



iAppFusion's Waterfall Product Cycle Process

A Comparison to the Microsoft Solutions Framework (MSF)

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1.0 Document Overview

1.1 Purpose

This document establishes the Waterfall style software development cycle that iAppFusion will strive to follow in the planning, development and release of its software. The waterfall methodology will primarily be used in the execution of projects with external customers. Most internal projects will be run through an Agile methodology.

1.2 Scope

A clear and measurable software development cycle is the cornerstone to any successful software development life cycle. System test concentrates on testing the final program as defined for each release. This document establishes the iAppFusion Product Cycle and models this cycle after the Process Model presented in the Microsoft Solution Framework. The Framework is used as a basis for the development cycle, and any background can be gleaned from reference (1) below. The intent of the process is to facilitate a smooth and quality focused, construction of software. The process is not the product; the process helps make the product better with the least amount of “waste” as possible.

1.3 References

The documents below were referenced during development of this cycle:

1. Solutions Development Discipline (SDD) reference manual
2. Quality Strategy for iAppFusion

1.4 Target Audience

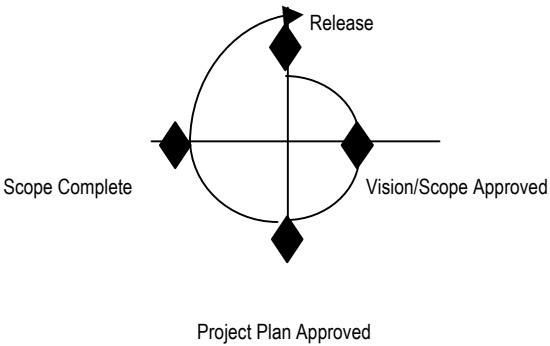
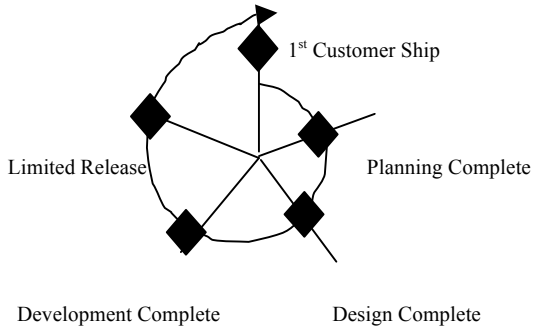
The intended audience for this document includes members of the iAppFusion Application and Development Teams, Project Management, Appropriate Business Units and External Stakeholders.

1.5 Organization

This document maps the Milestones and deliverables to the Microsoft Solutions Framework. The check sheets to be used for the various phases in the development cycle are stored in separate files to be used when Milestone reviews are called.



iAppFusion's Product Cycle With Comparison of the MSF

<p style="text-align: center;">Microsoft Process Model</p> <p>Each phase of the development process culminates in an externally visible milestone. These milestones are points in time when all team members synchronize their deliverables with customers and end users; with operations, support, and help desk personnel; with the distribution channel (commercial software); and with other key project stakeholders.</p>  <p style="text-align: center;">Microsoft Solutions Framework (MSF) Process Model</p>	<p style="text-align: center;">iAppFusion's Method</p> <p>The iAppFusion method consists of five major milestones, and essentially covers all the tasks shown in the MSF.</p>  <p style="text-align: center;">iAppFusion Product Cycle</p>
<p style="text-align: center;">Vision/Scope Approved Milestone</p> <p>The envisioning phase culminates in the vision/scope-approved milestone. This first milestone is the point at which the project team and the customer agree on the overall direction for the project, including what the product will and will not include. Determining vision and scope are opposite activities, yet a successful project requires both. Vision is the unbounded view of what the solution could be, without regard to project constraints. Scope defines what parts of the vision can be accomplished within the project constraints. A shared project vision is essential for project success.</p> <p>The deliverables are:</p> <ul style="list-style-type: none"> - Vision/Scope document - Risk assessment - Project structure 	<p style="text-align: center;">Planning Complete</p> <p>The planning complete milestone completes the envisioning and part of the planning phase in the MSF. The Project team has agreed w/ the customer on the overall direction of the project. Preliminary planning for the product has begun based on the agreement, and various "Initial" (draft) documents have been generated in accordance with the problem statement.</p> <p>Deliverables are:</p> <ul style="list-style-type: none"> Customer/Business Problem statement (Vision) Recommended Prioritization (Scope) Systems Independent Proposed Solutions (Conceptual design) O! Specific Proposed Solutions (Logical design) Project Plan (Scope)

<p style="text-align: center;">Project Plan Approved Milestone</p> <p>The planning phase culminates in the project plan approved milestone. This second milestone is the point at which the project team, the customer, and key project stakeholders agree on what the project will deliver and design a solution. It also provides an opportunity to establish priorities and set expectations. The project plan approved milestone is essentially the contract with the customer to proceed with the project.</p> <p>The deliverables are:</p> <ul style="list-style-type: none"> - Functional specification - Risk assessment - Project schedule 	<p style="text-align: center;">Design Complete</p> <p>The Design Complete Milestone completes the Planning phase and part of the Developing phase in the MSF. In this phase we should have agreement on what is to be delivered, and when, as well as adjust priorities once the design has been established</p> <p>Deliverables are:</p> <ul style="list-style-type: none"> Preliminary Product intro Plan Specific Architecture/Implementation (Physical design) Test Plan (Integration/Systems) Documentation Plan <ul style="list-style-type: none"> - User - Sys/Admin
<p style="text-align: center;">Scope Complete/First Use Milestone</p> <p>The developing phase culminates in the scope complete/first use milestone. At this milestone, all features are complete and the product is ready for external testing and stabilization. This milestone is the opportunity for customers and end users, operations and support personnel, and key project stakeholders to evaluate the product and identify any remaining issues they need to address before it ships.</p> <p>The deliverables are:</p> <ul style="list-style-type: none"> - Frozen functional specification - Risk management plan - Source code and executables - Performance support elements - Test specification and test cases - Master project plan and master project schedule 	<p style="text-align: center;">Development Complete</p> <p>The Development complete milestone completes the developing phase of the MSF. In this phase we've obtained feature complete and the product is ready for internal testing and stabilization. As in the MSF, this is the opportunity for customers and end users, operations and support personnel, and key project stakeholders to evaluate the product and identify any remaining issues they need to address before it ships. All Requirements/design documents as well as the software itself under change control.</p> <p>Deliverables are:</p> <ul style="list-style-type: none"> Training Plan (Draft) Entrance criteria to integration test met <ul style="list-style-type: none"> - Unit tests 100% complete - Validation test passed
<p style="text-align: center; font-size: 2em;">NONE</p>	<p style="text-align: center;">Limited Release</p> <p>The Limited release milestone has no corresponding milestone in the MSF. This milestone is to test the release process, certification of the packaged material, and release the product to the sales/marketing force for testing. In addition a "Beta" release to selected customers for their review and comment can be accommodated in this release. It is not intended to have this release go "live" in a customer site.</p> <p>Deliverables are:</p> <ul style="list-style-type: none"> Product Intro material Customer support plan Systems Test Complete Limited Release CD Strict Change Control & Code Review Process in place



	Documentation Complete -User -Sys/Admin Training Material Complete Pilot Training Complete Training Plan
<p style="text-align: center;">Release Milestone</p> <p>The release milestone occurs once the team addresses all outstanding issues and ships the product or places it in service. At the release milestone, responsibility for ongoing management and support of the product officially transfers from the project team to operations and support.</p> <p>The deliverables are:</p> <ul style="list-style-type: none"> - Golden release - Release notes - Performance support elements - Test results and testing tools - Source code and executables - Project documents - Milestone review 	<p style="text-align: center;">First Customer Ship</p> <p>The First Customer ship completes the stabilizing phase of the MSF. As with the MSF release milestone, responsibility for ongoing management and support of the product officially transfers from the project team to operations and support.</p> <p>Deliverables are:</p> <ul style="list-style-type: none"> Known bug list Final Product intro. Material Final Customer support plan Strict Change Control & Code Review Process in place Maintain Documentation Maintain Training Material Maintain Training Plan Final, Gold-Master App