

69. GET BOM - REVISION 004

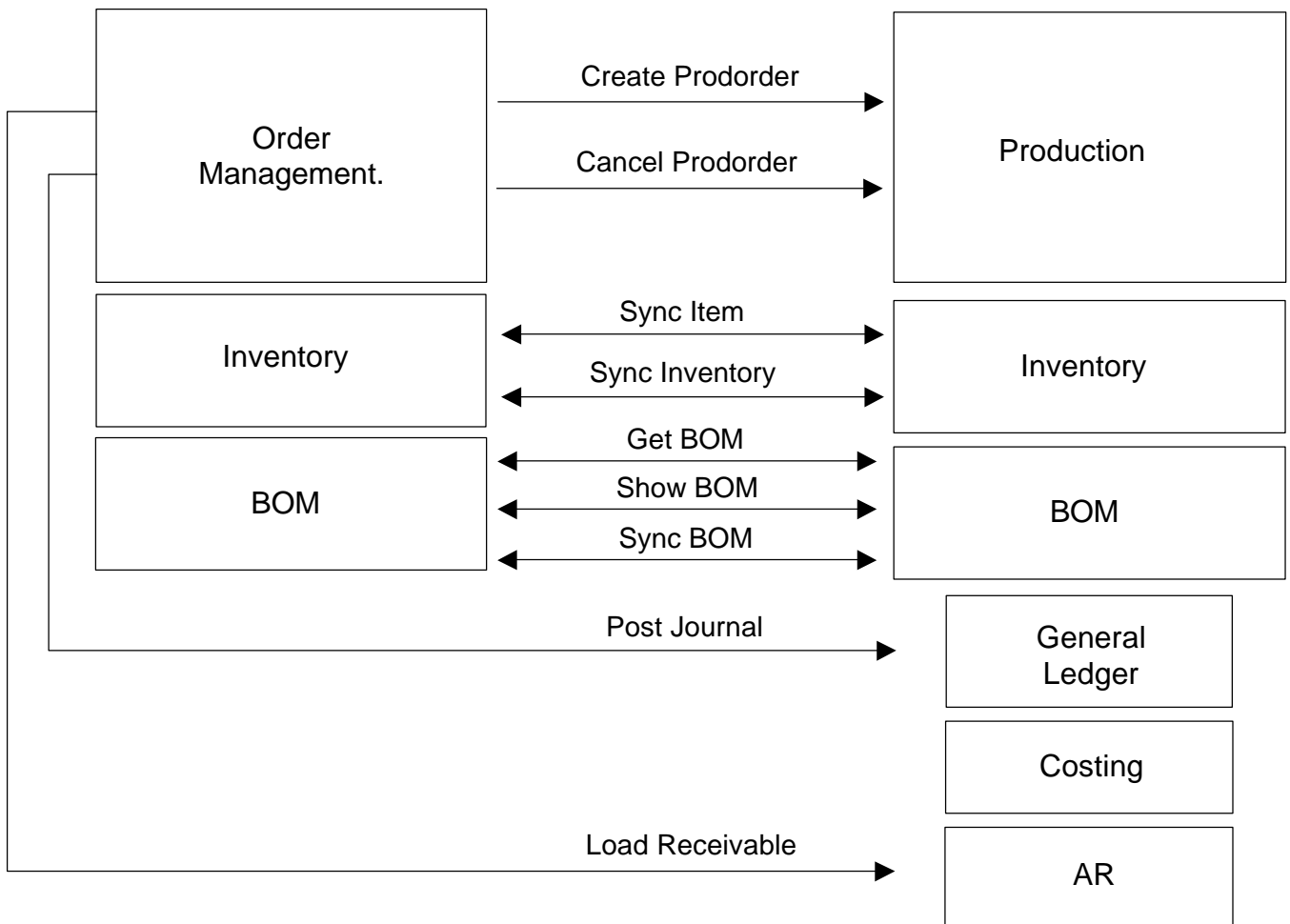
69.0 Overview

This chapter describes the Business Service Request named GET BOM, the Verb being GET and the Noun being BOM. BOM stands for Bill of Material. The environment for this BSR can be within the enterprise or outside the enterprise.

The purpose of the GET BOM Business Service Request is to enable an application to request specific Item Bill of Material information from another business application module. The response to the GET BOM is the SHOW BOM.

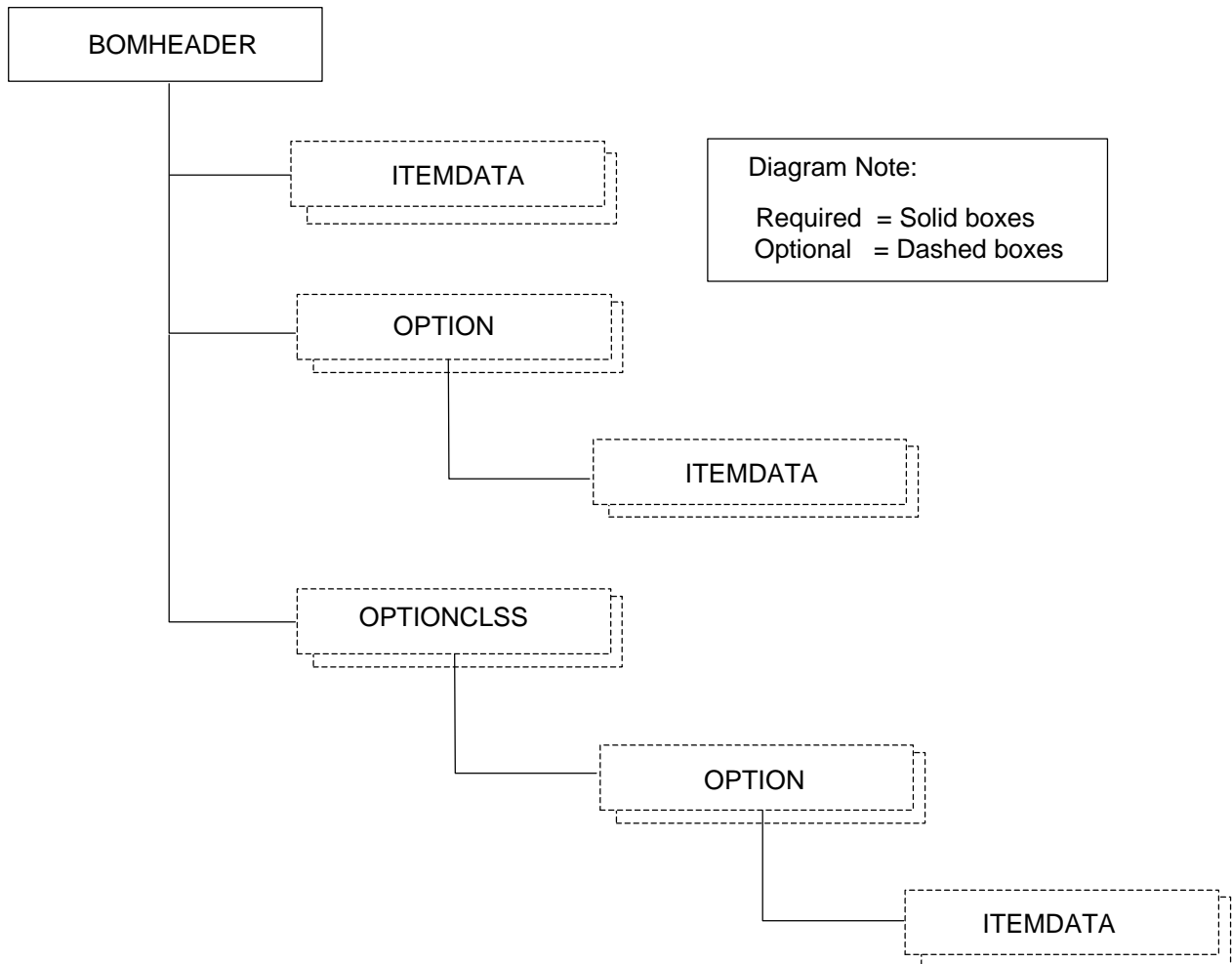
There are many possible business applications in several environments that may use this capability. For example, an MRP, Inventory, or Manufacturing business application could use this to communicate Item Bill of Material information.

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



69.1 Get BOM

The GET BOM Business Object Document consists of the following components:



The Business Service Request GET BOM uses the following Data Types:

1. **BOMHEADER** - Information that generally describes the Bill of Material Structure and it's contents. This Data Type is required.
2. **ITEMDATA** - Information that describes the attributes of a specific item. This Data Type is optional.
3. **OPTION** - Information that describes the attributes of a specific OPTION within a classification. This Data Type is optional.

4. **OPTIONCLSS** - Information that describes the class of OPTION for a particular Product or Item. This Data Type is optional.

Processing Notes:

For any Data Type except the BOMHEADER, if the Data Type is included in this GET, it will be empty of Field Identifiers. This will signify to the responding application that all of the data that corresponds to that Data Type is to be included in the response.

This is to be coded in the meta data by including the Data Type identifier, zero occurrences, and no Field Identifiers.

69.2 BOMHEADER

The Data Type, "**BOMHEADER**", is the first Data Type the Business Service Request "**GET BOM**" uses.

Listed are all the Field Identifiers and Segments that are valid for use within the BOMHEADER Data Type. The first column of the table indicates the name. Segment names also include the Qualifier in parenthesis.

The second column indicates in which OAGIS Appendix the data is described, basically if the data is a Field Identifier or a Segment. Details of the Field Identifiers can be located in Appendix C, and details of the Segments can be located in Appendix D. The first table represents required data.

REQUIRED BOMHEADER DATA	
NAME	APPENDIX
BOMID	C
BOMNAME	C
BOMTYPE	C
ITEM	C

Processing Notes:

These are selection fields. Of the required fields shown in the table above, either BOMNAME, ITEM, or BOMID and BOMTYPE are required, but not all of them are required.

The second table describes data that is optional. These fields are present as an example of what may be returned in the SHOW BOM response.

OPTIONAL BOMHEADER DATA	
NAME	APPENDIX
BOMALTID	C
BOMREVISION	C
BOMSTATUS	C
BOMUSAGE	C
DATETIME(EFFECTIVE)	D
DATETIME(EXPIRATION)	D
DESCRIPTN	C
ITEMRV	C
NOTES	C
PROPERTY1 - PROPERTY99	C
QUANTITY(BATCHSIZE)	D
SITELEVEL1 - SITELEVEL9	C
TRAKNGFLAG	C
USERAREA	C

69.3 ITEM DATA

The Data Type “**ITEM DATA**” describes a particular ITEM within a product or Bill of Material structure. The ITEM DATA Data Type is optional. Listed are all the Field Identifiers and Segments that are valid for use within the ITEM DATA Data Type.

This Data Type is only used to identify that the requested information concerning the purchase order is needed. No Field Identifiers can be used to request information in this usage.

This is to be coded in the meta data by including the Data Type identifier, zero occurrences, and no Field Identifiers. The Field Identifiers within each Data Type are only included to clarify what can be expected to be returned.

OPTIONAL ITEM DATA DATA	
NAME	APPENDIX
CONSUMPTN	C
DATETIME(EFFECTIVE)	D
DATETIME(EXECFINISH)	D
DATETIME(EXECSTART)	D

OPTIONAL ITEM DATA DATA	
NAME	APPENDIX
DESCRIPTN	C
FIXDQTYIND	C
ITEM	C
ITEMRV	C
ITEMTYPE	C
LOTLEVEL1 - LOTLEVEL2	C
NOTES	C
OPERATNID	C
OPERATNSEQ	C
PROPERTY1 - PROPERTY99	C
QUANTITY(ITEM)	D
QUANTITY(LDTMOFFSET)	D
QUANTITY(LOTSIZEMAX)	D
QUANTITY(LOTSIZEMIN)	D
QUANTITY(LOTSIZEMLT)	D
QUANTITY(PERCENTREQ)	D
REPRTGFLAG	C
SCRAP	C
SERIALNUM	C
TRAKNGFLAG	C
USERAREA	C

69.4 OPTION

The Data Type “**OPTION**” describes a particular OPTION for a product. This Data Type is optional. Listed are all the Field Identifiers and Segments that are valid for use within the OPTION Data Type.

This Data Type is only used to identify that the requested information concerning the purchase order is needed. No Field Identifiers can be used to request information in this usage.

This is to be coded in the meta data by including the Data Type identifier, zero occurrences, and no Field Identifiers. The Field Identifiers within each Data Type are only included to clarify what can be expected to be returned.

OPTIONAL OPTION DATA	
NAME	APPENDIX
DEFAULT	C
DESCRIPTN	C
EXCLUSIVE	C
NOTES	C
OPTIONID	C
OPTIONNAME	C
USERAREA	C

69.5 OPTIONCLSS

The Data Type “**OPTIONCLSS**” represents information about a specific class of **OPTION**. The **OPTIONCLSS** is an optional Data Type. Listed are all the Field Identifiers and Segments that are valid for use within the **OPTIONCLSS** Data Type.

This Data Type is only used to identify that the requested information concerning the purchase order is needed. No Field Identifiers can be used to request information in this usage.

This is to be coded in the meta data by including the Data Type identifier, zero occurrences, and no Field Identifiers. The Field Identifiers within each Data Type are only included to clarify what can be expected to be returned.

OPTIONAL OPTIONCLSS DATA	
NAME	APPENDIX
DESCRIPTN	C
EXCLUSIVE	C
MANDATORY	C
NOTES	C
OPTCLSNAME	C
OPTCLSSID	C
USERAREA	C