

Title:Glossary

ã€€	Glossary	Description
A	AAA	Authentication Authorization Accounting
ACL	Access Control List	
AFC	Administrative Federation Committee	
AFM	Administrative Federation Meeting	
AGM	Architecture Group Member	
ALICE	LHC physic experiment	
AliEn	Grid for Alice experiment	
AM	Activity Manager	
APEL	EGEE/LCG Accounting Application	
API	Application Programming Interface	
ARDA	A Realisation of Distributed Analysis for LHC.In response to the recommendations	
ApGrid	ApGrid is a partnership for Grid computing in the Asia Pacific region. ApGrid is an	
ATF	Architecture Task Force (replaced by PTF)	
ATLAS	LHC physic experiment	
ARCH	Architecture Area.The Architecture Area hosts working and research groups that aim	
Alliance	A collaboration of small application communities that develops systems and runs on t	
AWG	Application Working Group	
B	BaBar	B and B-bar experiment
BAR	Bandwidth Allocation and Reservation	
BCU	Biocomputing Unit	
BDII	Berkeley Database Information Index	
BI	Bio Informatics	
BioMed	Bio Medical VO	
BMI	Bio Medical Informatics	
BioGrid	Biogrid is conducting a trial for the introduction of the GRID approach in the biotec	
BLAST	Basic Local Alignment SearchTool [3] is a widely used search algorithm that is us	
BoilerMaker	The BoilerMaker system developed at Argonne National Laboratory allows multip	
C	CA	Certification Authority
CA	Consortium Agreement	
CB	Collaboration Board	
CC	Cost Claims	
CDF	Collider Detector Experiment at Fermilab	
CE	Compute Element	
CERN	CERN is the European Organization for Nuclear Research, the world's largest pa	
CHEP	Computing in High Energy Physics	
CIC	Core Infrastructure Centrer	
CIS	Core Infrastructure Services	
CM	Cluster Manager	
CMMi	Capability Maturity Model Integration	
CMS	LHC physic experiment	

COD	CIC-on-duty
Compass	Physics experiment at CERN
CRL	Certificat Revocation List
CT	Certification and Testing Team
CVS	Concurrent Versions System
CyGRID	Cyprus Grid
CIC	Core Infrastructure Centres.CIC have two fundamental roles: to operate essential
Cluster Computing	Back in the last century,scientist put some PCs together and got them to commun
Consumer Grids	In a Consumer Grid, resources are shared on a commercial basis, rather than on
Condor	Condor is a Project to develop, implement, deploy, and evaluate mechanisms and
D	DataGrid DataGrid is a project funded by European Union. The objectiv
DataTAG	The objective of DATATAG is to implement a network infrastructure for a truly hig
D-CH	German-Swiss Federation
D0	DØ Experiment
DAGS	Directed Acyclic GraphS (work-flow software from CONDOR project)
DAIS	Data Access and Integration Services
DCS	Dynamic connectivity Service
DEISA	Distributed European Infrastructure for Supercomputing Aplications
diffserv	differentiated services
DN	Distinguished Name
DoS	Denial of Service
DPM	Disk Pool Manager
Dteam	Deployment team
Digital Archives	To migrate an application for heterogeneous metadata management into a Grid s
DOREGrid	DORE(DOCUMENT REtrieval) is a middleware,library and tool,for programmers to de
	try to constrcut a appropriate framework to perform it. We have achieved integrating
	existing DORE application and we still work on building new framework.
Distributed Computing	Whenever there is a problem due to lack of computing power (a complicated calcul
DRM	Disk Resource Manager (DRM) is what we typically call an SRM implementation o
E	e-IRGSP e-Infrastructure Reflection Group Support Project
EAC	External Advisory Committee
EC	European Commission
EDG	European DataGrid
EDMS	Engineering Data Management Service (Cern Document Management tool)
EELA	Extending EGEE to Latin America
EGAAP	EGEE Generic Application Advisory Panel
EGEE	Enabling Grid for E-sciencE.The aim of EGEE project is to build on rechnet advanc
EGO	European Grid Organisation
eIRG	e-Infrastructure Reflection group
EIS	Experiment Integration Structure
EL	Enterprise Linux
EMBnet	European Molecular Biology network
EMT	Engineering Management Team

ENOC	EGEE Network Operation Centre
EO	Earth observation
ERA	European Research Area
ESC	EGEE Support Committee
ESR	Earth Science research
ESUS	Experiment Specific User Support
ETICS	eInfrastructure for Testing, Integration and Configuration of Software
EU	European Union
EUGridPMA	European Grid Authentication policy management authority for e-science
EuroGrid	The EUROGRID project is a shared cost Research and Technology Development

F	FAFNER	Factoring via Network-Enabled Recursion, which was a project
FAQ	Frequently asked questions	
FCR	Freedom of Choice tool	
FR	Federation representative	
FR	French federation	
FTE	Full Time Equivalent	
FTS	File Transfer System	
Fabric	With respect to grid computing, "fabric" refers to a "layer" of grid components (unc	
FZK	Karlsruhe	
G	Grid computing	Connecting storage and data as well as CPUs from multiple sy
GRID	Whereas the Web is a service for sharing information over the Internet, the Grid is	
gLite	gLite (pronounced "gee-lite") is the next generation middleware for grid computing	
Globus Toolkit	The open source Globus Toolkit is a fundamental enabling technology for the "Grid"	
GRAM	Globus Resource Allocation Manager, which figures out how to convert a request	
GSI	Grid Security Infrastructure, which provides authentication of the user and works out t	
GRIS	Grid Resource Information Service, to query resources for their current configuration,	
GIIS	Grid Index Information Service, which coordinates arbitrary GRIS services.	
GridFTP	GridFTP provides a high-performance, secure and robust data transfer mechanism.	
Goodwill Grids	Goodwill Grids are for anyone owning a computer at home who wants to donate some	
GridPP	GridPP is a collaboration of particle physicists and computer scientists from the U	
GGF	The Global Grid Forum (GGF) is a community-initiated forum of thousands of indi	
GridPort	Grid Portal Toolkit (GridPort) is a collection of technologies designed to aid in the	
GOC	Grid Operations Center. It functions as a central repository for configuration inform	

H	HEP	High Energy Physics
HepCAL	HEP Application Grid requirements	
I	I3	Integrated Infrastructure Initiative
IA64	Instruction Architecture-64	
IAG	Israeli Academy Grid	
IEEE	Institute of Electrical and Electronics Engineers (standardisation)	
IF	Industry Forum	

ISO 9001	International Organization for Standardization: Quality assurance normalization
IST	Information Society Technologies
IT	Italian Federation
ITIL	Information Technology Infrastructure Library
J	JDL Job Description Language
JRA	Joint Research Activity
JRA1	EGEE Middleware Re-engineering and Integration activity
JRA2	EGEE Quality Assurance activity
JRA3	EGEE Security activity
JRA4	EGEE Network Services development activity
JSPG	Joint security policy group
K	KA Karlsruhe
KCA	Kerberized Certificate Authority
L	L&B Logging and Bookkeeping software
LAN	Local Area Network
LCG-0/1/2	LHC Computing Grid Middleware 0/1/2
LCG	LHC Computing Grid
LDAP	Lightweight Directory Access Protocol
LFC	LCG File Catalog
LFN	Logical File Name
LHC	The Large Hadron Collider (LHC), currently being built at CERN near Geneva, is t
LHcb	LHC physic experiment
LCG	The mission of the LHC Computing Project (LCG) is to build and maintain a data
LRC	LCG Resource Catalog
Legion	Legion was a project started at the University of Virginia in 1993, which took a rat
M	mpiBLAST mpiBLAST is a freely available open source parallelization of l
MDS	Monitoring and Discovery Service, in order to collect information about resource.S
MoU	Memorandum of Understanding
MPI	Message Passing Interface software
MSS	Mass Storage System
MW	Middleware
MyProxy	MyProxy service: This service provides a credential repository so that users can be a
Middleware	Key to success of Grid computing is the development of the 'middleware', the soft
Metadata	A key ingredient for the middleware is metadata. This is essentially "data about da
Metacomputing	Metacomputing was a name coined for a particular type of distributed computing, ve
N	NA Networking Activity
NA1	EGEE Project Management activity
NA2	EGEE Dissemination and Outreach activity
NA3	EGEE User Training and Induction
NA4	EGEE application identification and support activity
NA5	EGEE International Cooperation activity
NE	Northern Europe Federation
NEG	Northern European Grid
NGIS	National Grid Initiatives

NMI	NSF Middleware Initiative (National Science Foundation)	
NOC	Network Operation Center	
NPM	Network Performance Monitoring	
NREN	National Research and Education Network	
NICE	The NICE system developed at the University of Illinois at Chicago allows children	
National Grids	The idea behind National Grids is to couple high-end resources across a nation. T	
Nimrod	Nimrod is a tool that manages the execution of parametric studies across distribu	
O	OAG	Operation Advisory Group
OCC	Operations Coordination Centre	
OGSA	Open Grid Services Architecture	
OGSI	Open Grid Services Infrastructure. OGSI refers to the base infrastructure on which	
OMC	Operation Management Center	
OMII	Open Middleware Infrastructure Institute	
Oracle	Data base management system	
OSCT	Operational Security Coordination Team	
OSI	Open Science Grid	
OGSA-DAI	Open Grid Service Architecture Data Access and Integraton. The OGSA-DAI proje	
OSG	The OSG federate many of the currently disjoint grid resources at U.S. labs and u	
Openlab	The CERN Openlab is a collaboration between CERN and industrial partners to d	

P	PBS	Product breakdown structure
PD	Project Director	
PDG	Protein Design Group	
PEB	Project Execution Board	
PIC	Policy and International Cooperation	
PKI	Public Key Infrastructure	
PM	x Person Month / Project Month x	
PMA	Policy Management Authority	
PMB	Project Management Board	
PO	Project Office	
POOL	HEP software	
PPS	Pre-Production Service	
PPT	Project Progress Tracking tool	
PR	EU Periodic Reports	
PR	Public Relations	
PROOF	HEP software	
PS	Production Service Environment	
PTD	Project Technical Director	
PTF	Project Technical Forum	
PRAGMA	Pacific Rim Applications	
	and Grid Middleware Assembly. PRAGMA has been founded as an open organization in which Pacific	
Peer to Peer Comput	By downloading a piece of software onto your hard drive, you could connect to a n	
Private Grids	Private Grids (sometimes called local-Grids or intra-Grids) can be useful in many	
Project Grids	Project Grids will likely be created to meet the needs of a variety of multi-institution	

Q	QA	Quality Assurance
QAG	Quality Assurance Group	
QAM	Quality Assurance Management	
QAR	Quality Assurance Representative	
QI	Quality Indicator	
QoS	Quality Of Services	
QR	EU Quarterly Report	
QUATTOR	Optimisation Toolkit for Optimising Resources	
R	R-GMA	Relational-Grid Monitoring Architecture
RAID	Redundant array of inexpensive disks	
RB	Resource Broker	
RBAC	Rules Based Access Control	
RC	Resource Center	
RDIG	Russian Data Intensive Grid	
Remedy	Problem tracking software for helpdesks	
RH	Red Hat	
RLS	Replica Location Service	
RM	Release Manager	
ROC	Regional Operations Centres. ROCs are the heart of the operational support for the	
RoGRID	Romanian GRID	
RPM	RPM package Manager	
RSS	Really Simple Syndication	
RTAG	Requirements Technical Assessment Group	
RU	Russian federation	
Replica Catalog	Replica Catalog, a catalog that allows other Globus tools to look up where on the	
Replica Management System	Replica Management system, which ties together the Replica Catalog and GridFTP	
S	SA	Specific Service Activity
SA1	EGEE European Grid Support, Operation and Management activity	
SA2	EGEE Network Resource Provision activity	
SA3	Integration & Testing activity within EGEE II	
SCG	Security Coordination Group	
SCM	Software Configuration Management	
SE	Storage Element	
SEAL	HEP software	
SEE	South East Europe	
SEEGRID	South East Grid e-Infrastructure Development	
SEEREN	South East European Research Networking	
SFT	Site Functional Test	
SGM	Security Group Member	
SIMBA	Cern Mailing list management tool	
SIPS	Site Integrated Proxy Services	
SL	Scientific Linux	
SLA	Service Level Agreement	
SLOC	Software Lines Of Code (number of)	

SLR	Service Level Request	
SLS	Service Level Specification	
SM	Software manager	
SOA	Service Oriented Architecture	
SPI	Cern Software Process Infrastructure	
SRB	The Storage Resource Broker is a client-server based middleware implemented a	
SRM	Scheduling and Resource Management. Generate best practice scheduling and res	
SSA	Special Support Action	
SU	Support unit	
SURL	Storage Uniform Resource Location	
SuSE	Linux distribution	
SW	Software	
SW	South West Europe Federation	
SweGrid	Swedish national Grid resource for science and research	
SETI@home	SETI@home ("SETI at home") is a distributed computing project for Internet-con	
T	TA	Technical Annex
TAB	Technical Advisory Board	
TCG	Technical Coordination Group	
TD	Technical Director	
TNLC	Technical Network Liaison Committee	
TPM	Ticket Process Management	
TT	Trouble Ticket	
TeraGrid	TeraGrid is a effort to build and deploy the world's largest, most comprehensive, c	
U	UF	Users Forum
UIG	User Information Group	
UK-I	UK-Ireland federation	
UML	Unified Modelling Language	
UoW	University of Wisconsin/Madison	
US	United States of America	

V	VV	Verification and Validation activity
VDT	Virtual Data Toolkit	
VO	Current grid development projects are being designed such that they require end	
VOMS	VO Management Service	
W	WAN	Wide Area Network
WBS	Work breakdown structure	
WCIT	World Congress on Information Technology	
WLM	WorkLoad Management software	
WMS	Workload Management System	
WN	Worker Node	
WS	Web Server	
WSRF	Web Services Resource Framework	
X	XML	eXtensible Markup Language
Y	YAIM	Yet Another Installation Method

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