

Assignment ID	Nb.Of Evts	Assignment Type	Dar Ball	ProductionCycle
3702	100/100	CMKIN	CMKIN_1_0_2	genPYT102
3953	10000/10000	CMKIN	CMKIN_2_0_1	genPYT201
3946	100/100	CMKIN	CMKIN_2_0_1	
3947	100/100	CMKIN	CMKIN_2_0_1	
3705	100/100	CMSIM	CMS132	cms132
4155	10000/10000	CMSIM	CMS133	cms133
4156	10000/10000	CMSIM	CMS133	cms133
4842	100/100	CMKIN	CMKIN_1_0_2	genPYT102
4843	100/100	CMSIM	CMS133	cms133
4999	10000/10000	CMKIN	CMKIN_1_0_2	genPYT102

No. of Events Produced

Assignment ID	Nb.Of Evts	Assignment Type	Dar Ball	ProductionCycle
5003	10000/10000	CMSIM	CMS133	cms133
5252	10000/10000	OSCAR	OSCAR_2_4_5	Hit245_2
5427	10000/10000	ORCA(No PU)	ORCA_7_6_1	NoPU761_TkMu
5874	10000/10000	ORCA	ORCA_7_6_1	2x1033PU761_TkMu_2
6354	4000/4000	CMKIN	CMKIN_3_1_0	genPYT310
6355	4000/4000	CMSIM	CMS133	genPYT310
6356	4000/4000	Hit	ORCA_7_5_2	Hit752
6357	4000/4000	HitPU	ORCA_7_6_1	2x1033PU761_TkMu
6384	10000/10000	CMKIN	CMKIN_1_0_2	genPYT102
6385	10000/10000	OSCAR	OSCAR_2_4_5	Hit245_2
6641	100/100	CMKIN	CMKIN_1_0_2	genPYT102
6642	100/100	OSCAR	OSCAR_2_4_5	Hit245_2
Total	34,600			

Software Status at PAEC-3

The Following software are installed at PAEC-3

S.No.	Name	Version
1	CERN Linux	7.3.3
2	McRunJob	fin050211b
3	Shahkar	2.2
4	CMKIN	2_0_1
5	CMSIM	CMS133
6	OSCAR	2_4_5
7	ORCA	8_1_3
8	BOSS	3_3_7
9	Pythia	6.158
10	PBS	2.3 pl2-1
11	COBRA	7_8_5



Human Resources of PAEC-3

S.No.	Name	Qualification	Training at CERN
1	Mr. Imtiaz Ahmad Sajid	MSc (Phy), M.S (CS)	No
2	Mr. Inayat ur Rehman	MSc (CS) , M.E (NP)	No
3	Mr. Muhammad Usman Malik	MCS	No
4	Mr. Robeel Shaukat	BCS	No

Moreover 2 IT officers have been appointed by PAEC-3 Who will join PAEC-3 production centre shortly.



CMS-LCG Production Status of PAEC-3

PAEC-3 has initiated essential steps to start LCG Production.

1. A user certificate from CA has been obtained.
2. A user account with LCG registrar has been created.
3. Request for VO membership has been submitted and waiting for CMS people database membership.



Other Matters Related to CMS Production

1. PAEC-3 is also responsible for the preparation of RC Installation Guide for whole production community.
2. RC Installation Guide requires time to time upgradation, Therefore, all the PC managers are requested to send their new experiences to PAEC-3 or NCP enabling PAEC-3 to include them in RC Installation Guide.



Suggestions / Finding

- As RC is a bridge between PCs & CERN, Therefore Communication gap between RC and PCs must be reduced.
- PCs are unaware of the direction or any plans to follow for future.
- Target / Challenge oriented production must be introduced.
 - On time allocation of assignments to PCs.
- RC must ensure provision of technical guidance to PCs before time.
- So far RC effectively coordinate with PAEC-3 but it can be further enhanced.



Summary

- To actively participate in LCG Production our hardware resources are insufficient.
- Insufficient bandwidth connectivity.
- We wish that our human resource get training at CERN.
- Steps have been initiated to complete the prerequisites of LCG Production.
- A plan at RC level must be prepared and all PC managers be aware of it in order to enhance as well as make production process a team effort.

Thank YOU

