

GRUPP5

# SEMAT-Alpha planering

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## DigiMergo Editor

Version 0.1

**Martin Bodin**

**2014-02-17**

Status

Status	Namn	Datum
Granskad	Martin Bodin	2014-02-17
Godkänd		

**Dokumenthistorik**





Version	Datum	Utförda ändringar	Utförda av	Granskad
0.1	2014-02-17	Första planeringen av SEMAT-alpha states	Alla	Martin Bodin

# SEMAT Alpha States

Nuvarande och planerade states. Förstudien har just avslutats och iteration 1 är igång. De planerade alpha-tillstånden för förstudien har uppfyllts.





## Förstudie

<p> <b>Opportunity</b></p> <p><b>Identified</b></p> <ul style="list-style-type: none"> <li>• Opportunity identified that could be addressed by a software-based solution</li> <li>• A stakeholder wishes to make an investment in better understanding potential value</li> <li>• Other stakeholders who share opportunity identified</li> </ul> <p>1 / 6</p> <p></p>	<p> <b>Opportunity</b></p> <p><b>Solution Needed</b></p> <ul style="list-style-type: none"> <li>• Need for software-based solution confirmed</li> <li>• Stakeholders needs identified</li> <li>• Underlying problem and root causes identified</li> <li>• At least 1 software-based solution proposed</li> </ul> <p>2 / 6</p> <p></p>	<p> <b>Opportunity</b></p> <p><b>Value Established</b></p> <ul style="list-style-type: none"> <li>• The value of a successful solution established</li> <li>• Impact of solution on stakeholders understood</li> <li>• Value of software system understood</li> </ul> <p>3 / 6</p> <p></p>
<p> <b>Stakeholders</b></p> <p><b>Recognized</b></p> <ul style="list-style-type: none"> <li>• Stakeholders have been identified</li> <li>• There is agreement on stakeholder groups to be represented</li> <li>• Responsibilities of stakeholder representatives defined</li> </ul> <p>1 / 6</p> <p></p>	<p> <b>Stakeholders</b></p> <p><b>Represented</b></p> <ul style="list-style-type: none"> <li>• Stakeholder representatives appointed</li> <li>• Stakeholder representatives agreed to take on responsibilities &amp; authorized</li> <li>• Collaboration approach agreed</li> <li>• Representatives respect team way of working</li> </ul> <p>2 / 6</p> <p></p>	<p> <b>Stakeholders</b></p> <p><b>Involved</b></p> <ul style="list-style-type: none"> <li>• Stakeholder representatives carry out responsibilities</li> <li>• Stakeholder representatives provide feedback &amp; take part in decisions in timely way</li> <li>• Stakeholder representatives promptly communicate to stakeholder group</li> </ul> <p>3 / 6</p> <p></p>



















<p> <b>Software System</b></p> <p><b>Architecture Selected</b></p> <ul style="list-style-type: none"><li>• Architecture selected that address key technical risks</li><li>• Criteria for selecting architecture agreed</li><li>• Platforms, technologies, languages selected</li><li>• Buy, build, reuse decisions made</li></ul> <p><b>1 / 6</b></p> <p></p>	<p> <b>Team</b></p> <p><b>Seeded</b></p> <ul style="list-style-type: none"><li>• Team's mission is clear</li><li>• Team knows how to grow to achieve mission</li><li>• Required competencies are identified</li><li>• Team size is determined</li></ul> <p><b>1 / 5</b></p> <p></p>
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Iteration 1



















<p><b>Opportunity</b></p> <p><b>Viable</b></p> <ul style="list-style-type: none"> <li>A solution has been outlined</li> <li>Indications are solution can be developed &amp; deployed within constraints</li> <li>Risks are manageable</li> </ul> <p>4 / 6</p>	<p><b>Stakeholders</b></p> <p><b>In Agreement</b></p> <ul style="list-style-type: none"> <li>Stakeholder representatives agree their input is valued and respected by the team</li> <li>Stakeholder representatives agree with priorities</li> <li>Stakeholder representatives have agreed upon minimal expectations for deployment</li> </ul> <p>4 / 6</p>	<p><b>Requirements</b></p> <p><b>Acceptable</b></p> <ul style="list-style-type: none"> <li>Requirements describe a solution acceptable to the stakeholders</li> <li>The rate of change to agreed requirements is low</li> <li>Value is clear</li> </ul> <p>4 / 6</p>
<p><b>Software System</b></p> <p><b>Demonstrable</b></p> <ul style="list-style-type: none"> <li>Key architecture characteristics demonstrated</li> <li>Relevant stakeholders agree architecture is appropriate</li> <li>Critical interface and system configurations exercised</li> </ul> <p>2 / 6</p>	<p><b>Team</b></p> <p><b>Formed</b></p> <ul style="list-style-type: none"> <li>Team has enough resources to start the mission</li> <li>Team organization &amp; individual responsibilities understood</li> <li>Members know how to perform work</li> </ul> <p>2 / 5</p>	<p><b>Work</b></p> <p><b>Started</b></p> <ul style="list-style-type: none"> <li>Development work has started</li> <li>Work progress is monitored</li> <li>Work broken down into actionable items with clear definition of done</li> <li>Team members are accepting and progressing work items</li> </ul> <p>3 / 6</p>
<p><b>Work</b></p> <p><b>Initiated</b></p> <ul style="list-style-type: none"> <li>Work initiator known</li> <li>Work constraints clear</li> <li>Sponsorship and funding model clear</li> <li>Priority of work clear</li> </ul> <p>1 / 6</p>	<p><b>Work</b></p> <p><b>Prepared</b></p> <ul style="list-style-type: none"> <li>Cost &amp; effort estimated</li> <li>Funding and resources to start work in place</li> <li>Acceptance criteria understood</li> <li>Governance procedures agreed</li> <li>Risk exposure understood</li> <li>Dependencies clear</li> </ul> <p>2 / 6</p>	<p><b>Way of Working</b></p> <p><b>In Use</b></p> <ul style="list-style-type: none"> <li>Some members of the team are using the way of working</li> <li>Use of practices and tools regularly inspected</li> <li>Practices and tools being adapted and supported by team</li> <li>Procedures in place to handle feedback</li> </ul> <p>3 / 6</p>

<p> <b>Way of Working</b></p> <p><b>Principles Established</b></p> <ul style="list-style-type: none"><li>• Principles and constraints established</li><li>• Principles and constraints committed to</li><li>• Practices and tools agreed to</li><li>• Context team operates in understood</li></ul> <p><b>1 / 6</b></p> <p></p>	<p> <b>Way of Working</b></p> <p><b>Foundation Established</b></p> <ul style="list-style-type: none"><li>• Key practices and tools ready</li><li>• Gaps that exist between practices and tools analyzed and understood</li><li>• Capability gaps analyzed and understood</li><li>• Selected practices, and tools integrated</li></ul> <p><b>2 / 6</b></p> <p></p>
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Iteration 2

<p> <b>Opportunity</b></p> <p><b>Addressed</b></p> <ul style="list-style-type: none"> <li>A solution has been produced that demonstrably addresses opportunity</li> <li>A usable system is available</li> <li>Stakeholders agree worth deploying</li> <li>Stakeholders satisfied solution addresses opportunity</li> </ul> <p>5 / 6</p> <p></p>	<p> <b>Stakeholders</b></p> <p><b>Satisfied for Deployment</b></p> <ul style="list-style-type: none"> <li>Stakeholder representatives provide feedback on system from their stakeholder group perspective</li> <li>Stakeholder representatives confirm system ready for deployment</li> </ul> <p>5 / 6</p> <p></p>	<p> <b>Requirements</b></p> <p><b>Addressed</b></p> <ul style="list-style-type: none"> <li>Enough requirements are implemented for the system to be acceptable</li> <li>Stakeholders agree the system is worth making operational</li> </ul> <p>5 / 6</p> <p></p>
<p> <b>Software System</b></p> <p><b>Usable</b></p> <ul style="list-style-type: none"> <li>System is usable and has desired quality characteristics</li> <li>System can be operated by users</li> <li>Functionality and performance have been tested and accepted</li> <li>Defect levels acceptable</li> <li>Release content known</li> </ul> <p>3 / 6</p> <p></p>	<p> <b>Team</b></p> <p><b>Performing</b></p> <ul style="list-style-type: none"> <li>Team working efficiently and effectively</li> <li>Adapts to changing context</li> <li>Produce high quality output</li> <li>Minimal backtracking and re-work</li> <li>Waste continually eliminated</li> </ul> <p>4 / 5</p> <p></p>	<p> <b>Team</b></p> <p><b>Collaborating</b></p> <ul style="list-style-type: none"> <li>Members working as one unit</li> <li>Communication is open and honest</li> <li>Members focused on team mission</li> <li>Success of team ahead of personal objectives</li> </ul> <p>3 / 5</p> <p></p>
<p> <b>Work</b></p> <p><b>Under Control</b></p> <ul style="list-style-type: none"> <li>Work going well, risks being managed</li> <li>Unplanned work &amp; re-work under control</li> <li>Work items completed within estimates</li> <li>Measures tracked</li> </ul> <p>4 / 6</p> <p></p>	<p> <b>Way of Working</b></p> <p><b>Working Well</b></p> <ul style="list-style-type: none"> <li>Way of working is working well for team</li> <li>Team members are making progress as planned</li> <li>Team naturally applies practices without thinking about them</li> <li>Tools naturally support way of working</li> </ul> <p>5 / 6</p> <p></p>	<p> <b>Way of Working</b></p> <p><b>In Place</b></p> <ul style="list-style-type: none"> <li>All members of the team are using the way of working</li> <li>All members have access to practices and tools to do their work</li> <li>Whole team involved in inspection and adaptation of way of working</li> </ul> <p>4 / 6</p> <p></p>

Iteration 3

<p> <b>Opportunity</b></p> <p><b>Benefit Accrued</b></p> <ul style="list-style-type: none"> <li>Operational use creating tangible benefits</li> <li>Return on investment profile at least as good as anticipated</li> </ul> <p>6 / 6</p> <p></p>	<p> <b>Stakeholders</b></p> <p><b>Satisfied in Use</b></p> <ul style="list-style-type: none"> <li>System has met or exceed minimal stakeholder expectations</li> <li>Stakeholder needs and expectations are being met</li> </ul> <p>6 / 6</p> <p></p>	<p> <b>Requirements</b></p> <p><b>Fulfilled</b></p> <ul style="list-style-type: none"> <li>The system fully satisfies the requirements and the need</li> <li>There are no outstanding requirements items preventing completion</li> </ul> <p>6 / 6</p> <p></p>
<p> <b>Software System</b></p> <p><b>Retired</b></p> <ul style="list-style-type: none"> <li>System no longer supported</li> <li>Updates to system will no longer be produced</li> <li>System has been replaced or discontinued.</li> </ul> <p>6 / 6</p> <p></p>	<p> <b>Software System</b></p> <p><b>Ready</b></p> <ul style="list-style-type: none"> <li>User documentation available</li> <li>Stakeholder representatives accept system</li> <li>Stakeholder representatives want to make system operational</li> </ul> <p>4 / 6</p> <p></p>	<p> <b>Software System</b></p> <p><b>Operational</b></p> <ul style="list-style-type: none"> <li>System in use in operational environment</li> <li>System available to intended users</li> <li>At least one example of system is fully operational</li> <li>System supported to agreed service levels</li> </ul> <p>5 / 6</p> <p></p>
<p> <b>Team</b></p> <p><b>Adjourned</b></p> <ul style="list-style-type: none"> <li>Team no longer accountable</li> <li>Responsibilities handed over</li> <li>Members available for other assignment</li> </ul> <p>5 / 5</p> <p></p>	<p> <b>Work</b></p> <p><b>Concluded</b></p> <ul style="list-style-type: none"> <li>Work to produce results have been finished</li> <li>Work results are being achieved</li> <li>The client has accepted the resulting software system</li> </ul> <p>5 / 6</p> <p></p>	<p> <b>Work</b></p> <p><b>Closed</b></p> <ul style="list-style-type: none"> <li>All remaining housekeeping tasks completed, and work officially closed</li> <li>Everything has been archived</li> <li>Lessons learned and metrics made available</li> </ul> <p>6 / 6</p> <p></p>



 **Way of Working**

**Retired**

- Way of working no longer in use by team
- Lessons learned are shared for future use

6 / 6

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