

# CMS T1 risk analysis

[ brief summary for the WLCG T1 Service Coordination meeting – 25 Feb 2010 ]

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# Outline

## Status as of data taking 2009:

- ◆ Already experienced a state with one T1 not-used for custiodality
- ◆ Already experienced data loss at a T1, several major outages (of different kind)

## Goals of a **T1 risk analysis**

- ◆ Identify shortcomings in operations in case of one (or more) Tier-1 downtime
- ◆ Layout rough operational plans according to different scenarios
- ◆ Document the action plans we will agree on
- ◆ Communicate, test and enforce them

## Method

- ◆ Collect feedback from CMS-internal (Ops teams) brainstorming sessions (**DONE** - week-3 Jan'10)
- ◆ Merge and rationalize, discuss at the mgt level (**DONE** - week-3/4 Jan'10)
- ◆ Discuss and agree on some scenarios, we ended up with 4 (**DONE** - Computing mgt, Jan 26)
- ◆ Work separately on each scenario (**DONE** - week-1/2 Feb'10)
- ◆ Present the draft for the 4 work-sheets at a Computing mgt face-2-face, call for feedback (**IN PROGRESS** - Feb'10 week-3/4)
- ◆ Collect comments, freeze the work-sheets, publish to WLCG and T1 sites, schedule the updates (**NEXT STEP** - plan is to be ready before data taking resumes)

# The 4 scenarios

## Reference twiki:

- ◆ <https://twiki.cern.ch/twiki/bin/viewauth/CMS/T1RiskAssessment>

- NOTE: it's not open to everyone, yet - we will broadcast to WLCG and T1's once ready

## We agreed to work on:

- ◆ SCENARIO 1: Data loss at a T1
- ◆ SCENARIO 2: Partial loss of a T1
- ◆ SCENARIO 3: Procurement failure at a T1
- ◆ SCENARIO 4: Extended T1 outage