



CMS RPC Endcap Status Report

2005 Milestones

Production
18 RE1/2 and 18 RE1/3 Installation April end
60 RE1/2 & 60 RE1/3
Installation October-November
Configuration & Conditions DB should be ready for Magnet Test



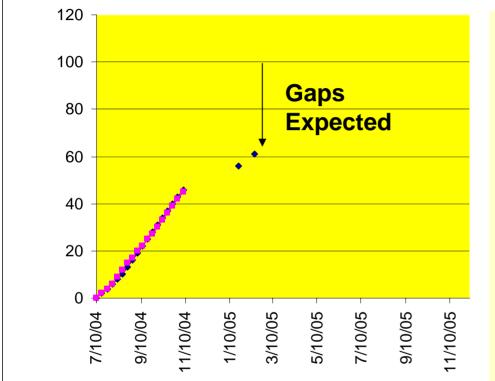
Gap production on schedule

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2		Bakelite ready (cut and cleaned)										4		T				4	İ		4		۱	NO	th	80	l cl	n p	er	bat	ch		Γ							
3		Gaps for RE 1/2 (80*3)																40	I				40	V								۷								
4		Delivery to CERN																4					4		V															
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7		Gaps for RE 2/2 (80*3) 43 RE1/3 Se	Ħ	S	ľ		τ	6	łſ	18	5	00	וכ	Π							40				4	0	V	1	7											
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10		Delivery to Pakistan																				Å					Δ													
11		Gaps for RE 3/2 (80*3)	▼ ready for installation milestone +z																																					
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13		Gaps for RE 3/3 (80*3)	delivery at assembly site																																					
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RE 1 assembly @ ISR lab





Focus on Dec 05 – Jan 05 Preparation

gas pipes – 120 chambers Cables – 60 chambers Mechanics .. Cover closing Alu plates

Chamber production rate Expected > 6 per week

March 20 RE1/2 mass production re-launch GOAL: May 30 RE1/2 complete

April end RE1/3 Gaps expected mass production re-launch GOAL: September 30 RE1/2 complete







4 Checklists At different stages of production RE1/3 ready for tests

Cosmic Tests : See Andrey's talk



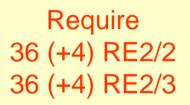


March 14-18 2005

Since Jun '04



RE2/2, 2/3 Pakistan Production site







Waiting for Final Destination: Point 5

RACK No.3

2005

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Barrel and Forward (Endcap) RPC's Configuration and Condition database requirements for CMS Core DB Team **Document history** - Following DB Workshop Jan 24-28



Version Number	Description	Author	Date
0.1	First draft about RPC sub-detector description and related database requirements after having discussion with Frank Glege, Anil Kumar, Saima Iqbal and Marcello Abbrescia	Archana + Sharma	31-JAN-2005
0.2	Initial draft provided by Archana Sharma is edited to add the configuration database requirements jointly for Forward (Endcap) RPC (requirements given by Archana Sharma) and for Barrel (given by Marcello Abbrescia) and on the basis of discussions with Frank Glege, Andrew Branson and Norbert Zoltan Toth.	Saima Iqbal	14-Feb-2005
0.3	Comments to v0.2 by Archana	Saima + Archana	15-Feb-2005
0.4	Comments to v0.3 by Marcello	Saima + Marcello	17-Feb-2005
0.5	Ambiguities mentioned in v0.2 resolved. Add Configuration database schema (Initial version is provided after editing discussion based on requirements among Norbert, Andrew, Saima and Marcello) and add condition database schema requirements as provided by Marcello	Saima	06-Mar-2005
0.6	Question mentioned in V0.5 are resolves	Saima	13-Mar-2005

Summary and Conclusions



- Initial RE system "tailored" to available budget
- First priority Station 1 since mated behind ME1
- Mass production gas gaps Korea full steam
- Assembly RE 1 ramped up @ ISR lab and has reached 5-6 chambers per week chamber electronics boards; manpower ready
- The first final RE 1/2 RPC has been mated to ME 1/2
 - The mechanical mating was flawless
 - The chamber performance meets CMS requirements

RE 1 assembly in full swing expect to meet the CMS master schedule for its installation and commissioning

RE 2 assembly starting up

CMS/