



## Office of Technology Strategies Enterprise Messaging Design Pattern Public Forum January 22, 2015

### Meeting Summary

**Purpose:** The purpose of this Public Forum was to provide an opportunity for VA and external experts and stakeholders to learn about the Enterprise Messaging Design Pattern and provide feedback prior to the Design Pattern's finalization, publication and implementation.

**Background:** The ASD Technology Strategies Design Patterns Team has been soliciting input for the development of the Enterprise Messaging Design Pattern, which is a follow-on installment of the VA Enterprise Service-Oriented Architecture (SOA) Design Pattern approved by the Deputy CIO of ASD in 2014. The development effort involved collaboration with a variety of stakeholders, including internal VA subject matter experts (SMEs), external Government SMEs, industry vendors, and members of academia. This Public Forum represented the final stage of stakeholder engagement in the Design Pattern development process.

**Overview:** The TS Design Pattern Team presented a final draft of this increment of Design Pattern document and discussed next steps for future collaboration. An introduction of the Public Forum was provided by Stephany Perez-Cohen followed by an overview presented by Joseph Brooks, the Government lead for the SOA Enterprise Messaging Design Pattern from the Office of Technology Strategies (TS). Michael Dance of the Design Patterns Team then presented the draft Design Pattern document and covered the details of its content and development. Stakeholders from various vendor companies and internal and external stakeholder organizations, shared their questions, comments, and insights related to the content covered in the presentation.

#### Key Discussion Points:

Key items discussed during the Q&A portion of the public forum are paraphrased and summarized below.

- **Use of Enterprise Design Patterns as artifacts for design and development**
  - Enterprise Design Patterns are not engineering artifacts themselves, but rather, a part of a set of enterprise-level guidance documents that inform the engineering artifacts that lead to a real-life solution. From a project management standpoint, the System Design Document (SDD) is the main artifact that is informed by these documents.
  - Enterprise Design Patterns provide the constraints on the capabilities that are reusable for application development. Projects will collaborate with ASD to identify the available capabilities for implementation based on guidance promulgated by the Enterprise Design Pattern.
  
- **Is complex event processing (CEP) primarily pub/sub or more?**

- The implementation of CEP really varies with vendor products. In the presentation, we clarified that the fundamental pattern of event-driven messaging would be part of the CEP implementation.
  - Dave Beeler (IBM): Usually would refer to pub/sub as simple processing. Complex event processing refers to corralling multiple areas that generates and a document in what is the available what to use.
  - The Design Pattern refers to CEP at a high level, but our group can work together at a later time to develop detailed guidance on event-driven architecture, which leverages CEP.
  - References to implementation guidance will contain additional details on how to implement the event-driven messaging patterns with the eMI
- **Is the ESS message guide posted somewhere?**
    - Ken Laskey is checking with Leema Walls on whether they are deeming the version they have as v.1 or final. If anyone needs to see the document please email: [klaskey@mitre.org](mailto:klaskey@mitre.org)

Key items discussed during the outstanding issues and final thoughts portion of the public forum are paraphrased and summarized below.

- **Slide 21 – Future Increment Discussion / Final Thoughts**
  - Updates will include additional references to implementation guidance that are germane to the current enterprise messaging middleware solutions
  - Starting in February, ASD TS is kicking off an update of the previously approved VA Enterprise SOA Design Pattern, which includes SOA infrastructure capabilities including Enterprise Messaging

**Next Steps:**

The TS Design Pattern Team will finalize the Design Pattern document to address feedback from this Public Forum, and begin formal approval staffing. Updates will include additional inputs regarding architectural guidance and references to implementation guidance. The document will be edited to ensure Section 508 compliance, and the final approved version will be posted onto the ASD TS public-facing website: [http://www.techstrategies.oit.va.gov/docs\\_design\\_patterns.asp](http://www.techstrategies.oit.va.gov/docs_design_patterns.asp)

**Appendices:**

- A. Participant List
- B. Presentation Slide Deck

## Appendix A: Attendee List

Last Name	First Name	Affiliation
Aban	Descartes	BAH
Baggs	Marcus	VA – ASD
Beaufait	John M	VA – PD
Behr	Steven	BAH
Bell	Michael	Constellation West
Beeler	Dave	IBM
Bogden	Nicholas	VA - TS
Brooks	Joseph	VA - TS
Carter	Andrew	VA
Coryell	Walter	VA – TS
Cox	Keith	VA – PD
Cunningham	Robert	VA
Dance	Michael	BAH
Eckroad	Daniel	BAH
Hasedzic	Semir	MPS
Huddleston	Michael	BAH
Laskey	Kenneth	MITRE
Lesniewski	Suzanne	BAH
Lin	David	MITRE
Mahone	Katherine	BAH
Mai	Phuong	CA Technologies
May	Thomas	PwC
Monadizadeh	Shari	BAH
Perez-Cohen	Stephany	MPS
Saxena	Ritesh	IBM
Thomas	Daneeka	VA – TS
Vessels	Perry	HPTI
Vrooland	John	VA – SDE
Weinstein	Kevin	BAH