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|  |
| Organization Name |
|  |
| Strategic BIM Plan |

Version 1.02

Monday, July 02, 2012

Developed by:

Author Names

# Executive Summary:

[Abstract]

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This template is a tool that is provided to assist in the development of a Strategic Planning Document. The template Document was created from the buildingSMART alliance™ (bSa) Project “BIM Execution Planning for Owners” as developed by The Computer Integrated Construction (CIC) Research Group of The Pennsylvania State University. The bSa project is sponsored by The Charles Pankow Foundation, US DoD Military Health System, Kaiser Permanente, US Department of Veterans Affairs, Penn State Office of Physical Plant (OPP), and The Partnership for Achieving Construction Excellence (PACE). The BIM Execution Planning Guide for Owners can be downloaded at http://bim.psu.edu.

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Table of Contents

[Executive Summary: 1](#_Toc324249167)

[1 Introduction 3](#_Toc324249168)

[1.1 BIM Planning Committee 3](#_Toc324249169)

[2 Assess 3](#_Toc324249170)

[2.1 Background of Organization 3](#_Toc324249171)

[2.1.1 Organizational Mission 4](#_Toc324249172)

[2.1.2 Organizational Goals 4](#_Toc324249173)

[2.2 Organizational Performance Analysis 4](#_Toc324249174)

[2.3 Organizational Assessment 4](#_Toc324249175)

[2.3.1 Strategy 4](#_Toc324249176)

[2.3.2 Uses 5](#_Toc324249177)

[2.3.3 Process 5](#_Toc324249178)

[2.3.4 Information 5](#_Toc324249179)

[2.3.5 Infrastructure 5](#_Toc324249180)

[2.3.6 Personnel 6](#_Toc324249181)

[3 Align 6](#_Toc324249182)

[3.1 BIM Vision 6](#_Toc324249183)

[3.2 BIM Objectives 6](#_Toc324249184)

[3.3 Planning Elements 6](#_Toc324249185)

[3.3.1 Strategy 6](#_Toc324249186)

[3.3.2 Uses 7](#_Toc324249187)

[3.3.3 Process 7](#_Toc324249188)

[3.3.4 Information 7](#_Toc324249189)

[3.3.5 Infrastructure 7](#_Toc324249190)

[3.3.6 Personnel 8](#_Toc324249191)

[4 Advance 8](#_Toc324249192)

[4.1 Roadmap 8](#_Toc324249193)

# Introduction

(What is this document about, who is it for and how to use it)

## BIM Planning Committee

(Document the members of the BIM Planning Committee)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Role | Department | E-Mail | Phone |
|  | BIM Champion |  |  |  |
|  |  |  |  |  |
|  | Discipline Lead |  |  |  |
|  |  |  |  |  |

# Assess

(Includes a summary of the information documented in assessment)

## Background of Organization

(Summary of Organization with Structure)

### Organizational Mission

(Include summary of organizational Mission)

### Organizational Goals

(Include a summary of the Organizational Vision and Goals)

*Organizational Vision*:

Organizational Goals

|  |  |
| --- | --- |
| Priority | Goal Description |
| Choose an item. | Improve work order management through the timely entry of facility data into the facility management system (FMS) |
|  | Provide facility managers improved facility data after building turnover |
|  | Reduce energy use by integrating more detailed energy analysis |

## Organizational Performance Analysis

(Summary of organizational performance with chosen method of analysis)

* Process Performance Measurement Systems (PPMS),
* Balanced Scorecards,
* Workflow Based Monitoring,
* Statistical Process Control,
* Activity-based costing systems,
* Capability Maturity Model,
* Strengths, Weaknesses, Opportunities and Threats (SWOT) Analysis.

## Organizational Assessment

(Organizational maturity Profile)

Assess as-is status of each of the planning elements. Document a set of interview questions or survey sets to help assess the organization that should be documented under this section.

### Strategy

(Description and factors for each level within the Strategy Profile)

|  |  |  |
| --- | --- | --- |
| **Category** | **Level of Maturity** | **Current Level** |
| Organizational Mission and Goals |  |  |
| BIM Vision and Objectives |  |  |
| Management Support |  |  |
| BIM Champion |  |  |
| BIM Planning Committee |  |  |

### Uses

(Description and factors for Uses maturity)

The specific methods of implementing BIM

|  |  |  |
| --- | --- | --- |
| Category | Level of Maturity | Current Level |
| Project Uses |  |  |
| Operational Uses |  |  |

### Process

(Description and factors for Process maturity)

The means by which the BIM Uses are accomplished

|  |  |  |
| --- | --- | --- |
| Category | Level of Maturity | Current Level |
| Project Processes |  |  |
| Organizational Processes |  |  |

### Information

(Description and factors for Information maturity)

Information Needs refer to Model Level of Development and Facility Data requirements

|  |  |  |
| --- | --- | --- |
| Category | Level of Maturity | Current Level |
| Project Processes Model Element Breakdown (MEB) |  |  |
| Level of Development (LOD) |  |  |
| Facility Data |  |  |

### Infrastructure

(Description and factors for Infrastructure maturity)

Technological and physical systems needed for the operation of BIM with the organization.

|  |  |  |
| --- | --- | --- |
| Category | Level of Maturity | Current Level |
| Software |  |  |
| Hardware |  |  |
| Physical Spaces |  |  |

### Personnel

(Description and factors for personnel maturity)

Human resources of an organization

|  |  |  |
| --- | --- | --- |
| Category | Level of Maturity | Current Level |
| Roles and Responsibilities |  |  |
| Organizational Hierarchy |  |  |
| Education |  |  |
| Training |  |  |
| Change Readiness |  |  |

# Align

(Includes a summary of the information documented in alignment)

## BIM Vision

Document a BIM vision for the organization; how the organization envisions BIM to enable the organization achieve its mission.

## BIM Objectives

Document a set of BIM objectives for the organization and how these objectives will support the organizational goals.

|  |  |  |
| --- | --- | --- |
| Priority | Organizational Goal Description | BIM Objective |
| Choose an item. | Improve work order management through the timely entry of facility data into the facility management system (FMS) | Identify facility data that could be facilitated through BIM workflows at early project phases |
|  | Provide facility managers improved facility data after building turnover | Interoperability and seamless transfer of information |
|  | Reduce energy use by integrating more detailed energy analysis | Energy modeling data to be integrated into BIM workflows |

## Planning Elements

Document the maturity of the organization in terms of the BIM planning elements that the organizations envisions to be, with an estimate of the time and resources required for the transition.

### Strategy

(Description and factors for each levels within the Strategy Profile)

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Current Level of Maturity** | **Target level of maturity** | **Competencies required** |
| Organizational Mission and Goals |  |  |  |
| BIM Vision and Objectives |  |  |  |
| Management Support |  |  |  |
| BIM Champion |  |  |  |
| BIM Planning Committee |  |  |  |

### Uses

(Description and factors for Uses maturity)

|  |  |  |  |
| --- | --- | --- | --- |
| Category | Current Level of Maturity | Target Current Level of maturity | Competencies Required |
| Project Uses |  |  |  |
| Operational Uses |  |  |  |

### Process

(Description and factors for Process maturity)

|  |  |  |  |
| --- | --- | --- | --- |
| Category | Current Level of Maturity | Target Current Level of maturity | Competencies Required |
| Project Processes |  |  |  |
| Organizational Processes |  |  |  |

### Information

(Description and factors for Information maturity)

|  |  |  |  |
| --- | --- | --- | --- |
| Category | Current Level of Maturity | Target Current Level of maturity | Competencies Required |
| Project Processes Model Element Breakdown (MEB) |  |  |  |
| Level of Development (LOD) |  |  |  |
| Facility Data |  |  |  |

### Infrastructure

(Description and factors for Infrastructure maturity)

|  |  |  |  |
| --- | --- | --- | --- |
| Category | Current Level of Maturity | Target Current Level of maturity | Competencies Required |
| Software |  |  |  |
| Hardware |  |  |  |
| Physical Spaces |  |  |  |

### Personnel

(Description and factors for personnel maturity)

|  |  |  |  |
| --- | --- | --- | --- |
| Category | Current Level of Maturity | Target Current Level of maturity | Competencies Required |
| Roles and Responsibilities |  |  |  |
| Organizational Hierarchy |  |  |  |
| Education |  |  |  |
| Training |  |  |  |
| Change Readiness |  |  |  |

# Advance

(Introduction to information documented in advancement)

1. List of resources required: personnel, time etc.
2. The planning elements to be addressed in the roadmap

## Roadmap

**Milestones:** Determine important milestones for the entire duration of the adoption phase. Identify the elements that will be addressed in each of these phases and the sequence of approach.

**Time:** allocate the estimated time frames for each of these phases, in terms of weeks, months or years, whichever would be applicable.

**Supporting Information:** identify information that should be represented on the roadmap for visualization and communication purposes.