

63. GET PRODAVAIL - REVISION 002

63.0 Overview

This chapter describes the Business Service Request named GET PRODAVAIL, the Verb being GET and the Noun being PRODAVAIL.

The purpose of the GET PRODAVAIL Business Service Request is to enable requests of product availability data by an Order Management business application to an Available to Promise (ATP) or Production business application. 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 response to this request is the SHOW PRODAVAIL.

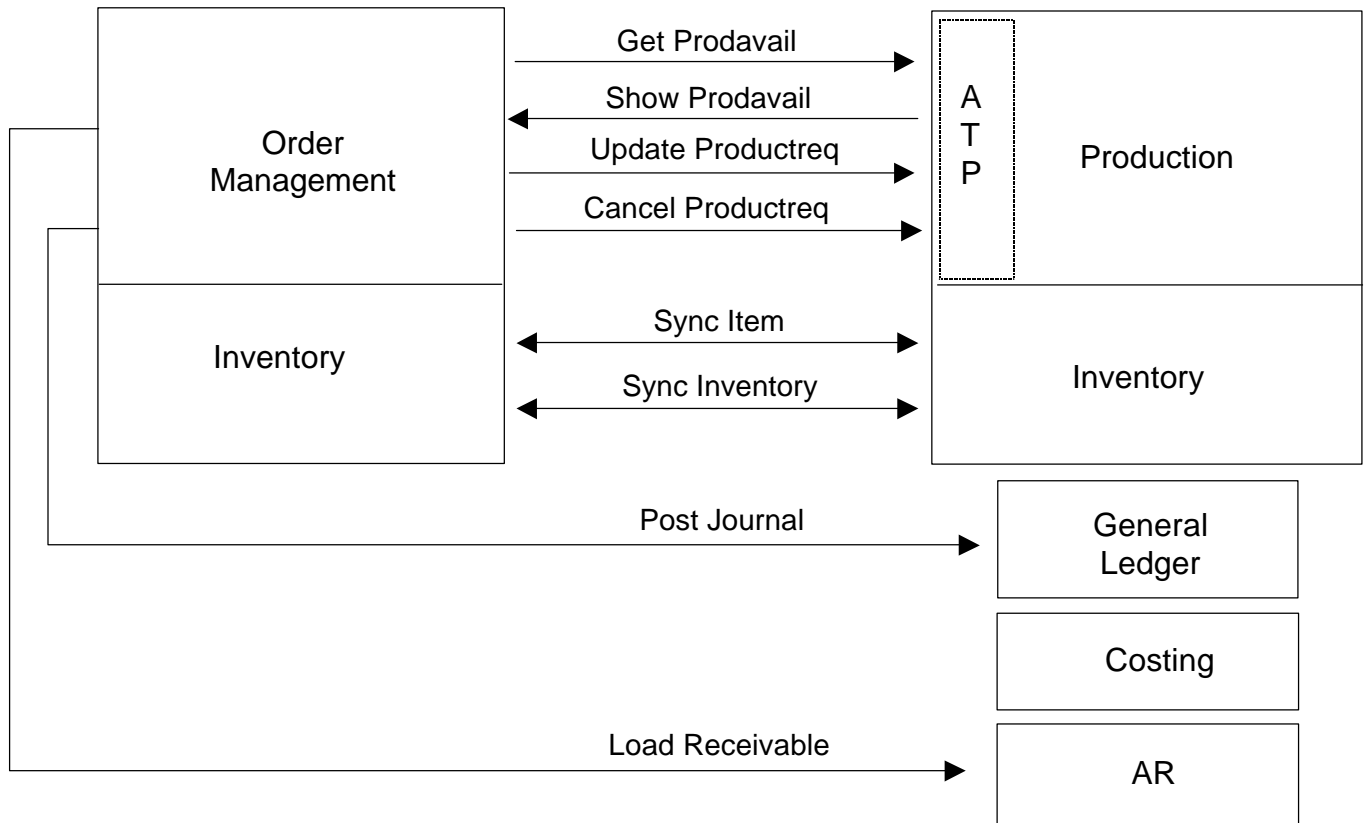
In the case where Finished Goods Inventory resides with the Order Management business application, Order Management may look at its' own Finished Goods Inventory before asking the ATP for product availability. Otherwise, The Order Management application always looks at the Available to Promise. The customer implementation rules or the business applications' capabilities usually determine this processing.

In the case where there is a Finished Goods Inventory application on both sides of the integration, it is assumed that the Inventory applications are synchronized as shown in the scenario diagram.

In the case where Order Management is using the Production or Manufacturing Inventory, it is possible that Order Management would look at that Inventory

availability before asking the Available to Promise application for product availability. This case is not covered at this time.

This BSR usually does not cause updates to occur and may be used as part of a large integration scenario or as a single tool for requesting product available to promise information. The picture below visualizes one possible use of this BSR.



63.1 GET PRODAVAIL

The GET PRODAVAIL Business Object Document will be processed asynchronously and consists of the following Data Type:

1. **PRODAVAIL** - Information required to obtain the requested product availability data as well as the product availability information itself. This Data Type is required.

63.2 PRODAVAIL

The Data Type, “**PRODAVAIL**”, is the only Data Type the Business Service Request “**GET PRODAVAIL**” uses.

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

Processing Note:

The DATETIME(REQUIRED) in the required table above is the delivery date requested by the customer.

The second table describes data that is optional.

OPTIONAL PRODAVAIL DATA	
NAME	APPENDIX
DATETIME(EFFECTIVE)	D
DOCTYPE	C
DOCUMENTID	C
GLENTITYS	C
ITEMDESC	C
ITEMRV	C
ITEMTYPE	C

OPTIONAL PRODAVAIL DATA	
NAME	APPENDIX
LOTLEVEL1 - LOTLEVEL2	C
NAME1 - NAME9	C
NOTES	C
POID	C
POLINENUM	C
PRDLINENUM	C
PRODCTLINE	C
PRODORDID	C
PROPERTY1 - PROPERTY99	C
SALESORDID	C
SERIALNUM	C
SITELEVEL2 - SITELEVEL9	C
SOLINENUM	C
SUBSFLAG	C
USERAREA	C

Processing Note:

If the GET PRODAVAIL contains no SITELEVEL fields, then the Available to Promise (ATP) processing is to rely on predetermined factors or defaults.

The fields in the optional PRODAVAIL Data Type are not all used for selection. These are included to show an example of the data that may be included in the response.