Previous month <u>PT1.1</u> - <u>Mgt/SE</u>

Current month <u>PT1.1</u>

Next month <u>PT1.1</u> - <u>Mgt/SE</u>

Guide on Reporting Percentage Completed:

For software development tasks:

- use 0% if the solution is still being designed;
- use 25% if the solution's design is completed;
- use 50% if the solution is implemented and tested within the Ticket branch;
- use 75% if the implementation review is complete, the Ticket branch has been merged onto the Trunk branch, and the Ticket is closed.
- use 100% if the affected Trunk packages are tagged and released.

For level of effort tasks, use % of effort expended rounded to nearest 5%:

For other tasks, still use these increments, but apply their meaning as best as possible:

- use 0% if the deliverable is still being designed;
- use 25% if the deliverable's design is completed;
- use 50% if the deliverable is implemented awaiting review/approval;
- use 75% if the deliverable has been reviewed and in revision;
- use 100% if the deliverable is approved and posted to appropriate repository.

Note: Please place an asterisk (*****) after the percent if you updated this value in this report.

Task	Start	Finish	Resources (lead first)	% Complete	Comments
Update DM MREFC Cost Estimates			*Kantor Jeff*		
Update UML-based Application, Middleware Estimates	11/12/10	11/19/10	Kantor Jeff	25%	Application status sh Release Production,
Update Application, Middleware Cost Estimate and BOE	11/19/10	11/24/10	Kantor Jeff	0%	
SC10 Conference	11/13/10	11/19/10	Kantor Jeff,Freemon Mike, Wang Daniel	100%	
Update Infrastructure Cost Estimate and BOE	12/28/10	1/4/11	Freemon Mike[15%]	0%	Pending resolution o reducing columns an
Publish Estimates via Primavera Web Export	1/4/11	1/5/11	Kantor Jeff[50%]	0%	
Update MREFC Proposal	12/16/10	1/26/11	Kantor Jeff[80%],Axelrod Tim[80%],Van Dyk Schuyler[80%],Plante Ray[80%],Freemon	25%	Updated existing DM remaining updates ar

			Mike[80%],Dubois-Felsmann Gregory[80%],Allsman Robyn[80%],Becla Jacek[80%],Lim KT[80%]		
Update PMCS II Final Design, Construction, Commissioning Plans			*Kantor Jeff*		*The LSST Level 1 Mi anticipated start of N updated list of DOE The three subsystem date of January 3, 20*
Update FDP projects	10/22/10	11/4/10	Kantor Jeff[5%],Claver Chuck[5%],Jacoby Suzanne[5%],Krabbendam Victor[5%],Kurita Nadine[5%]	100%	No major updates ne meetings at SLAC to
Update T&S MREFC Project	10/22/10	12/16/10	Krabbendam Victor[20%]	15%	Reviewed current pl
Update DM MREFC Project	10/22/10	12/16/10	Kantor Jeff[20%]	0%	
Update Camera MREFC Project	9/30/10	12/2/10	Kurita Nadine[20%]	25%	WBS already exists sandbox.
Update PMO, EPO MREFC Projects	10/22/10	10/28/10	Kantor Jeff[10%],Krabbendam Victor[10%],Jacoby Suzanne[20%]	50%	SJ reports on track. V
Update Commissioning MREFC Project	10/22/10	10/28/10	Sweeney Don[10%],Kantor Jeff[10%], Krabbendam Victor[10%],Claver Chuck[20%]	0%	
Publish plans via Primavera Web Export	10/22/10	10/22/10	Kantor Jeff[50%]	0%	
Database and Data Access Analyses			*Becla Jacek*		
XLDB 2010	10/6/10	10/25/10	Becla Jacek,Lim KT	75%	Need to write report
Improve trac db documentation for PDR	9/2/09	11/2/10	Becla Jacek[10%]	60%	
Research new db technologies - LOE	5/1/08	11/12/10	Becla Jacek[2%],Lim KT[2%],Hanushevsky Andy[2%]	95%	Have very interesting publish it. Also work
Interact with sciCollab chairs, refresh list of common queries	12/10/08	10/28/10	Becla Jacek[10%]	90%	
Scalability tests phase II (up to 100 nodes)	9/1/10	12/15/10	Wang Daniel	30%	Tests on 40 nodes co implementing and in admin tools, getting
SSD Database Tests	8/2/10	11/1/10	Becla Jacek	95%	Tests completed, wro later this week. Test
Update data storage and i/o sizing estimates	9/20/10	11/11/10	Becla Jacek[70%],Lim KT[30%]	20%	Added ForcedSource compression. Tested faintSourceCompres
Write design document for PDR	11/12/10	12/9/10	Becla Jacek[5%],Lim KT[5%],Hanushevsky Andy[20%]	0%	
MOPS Analyses			*Axelrod Tim*		

Complete analysis of runs of FindTracklets/LinkTracklets? and OrbFit? driven by simulated DIASources	10/10/08	11/24/10	Axelrod Tim[20%],Myers Jonathan[75%]	40%	?http://www.lsstcorp
Estimate amount of CPU required for LSST MOPS	11/8/10	12/6/10	Axelrod Tim[20%],Myers Jonathan[75%]	60%	
Prototype key algorithms in MOPS design	12/6/10	1/17/11	Axelrod Tim[20%],Myers Jonathan[75%]	0%	
Determine requirements for FutureMOPS that will satisfy solar system science requirements as sketched out in SRD	1/17/11	1/31/11	Axelrod Tim[20%],Myers Jonathan[75%]	0%	
Plan R&D program for FutureMOPS	1/31/11	2/7/11	Axelrod Tim[20%],Myers Jonathan[75%]	0%	
Complete DM content in OSS			*Dubois-Felsmann Gregory*		Virtually all requirer quality requirements
Extract quantitative requirements text from	8/16/10	10/26/10	Dubois-Felsmann Gregory[5%]	90%*	Complete except for

Task	Start	End	Assigned	%	Notes
Sizing Model and Data Quality Requirements Document and Scorecard					
Update star and galaxy counts	9/8/10	11/2/10	Dubois-Felsmann Gregory[5%]	50%	Feedback from ZI di... for the values I'll put...
Extract values for Data Quality Requirements	10/20/10	11/3/10	Dubois-Felsmann Gregory[5%]	25%	Done as far as any a... document, most valu...
Capture network requirements in SysML model	11/3/10	11/4/10	Dubois-Felsmann Gregory[5%]	0%	
Capture cyber-security requirements in SysML model	11/4/10	12/2/10	Dubois-Felsmann Gregory[5%]	0%	
Support establishment of traceability between LSR and OSS	9/1/10	12/24/10	Dubois-Felsmann Gregory[15%]	25%*	Further trace relation...
Establish bounding requirements in SysML for MOPS	12/6/10	12/20/10	Dubois-Felsmann Gregory[5%]	0%	
Revise DM-FRS			*Dubois-Felsmann Gregory*		
Restate existing quantitative requirements as constraint blocks	11/1/10	12/27/10	Dubois-Felsmann Gregory[50%]	50%	
Enter requirements and constraint blocks into SysML	9/21/10	12/31/10	Dubois-Felsmann Gregory[50%]	50%	
Establish traceability of FRS to OSS (or elsewhere)	9/23/10	1/6/11	Dubois-Felsmann Gregory[50%]	20%	Isolated improvemen...
Review traceability with Tim and Chuck, clean up	1/7/11	1/11/11	Dubois-Felsmann Gregory[50%],Axelrod Tim[50%]	0%	
Update Structure Model			*Dubois-Felsmann Gregory*		
Revise Structure Model to match SysArch? SysML standards	9/30/10	1/12/11	Dubois-Felsmann Gregory[50%]	25%	
Update Structure Model to match revised WBS	11/9/10	1/12/11	Dubois-Felsmann Gregory[50%]	50%	
Update Structure Model - FRS traceability	1/12/11	1/14/11	Dubois-Felsmann Gregory[50%]	0%	
Prepare ICDs			*Dubois-Felsmann Gregory*		
Create DM internal ICD N2 diagram	10/22/10	10/22/10	Dubois-Felsmann Gregory[50%]	50%*	Created, reviewed w...
DM-SDS	10/4/10	10/29/10	Dubois-Felsmann Gregory[50%],Marshall Stuart[50%]	75%	DM-SDS session he...
ADASS 2010 Conference	11/7/10	11/11/10	Dubois-Felsmann Gregory,Becla Jacek,Pierfederici Francesco	0%	

Task	Start	End	Assigned	%	Notes
DM-EPO	10/31/10	11/19/10	Jacoby Suzanne[50%],Dubois-Felsmann Gregory[20%]	75%	DM-EPO session he... EPO group in unders... initiated
DM-CCS	11/22/10	12/17/10	Dubois-Felsmann Gregory[25%],Marshall Stuart[25%]	60%	
SLAC December 2010 Holiday Shutdown/Vacation?	12/20/10	12/31/10	Dubois-Felsmann Gregory,Becla Jacek,Lim KT,Wang Daniel	0%	
DM-OCS	12/20/10	1/12/11	*Dubois-Felsmann Gregory[50%],Schumacher German[50%]*	25%	
DM-sites	1/3/11	1/19/11	*Dubois-Felsmann Gregory[50%],Lambert Ron[50%],Barr Jeff[50%]*	50%	
DM-TCS	1/17/11	1/24/11	*Sebag Jacques[50%],Dubois-Felsmann Gregory[50%]*	30%	
Update App and MW Reference Design for DC3a, DC3b PT1, PT1.1			*Allsman Robyn*	20%	*Revised DMS Refere... Timing/Sequence? D... loaded into LSST_Sy...*
Update reference design from DC3a and DC3b/PT1 model	9/30/10	10/28/10	Lim KT[10%],Axelrod Tim[10%],Plante Ray[10%],Allsman Robyn[25%],Dubois-Felsmann Gregory[10%]	100%	Revised DMS Refere...
Develop Performance Budgets, Timing/Sequence? Diagrams for Alert and Data Release steady state	10/14/10	11/9/10	Dubois-Felsmann Gregory[50%],Lim KT[50%]	40%	
Update reference design - structure model traceability	11/9/10	11/12/10	Dubois-Felsmann Gregory[50%],Kantor Jeff[25%],Allsman Robyn[50%],Lim KT[25%],Plante Ray[25%]	0%	
Compare DM app framework and middleware to ALMA, other projects	10/22/10	10/28/10	Plante Ray[20%],Lim KT[10%]	25%	I have done this stud... moment, I don't reca...
Update Infrastructure Reference Design			*Freemon Mike*		
Update Mountain/Base? Network Design	10/22/10	11/4/10	Lambert Ron[20%]	50%	Updated design to sh...
Update Long-Haul Network Acquisition Plans	10/22/10	11/4/10	Lambert Ron[5%],Kantor Jeff[5%]	50%	Updated to show inc...
Update Infrastructure Power, Cooling, Floor Space	11/5/10	11/16/10	Lambert Ron[10%],Freemon Mike[10%]	0%	
Infrastructure Trends and our position (e.g. SSD, GPU,	10/25/10	12/10/10	Freemon Mike[20%],Dubois-Felsmann	8%	Began organization o...

Advanced Processor Architecture, Virtual Shared Memory)			Gregory[20%],Lim KT[20%]		
Update Computing, Storage Reference Design Documentation	10/22/10	11/18/10	Freemon Mike[20%]	0%	completed update to
Enterprise Architect Customizations			*Dubois-Felsmann Gregory*		Scope of work and r by contractor.
Develop Requirements Id Tool	9/3/10	12/14/10	Bartels Jeff[50%]	50%*	SOW and requireme
Requirements and Design for Science User Interface	10/1/10	2/28/11	*Van Dyk Schuyler*	10%	req document under
Prepare for SUI workshop with Science Collaborations, Best-of-Breed UI technologists	1/11/11	1/12/11	Van Dyk Schuyler[50%],Dubois-Felsmann Gregory[25%]	20%	preparations underw
Define requirements, integrate into FRS and system requirements	1/13/11	2/9/11	Van Dyk Schuyler[50%],Dubois-Felsmann Gregory[25%]	0%	
AAS 217 Seattle SUI Workshop	1/9/11	1/10/11	Kantor Jeff[50%],Van Dyk Schuyler[50%]	50%	Workshop schedulec
Develop Apps Roadmap and Data Quality Plan			*Axelrod Tim*		
Produce a subset of these DQ metrics which have specified metrics, and to the extent possible, include threshold values that must be met to satisfy DQ requirements.	9/30/10	10/29/10	Axelrod Tim[20%]	25%	
Produce detailed list of data produced by DM system that need associated DQ metrics, the type of metric needed for each, and the type of verification that will be employed.	9/30/10	11/4/10	Axelrod Tim[20%]	50%	
Iterate the DQ metrics and thresholds with the SST, SC, Sci Collabs, yielding a PDR-final set of DQ metrics	11/4/10	11/25/10	Axelrod Tim[20%]	0%	
Develop Apps sheet of DM Roadmap	11/25/10	1/6/11	Axelrod Tim[10%]	0%	
DM Test Plans			*Allsman Robyn*		*Generated first draf*
Draft DM Unit Test documents	9/30/10	10/28/10	Allsman Robyn[25%]	50%	Updated SDP's DM responsibility during TCT/SAT/etc.
	10/14/10	11/4/10	Allsman Robyn[25%]	50%	Draft is outlined and

Draft DM Integration Test documents					
Draft DM System Test documents	11/5/10	11/9/10	Allsman Robyn[35%]	0%	
Draft DM Acceptance Test documents	11/10/10	11/23/10	Allsman Robyn[25%]	0%	
Generate Integration Test Cases from DM Ref Design Use Cases/Activities?	11/24/10	11/30/10	Allsman Robyn[50%]	20%	Generated Applicatio reformatter.
Create Performance System Test Cases from DM Subsystem Requirements Constraint Blocks	12/1/10	12/7/10	Allsman Robyn[50%]	0%	
Generate Functional Acceptance Test Cases from DM Subsystem Requirements	12/8/10	12/14/10	Allsman Robyn[50%]	0%	
Update DM Sizing Model			*Dubois-Felsmann Gregory*		Organization of new
Reorganize DM Sizing Model into single workbooks for Science, Technology Trends, Computing, Storage, Network	11/22/10	12/14/10	Kantor Jeff[10%],Freemon Mike[10%],Dubois-Felsmann Gregory[10%],Lim KT[10%]	10%	Basic structure ident
Update Science workbook and explanation document	12/14/10	12/21/10	Dubois-Felsmann Gregory[10%],Axelrod Tim[10%]	25%*	Draft of workbook b preentation.
Update Technology Trends workbook and explanation document	12/14/10	12/21/10	Freemon Mike[20%]	0%	
Consolidate and update Computing workbook and explanation document	12/21/10	12/28/10	Dubois-Felsmann Gregory[20%]	0%	
Consolidate and update Storage workbook and explanation document	12/21/10	12/28/10	Lim KT[10%],Becla Jacek[10%],Axelrod Tim[10%]	0%	
Update Network workbook and explanation document	12/21/10	12/23/10	Lambert Ron[20%]	0%	
Complete DM Inputs to Risk Management, System Integration, Commissioning, and Operations Plans			*Kantor Jeff*		
Update DM parts of LSST System Integration Test Plan	10/22/10	11/4/10	Allsman Robyn[30%],Freemon Mike[10%],Kantor Jeff[5%]	0%	
Contribute DM sections to LSST Risk Management, Commissioning, I&T, and Operations Plans	4/16/10	11/26/10	Kantor Jeff[10%],Allsman Robyn[20%],Axelrod Tim[20%],Plante Ray[20%],Freemon	77%	

			Mike[20%],Dubois-Felsmann Gregory[13%]	
Get MOUs with resource support/commitment from DM partners	10/22/10	12/16/10	Kantor Jeff[5%],Van Dyk Schuyler[5%],Freemon Mike[5%],Becla Jacek[5%],Lupton Robert[5%],Lambert Ron[5%]	0%
PDR final material preparation			*Kantor Jeff*	
Ensure all documents in docushare updated	2/7/11	2/11/11	Kantor Jeff[25%],Axelrod Tim[25%],Plante Ray[25%],Freemon Mike[25%],Dubois-Felsmann Gregory[25%],Allsman Robyn[25%],Becla Jacek[25%],Lim KT[25%]	0%
Create PDR presentations	2/11/11	2/17/11	Kantor Jeff[25%],Axelrod Tim[25%],Plante Ray[25%],Freemon Mike[25%],Dubois-Felsmann Gregory[25%],Allsman Robyn[25%],Becla Jacek[25%],Lim KT[25%]	0%
Dry Run DM Presentations	2/17/11	2/23/11	Kantor Jeff[25%],Axelrod Tim[25%],Plante Ray[25%],Freemon Mike[25%],Dubois-Felsmann Gregory[25%],Allsman Robyn[25%],Becla Jacek[25%],Lim KT[25%]	0%
Update DM Presentations for Final Version for PDR	2/23/11	3/1/11	Kantor Jeff[25%],Axelrod Tim[25%],Plante Ray[25%],Freemon Mike[25%],Dubois-Felsmann Gregory[25%],Allsman Robyn[25%],Becla Jacek[25%],Lim KT[25%]	0%
Conduct Preliminary Design Review	5/16/11	5/20/11	Kantor Jeff[80%],Axelrod Tim[80%],Van Dyk Schuyler[80%],Plante Ray[80%],Freemon Mike[80%],Dubois-Felsmann Gregory[80%],Allsman Robyn[80%],Becla Jacek[80%],Lim KT[80%]	0%

Other Activity