

Previous month Apps - MW/Inf - Mgt/SE

Current month PT1.1

Next month PT1.1 - Mgt/SE

Guide on Reporting Percentage Completed:

FFor 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.

Management/System? Engineering Status Report for September 15, 2010

Task	Start	Finish	Resources (lead first)	% Complete	Comments
<i>Update DM MREFC Cost Estimates</i>	10/29/2010	11/18/2010	Kantor Jeff	0%	Monthly
Update UML-based Application, Middleware Estimates	11/5/2010	11/11/2010	Kantor Jeff	0%	
Update Application, Middleware Cost Estimate and BOE	11/12/2010	11/18/2010	Kantor Jeff	0%	
Update Infrastructure Cost Estimate and BOE	10/29/2010	11/11/2010	Freemon Mike[15%]	0%	
Publish Estimates via Primavera Web	11/12/2010	11/12/2010	Kantor Jeff[50%]	0%	

Export					
<i>Update PMCS II Final Design, Construction, Commissioning Plans</i>	10/10/2008	9/16/2010	Kantor Jeff	1%	<i>Reviewed PMCS II with Solutions. David will pr plans. Met with Erik Ga FermiLab in Data Man</i>
Update FDP projects	9/3/2010	9/16/2010	Kantor Jeff[5%],Claver Chuck[5%],Jacoby Suzanne[5%],Krabbendam Victor[5%],Kurita Nadine[5%]	0%	
Update T&S MREFC Project	10/10/2008	12/4/2008	Krabbendam Victor[20%]	0%	
Update DM MREFC Project	10/10/2008	12/4/2008	Kantor Jeff[20%]	0%	
Update Camera MREFC Project	10/10/2008	1/1/2009	Kurita Nadine[20%]	0%	
Update PMO, EPO MREFC Projects	10/10/2008	10/16/2008	Kantor Jeff[10%],Krabbendam Victor[10%],Jacoby Suzanne[20%]	0%	
Update Commissioning MREFC Project	10/10/2008	10/16/2008	Kantor Jeff[10%],Krabbendam Victor[10%],Claver Chuck[20%]	0%	
Publish plans via Primavera Web Export	10/10/2008	10/10/2008	Kantor Jeff[50%]	0%	
<i>Database and Data Access Analyses</i>	5/1/2008	11/2/2010	Becla Jacek	80%*	<i>Final preparations for b show mysql myisam is u vendor/supporter of Ha and how to take advant</i>
Improve trac db documentation for PDR	9/2/2009	9/14/2010	Becla Jacek[10%]	60%	
Research new db technologies - LOE	5/1/2008	10/26/2010	Becla Jacek[2%],Lim KT[2%],Hanushevsky Andy[2%]	95%*	Met with Cloudera, disc will be published in the
Interact with sciCollab chairs, refresh list of common queries	12/10/2008	10/27/2010	Becla Jacek[10%]	90%	
Scalability tests phase II (up to 100 nodes)	9/1/2010	11/2/2010	Wang Daniel	15%*	Arranged access to test software for large scale installing/managing the
SSD Database Tests	8/2/2010	9/17/2010	Becla Jacek	80%*	See <u>SSDtests</u> , based on SSD, we can get max ~ Next steps include remo
Update data storage and i/o sizing estimates	9/20/2010	10/1/2010	Becla Jacek[70%],Lim KT[30%]	10%	

Write design document for PDR	10/4/2010	10/29/2010	Becla Jacek[5%],Lim KT[5%],Hanushevsky Andy[20%]	0%	
<i>MOPS Analyses</i>	<i>10/10/2008</i>	<i>12/4/2008</i>	<i>Axelrod Tim</i>	<i>0%</i>	<i>Ran linkTracklets on ra (roughly 1/2 years'-worth data generated 900 million 70,000 objects were found (Orbit Determinations) p believe this number of t estimates of orbit determ yields unacceptably high hours/day). Other appro computational requiremen</i>
Test, characterize and document limitations in PS MOPS software for crowded fields, depth, etc.	10/10/2008	10/23/2008	Axelrod Tim[20%],Myers Jonathan[75%]	25%	Ran findTracklets, link analyzed results and published http://www.lsstcorp.org Closely analyzed results http://www.lsstcorp.org
Define alternative MOPS design	10/24/2008	11/6/2008	Axelrod Tim[20%],Myers Jonathan[75%]	0%	
Prototype key algorithms in MOPS design	11/7/2008	11/20/2008	Axelrod Tim[20%],Myers Jonathan[75%]	0%	
Test, characterize and document limitations in MOPS software for crowded fields, depth, etc.	11/21/2008	12/4/2008	Axelrod Tim[20%],Myers Jonathan[75%]	0%	
<i>Enterprise Architect Customizations</i>	<i>9/3/2010</i>	<i>9/30/2010</i>	<i>Kantor Jeff</i>	<i>0%</i>	<i>Cirrus Consulting contacted numbering add-in by O</i>
Develop Requirements Id Tool	9/3/2010	9/30/2010	Bartels Jeff[50%]	0%	
<i>Complete DM content in OSS</i>	<i>4/1/2010</i>	<i>9/30/2010</i>	<i>Dubois-Felsmann Gregory</i>	<i>60%</i>	<i>Scoping requirements c partially populated; re relationships with data rewritten; many diagrams non-DM content</i>
Extract quantitative requirements from Sizing Model and Data Quality Requirements Document and Scorecard	8/16/2010	9/7/2010	Dubois-Felsmann Gregory[5%]	40%*	Sizing requirements created, partially populated
Update star and galaxy counts	9/8/2010	9/21/2010	Dubois-Felsmann Gregory[5%]	25%*	Consultation with ZI in

Support establishment of traceability between LSR and OSS	9/1/2010	9/30/2010	Dubois-Felsmann Gregory[15%]	35%*	Isolated improvements
<i>Revise DM-FRS</i>	<i>9/10/2010</i>	<i>10/8/2010</i>	<i>Dubois-Felsmann Gregory</i>	<i>8%</i>	<i>Small cleanups done in</i>
Restate existing quantitative requirements as constraint blocks	9/30/2010	10/4/2010	Dubois-Felsmann Gregory[50%]	0%	
Collect performance requirements from DM scientists	9/16/2010	10/4/2010	Dubois-Felsmann Gregory[50%]	20%	
Enter requirements into SysML as constraint blocks	9/21/2010	10/6/2010	Dubois-Felsmann Gregory[50%]	20%	
Establish traceability of FRS to OSS (or elsewhere)	9/23/2010	10/5/2010	Dubois-Felsmann Gregory[50%]	10%	
Review traceability with Tim and Chuck, clean up	10/5/2010	10/8/2010	Dubois-Felsmann Gregory[50%],Axelrod Tim[50%]	0%	
<i>Update Structure Model</i>	<i>9/29/2010</i>	<i>10/11/2010</i>	<i>Dubois-Felsmann Gregory</i>	<i>21%</i>	<i>Monthly</i>
Revise Structure Model to match SysArch? SysML standards	9/30/2010	10/8/2010	Dubois-Felsmann Gregory[50%]	25%	
Update Structure Model to match revised FRS and Reference Design	10/8/2010	10/11/2010	Dubois-Felsmann Gregory[50%]	0%	
<i>Prepare ICDs</i>	<i>10/1/2010</i>	<i>11/16/2010</i>	<i>Dubois-Felsmann Gregory</i>	<i>31%</i>	<i>Monthly</i>
Create DM internal ICD N2 diagram	10/11/2010	10/12/2010	Dubois-Felsmann Gregory[50%]	0%	
<i>DM-EPO</i>	<i>10/1/2010</i>	<i>10/20/2010</i>	<i>Dubois-Felsmann Gregory</i>	<i>7%</i>	<i>DM-EPO session held a group in understanding</i>
Establish requirements	10/1/2010	10/13/2010	Jacoby Suzanne,Dubois-Felsmann Gregory[50%]	40%*	
Adapt to agreed-upon SysML model style	10/13/2010	10/14/2010	Dubois-Felsmann Gregory[50%]	20%*	
Review result with Suzanne et al. and update	10/14/2010	10/20/2010	Jacoby Suzanne,Dubois-Felsmann Gregory[50%]	0%	
<i>DM-SDS</i>	<i>10/1/2010</i>	<i>10/22/2010</i>	<i>Dubois-Felsmann Gregory</i>	<i>65%</i>	<i>DM-SDS session held a</i>
	10/1/2010	10/21/2010		85%	

Live data format and protocol			Marshall Stuart,Dubois-Felsmann Gregory[50%]		
Buffered (3-day-store) data protocol	10/8/2010	10/22/2010	Marshall Stuart,Dubois-Felsmann Gregory[50%]	25%	
Prepare draft ICD document for Huffer review	10/21/2010	10/22/2010		100%*	Prepared and reviewed
Respond to Huffer comments	10/12/2010	10/20/2010	Marshall Stuart	25%*	Substantive discussion may have been mistrans
Prepare revised draft	10/20/2010	10/20/2010		0%	
Reference design of connection to metadata	10/20/2010	10/20/2010	Lim KT	0%	
Circulate revised draft for more general review	10/20/2010	10/21/2010		0%	
<i>DM-CCS</i>	<i>10/1/2010</i>	<i>10/25/2010</i>	<i>Dubois-Felsmann Gregory</i>	<i>75%</i>	<i>Monthly</i>
Substance	10/1/2010	10/22/2010	Marshall Stuart	75%	
Documentation	10/5/2010	10/25/2010		0%	
<i>DM-sites</i>	<i>10/25/2010</i>	<i>11/3/2010</i>	<i>Dubois-Felsmann Gregory</i>	<i>0%</i>	<i>Monthly</i>
Review proposed high-level requirements with Jeff Barr and Ron Lambert	10/25/2010	10/29/2010	Barr Jeff	0%	
Revise requirements in SysML model	10/29/2010	11/1/2010		0%	
Circulate draft ICD for review	11/1/2010	11/1/2010		0%	
Respond to comments	11/1/2010	11/3/2010		0%	
<i>Network design</i>	<i>10/11/2010</i>	<i>10/15/2010</i>	<i>Dubois-Felsmann Gregory</i>	<i>0%</i>	<i>Monthly</i>
Separate network requirements and design, review with Ron Lambert	10/11/2010	10/11/2010		0%	
Capture network requirements in SysML model	10/11/2010	10/12/2010		0%	
Circulate draft ICD for review	10/12/2010	10/12/2010		0%	
Respond to comments	10/12/2010	10/14/2010		0%	
Revise network design document to	10/14/2010	10/15/2010		0%	

mesh with requirements docgen from SysML					
<i>DM-TCS</i>	<i>10/1/2010</i>	<i>11/4/2010</i>	<i>Dubois-Felsmann Gregory</i>	<i>33%</i>	<i>Monthly</i>
Products of DM	10/1/2010	11/4/2010	Sebag Jacques	40%	
Products of TCS	10/1/2010	11/4/2010	Sebag Jacques	25%	
Documentation	11/3/2010	11/4/2010		0%	
<i>DM-OCS</i>	<i>10/1/2010</i>	<i>11/16/2010</i>	<i>Dubois-Felsmann Gregory</i>	<i>23%</i>	<i>Monthly</i>
EFD/Conditions queries	10/1/2010	11/5/2010	Dubois-Felsmann Gregory[50%]	50%	
Live telemetry performance	11/5/2010	11/10/2010	Dubois-Felsmann Gregory[50%]	0%	
System configuration	10/8/2010	11/16/2010	Dubois-Felsmann Gregory[50%]	20%	
<i>Computing security</i>	<i>9/3/2010</i>	<i>9/14/2010</i>	<i>Dubois-Felsmann Gregory</i>	<i>0%</i>	<i>Monthly</i>
Separate requirements and design	9/3/2010	9/7/2010		0%	
Capture requirements in SysML model	9/8/2010	9/8/2010		0%	
Revise security document to mesh with requirements docgen from SysML	9/9/2010	9/9/2010		0%	
Circulate draft ICD for review	9/10/2010	9/10/2010		0%	
Respond to comments	9/10/2010	9/14/2010		0%	
<i>Update App and MW Reference Design for DC3a, DC3b PT1</i>	<i>9/3/2010</i>	<i>10/5/2010</i>	<i>Allsman Robyn</i>	<i>0%</i>	<i>DC3b Data Release Pro for incorporation into L</i>
Update reference design from DC3a and DC3b/PT1 model	9/3/2010	9/30/2010	Lim KT[50%],Axelrod Tim[50%],Kantor Jeff[25%],Plante Ray[50%],Allsman Robyn[50%],Dubois-Felsmann Gregory[10%]	0%	
Update reference design - structure model traceability	10/1/2010	10/1/2010	Dubois-Felsmann Gregory[10%]	0%	
Update reference design - FRS traceability	10/4/2010	10/5/2010	Dubois-Felsmann Gregory	0%	
<i>Update App and MW Reference Design for PT1 Improvements</i>	<i>9/20/2010</i>	<i>11/4/2010</i>	<i>Allsman Robyn</i>	<i>0%</i>	<i>Monthly</i>
Update design	10/15/2010	10/28/2010		0%	

			Lim KT[50%],Axelrod Tim[10%],Kantor Jeff[25%],Plante Ray[50%],Allsman Robyn[50%]		
Update traceability	10/29/2010	10/29/2010	Allsman Robyn	0%	
Compare DM app framework and middleware to ALMA, other projects	10/29/2010	11/4/2010	Plante Ray[20%],Lim KT[10%]	0%	
Pipeline Middleware workshop at NCSA	9/20/2010	9/22/2010	Dubois-Felsmann Gregory,Lim KT,Plante Ray,Kantor Jeff	25%*	<i>Workshop organized, at</i>
<i>Update Infrastructure Reference Design</i>	<i>9/3/2010</i>	<i>10/28/2010</i>	<i>Freemon Mike</i>	<i>0%</i>	<i>Monthly</i>
Update Mountain/Base? Network Design	9/3/2010	9/16/2010	Lambert Ron[20%]	0%	
Update Long-Haul Network Acquisition Plans	9/3/2010	9/16/2010	Lambert Ron[5%],Kantor Jeff[5%]	0%	
Update Infrastructure Power, Cooling, Floor Space	9/17/2010	9/23/2010	Lambert Ron[10%],Freemon Mike[10%],Jeff Barr[10%]	0%	
Infrastructure Trends and our position (e.g. SSD, GPU, Advanced Processor Architecture, Virtual Shared Memory)	9/24/2010	10/21/2010	Freemon Mike[20%],Dubois-Felsmann Gregory[20%],Lim KT[20%]	10%*	Began organization of s
Develop Performance Budgets, Timing/Sequence? Diagrams for Alert and Data Release	10/22/2010	10/28/2010	Kantor Jeff[20%],Dubois-Felsmann Gregory[20%],Lim KT[20%],Freemon Mike[20%]	20%*	
Update Computing, Storage Reference Design Documentation	9/3/2010	9/30/2010	Freemon Mike[20%]	0%	
<i>Update DM Sizing Model</i>	<i>10/29/2010</i>	<i>11/15/2010</i>	<i>Dubois-Felsmann Gregory</i>	<i>0%</i>	<i>Initiated review of object created.</i>
Reorganize DM Sizing Model into single workbooks for Science, Technology Trends, Computing, Storage, Network	10/29/2010	11/1/2010	Kantor Jeff[10%],Freemon Mike[10%],Dubois-Felsmann Gregory[10%],Lim KT[10%]	10%*	Basic structure identifie

Update Science workbook and explanation document	11/2/2010	11/8/2010	Dubois-Felsmann Gregory[10%],Axelrod Tim[10%]	0%	
Update Technology Trends workbook and explanation document	11/2/2010	11/8/2010	Freemon Mike[20%]	0%	
Consolidate and update Computing workbook and explanation document	11/9/2010	11/15/2010	Dubois-Felsmann Gregory[20%]	0%	
Consolidate and update Storage workbook and explanation document	11/9/2010	11/15/2010	Lim KT[10%],Becla Jacek[10%],Axelrod Tim[10%]	0%	
Update Network workbook and explanation document	11/9/2010	11/10/2010	Lambert Ron[20%]	0%	
<i>Requirements and Design for Science User Interface</i>	<i>8/12/2010</i>	<i>11/3/2010</i>	<i>Van Dyk Schuyler</i>	<i>0%</i>	<i>The DM team has developed interfaces as a basis to Interface workshop is planned on these tools and additional leads. These will then be used to define and requirements for the</i>
SUI workshop with Science Collaborations, Best-of-Breed UI technologists	10/18/2010	10/19/2010	Van Dyk Schuyler[50%],Dubois-Felsmann Gregory[25%]	5%	<i>started</i>
Define requirements, integrate into FRS and system requirements	8/12/2010	11/3/2010	Van Dyk Schuyler[50%],Dubois-Felsmann Gregory[25%]	0%	
<i>Develop Apps Roadmap and Data Quality Plan</i>	<i>9/1/2010</i>	<i>10/15/2010</i>	<i>Axelrod Tim</i>	<i>0%</i>	<i>Outline of data quality plan</i>
Develop Apps sheet of DM Roadmap	9/1/2010	9/7/2010	Axelrod Tim[20%]	0%	
Adapt DC3b Data Quality Product Requirements Document to LSS Reference Design	9/8/2010	9/17/2010	Axelrod Tim[20%]	25%*	Outline of data quality plan
	9/17/2010	9/24/2010	Axelrod Tim[20%]	0%	

Adapt DC3b Metrics Scorecard to LSST Reference Design					
Collect and incorporate Science Council and Science Collaborations review/feedback	9/24/2010	10/15/2010	Axelrod Tim[20%]	0%	
<i>DM Test Plans</i>	<i>9/3/2010</i>	<i>11/9/2010</i>	<i>Allsman Robyn</i>	<i>0%</i>	<i>Monthly</i>
Draft DM Unit Test documents	9/3/2010	9/16/2010	Allsman Robyn[25%]	20%	
Draft DM Integration Test documents	9/17/2010	9/30/2010	Allsman Robyn[25%]	20%	
Draft DM System Test documents	10/1/2010	10/5/2010	Allsman Robyn[35%]	0%	
Draft DM Acceptance Test documents	10/6/2010	10/19/2010	Allsman Robyn[25%]	0%	
Generate Integration Test Cases from DM Ref Design Use Cases/Activities?	10/20/2010	10/26/2010	Allsman Robyn[50%]	0%	
Create Performance System Test Cases from DM Subsystem Requirements Constraint Blocks	10/27/2010	11/2/2010	Allsman Robyn[50%]	0%	
Generate Functional Acceptance Test Cases from DM Subsystem Requirements	11/3/2010	11/9/2010	Allsman Robyn[50%]	0%	
<i>Complete DM Inputs to Risk Management, System Integration, Commissioning, and Operations Plans</i>	<i>12/1/2008</i>	<i>11/11/2010</i>	<i>Kantor Jeff</i>	<i>81%</i>	<i>Monthly</i>
Update DM parts of LSST System Integration Test Plan	9/3/2010	9/16/2010	Allsman Robyn[30%],Freemon Mike[10%],Kantor Jeff[5%]	0%	
Contribute DM sections to LSST Risk Management, Commissioning, I&T, and Operations Plans	4/16/2010	10/14/2010	Kantor Jeff[10%],Allsman Robyn[20%],Axelrod Tim[20%],Plante Ray[20%],Freemon Mike[20%],Dubois-Felsmann Gregory[13%]	89%	
Get MOUs with resource	10/15/2010	11/11/2010	Kantor Jeff[5%],Van Dyk Schuyler[5%],Freemon	0%	

support/commitment from DM partners			Mike[5%],Becla Jacek[5%],Lupton Robert[5%],Lambert Ron[5%]		
<i>PDR final material preparation</i>	11/19/2010	12/10/2010	Kantor Jeff	0%	Monthly
Ensure all documents in docushare updated	11/19/2010	11/24/2010	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	11/25/2010	11/30/2010	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	12/1/2010	12/6/2010	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	12/7/2010	12/10/2010	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	12/13/2010	12/17/2010	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%	