

## AS4 Technical Requirements Overview

<http://www.oasis-open.org/committees/download.php/28252/AS4%20Technical%20Overview.doc>

- Generalized mapping of AS2 functionality onto ebMS 3.0/Web services platform. This is an ebMS 3.0 constraining profile. However, there will be some points of extension and value-add above both AS2 and Core ebMS 3.0.
- Use SOAP 1.1 enveloping structure
- Use SOAP w/Attachments for payload packaging. No payloads in the SOAP body.
- Maintain the use of ebMS 3.0 header mapping as much as possible. Are there known headers that are currently not supported/available in ebMS 3.0 needed for AS4 (e.g. indication of a test messages, etc.)?
- Default the eb:Role and eb:Action headers
- Support for multiple payloads
- All user payloads are agnostic with respect to SOAP actions or operations defined in the WSDL.
- Need to decide some things about WSDL support
  - Is a WSDL definition required?
  - Can it be optional?
  - What are the minimum things needed to be defined in the WSDL?
  - Defines only theB2B integration point, and not the integration API with the MSH
- Bitwise support for signed, encrypted, and compressed messages. Think union between AS2 and the CDC and STAR ebMS 2.0 industry profiles.
- Support for X.509 security tokens only and detached signatures.
- Use of BPSS for eb:Receipts as business non-repudiation
- Support for the One-Way/Push, the Two-way/Push-and-Push, and the One-Way/Pull MEPs only.
- RM support to include: receipts, timeouts, retries, and duplicate detection. Need to decide if WSRM compliance is necessarily for this “just enough” approach to RM.
- Do we need WS-Addressing for anything?
- Is error message/code definition in ebMS 3.0 sufficient, or do we need to constrain and/or extend the error handling definitions?