

# ProjectMAGIC® Methodology

| Project Phase    | Create the Concept  | Define Results and Success Criteria   | Establish the Scope  | Plan Requirements  | Estimate Effort and Cost  | Schedule Performance  | Procure Resources  | Execute Activities   | Control Results   | Close and Celebrate   |
|------------------|---|---|--|--|---|---|--|--|---|---|
| <b>Processes</b> | Recognize Opportunity – vision, idea, pain, problem, need | Study Feasibility<br>Launch Project<br>Assess Business Risk<br>Assess Project Risk – Result | Plan-to-Plan™<br>Identify Issues<br>Define Scope<br>Determine Deliverables<br>Work Breakdown Structure<br>Plan Project Strategy<br><ul style="list-style-type: none"><li>• Project Goals</li><li>• Project Phases</li><li>• Plan for Project Planning</li><li>• STORM<sup>SM</sup> – Strategy, Tactics, Operations, Resources, Methods</li><li>• Project Management</li><li>• Project Management Goals</li></ul> Assess Project Risk – Scope | Identify Operations – Time, Territory, People, Resource<br>Develop Work Packages<br>Select Methods<br>Work / Task List<br>Identify Resources<br><ul style="list-style-type: none"><li>• Managers</li><li>• People</li><li>• Tools &amp; Equipment</li><li>• Materials</li><li>• Information</li></ul> Assess Project Risk – Management and Methods | Calculate Effort for each Work Package<br>Estimate Duration for each Work Package<br>Calculate Resource Costs for each Work Package<br>Assess Project Risk – Methods<br><ul style="list-style-type: none"><li>• Productivity</li><li>• Reliability</li></ul> Assess Project Risk – Effort and Cost  | Sequence Activities<br>Organize by Scheduling Technique<br>Calculate Project Duration<br>Level Resources<br>Assess Project Risk – Project Duration  | All Resources<br><ul style="list-style-type: none"><li>• Purchasing</li><li>• Contracting</li><li>• Expediting</li><li>• Receiving</li><li>• Storing</li><li>• Issuing</li><li>• Deploying</li><li>• Recovering</li><li>• Salvage</li></ul> Assess Project Risk – Resources<br><ul style="list-style-type: none"><li>• Availability</li><li>• Delivery</li><li>• Quantity</li><li>• Quality</li><li>• Productivity</li></ul> | Build the Team<br>Administer Contracts<br>Assure Quality<br>Communicate<br>Expedite Resources<br>Searchlight Scheduling <sup>SM</sup><br>Perform Work<br>Control Change<br>Mitigate Risk | Measure<br><ul style="list-style-type: none"><li>• Results</li><li>• Scope</li><li>• Performance</li><li>• Risk</li><li>• Reliability</li><li>• Relationships</li><li>• Learning</li><li>• Time</li><li>• Cost</li><li>• Quality</li></ul> Evaluate<br><ul style="list-style-type: none"><li>• Change</li><li>• Magnitude of Change</li><li>• Rate of Change</li><li>• Change of Rate</li></ul> Correct Variances | Finalize Deliverables<br>Turn Over to Customer<br>Complete Documentation<br>Celebrate Victory<br>Learn<br><ul style="list-style-type: none"><li>• Individuals</li><li>• Team</li><li>• Organization</li></ul> |
|                  | <b>Deliverable</b>  | Business Purpose / Need   | Refined Business Purpose / Need<br>Impact on Business<br>Critical Success Factors<br>Project Mission<br>Project Success Criteria<br>Project Charter<br>Result Risk   | Scope Statement<br><ul style="list-style-type: none"><li>• Assumptions</li><li>• Threats</li><li>• Opportunities</li><li>• Decisions</li><li>• Unknowns</li><li>• Goals</li><li>• Effort</li><li>• Budget</li><li>• Time</li><li>• Team</li></ul> Scope Risk   | Project Plan<br><ul style="list-style-type: none"><li>• Work List</li><li>• Project Management</li><li>• Project Team</li><li>• Project Schedule</li><li>• Decisions</li><li>• Change Management</li><li>• Risk Management</li><li>• Project Quality</li><li>• Resource Management</li><li>• Financial Plan</li><li>• Relationships</li></ul> Management Risk<br>Methods Risk | Work Packages<br><ul style="list-style-type: none"><li>• Methods</li><li>• Resources</li><li>• Duration</li><li>• Risk Assessment</li></ul> Consolidated Resource Requirements<br>Work-Effort Budget<br>Cost Budget<br>Effort Risk<br>Cost Risk | Schedule – Work-by-Time<br>Milestones<br>Cash Flow – Money-by-Time<br>Effort Curve – Effort-by-Time<br>Risk-by-Time<br>Schedule Risk   | Purchase Orders<br>Contracts<br>On-Time Delivery<br>Committed Cost-by-Budget<br>Expended Cost-by-Budget<br>Resource Risk   | Progress<br>Customer Satisfaction<br>Product<br>Expected Results  | Control Charts – Actual versus Planned<br>Produce Required Result<br>Meet Success Criteria  |

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