Business To Manufacturing Markup Language

B2MML –Confirm BOD

Version 0500 – March 2011

Confirm BOD Schema Documentation

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Change History:

Change	Date	Person	Description
V04	04 June 2007	Dennis Brandl	• Initial version with transaction elements
V0401	Oct 2008	Dennis Brandl	• Changed version number
V0500	Mar 2011	Dennis Brandl	Updated version number documentation and WBF name in copyright. No other changes made.

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1 Schema Scope

This document defines the information about process segment definitions that may be exchanged between business systems and manufacturing operations systems. This information is based on the data models and attributes defined in the ANSI/ISA 95.00.02 Enterprise/Control System Integration standard. Contact ISA (The Instrumentation, System, and Automation Society) for copies of the standard. Additional information on the standard is available at www.isa.org.

1.1 Key Information Assumptions

The data represented in these schemas is derived from the model defined in the ANSI/ISA 95.00.05 standard and based on a subset of information defined in the OAGiS ConfirmBOD schema definition.

This schema uses a common schema for definition of elements that are used in multiple schemas. See the document defining the WBF95Common schema for definition of the common elements.
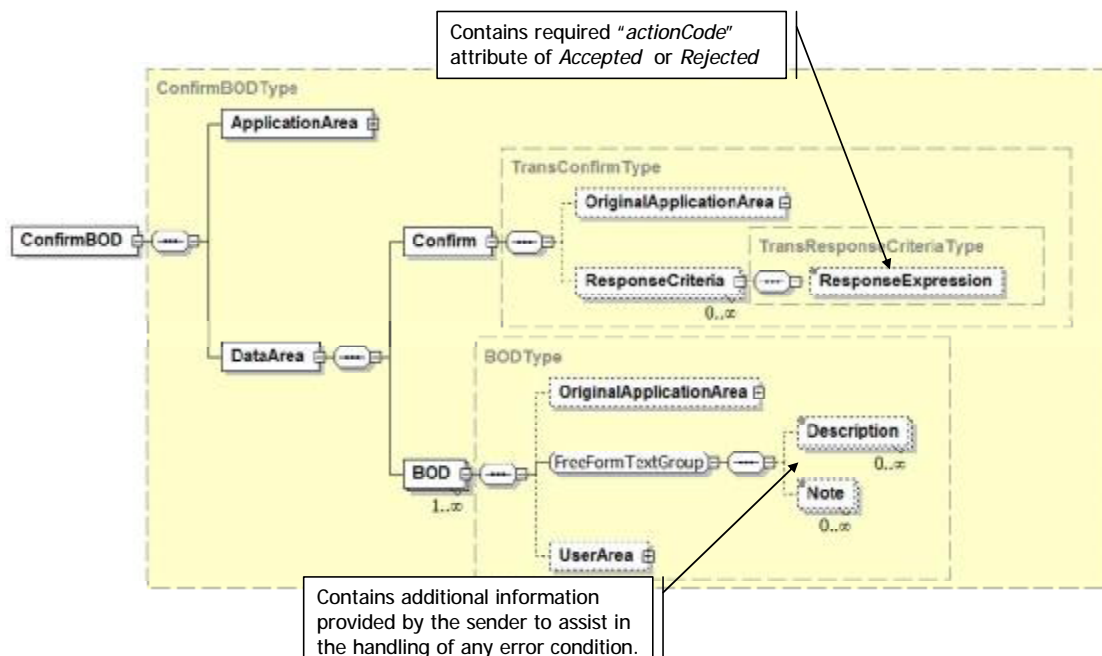
The ConfirmBOD message is a general response message that may be sent as a response from any other
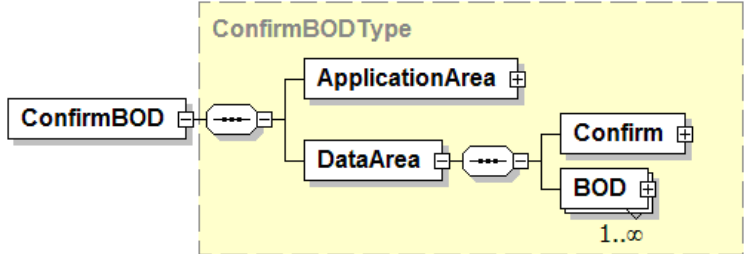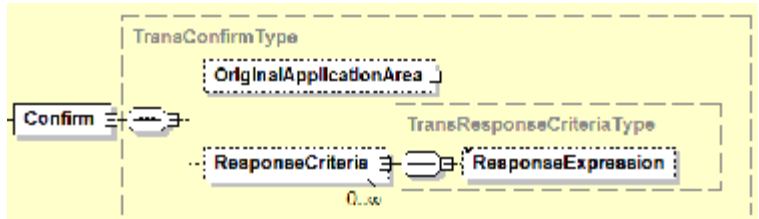
1.2 BOD
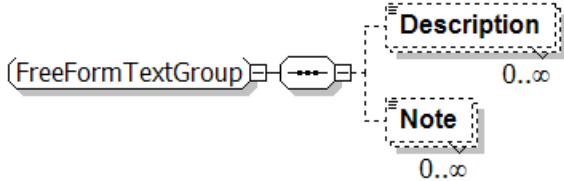
A BOD is a general data type used to hold response information for a confirm message.

1.3 ConfirmBOD

The ConfirmBOD is the message that is returned when the confirmation option is specified in a message. The actual status of the response is contained in the **actionCode** attribute in the **Confirm.ResponseCriteria.ResponseExpression**.   Addition information may be contained in the **Description** and **Note** areas in the **BOD**.

Contains required "*actionCode*" attribute of *Accepted* or *Rejected*

Contains additional information provided by the sender to assist in the handling of any error condition.

2 Element Definitions

Element/Type	Description
ConfirmBOD	The ConfirmBOD is a complex type that contains an application area and data area. The data area contains a Confirm element and a BOD element.
TransConfirmType	The **TransConfirmType** contains a copy of the original application area sent on the message requesting confirmation. It also contains a **ResponseCriteria** that contains a **ResponseExpression** that contains a **actionCode** attribute with the confirmation status.
BOD	A general type that is used to contain additional return status information.
FreeFormTextGroup	A group of Descriptions and Notes that are related and contain additional return status information.

3 Transaction Elements

The following elements are defined to support the ISA 95 Part 5 transactions, using the transaction data types defined in the B2MML-Common.xsd schema.

Process Segment Information Elements	Description
ConfirmBOD	Confirmation status return from another transaction message.

4 B2MML - OAGiS Differences

There are several elements defined in the OAGiS 9.0 specification that are not included in the B2MML specification. The following figure illustrates the elements in OAGiS that are not included in B2MML. These include BODFailureMessage, BODSuccessMessage, and PartialBODFailreMessage elements.
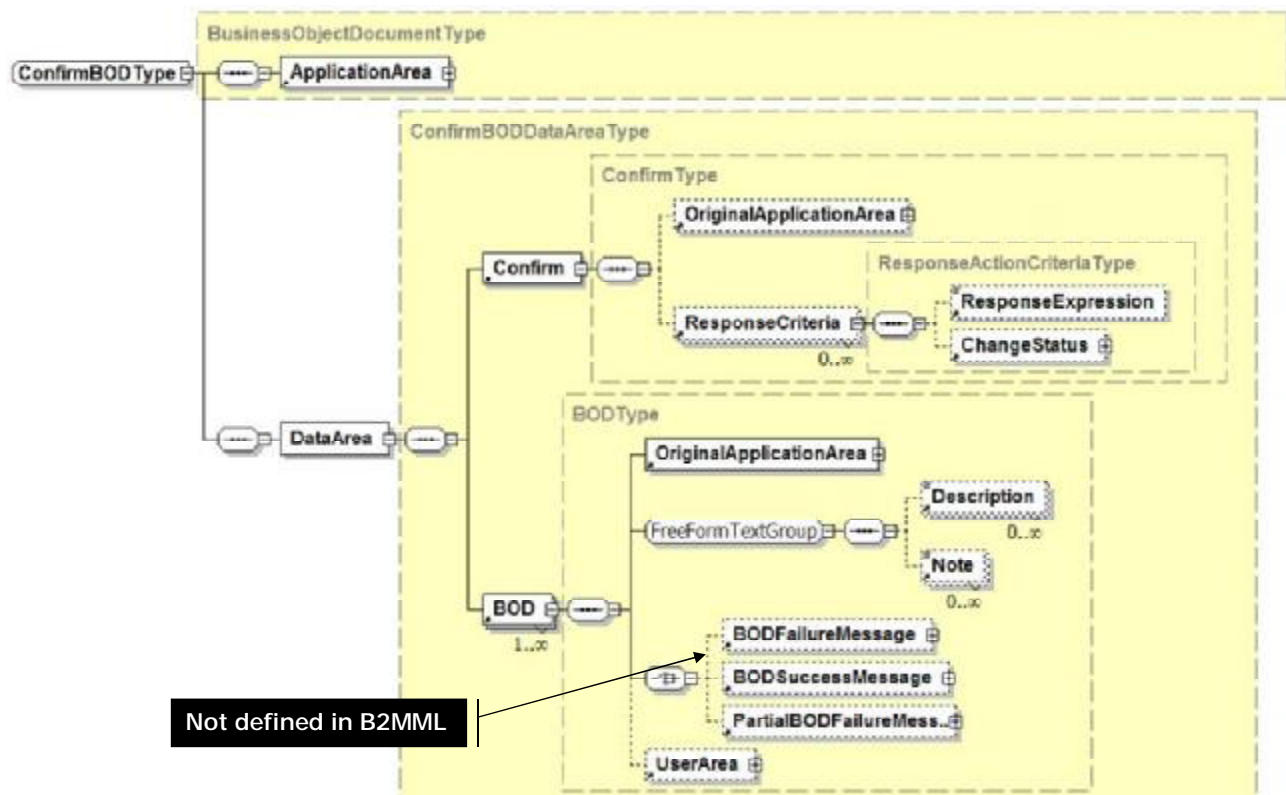
5 Diagram Convention

The schema diagrams using the following convention to illustrate the structure of the schema elements, the type of the elements and attributes, and the rules for optional elements and repetition.

Name of an element or element type	
AddressType	
Indicates fixed order of elements	
Indicates elements	
Indicates 1 instance only — Address	
Indicates 1 to many instances — Person 1..∞	
Indicates 0 or 1 instance only — Address	
Indicates 0 to many instances — Person 0..∞	
Indicates selection of alternatives	
Indicates contained elements	
Indicates no contained elements	