

# Statement of Work

## Medium Duty Star Cruiser (MDSC) Process Design Plan

### **Problem statement**

EA-BPM will create and share engineering information for a Medium Duty Star Cruiser (MDSC) Process Design Plan. The end objective of the project will be to create a plan detailed enough to consider the feasibility of building a conceptual Star Cruiser prototype.

### **Conceptual Prototype defined**

Prototype used in this context refers to an early conceptual model. To clarify, there is no intent to actually build a prototype but rather the intent is to determine the feasibility of building a conceptual prototype. While a conceptual prototype might be a tangible physical system, the intent of this project is directed toward an intangible simulated conceptual prototype.

### **Stakeholder**

A participant who subscribes to the MDCC Process Design Plan is considered a stakeholder and eligible to receive shared content, provide feedback, and vote on future topics. An active subscription is required to maintain a Stakeholder status.

### **Developer**

A person(s) engaged by EA-BPM Strategies to work on the MDSC Process Design Plan are considered a developer. Developers research and create content, populate content trees with data, create code, and manage the planning activities.

### **Strawman and Strawmen**

Strawman and plural Strawmen represent the rough draft content outlines that have not yet been populated with data. In other words, the purpose of a Strawman is to merely establish the range of content being considered in a loosely structured format.

### **Scope of Work**

This Scope of Work establishes the baseline of the initiative being undertaken then defines developer responsibilities, stakeholder responsibilities, and the boundaries of what is to be accomplished as well as the desired outcome. The Management Plan section determines changes, timing, resource levels, and estimated schedules.

The process planning baseline is established by the content elements within the Strategy Content Tree strawman and the Design Content Tree strawman. These two strawman content trees represent the level of detail to be researched and provided as deliverables. The strawmen trees are placeholders for content and the desired outcome is to fill these placeholders with meaningful planning data, use cases, design criteria, requirements, analysis, and risk assessments. The deliverables will be reports that illustrate and discuss the content included, provide summaries, conclusions and recommendations based on the nature of the content contained within.

Content criteria not contained within the Strategy or Design strawmen is considered to be out of scope and will need to go through a management plan review to determine relevance. Content beyond the original MDSC concept may need to be voted on by stakeholders for future consideration in becoming part of the project.

Developer responsibilities are limited to management of the project and providing the content as it is represented in the Strategy and Design content tree strawmen as deliverables. These deliverables may include planning data, use cases, design criteria, analysis, risk assessments,

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requirements, summaries, conclusions, and recommendations in industry standard architectural formats. The deliverables will be provided as PDF file(s) based on a provided project planning schedule and no source documents will be shared.

Stakeholder responsibilities are limited and include agreeing with Statement of Work and all conditions that are defined within this document, providing feedback, voting on future topics, and maintaining an active subscription. Stakeholders who receive shared content agree to simple nondisclosure as well as agree that shared deliverables will remain the copyrighted property of the organizer and developer of the material (which is EA-BPM Strategies, LLC). Stakeholders also understand that this process design is a living, evolving, activity that may never be completely finished. However, when all areas of established content trees have been populated with data that portion of the project will be considered completed. Expanding scope requires Management Planning review.

### Rewards

Stakeholders are the lifeblood of keeping the MDSC project active. As a thank you, EA-BPM is awarding content that enables staying focused on the project objectives. As we complete a content section we share it with our Stakeholders. Since our patrons pay on a monthly basis we are planning recurring rewards often. For example, an illustrated strategy planning Mind Map will be shared upon signing up. From that point on as the project evolves the Strategy content tree strawman will be shared approximately month one into the project with updates to the Strategy content tree being shared at regular intervals. The Design content tree strawman will be shared at approximately six months into the project with updates following on a monthly basis. In other words, as the content matures it will be shared on a recurring basis. There are also plans to create and share CAD content as well as STL content.

### Goals and Milestones

Goals are the best way to show progress along our journey. When sharing Rewards we are painting a picture of what we are working toward together. In order to add more content and detail we will need to continue adding resources. What we are able to accomplish is tied directly to the number of patrons we are able to attract. In other words, our goals are based on the number of monthly patrons within the stakeholder community. A Milestone is when we reach a significant patron subscription size goal. For example, a minimum of 100 patrons are needed to keep the project active with one half of a resource and reaching a goal of 100 patrons is the first significant milestone. A minimum goal of 500 patrons is needed to maintain one full-time resource making it the second significant milestone. A Goal of 900 patrons would enable an infrastructure upgrade to accommodate additional resources and growth making it a third significant milestone. After adding infrastructure, one additional resource will be added for every additional 500 patrons after reaching 1000 patrons. Milestones may also trigger rewards such as an update video every month after reaching 500 patrons, or a CAD model fly through after 1500 patrons or even a virtual reality simulation once there are enough patrons to support bringing this advanced technology into the project.

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### Management Plan

The Management Plan oversees everything about the project to ensure it keeps moving forward in an organized manner. The Management Plan includes such things as requirements oversight, costing, schedules, deliverables management, staff management, scope management, scope changes, patron voting, adding future content, timelines, scheduling, and determines security requirements as well as any behind the scenes access. Moreover, the Management Plan is responsible for adding and removing resources, and reserves the right to make any changes as necessary to the MDSC project it considers to be in the best interest of the MDSC initiative. Additionally, the Management Plan is shared periodically when it fits the narrative.

### Assumptions

Assumptions are limited to the Scope boundaries as they are discussed by this Statement of Work document. This Statement of Work document represents everything that is defined in Scope and considered as part of the MDSC project.

### Exclusions

Exclusions are out of Scope items such as certain deliverables, schedules, timing, risks, or assumptions that are not considered within this document. Furthermore, exclusions include anything not defined in this Statement of Work.

### Basic Funding Requirements

Project costs are covered directly through subscription funding. Initiative will progress with adequate funding and initiative will stop without adequate funding. If funding model fails to maintain the project at a sustainable level, as determined by EA-BPM Strategies, the project will end (funded content shared to that point). Likewise, our continuous content sharing ability is dependent on achieving the patron subscription goals. A partial resource level is possible with a monthly run rate of at least 100 patrons maintaining a minimum monthly subscription of \$15.00 or more. At 500 patrons, the cost for one full time resource is possible when majority of the monthly subscriptions are above a minimum monthly subscription of \$15.00 or more.