

# BOMs Usage and Transition Survey

Please review the suggested transition mechanisms intended to support and facilitate the adoption of BOMs in program/project development and life-cycle support activities. The final question of the survey will allow you to add any other suggested transition mechanisms that you believe might improve the successful adoption of BOMs. Please provide your opinion of the priority of each transition mechanism as well as the timeframe for accomplishing these activities. If you would like to participate in any of these activities, should they be included in the final BOMs Transition Plan, please contact [info@simventions.com](mailto:info@simventions.com)

## **Survey Legend/Notes:**

**Priority** – (Enter “H”, “M”, or “L” in column)

- (H) High [Very valuable and essential results for effort, required for successful transition]
- (M) Medium [Valuable and useful results for effort, will assist successful transition]
- (L) Low [Useful but marginal results, not required for successful transition]

**Timeframe** – (Enter “N”, “M”, or “L” in column, and check “C” if continuous once started)

- (N) Near [Accomplish by Spring ‘05 ]
- (M) Mid-Term [Accomplish between Spring ‘05 and Spring ‘06 ]
- (L) Long-Term [Accomplish after Spring ‘06 but before Fall ‘07 ]

## **Documentation: BOM Standards & Guide**

Develop consensus-based standards and user guides for BOMs. This effort is centered around developing a SISO standard for IF BOMs and ECAP BOMs and a Guide for Use and Implementation that addresses creating and usage of BOMs for both HLA 1516 and 1.3. There are drafts for all three documents and the second release of the IF BOM specification is being distributed in August of 2004. All three documents are planned for release by Spring of 2005.

## **BOM Usage Tutorial (multimedia and/or hands-on)**

Develop a BOM Usage Tutorial that explains what BOMs are all about, their advantages, and how to implement BOMs in both the 1516 and 1.3 environments. The tutorial will be generated for delivery in a seminar setting as well as a multimedia stand-alone product.

## **Case Studies, Experience Reports, Business Case Data**

Collect information (user experience, lessons learned, pros/cons, customer perspectives, etc.) from the various trial users and early adopters and generate case studies and experience reports. The goal will be to develop metrics that assist future BOM users on determining when and how to effectively implement BOMs. This information will all be available on the BOMs website.

### **Conference Presentations, Articles, White Papers**

Develop conference presentations (SIW, ITSEC, BorCon, etc.), articles, and white papers that facilitate the following objectives:

- Describe the features and benefits of BOMs
- Describe and demonstrate the implementation of BOMs
- Promote the usage of BOMs in the M&S community

### **One Day Workshop for Early Adopters/Component Developers**

Develop and sponsor one day workshops for BOM early adopters and component developers. Workshop will cover the following information:

- The BOM development and integration process
- Hands-on examples of BOM development and integration
- Current BOM projects, POCs, and their lessons learned
- Technical Q&A session addressing specifically how to implement BOMs in attendee's projects

### **BOMs Frequently Asked Questions (FAQs on website)**

Develop an on-going list of frequently asked questions and answers for the BOMs website.

### **Marketing Material, Point Papers, Brochures**

Develop BOM high level overview description (What is it? What is the Benefit? What is the Proof?) along with a strategy/plan to promote BOMs with the key stakeholders in the M&S community. Generate consensus among key BOMs leadership team to share this common "message" about BOMs so that everyone is hearing the same story. Generate key marketing material to share this message and material.

### **Developer checklists, BOM trial components, BOM demos**

Generate BOMs checklist for development and integration activities, BOM trial components, and BOM demonstrations that can be downloaded from the BOMs website. These developer aides will be initially developed by the BOMs support team as well as a few of the first trial use participants. Later contributions will be collected from the early adopters.

### **BOM Users Group (BUG)**

Establish and support a BOMs Users Group (BUG) that will hold monthly on-line meetings and semi-annual face-to-face meetings. Monthly meetings will facilitate the exchange of development and integration ideas and experiences, create awareness of

existing and new tools and resources, and share the expanding list of BOM users and adopters for peer support. Semi-annual face-to-face meetings will accomplish the same objectives as the monthly on-line sessions as well as offer training, certification testing, and demonstrations. Annual elections would occur at one of those meetings. All agendas, minutes, reports, and other meeting artifacts will be placed in a dedicated sub-page on the BOMs website.

### **BOMs Virtual Help Desk (web-based/email)**

Establish a list of “BOM experts” who would be willing to answer questions entered on the BOMs website. The BOMs website would be upgraded to include a support section that would contain the FAQs, support tools, user case studies, and user questions. All answers, with permission from the requestors, would be published on the website.

### **BOMs Website [www.boms.info](http://www.boms.info) Updates (News, Support, & Downloads)**

The BOMs website will be upgraded to include the following sections:

- BOMs News and Announcements
- BOMs Downloadable Resources
  - Free Tools
  - BOM Examples
  - BOM Checklists
  - BOM Demonstrations
  - Standards
  - Guides
- BOMs Users Group (BUG) Page
- BOMs User Support
  - FAQs
  - Email Support for Q&A’s
  - Discussion Threads
  - White Papers and Presentations
  - Business Case Studies
  - BOM Users Experience Reports
  - BOM-related links

The website will be updated on a bi-weekly basis for news and announcements and monthly for all other information and resources.

### **BOM Development & Integration Courses (optional certification)**

Develop structured BOM development and integration courses designed to provide students the ability to design, develop, and integrate BOMs. Course would be 50% classroom instruction and 50% hands-on development laboratory. Optional competency testing for BOM certifications will be provided.

## **BOM Partnerships with M&S Industry**

The BOMs leadership team will identify key government and commercial organizations that are or could be key partners in the maturation process of BOMs. This list of target organizations could include further standards organizations, high level major program PEOs, and commercial M&S tool companies. A business case rationale will be developed to convince these key potential BOMs partners that BOMs will be an important enabler in the M&S marketplace. The first phase will be to identify all the potential key partners. The second phase will be to prioritize the potential impact that these partners could have on the acceptance of BOMs in the market and the estimated effort to develop that potential partnership. The third phase will involve developing a focused contact plan and business case presentation geared to that partner's perspective of success. The last phase is to implement those individual contact and presentation plans. Status on the potential partnership analysis, contact plans, and results from the presentations will be shared monthly with the BOMs leadership team.

## **Web-based BOMs Repository(s)**

A key enabler to facilitating the usage of BOMs and realizing the potential benefits of BOMs will be the establishment of one or more repositories that will provide monitored and/or controlled access to existing BOMs. These repositories can contain both certified and uncertified BOMs along with enough information for users to determine the potential usefulness of the BOMs. All certification, access control, and user history will be contained as metadata in the BOMs. Analysis will be performed to determine which existing repositories could be used as BOM repositories and/or should a new specific BOM repository be developed. The repository requirements for storing and distributing BOMs will be developed and approved by the BOMs leadership team.

## **BOM Development Tools**

Develop, and facilitate development of, BOM support tools. One set of tools will be generated and distributed free on the BOMs website to encourage early usage of BOMs. Other more robust and powerful tools will be developed for purchase by commercial companies. The BOMs leadership team will develop partnerships with organizations to develop both sets of tools and will encourage tool developers to adhere to open standards.

## **Certification Testing for BOMs**

An analysis and testing process will be developed to interrogate and assess BOMs for conformance to a set of standard criteria leading to a BOM certification level. This certification will be published (and included in the BOM metadata) as a means of generating usability and quality confidence for potential BOM users.

### **Survey of Early and Potential Adopters**

Develop and distribute at various M&S gatherings a survey collecting information about how to best promote and educate the M&S community about BOMs and their benefits as well as how to best support BOM users. The results of the survey will be posted on the website and used to help make decisions with regards to inclusion in this Transition Plan, resources, and scheduling.