

61. SYNC ITEM - REVISION 002

61.0 Overview

This chapter describes the Business Service Request named SYNC ITEM, the Verb being SYNC and the Noun being ITEM. The environment for this BSR can be within the enterprise or outside the enterprise.

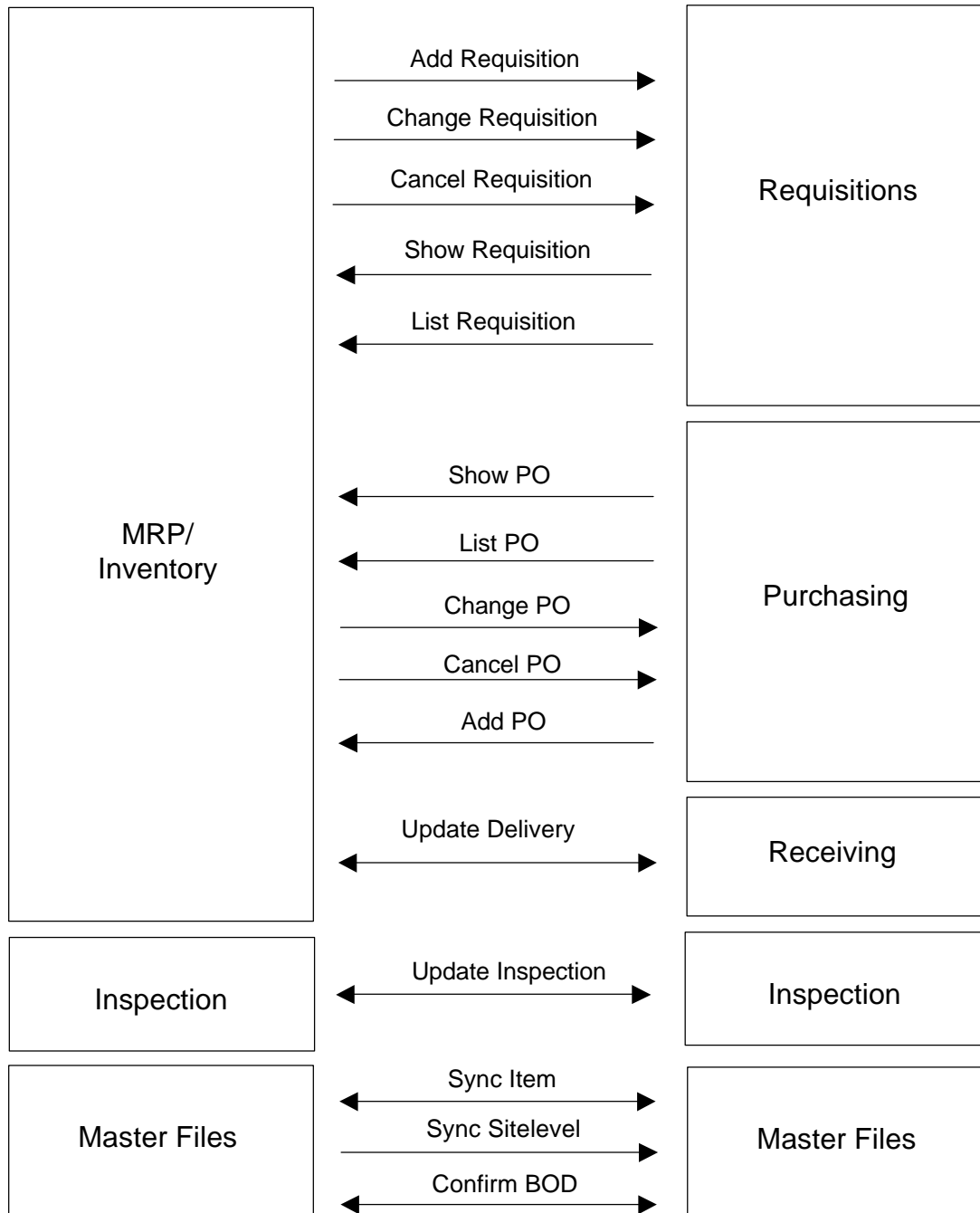
The purpose of the SYNC ITEM Business Service Request is to supply Item information for goods or services to another business application module. This BSR may also be initiated by the sending system upon some event occurring.

This Business Service Request is not for synchronizing ITEM quantities at each inventory location. The SYNC INVENTORY Business Service Request is used for this purpose.

There are many possible business applications in several environments that may use this capability. For example, a MRP, Inventory, or Manufacturing business application could use this to communicate item information.

This BSR can be used to synchronize items used in finished goods, raw materials, work-in-process or components in a bill of materials.

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.

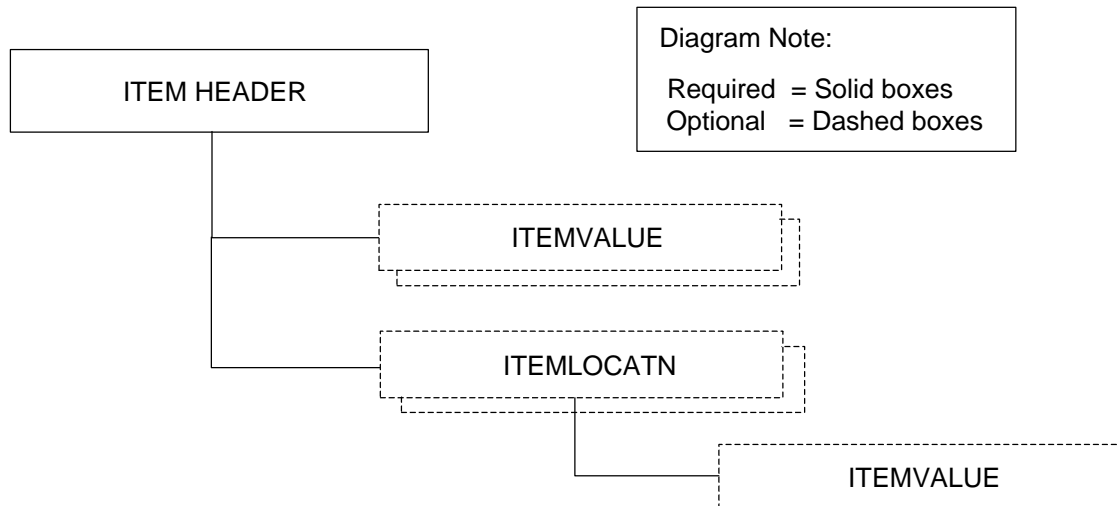


Processing Note for diagram:

The Sync Item BOD is bi-directional, but only one of the business applications can "own" the item. One must control the key attributes of the item such as Item Number and Item Description.

61.1 Sync ITEM

The SYNC ITEM Business Object Document and consists of the following components:



The Business Service Request SYNC ITEM uses the following Data Types:

1. **ITEMHEADER** - Information that generally describes the Item and its attributes. This Data Type is required.
2. **ITEMLOCATN** - Information that describes the location(s) the Item may be kept and the attributes of that location in relation to the Item. This Data Type is optional.
3. **ITEMVALUE** - Attributes of cost or value for the Item. This Data Type is optional.

61.2 ITEMHEADER

The Data Type, “**ITEMHEADER**”, is the first of three Data Types the Business Service Request “**SYNC ITEM**” uses. For each item represented in the Business Data Area, there must be one occurrence of the ITEMHEADER Data Type at the beginning of each Business Data Area.

Listed are all the Field Identifiers and Segments that are valid for use within the ITEMHEADER 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 ITEMHEADER DATA	
NAME	APPENDIX
ITEM	C
ITEMTYPE	C
SYNCIND	C
UOM	C

Processing Note:

The Unit of Measure (UOM) field identifier refers to the stocking unit of measure and is the only unit of measure addressed for synchronization in this Business Service Request.

The units of measure values are user defined.

The second table describes data that is optional.

OPTIONAL ITEMHEADER DATA	
NAME	APPENDIX
BOMID	C
BOMREVISION	C
COMMODITY1 - COMMODITY3	C
CONTRACTB	C
CONTRACTS	C
DATETIME(CREATION)	D
DESCRIPTN	C
DRAWING	C
GLENTITYS	C
GLNOMACCT	C
HAZRDMATL	C
ITEMCLASS	C
ITEMDEFN	C
ITEMDESC	C
ITEMRV	C
ITEMSTATUS	C

OPTIONAL ITEMHEADER DATA	
NAME	APPENDIX
LOTLEVEL1 - LOTLEVEL2	C
LOTSNFLAG	C
NOTES	C
PARTNRID	C
PRODCTLINE	C
PROPERTY1 - PROPERTY99	C
QUANTITY(AVGRUNSIZE)	D
QUANTITY(LOTSIZEMAX)	D
QUANTITY(LOTSIZEMIN)	D
QUANTITY(LOTSIZEMLT)	D
QUANTITY(SHELFLIFE)	D
UPC	C
USERAREA	C
WARRANTY	C

Processing Note:

The BOMID and BOMREVISION are used to define the default Bill of Material the ITEM resides on, if applicable.

Although the PROPERTY1 - PROPERTY99 Field Identifiers may hold any attributes of the ITEM, in this case it is intended that PROPERTY1 - PROPERTY99 may be also used to store the identifier of the variant, slash, or dash number.

61.3 ITEMLOCATN

The Data Type “**ITEMLOCATN**” represents the information about the Item at each location where it occurs. Listed are all the Field Identifiers and Segments that are valid for use within the ITEMLOCATN Data Type.

The first table represents required data.

REQUIRED ITEMLOCATN DATA	
NAME	APPENDIX
ITEM	C
SITELEVEL1	C

The second table describes data that is optional.

OPTIONAL ITEMLOCATN DATA	
NAME	APPENDIX
BOMID	C
BOMREVISION	C
DRAWING	C
HAZRDMATL	C
LOTLEVEL1 - LOTLEVEL2	C
NOTES	C
PACKING	C
PROPERTY1 - PROPERTY99	C
QUANTITY(LOTSIZE MAX)	D
QUANTITY(LOTSIZE MIN)	D
QUANTITY(LOTSIZE MLT)	D
SERIALNUM	C
SITELEVEL2 - SITELEVEL9	C
UOM	C
UPC	C
USERAREA	C

Processing Note:

The BOMID and BOMREVISION are used to define the default Bill of Material the ITEM resides on, if applicable.

61.4 ITEMVALUE

The Data Type “**ITEMVALUE**” represents the monetary valuation information concerning an item. The ITEMVALUE is an optional Data Definition Area. Listed are all the Field Identifiers and Segments that are valid for use within the ITEMVALUE Data Type.

The first table represents required data.

REQUIRED ITEMVALUE DATA	
NAME	APPENDIX
COSTTYPE	C
GLENTITYS	C
GLNOMACCT	C

REQUIRED ITEMVALUE DATA	
NAME	APPENDIX
OPERAMT(UNIT)(F)	D
VALUECLASS	C

Processing Notes:

Either the VALUECLASS or the GLNOMACCT is required in the ITEMVALUE Data Type, but they are not both required.

The OPERAMT(UNIT)(F) represents the ITEM cost.

The second table represents optional data.

OPTIONAL ITEMVALUE DATA	
NAME	APPENDIX
DATETIME(EFFECTIVE)	D
DATETIME(EXPIRATION)	D
DESCRIPTN	C
NOTES	C
OPERAMT(UNIT)(T)	D
USERAREA	C

Processing Note:

The OPERAMT(UNIT)(T) represents the ITEM price.