

Previous month PT1.1 - Mgt/SE

Current month PT1.1

Next month PT1.1 - Mgt/SE

**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
<i>Update DM MREFC Cost Estimates</i>			<i>Kantor Jeff</i>		
Update UML-based Application, Middleware Estimates	11/12/10	11/19/10	Kantor Jeff	0%	
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	0%	
Update Infrastructure Cost Estimate and BOE	12/28/10	1/4/11	Freemon Mike[15%]	0%	In-progress
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 Mike[80%], Dubois-Felsmann	3%	gpdf: reviewed and

			Gregory[80%],Allsman Robyn[80%],Becla Jacek[80%],Lim KT[80%]		
<i>Update PMCS II Final Design, Construction, Commissioning Plans</i>			<i>Kantor Jeff</i>		<i>A three-part SDQ data mining, visualization were scheduled for take on the Data request is under a Dubois-Felsmann from the Data Quality Discussions conducted in DM, focusing on for 10/25/10 to date</i>
Update FDP projects	10/22/10	11/4/10	Kantor Jeff[5%],Claver Chuck[5%],Jacoby Suzanne[5%],Krabbendam Victor[5%],Kurita Nadine[5%]	50%	No major updates meetings at SLAC
Update T&S MREFC Project	10/22/10	12/16/10	Krabbendam Victor[20%]	25%	Reviewed current changes needed.
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%]	25%	Adjusted Level 1 Need validation of
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%	
<i>Database and Data Access Analyses</i>			<i>Becla Jacek</i>		
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%	Met with Cloudera notes will be published
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	15%	Implement size-based node cluster. Load
SSD Database Tests	8/2/10	11/1/10	Becla Jacek	80%	See SSDtests, basic advantage of SSD performance of the redo the tests with
	9/20/10	11/11/10	Becla Jacek[70%],Lim KT[30%]	20%	Published I/O-based

Update data storage and i/o sizing estimates					
Write design document for PDR	11/12/10	12/9/10	Becla Jacek[5%],Lim KT[5%],Hanushevsky Andy[20%]	0%	
<i>MOPS Analyses</i>			<i>Axelrod Tim</i>		
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%]	20%	<a href="http://www.lsst.org">?http://www.lsst.org</a>
Estimate amount of CPU required for LSST MOPS	11/8/10	12/6/10	Axelrod Tim[20%],Myers Jonathan[75%]	25%	
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%	
<i>Complete DM content in OSS</i>			<i>Dubois-Felsmann Gregory</i>		
Extract quantitative requirements text from Sizing Model and Data Quality Requirements Document and Scorecard	8/16/10	10/26/10	Dubois-Felsmann Gregory[5%]	75%	Sizing requirements diagrammed, all n blocks/variables s
Update star and galaxy counts	9/8/10	11/2/10	Dubois-Felsmann Gregory[5%]	50%	Feedback from Z for the values I'll
Extract values for Data Quality Requirements	10/20/10	11/3/10	Dubois-Felsmann Gregory[5%]	25%	Done as far as an document, most v
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%]	19%	Isolated improve
Establish bounding requirements in SysML for MOPS	12/6/10	12/20/10	Dubois-Felsmann Gregory[5%]	0%	
<i>Revise DM-FRS</i>			<i>Dubois-Felsmann Gregory</i>		
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 improvement
Review traceability with Tim and Chuck, clean up	1/7/11	1/11/11	Dubois-Felsmann Gregory[50%],Axelrod Tim[50%]	0%	
<i>Update Structure Model</i>			<i>Dubois-Felsmann Gregory</i>		
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%	
<i>Prepare ICDs</i>			<i>Dubois-Felsmann Gregory</i>		
Create DM internal ICD N2 diagram	10/22/10	10/22/10	Dubois-Felsmann Gregory[50%]	0%	
DM-SDS	10/4/10	10/29/10	Dubois-Felsmann Gregory[50%],Marshall Stuart[50%]	85%*	Clarified sequence
ADASS 2010 Conference	11/7/10	11/11/10	Dubois-Felsmann Gregory,Becla Jacek,Pierfederici Francesco	0%	
DM-EPO	10/31/10	11/19/10	Jacoby Suzanne[50%],Dubois-Felsmann Gregory[20%]	75%	DM-EPO session 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%	
<i>DM-OCS</i>	12/20/10	1/12/11	<i>Dubois-Felsmann Gregory[50%],Schumacher German[50%]</i>	25%	
<i>DM-sites</i>	1/3/11	1/19/11	<i>Dubois-Felsmann Gregory[50%],Lambert Ron[50%],Barr Jeff[50%]</i>	50%	
<i>DM-TCS</i>	1/17/11	1/24/11	<i>Sebag Jacques[50%],Dubois-Felsmann Gregory[50%]</i>	30%	
<i>Update App and MW Reference Design for DC3a, DC3b PT1, PT1.1</i>			<i>Allsman Robyn</i>	5%	
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	50%	Merging UML and

			Gregory[10%]		
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 s moment, I don't r
<i>Update Infrastructure Reference Design</i>			<i>Freemon Mike</i>		
Update Mountain/Base? Network Design	10/22/10	11/4/10	Lambert Ron[20%]	50%	Updated design to
Update Long-Haul Network Acquisition Plans	10/22/10	11/4/10	Lambert Ron[5%],Kantor Jeff[5%]	50%	Updated to show
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, Advanced Processor Architecture, Virtual Shared Memory)	10/25/10	12/10/10	Freemon Mike[20%],Dubois-Felsmann Gregory[20%],Lim KT[20%]	8%	Began organizatio
Update Computing, Storage Reference Design Documentation	10/22/10	11/18/10	Freemon Mike[20%]	0%	In-progress
<i>Enterprise Architect Customizations</i>			<i>Dubois-Felsmann Gregory</i>		
Develop Requirements Id Tool	9/3/10	12/14/10	Bartels Jeff[50%]	26%*	Analyzed EA for issues. gpdf: Abo experiments with
<b>new:</b> Configuration control for SysML model	6/1/10	1/31/10	15%*	Experiments with EA baselines, CVS, differencing; writing configuration control plan	11/4/10
<i>Requirements and Design for Science User Interface</i>	10/1/10	2/28/11	<i>Van Dyk Schuyler</i>	0%	FY11 contract pe
Prepare for SUI workshop with Science Collaborations, Best-of-Breed UI	1/11/11	1/12/11	Van Dyk Schuyler[50%],Dubois-Felsmann Gregory[25%]	0%	

technologists					
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 schedu
<i>Develop Apps Roadmap and Data Quality Plan</i>			<i>Axelrod Tim</i>		
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%]	25%	
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%	
<i>DM Test Plans</i>			<i>Allsman Robyn</i>		
Draft DM Unit Test documents	9/30/10	10/28/10	Allsman Robyn[25%]	50%	Updated SDP's D responsibility dur TCT/SAT/etc.
Draft DM Integration Test documents	10/14/10	11/4/10	Allsman Robyn[25%]	50%	Draft is outlined a
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%]	0%	
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	12/8/10	12/14/10	Allsman Robyn[50%]	0%	

Requirements					
<i>Update DM Sizing Model</i>			<i>Dubois-Felsmann Gregory</i>		
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 id
Update Science workbook and explanation document	12/14/10	12/21/10	Dubois-Felsmann Gregory[10%],Axelrod Tim[10%]	0%	
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%	
<i>Complete DM Inputs to Risk Management, System Integration, Commissioning, and Operations Plans</i>			<i>Kantor Jeff</i>		
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 Mike[20%],Dubois-Felsmann Gregory[13%]	77%	
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%	
<i>PDR final material preparation</i>			<i>Kantor Jeff</i>		
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