

54. GETLIST PO - REVISION 003

54.0 Overview

This chapter describes the Business Service Request named GETLIST PO, the Verb being GETLIST and the Noun being PO. The response to this request is the LIST PO.

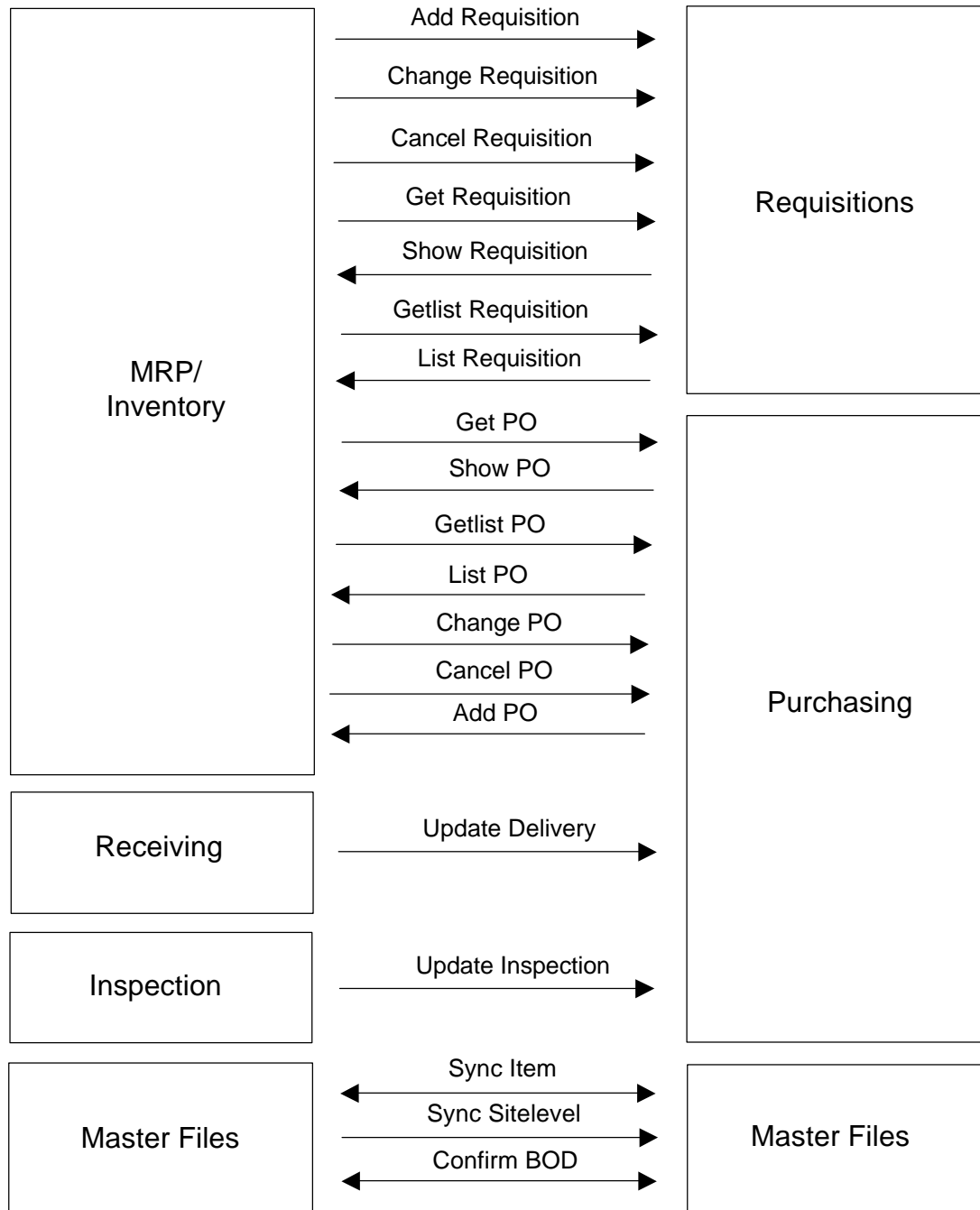
The purpose of the GETLIST PO Business Service Request is to enable a business application to request information containing summary information for one or more Purchase Orders from another business application.

The GETLIST PO also enables the retrieval of information across several documents by using selection fields. An example of this could be requesting all PO Lines for a specific ITEM. This type of functionality is limited to the capabilities of the responding application and needs to be determined during the implementation project.

This BSR does not usually cause updates to occur. It may be used as part of a large integration scenario or as a single tool for requesting information on existing demands for goods or services. Examples include:

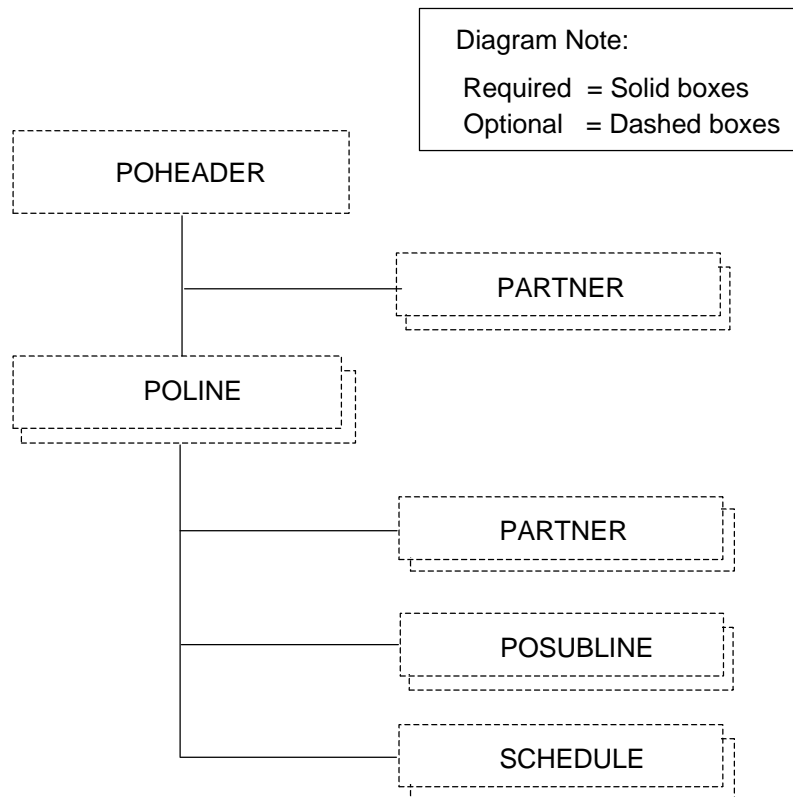
1. A Plant Data Collection application could use this BSR to request information from a Purchasing application.
2. A MRP, Inventory or Manufacturing business application could use this to obtain order information.

The picture below visualizes a possible use of this BSR.



54.1 Getlist PO

The GETLIST PO Business Object Document consists of the following components:



The Business Service Request GETLIST PO uses the following Data Types.

1. **POHEADER** - Information that applies to the entire purchase order. This Data Type is optional.
2. **PARTNER** – Partner information that contains identifier, name, currency, etc. This Data Type is optional.
3. **POLINE** - The item or product ordered along with quantity, price and other descriptive information. This Data Type is optional.
4. **POSUBLINE** - Used if the item on the POLINE needs to be divided into smaller items such as sub-components or subassemblies. This Data Type is optional.
5. **SCHEDULE** - Dates and quantities for delivery or shipment of ordered products. This Data Type is used only as a part of the POLINE and can not exist without an POLINE. This Data Type is optional.

Processing Notes:

Many of the Data Types and Field Identifiers contained in this BSR may be used to select required information. This is done by requesting specific Field Identifiers or by requesting and an entire Data Type.

If the Data Type is not using Field Identifiers to select information, but the data within a Data Type is requested to be returned, the Data Type is coded without any Field Identifiers and with zero occurrences in the meta data part of the BOD. This will signify to the responding application that all of the data that corresponds to that Data Type are to be included in the response.

The Field Identifiers within each Data Type are included in this chapter to clarify what can be expected to be returned or as options for selecting information.

Under some circumstances, the hierarchy of Data Types may be bypassed in this BSR. An example of this is requesting PO Line information by ITEM or by PARTNRID. In these cases the POLINE or the PARTNER Data Type may be sent with a GETLIST request without any accompanying Data Types.

54.2 POHEADER

The Data Type, “**POHEADER**”, is the first of several Data Types the Business Service Request “**GETLIST PO**” uses. This Data Type is optional.

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

The fields in this Data Type are used either for selecting the data required or as an example of what data may be returned in the LIST PO response.

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.

There are no required fields for the POHEADER.

OPTIONAL POHEADER DATA	
NAME	APPENDIX
BUYERID	C
CONTRACTB	C
CONTRACTS	C
COSTCENTER	C
DATETIME(DOCUMENT)	D
DELIVERTO	C
DESCRIPTN	C
DOCKID	C
FUND	C
GLENTITYS	C
GLNOMACCT	C
MAXITEMS	C
NOTES	C
OPERAMT(EXTENDED)(T)	D
OPRAMTAUTH	C
PLANNERID	C
POENTITY	C
POID	C
PORELEASE	C
POSTATUS	C
POTYPE	C
REQUESTER	C
REQUISTNID	C
SALESORDID	C
SITELEVEL1 - SITELEVEL9	C
USERAREA	C

Processing Note:

This BOD enables range selections. This is accomplished by including two separate occurrences of a Field Identifier. The first occurrence is the "FROM" selection and the second, or duplicate Field Identifier is the "TO" in the range to be selected.

If a second Field Identifier is not included, the selection will continue until the data no longer applies to the selection or the MAXITEMS is reached.

In all cases where range selections are used, the solution set to be returned will include through the "TO" field. This is sometimes known as an "inclusive" range selection.

Even if you do not want to select by the POHEADER Data Type, but require the MAXITEMS capability, the POHEADER is required to be sent to accomplish this.

54.3 PARTNER

The Data Type "**PARTNER**" represents the business partner. Several examples of PARTNERS are those business partners that products are sold to, bought from, or delivered by.

Listed are all the Field Identifiers and Segments that are valid for use within the PARTNER 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.

There are no required fields for the PARTNER Data Type.

OPTIONAL PARTNER DATA	
NAME	APPENDIX
CURRENCY	C
DESCRIPTN	C
NAME1 - NAME9	C
PARTNRID	C
PARTNRIDX	C
PARTNRTYPE	C
TAXEXEMPT	C
TAXID	C
USERAREA	C

Processing Note:

The fields in this Data Type are used either for selecting the data required or as an example of what data may be returned in the LIST PO response.

If the Data Type is not using Field Identifiers to select specific information, but the data within this Data Type is requested to be returned, the Data Type is coded without any Field Identifiers and with zero occurrences in the meta data part of the BOD.

This will signify to the responding application that all of the data that corresponds to this Data Type is to be included in the response.

This BOD also enables range selections. This is accomplished by including two separate occurrences of a Field Identifier. The first occurrence is the "FROM" selection and the second, or duplicate Field Identifier is the "TO" in the range to be selected.

If a second Field Identifier is not included, the selection will continue until the data no longer applies to the selection or the MAXITEMS is reached.

In all cases where range selections are used, the solution set to be returned will include through the "TO" field. This is sometimes known as an "inclusive" range selection.

Remember that if you want to use the MAXITEMS capability, the POHEADER is required to be sent to accomplish this.

54.4 POLINE

The Data Type "**POLINE**" represents the detail lines of the purchase order. This Data Type is optional except when using it to select data.

Listed are all the Field Identifiers and Segments that are valid for use within the POLINE 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.

There are no required fields for the POLINE.

OPTIONAL POLINE DATA	
NAME	APPENDIX
BUYERID	C
COMMODITY1 - COMMODITY3	C
CONTRACTB	C
CONTRACTS	C
COSTCENTER	C
DATETIME(NEEDEDELV)	D
DELIVERTO	C

OPTIONAL POLINE DATA	
NAME	APPENDIX
DESCRIPTN	C
DOCKID	C
DRAWING	C
FRGHTCLS	C
FUND	C
GLENTITYS	C
GLNOMACCT	C
HAZRDMATL	C
ITEM	C
ITEMRV	C
ITEMRVX	C
ITEMTYPE	C
ITEMX	C
NOTES	C
OPERAMT(UNIT)(T)	D
PACKING	C
POENTITY	C
POLINENUM	C
POLNSTATUS	C
PROPERTY1 - PROPERTY99	C
QUANTITY(BACKORDERD)	D
QUANTITY(OPEN)	D
QUANTITY(ORDERED)	D
QUANTITY(RECEIVED)	D
REQUESTER	C
REQUISTNID	C
SALESORDID	C
SERIALNUM	C
SITELEVEL1 - SITELEVEL9	C
UPC	C
USERAREA	C

Processing Note:

The fields in this Data Type are used either for selecting the data required or as an example of what data may be returned in the LIST PO response.

If the Data Type is not using Field Identifiers to select specific information, but the data within this Data Type is requested to be returned, the Data Type is coded without any Field Identifiers and with zero occurrences in the meta data part of the BOD.

This will signify to the responding application that all of the data that corresponds to this Data Type is to be included in the response.

This BOD also enables range selections. This is accomplished by including two separate occurrences of a Field Identifier. The first occurrence is the "FROM" selection and the second, or duplicate Field Identifier is the "TO" in the range to be selected.

If a second Field Identifier is not included, the selection will continue until the data no longer applies to the selection or the MAXITEMS is reached.

In all cases where range selections are used, the solution set to be returned will include through the "TO" field. This is sometimes known as an "inclusive" range selection.

Remember that if you want to use the MAXITEMS capability, the POHEADER is required to be sent to accomplish this.

54.5 POSUBLINE

The Data Type "**POSUBLINE**" represents the any additional information concerning the ITEM on the POLINE, such as a specific configuration of the ordered item.

The POSUBLINE is an optional Data Definition Area. Listed are all the Field Identifiers and Segments that are valid for use within the POSUBLINE Data Type.

POSUBLINE usage is further defined by its position in the Purchase Order structure. For example, each POSUBLINE Data Type that follows a POLINE Data Type is inferred to be associated with the POLINE Data Type.

There are no required fields for the POSUBLINE.

OPTIONAL POSUBLINE DATA	
NAME	APPENDIX
DESCRIPTN	C
DRAWING	C
ITEM	C
ITEMRV	C
ITEMRVX	C
ITEMX	C
PROPERTY1 - PROPERTY99	C
PSBLINENUM	C

OPTIONAL POSUBLINE DATA	
NAME	APPENDIX
QUANTITY(ITEM)	D
UPC	C
USERAREA	C

Processing Note:

This Data Type is only used to identify which 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.

54.6 SCHEDULE

The Data Type “**SCHEDULE**” represents the requested ship or delivery dates for goods ordered. This Data Type is used only as a part of the POLINE and can not exist without an POLINE. The SCHEDULE is an optional Data Definition Area.

SCHEDULE usage is further defined by its position on the Purchase Order structure. For example, each SCHEDULE that follows a POLINE Data Type is inferred to be associated with the POLINE Data Type.

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

There are no required fields for the SCHEDULE.

OPTIONAL SCHEDULE DATA	
NAME	APPENDIX
DATETIME(NEEDEDELV)	D
DESCRIPTN	C
PSCLINENUM	C
QUANTITY(ORDERED)	D
REQUESTER	C
REQUISTNID	C

OPTIONAL SCHEDULE DATA	
NAME	APPENDIX
USERAREA	C

Processing Note:

The fields in this Data Type are used either for selecting the data required or as an example of what data may be returned in the LIST PO response.

If the Data Type is not using Field Identifiers to select specific information, but the data within this Data Type is requested to be returned, the Data Type is coded without any Field Identifiers and with zero occurrences in the meta data part of the BOD.

This will signify to the responding application that all of the data that corresponds to this Data Type is to be included in the response.

This BOD also enables range selections. This is accomplished by including two separate occurrences of a Field Identifier. The first occurrence is the "FROM" selection and the second, or duplicate Field Identifier is the "TO" in the range to be selected.

If a second Field Identifier is not included, the selection will continue until the data no longer applies to the selection or the MAXITEMS is reached.

In all cases where range selections are used, the solution set to be returned will include through the "TO" field. This is sometimes known as an "inclusive" range selection.

Remember that if you want to use the MAXITEMS capability, the POHEADER is required to be sent to accomplish this.