



LHC Computing Grid Project

LCG Milestones

Process & Status

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Milestone status

- **Baseline established in June 2003**
- **First “Experiment Verification Milestones” defined**
- **The history is kept – changes are recorded**
- **New milestones will be defined mainly for EGEE and ARDA**
- **Detailed list and record in quarterly reports**
- **Numbers given for status on 15 September 2003**



LCG Milestones - Levels

- **LHCC approves and monitors Level-1**
- **SC2 approves and monitors Level-1&2**

	Level 1	Level 2
Applications	2	76
Fabrics		58
Grid Technology	6	17
Grid Deployment		29



Level-1 Milestones

WBS.	Lv	Name	Date_MS	MS_Done
1.4.1	1	M1.1 First Global Service Initial Availability	01 Jul '03	15 Sep '03
1.1.2	1	M1.2 General release of POOL hybrid data store	15 Jun '03	30 Jun '03
1.1.4	1	M1.3 Distributed production environment using Grid services	01 Nov '03	suspended
1.4.2	1	M1.4 Full Operational LCG-1 Service	03 Nov '03	
1.1.4	1	M1.5 Distributed end-user interactive analysis from a Tier-3	09 Jul '04	suspended
1.4.3	1	M1.6 Fully Operational LCG-3 Service	28 Jan '05	
1.1.2	1	M1.7 Full function release of persistency framework	01 Mar '05	
1.3.5.4	1	M1.8 LCG TDR Completed	01 Jun '05	

M 1.3 & M 1.5 suspended waiting for a workplan following the ARDA RTAG



Level-2 Milestones - Applications

WBS		Number MS + V	MS done
1.1.1	Software Process and Infrastructure (SPI)	10	8
1.1.2	Physics Data Management	22+8	15
1.1.3	Core Libraries & Services (SEAL)	12+2	9
1.1.4	Physicist Interface (PI)	6+1	5
1.1.5	Simulation	14+1	7



Level-2 Milestones - Fabrics

WBS		Number MS + V	MS done
1.2.1	Repositories and Managed Storage	10+4	0
1.2.2	Fabric Management	11	2
1.2.3	Computer Centre Upgrade	14	3
1.2.4	Batch Computing	5	0
1.2.5	Installation Schedule (short term)	3	0
1.2.6	Phase 2 Acquisition Process	11	0



Level-2 Milestones – Grid Technology

WBS		Number MS + V	MS done
1.3.1	Technology Review	2	0
1.3.2	System Modelling	1	1
1.3.3	LCG Technology Evolution	2+1	2
1.3.4	LCG – EGEE Coordination	7	1
1.3.5	TDR Planning	3+1	0



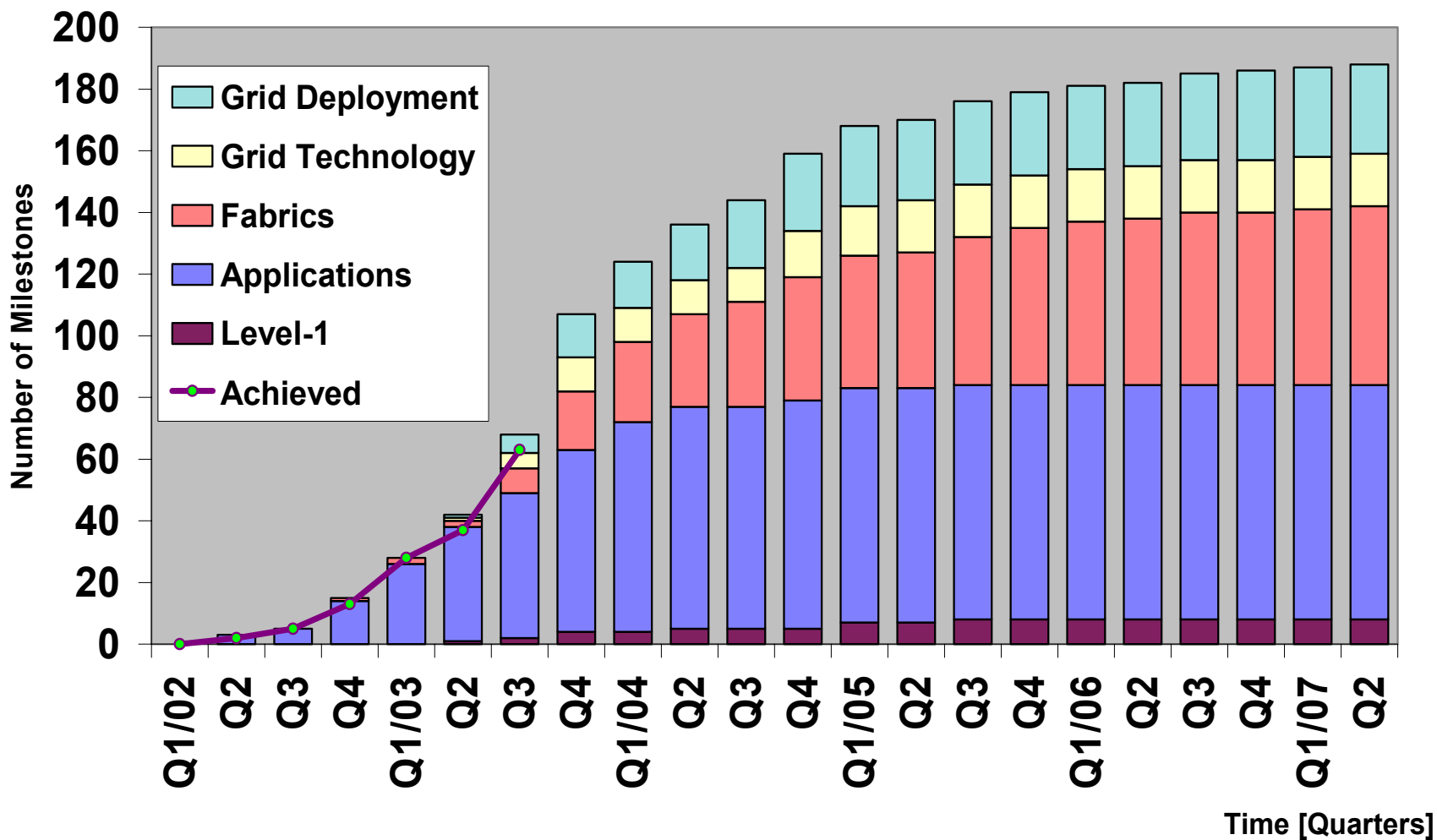
Level-2 Milestones – Grid Deployment

WBS		Number MS + V	MS done
1.4.1	First Global Service Initial Availability	5+10	5
1.4.2	Full Operational LCG-1 Service	8	1
1.4.3	Full Operational LCG-3 Service	3+2	0
1.4.4	Completion of Computing Service TDR	1	0



Cumulative chart

Chart 1: Number of LCG Level 1&2 Milestones (cumulative)



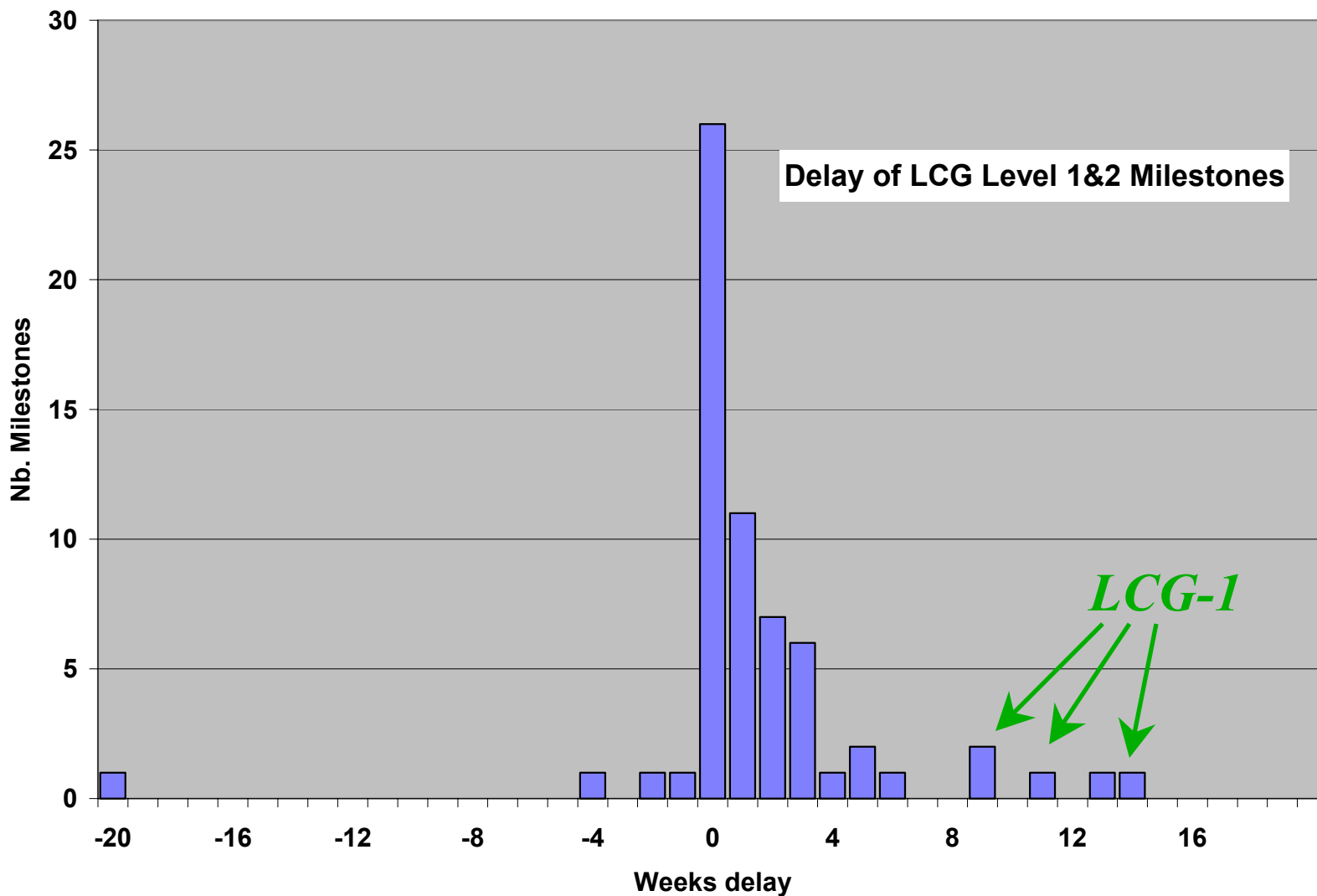


15-09-2003: 6 Milestones still open

WBS	ID_Unique	Name	Date due
1.1.1	1.17	SPI support for Windows binary version of LCG software	15-08-2003
1.1.3	1.184	Math library workplan in place	31-07-2003
1.1.3	1.187	SEAL support for Windows binaries	15-09-2003
1.1.4	1.171	AIDA interface review (users) completed	15-09-2003
1.2.4.2.1	2.562	10 LXBATC nodes integrated in LCG-1 (isolated from main LXBATC)	01-08-2003
1.3.4.2	3.502	Technical design team established	01-09-2003



Milestone Delay





More Information

- **Quarterly reports & MS-Project file:**

<http://lcg.web.cern.ch/LCG/PEB/Planning/default.htm>