

## **2. CONFIRM BOD - REVISION 004**

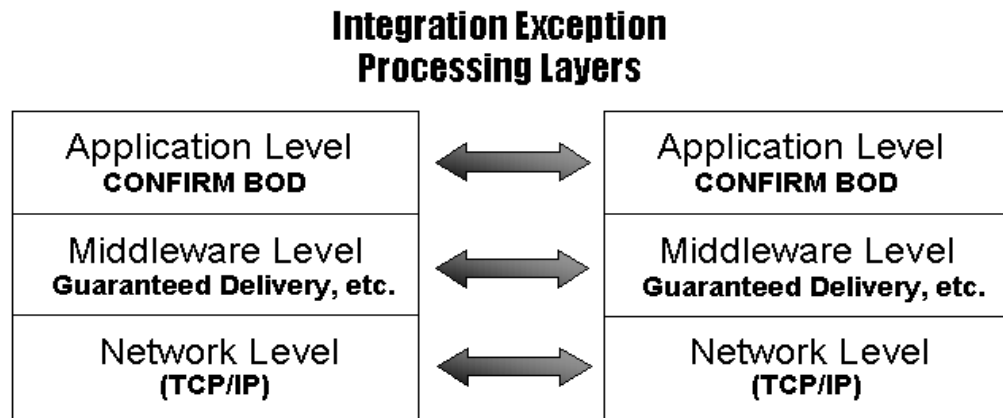
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### **2.0 Overview**

The purpose of the CONFIRM BOD is to add a layer of software application to software application exception capability to the integration solution. The CONFIRM BOD does this by providing a mechanism for the business software layers to communicate to each other in addition to the confirmation mechanisms that may be provided with any middleware tools involved in the solution.

This is important to ensure that the applications or components have a mechanism to speak their own language to each other for instances where the receiving application needs to communicate it's native or agreed upon error or informational messages to an integrated partner application or component.

The diagram below pictures the three primary layers of exception processing in an integration solution and where the CONFIRM BOD fits in:



The types of messages that could be communicated in this way include but are not limited to:

- 1) Ensuring that the message was received and understood within the application or component,
- 2) Communicating error conditions at the application level such as a field is missing, a customer does not exist, etc.
- 3) Communicating that a critical update was successful (or unsuccessful), such as an update to inventory, credit balance, or Ledger balance.

**SPECIAL NOTE:** It is strongly recommended that any integration scenario that requires a high order of application data integrity use the CONFIRM BOD for that scenario.

The use of the CONFIRM BOD is controlled using a confirmation indicator set by the sending business software application or component. This is accomplished by setting the Confirmation Indicator (CONFIRMATION) in the Control Area of the originating BOD to:

- 0 = Do not send back a confirmation Business Object Document
- 1 = Send back a confirmation Business Object Document only if an error has occurred
- 2 = Send a confirmation Business Object Document regardless

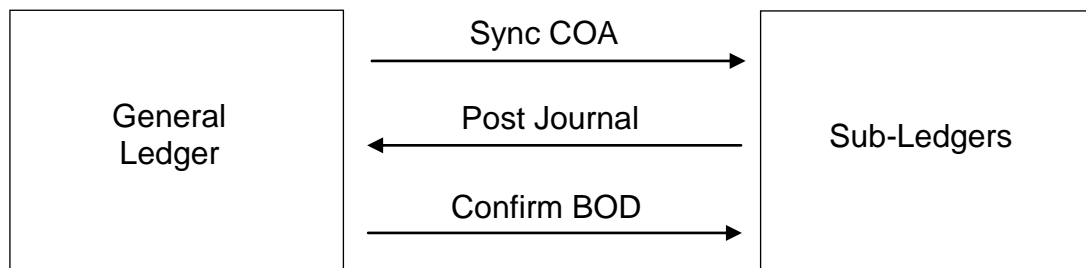
Free-form error messages are carried back to the Sender in the Business Data Area, and if possible, acknowledging the language code that was sent in the Control Area in the original Business Object Document.

**Processing Notes:**

For the case when multiple instances of data are sent in a BOD, and most succeed but one or more fail, this CONFIRM BOD would be sent if the confirmation indicator in the original BOD CONTROL AREA is set to "1".

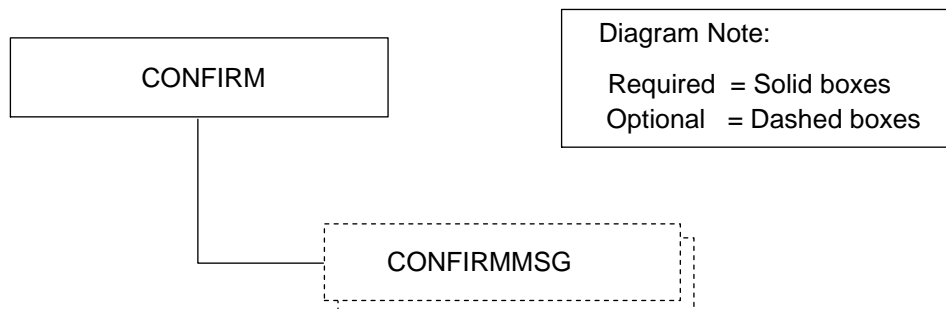
For the case when one wishes to have a single CONFIRM BOD for each instance of data sent, it is recommended that one send a single instance of data in each BOD so that the CONFIRM BOD returned will refer to just that instance of data.

This BSR may be used individually, or as part of a larger interface scenario. The picture below visualizes one possible use of this BSR.



## 2.1 Confirm BOD

The CONFIRM BOD Business Object Document consists of the following Data Types:



1. **CONFIRM** - Information used to communicate the status of the corresponding BOD. This Data Type is used to communicate whether the BOD received was understood and processed successfully by the business application. This Data Type is required.
2. **CONFIRMMSG** – Information used to communicate messages from the system sending the CONFIRM BOD. This Data Type is optional. One instance of this Data Type occurs for each REASONCODE sent.

## 2.2 CONFIRM

The Data Type, "CONFIRM", is the first Data Type the Business Service Request "CONFIRM BOD" uses.

Listed are all the Field Identifiers and Segments that are valid for use within the CONFIRM Data Type.

The first table represents required data.

REQUIRED CONFIRM DATA	
NAME	APPENDIX
CNTROLAREA	D
STATUSLVL	C

### Processing Note:

The CNTROLAREA Segment in the CONFIRM Data Type is the CNTROLAREA Segment contained in the originating BOD that this instance of the CONFIRM BOD is reporting against.

The CNTROLAREA is the Globally Unique Identifier (GUID) for all BODs. See OAGIS Section One Chapter Two for details.

The second table describes data that is optional.

OPTIONAL CONFIRM DATA	
NAME	APPENDIX
DESCRIPTN	C
ORIGREF	C
USERAREA	C

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## 2.3 CONFIRMMSG

The Data Type, "CONFIRMMSG", is the second Data Type used in the Business Service Request "CONFIRM BOD". CONFIRMMSG contains the messages sent by the original receiving application back to the originating application.

Each instance of the CONFIRMMSG Data Type carries one REASONCODE for each error in the original BOD referenced by the CNTROLAREA. If multiple errors occur in the original BOD, multiple occurrences of the CONFIRMMSG may be carried, one for each error message. If the original BOD is able to be processed, but warning messages occur, this information may be carried in the CONFIRMMSG Data Type as well.

Listed are all the Field Identifiers and Segments that are valid for use within the CONFIRMMSG Data Type. There are no required fields for the CONFIRMMSG Data Type.

OPTIONAL CONFIRMMSG DATA	
NAME	APPENDIX
DESCRIPTN	C
REASONCODE	C
USERAREA	C