Head/Envelope Document Exchange Project

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other

Project Details

Domain	Specification Domain
Project Identifier	P1047
Bureau Decision #	#1711041, #1812043; #2003081; #2006001; #2006018
Project Proposal Status	Official
Project Page	Header/Envelope Document Exchange Project
Supporting VC	Marek Laskowski
Project Lead	Anders Grangard, Kenneth Bengtsson
HoD Support	DE / JP / NL
Status	Completed
Version	1.0
Submitted date	2016-09-27
Draft Development Completion	2017-05-01
Publication Date	2017-10-01

Project Purpose

The Standard Business Document Header, SBDH, was developed by UN/CEFACT in 2004 to facilitate internal routing and management of EDI and other business document files, primarily in applications where documents are being exchanged directly between two systems.

The Business Document Envelope, BDE, was developed by OASIS in 2015 to facilitate routing of business document files across networks with multiple gateways (also known as 4-cornered architectures).

Business document headers and envelopes provide a standardized semantic layer enabling business applications and document exchange gateways to determine logical routing and addressing information for processing the exchange of business documents between multiple parties.

A document header works by adding additional standardized document headers to an existing document, whereas a document envelope separates the semantic information from the document and carries the document within it as a payload.

Some of the principal functional differences between an envelope and a header are that the envelope may carry in it more than one payload at a time, and it can maintain its content confidential while being transported over a network with multiple gateways.

The two specifications, although using different technical approaches, address to a large extent the same application area. This risks increasing the cost in global document exchange by forcing users to apply different software for different business partners.

Project Scope

The project will explore if a joint technical specification can be developed that will outline:
- a single Header/Envelope Technical Specification
- where a header technology and where envelope technology would be applied
- the relationship with CCL and CCTS [spell out]
- how it could be used with, and how it would be agnostic to transport protocols, including AS2, ebMS and web services (including AS4)
- how it would be agnostic to payload content
- the implications on the current user base including migration guidance, if applicable

A proof of concept based on a draft of the deliverables outlined in chapter 3 should be carried out by a minimum of three independent implementations, demonstrating interoperability.

Out of Scope: The project will not include the use of newer exchange technologies and environments, such as cloud computing, APIs and mobile devices, except to prove being agnostic to transport technologies in general. If required, this will be set up as a separate project.

Project Deliverables

Option 1: Upon assessing that a joint technical specification can be developed, deliverables from this project would include:
- A technical specification based on the current version of SBDH and BDE
- Proof of concept reports / Statements of Use
- Migration guidelines

Option 2: Upon assessing that a joint technical specification cannot or does not need to be developed, the deliverable would be a technical report.

Exit Criteria

Option 1: Upon assessing that a joint technical specification can be developed, deliverables from this project would include:
- A technical specification based on the current version of SBDH and BDE
- Proof of concept reports / Statements of Use
- Migration guidelines

Option 2: Upon assessing that a joint technical specification cannot or does not need to be developed, the deliverable would be a technical report.

Project Team Membership and Required Functional Expertise

Membership is open to UN/CEFACT Experts and OASIS BDXR Members with broad knowledge in the area of standardised electronic document exchange.

The project will follow the UN/CEFACT Open Development Process, ODP , and include at least one public review as required by OASIS (https://www.oasis-open.org/policies-guidelines/tc-process).

Geographical Focus

The geographical focus is global.

Initial Contributions

The contributions submitted with this proposal include:
- UN/CEFACT Standard Business Document Header version 1.3
- OASIS Business Document Envelope version 1.1
- AS2, ebMS and AS4 Technical Specifications
- Core Components Technical Specification version 2.01
- Core Components Business Document Assembly version 1.0
- OASIS Business Document Naming and Design Rules version 1.0
- UN/CEFACT XML Naming and Design Rules, version 2.1

Resource Requirements

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Project Proposal Files

File	Modified
PDF File 161010-3a M+T SBDH project proposal.pdf	Jan 26, 2017 by Lance Thompson
PDF File 170206-3x M+T SBDH - NL HoD support.pdf	Mar 28, 2018 by Malik
PDF File 161107-3x Header-Envelope Doc Exchange_ HoD support_Denmark.pdf	Mar 28, 2018 by Malik
PDF File 161219- 3x M+T SBDH - JP HoD support.pdf	Mar 28, 2018 by Malik

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