

65. UPDATE PRODUCTREQ - REVISION 002

65.0 Overview

This chapter describes the Business Service Request named UPDATE PRODUCTREQ, the Verb being UPDATE and the Noun being PRODUCTREQ.

The purpose of the UPDATE PRODUCTREQ Business Service Request is to enable a business application such as Order Management to reserve a quantity of goods or services for a specific date and time. The business process scenario is the Order Management application interacting with the Available to Promise or Production application in order to determine availability of a product for the customer.

This scenario is commonly referred to as Make to Order or Build to Order.

The UPDATE PRODUCTREQ accomplishes this task in a two step process within this one request:

1. First the receiving business application checks to see if an item is available in sufficient quantity by a specific date and time.
2. The receiving business application then reserves that quantity of inventory for that specific date and time combination if the product is available.

If the product requested is not available,

The responding application may send one of two responses:

1. A CONFIRM BOD to confirm the denial of the request.

2. A SHOW PRODAVAIL to communicate an alternative product availability. This may be ITEM, DATE, or QUANTITY, or a combination of these. This may also be accompanied with a message in the NOTES field Identifier stating that this is an alternative.

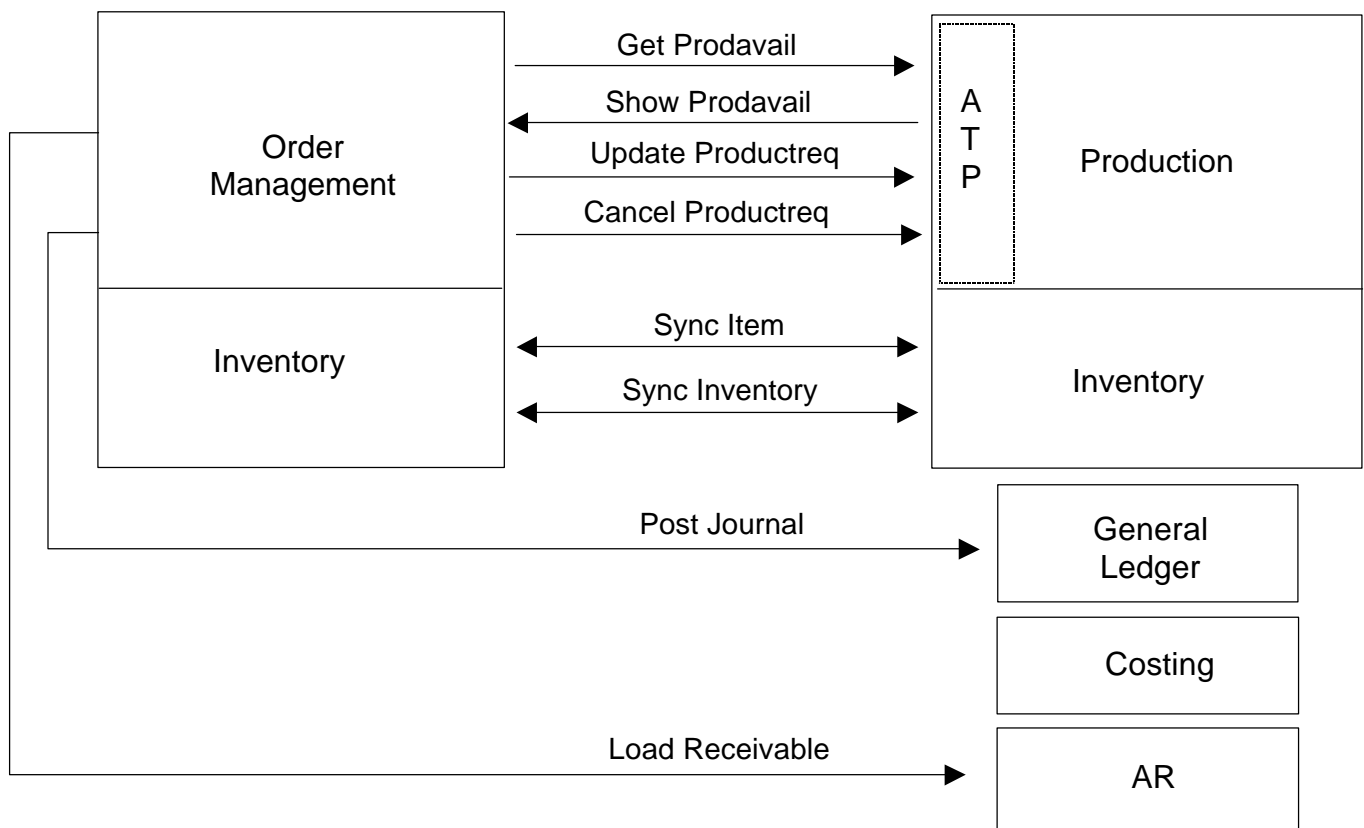
If the product requested is available:

The responding application may send a CONFIRM BOD Business Service Request to confirm the execution of the request.

This BSR will likely cause updates to occur.

This BSR may be used individually, or as part of a larger interface scenario. The GET PRODAVAIL and SHOW PRODAVAIL may be used before an UPDATE PRODUCTREQ, but they are not required.

The picture below visualizes one integration scenario in which this BSR may be used.



65.1 UPDATE PRODUCTREQ

The UPDATE PRODUCTREQ Business Object Document consists of the following Data Type:

1. **PRODUCTAVL** - Information necessary to show the relevant data concerning a products' availability. This Data Type is required.

65.2 PRODUCTAVL

The Data Type, "PRODUCTAVL", is the only Data Type the Business Service Request "UPDATE PRODUCTREQ" uses.

Listed are all the Field Identifiers and Segments that are valid for use within the PRODUCTAVL 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 PRODUCTAVL DATA	
NAME	APPENDIX
DATETIME(AVAILABLE)	D
ITEM	C
QUANTITY(ITEM)	D
SITELEVEL1	C

Processing Note:

The DATETIME(AVAILABLE) is the date and time the product is available at the plant before it is prepared for shipping. See Appendix D.

The second table describes data that is optional.

OPTIONAL PRODUCTAVL DATA	
NAME	APPENDIX
DATETIME(EFFECTIVE)	D
GLENTITYS	C
ITEMDESC	C
ITEMRV	C
LOTLEVEL1 - LOTLEVEL2	C
NAME1 - NAME9	C
NOTES	C
PRDLINENUM	C
PRODTLINE	C
PRODORDID	C
PROPERTY1 - PROPERTY99	C
SALESORDID	C
SERIALNUM	C
SITELEVEL2 - SITELEVEL9	C
SOLINENUM	C
USERAREA	C