

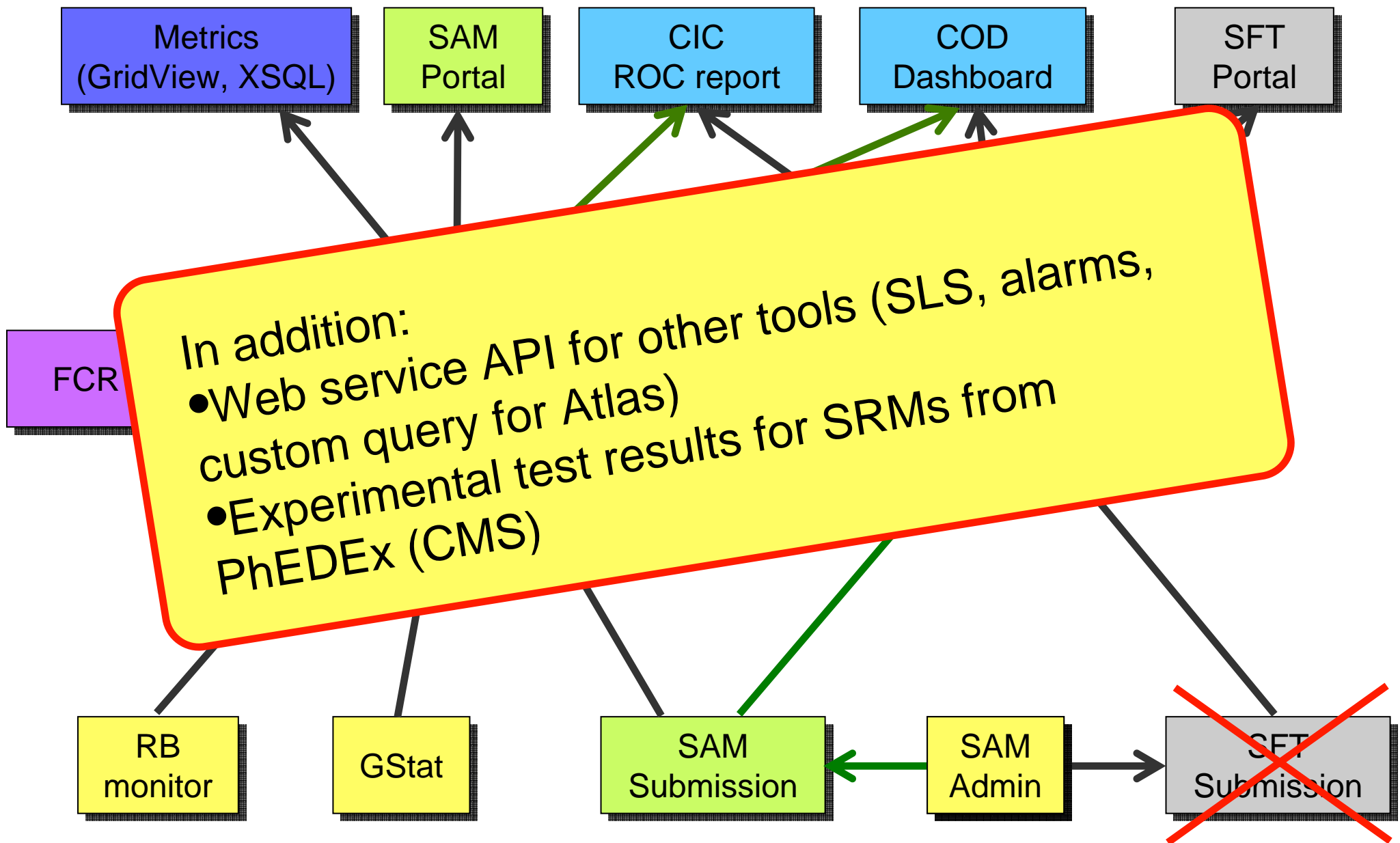
# SAM Tests Status



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LCG Management Board  
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- Deployment status
- Sensors status
- Existing tests
- VO specific tests
- Availability metrics
- Open issues



Service	Responsible	Status
SRM	P. Nyczyk	Done
LFC	J. Casey	Done
FTS	P.Nyczyk	Done (static list of files for transfer tests)
CE	P. Nyczyk	Done
RB	D. Kant	Done
RB-pasv	S. Andreozzi	No news
gLite WMS	?	Certification tests migrated to SAM in CTB
Top-level BDII	M. Tsai	Done
Site BDII	M. Tsai	Done
MyProxy	M. Litmaath	To be done (simple tests)
VOMS	V. Venturi	Sensor written, to be integrated
R-GMA	?	Script written, sensor has to be created
Tier-1 DB	?	Suggested by Dirk Duellmann, to be done

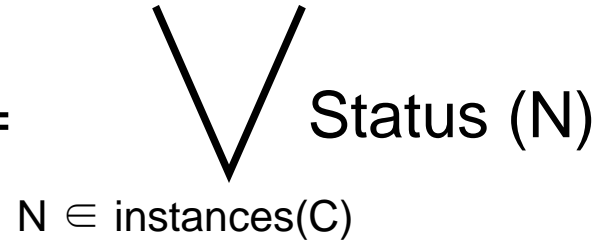
- LHCb
  - already submits jobs, but using old SFT framework (only CEs, need to migrate to SAM)
  - VO specific tests (Dirac installation)
- Atlas
  - jobs for all sensors submitted from SAM UI with Atlas credentials
  - standard set of tests
- CMS
  - account on SAM UI created, sample jobs sent, no regular submission yet
  - VO is using OPS results in FCR
- Alice - no information

Status of node N =



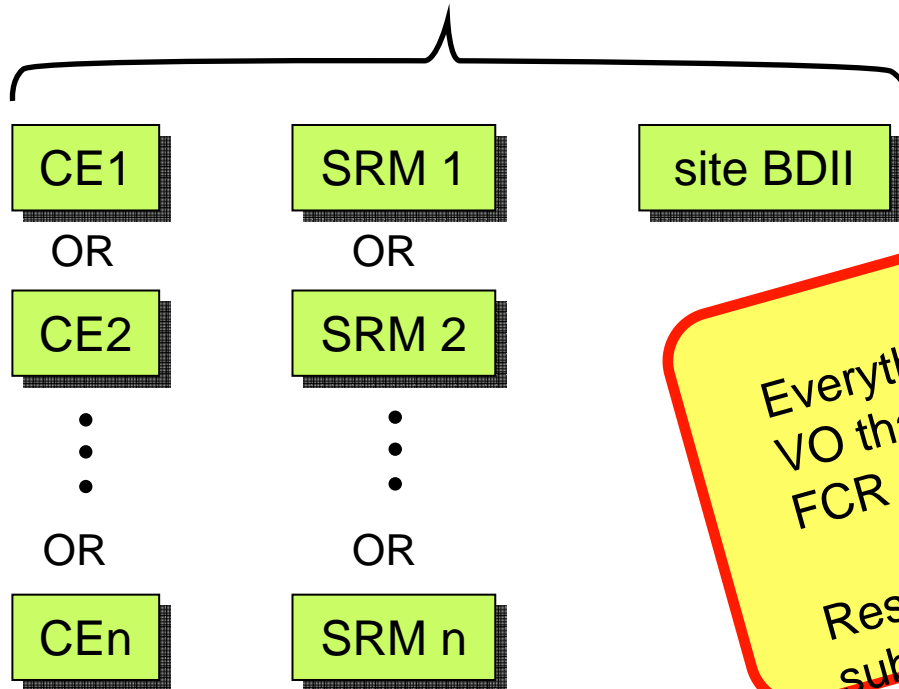
$\wedge$  = boolean AND  
 $\vee$  = boolean OR

Status of central service C =



Status of site S =

AND



Everything is calculated for each VO that defined critical tests in FCR  
 Results make sense only if VO submits tests!!!

- Service and site status values are recorder every hour (24 snapshots per day)
- Daily, weekly, monthly availability is calculated using integration (averaging) over the given period
- Scheduled downtime information from GOC DB is also recorder and integrated for comparisons
- Details of the algorithm on GOC:  
[http://goc.grid.sinica.edu.tw/gocwiki/SAM\\_Metrics\\_calculation](http://goc.grid.sinica.edu.tw/gocwiki/SAM_Metrics_calculation)

- All sensors have to be reviewed and fixed:
  - check if tests reflect real usage (experiments)
  - avoid dependencies on central services and third party services if possible
  - increase reliability of results (resistant to any other failures not related to site configuration)
  - increase tests verbosity (make easier to find real problem - site debugging))
- Missing sensor/tests have to be written
- All tests should be well documented (TestDef inline doc + Wiki)
- Jobwrapper tests should be put in production (simple display or data export needed)
- Availability metric should be reviewed - *is the current one the way to go?*