

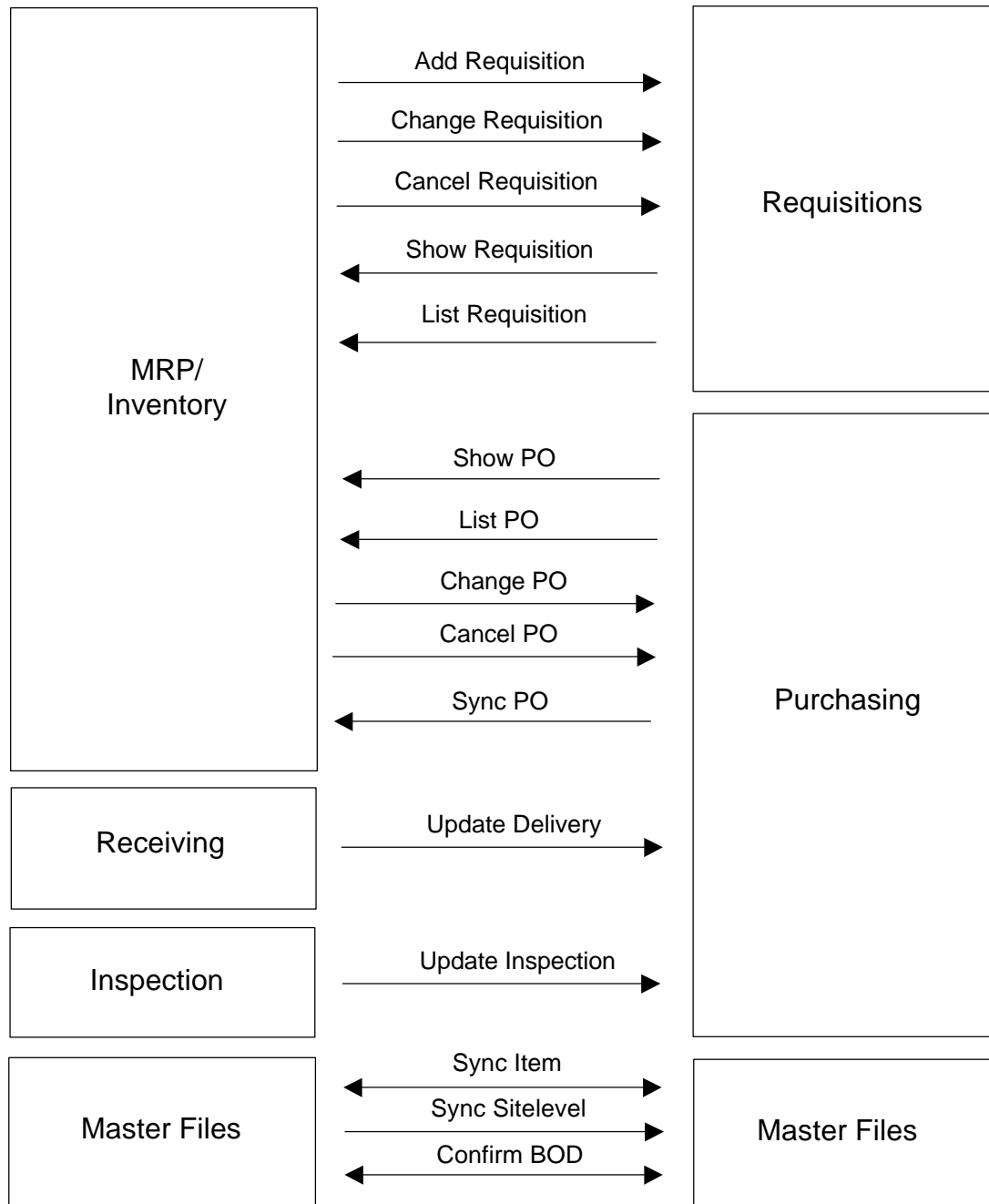
92. SYNC PO - REVISION 003

92.0 Overview

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

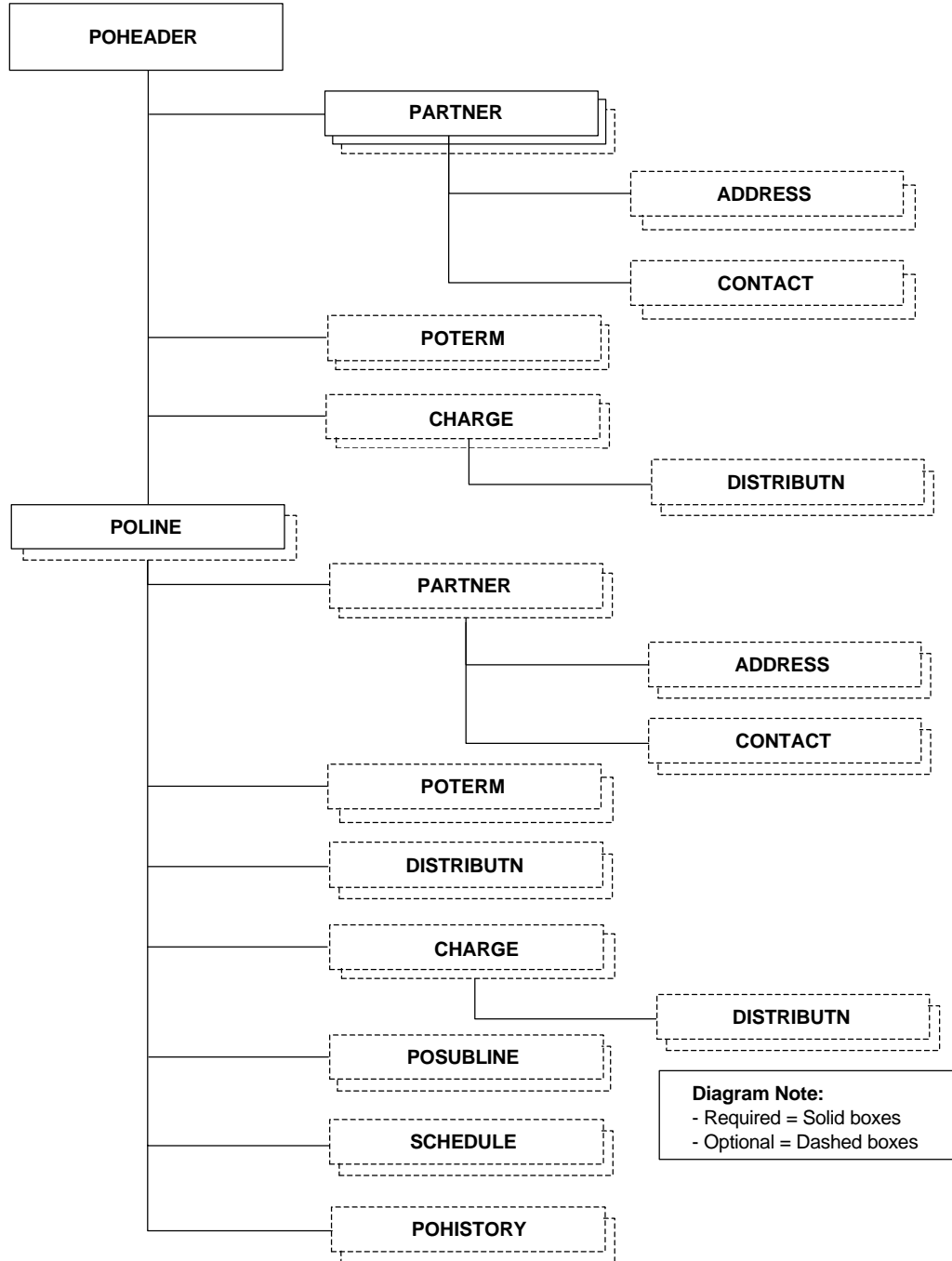
The purpose of the SYNC PO Business Object Document (BOD) is to facilitate keeping purchase order information synchronized on separate data bases throughout an enterprise. The SYNC PO allows the adding of new purchase orders and the modification of previously established purchase orders.

There are many possible business applications in several environments that may use this capability. One example of a business integration scenario where this BOD could be useful is pictured on the next page.



92.1 Sync PO

The SYNC PO Business Object Document consists of the following Data Types:



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

1. **POHEADER** - Information that applies to the entire purchase order. This Data Type is required.
2. **PARTNER** - Partner information, for example, name, currency, payment method, etc. Two occurrences of this Data Type are required for the SYNC PO.
3. **ADDRESS** - Partner location information. This Data Type is optional.
4. **CONTACT** - Name, telephone and other information to contact people associated with the PARTNER. This Data Type is optional.
5. **POTERM** - Payment terms for the purchase order or individual items on the PO. This Data Type is optional.
6. **CHARGE** - Any miscellaneous charges such as freight, taxes, or handling charges. This Data Type is optional.
7. **DISTRIBUTN** - The accounting distribution information associated with a Business Object Document. This may occur for a header, line, or a charge. This Data Type is optional.
8. **POLINE** - The item or product ordered along with quantity, price and other descriptive information. At least one occurrence of this Data Type is required for each occurrence of the POHEADER Data Type.
9. **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.
10. **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 a POLINE. This Data Type is optional.
11. **POHISTORY** - Historical information usually updated by the system only. May include information on the history of receipts, inspection activity, or invoice activity. This Data Type is optional.

92.2 POHEADER

The Data Type, “**POHEADER**”, is the first of several Data Types the Business Service Request “**SYNC PO**” uses. For each purchase order represented in the Business Data Area, there must be one occurrence of the POHEADER 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 POHEADER 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 POHEADER DATA	
NAME	APPENDIX
POID	C
SYNCIND	C

The second table describes data that is optional.

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
NOTES	C
OPERAMT(EXTENDED)(T)	D

OPTIONAL POHEADER DATA	
NAME	APPENDIX
OPRAMTAUTH	C
PLANNERID	C
POENTITY	C
PORELEASE	C
POTYPE	C
POSTATUS	C
REQUESTER	C
REQUISTNID	C
SALESORDID	C
SITELEVEL1 - SITELEVEL9	C
TAXWHEXMPT	C
USERAREA	C

92.3 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. For each POHEADER, it is required to have one occurrence of the PARTNER Data Type to represent the business partner that the goods or services are purchased from (**Supplier**). Also, for each POHEADER, it is required to have one occurrence of the PARTNER Data Type to represent the business partner that the goods or services are sold to (**SoldTo**).

Also optionally for the PO Header, the partner types **ShipTo**, **BillTo**, **Carrier**, and **PayFrom** can be used. These data types are not required to be present on an SYNC PO, but they do exist and are available for processing.

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

The first table represents required data.

REQUIRED PARTNER DATA	
NAME	APPENDIX
PARTNRID	C
PARTNRTYPE	C

The second table describes data that is optional.

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

92.4 ADDRESS

The Data Type “**ADDRESS**” represents the data concerning the location of the business partner. Listed are all the Field Identifiers and Segments that are valid for use within the ADDRESS Data Type.

All data for the ADDRESS Data Type is optional.

OPTIONAL ADDRESS DATA	
NAME	APPENDIX
ADDRLINE1 - ADDRLINE9	C
ADDRTYPE	C
CITY	C
COUNTRY	C
COUNTY	C
DESCRIPTN	C
FAX1 - FAX9	C
POSTALCODE	C
REGION	C
STATEPROVN	C
TAXJRSDCTN	C
TELEPHONE1 - TELEPHONE9	C
URL	C
USERAREA	C

92.5 CONTACT

The Data Type “**CONTACT**” represents people associated with the PARTNER and various ways to contact them, such as telephone or fax. The CONTACT is an optional Data Definition Area that must follow the partner that it is associated with. Listed are all the Field Identifiers and Segments that are valid for use within the CONTACT Data Type.

The first table represents required data.

REQUIRED CONTACT DATA	
NAME	APPENDIX
NAME1	C

The second table describes data that is optional.

OPTIONAL CONTACT DATA	
NAME	APPENDIX
DESCRIPTN	C
EMAIL	C
FAX1 - FAX9	C
NAME2 - NAME9	C
TELEPHONE1 -TELEPHONE9	C
USERAREA	C

92.6 POTERM

The Data Type “**POTERM**” represents the payment due dates and payment discount information. The POTERM is optional for the POHEADER and the POLINE. If used, it can occur multiple times for each. Listed are all the Field Identifiers and Segments that are valid for use within the POTERM Data Type.

There are no required fields for the POTERM Data Type.

OPTIONAL POTERM DATA	
NAME	APPENDIX
DAYOFMONTH	C
DAYSNUM	C
DESCRIPTN	C
OPERAMT(EXTENDED)(T)	D
PROXMONTH	C
QUANTITY(PERCENT)	D
TERMID	C
USERAREA	C

Processing Notes:

In the POTERM, the DAYOFMONTH and PROXMONTH are used together. Also, if DAYSNUM is used, then the DAYOFMONTH and PROXMONTH are not relevant.

The OPERAMT(EXTENDED) or the QUANTITY(PERCENT) are mutually exclusive. OPERAMT(EXTENDED) represents the absolute discount amount. The QUANTITY(PERCENT) represents the discount percentage.

92.7 CHARGE

The Data Type “**CHARGE**” represents the charges other than the goods or services represented in the Business Object Document. Examples of charges that can be carried in the CHARGE Data Type include freight, taxes, or handling charges. The CHARGE is an optional Data Definition Area.

Charge usage is further defined by its position in the SYNC PO. For example, charges that follow the POHEADER Data Type or each POLINE Data Type are implied to be associated with that POHEADER or POLINE Data Type.

Listed are all the Field Identifiers and Segments that are valid for use within the CHARGE Data Definition Area.

The first table represents required data.

REQUIRED CHARGE DATA	
NAME	APPENDIX
CHARGEID	C
OPERAMT(EXTENDED)(T)	D

The second table describes data that is optional.

OPTIONAL CHARGE DATA	
NAME	APPENDIX
CHGLINENUM	C
DESCRIPTN	C
USERAREA	C

92.8 DISTRIBUTN

The Data Type, “**DISTRIBUTN**”, is the Data Type the Business Service Request “**SYNC PO**” uses to describe accounting distribution. The **DISTRIBUTN** Data Type is optional.

Listed are all the Field Identifiers and Segments that are valid for use within the **DISTRIBUTN** Data Type. There are no required fields for the **DISTRIBUTN** Data Type in this usage.

OPTIONAL DISTRIBUTN DATA	
NAME	APPENDIX
BUSNAREA	C
COSTCENTER	C
DEPARTMENT	C
DIVISION	C
ELEMENT1 - ELEMENT999	C
FUND	C
GEOGRAPHY	C
GLENTITYS	C
GLNOMACCT	C
OPERAMT(EXTENDED)(T)	D
PROFITCTR	C
PROJECT	C
UNIT	C
USERAREA	C
WAREHOUSE	C

92.9 POLINE

The Data Type “**POLINE**” represents the detail lines of the purchase order. At least one POLINE is required for each POHEADER. Listed are all the Field Identifiers and Segments that are valid for use within the POLINE Data Type.

The first table represents required data.

REQUIRED POLINE DATA	
NAME	APPENDIX
DESCRIPTN	C
ITEM	C
ITEMX	C
POLINENUM	C
SITELEVEL1	C
UPC	C

Processing Notes:

Of the following required fields, only one must be present, not all are required to be present.

- 1) ITEM or,
- 2) DESCRIPTN or,
- 3) ITEMX or,
- 4) UPC

The second table describes data that is optional.

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

OPTIONAL POLINE DATA	
NAME	APPENDIX
FRGHTCLS	C
FUND	C
GLENTITYS	C
GLNOMACCT	C
HAZRDMATL	C
ITEMRV	C
ITEMRVX	C
ITEMTYPE	C
NOTES	C
OPERAMT(UNIT)(T)	D
PACKING	C
POENTITY	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
SITELEVEL2 - SITELEVEL9	C
TAXWHEXMPT	C
USERAREA	C

92.10 POSUBLINE

The Data Type “**POSUBLINE**” represents the any additional information concerning the product on the POLINE. The POSUBLINE can be used to describe 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.

The first table represents required data.

REQUIRED POSUBLINE DATA	
NAME	APPENDIX
DESCRIPTN	C
ITEM	C
ITEMX	C
UPC	C

Processing Notes:

Of the following required fields, only one must be present, not all are required to be present.

- 1) ITEM or,
- 2) DESCRIPTN or,
- 3) ITEMX or,
- 4) UPC

POSUBLINE usage is further defined by its position on the SYNC PO. For example each POSUBLINE that follows a POLINE Data Type is implied to be associated with the POLINE Data Type.

The second table describes data that is optional.

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

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

92.11 SCHEDULE

The Data Type “**SCHEDULE**” represents the requested ship or delivery dates for goods ordered. The SCHEDULE is an optional Data Definition Area. Listed are all the Field Identifiers and Segments that are valid for use within the SCHEDULE Data Type. The SCHEDULE can not be associated with a POSUBLINE. It is only associated with a POLINE.

The first table represents required data.

REQUIRED SCHEDULE DATA	
NAME	APPENDIX
DATETIME(NEEDEDELV)	D
QUANTITY(ORDERED)	D

Processing Notes:

SCHEDULE usage is further defined by its position on the SYNC PO. For example each SCHEDULE that follows a POLINE Data Type is implied to be associated with the POLINE Data Type.

The second table describes data that is optional.

OPTIONAL SCHEDULE DATA	
NAME	APPENDIX
DESCRIPTN	C
PSCLINENUM	C
REQUESTER	C
REQUISTNID	C
USERAREA	C

92.12 POHISTORY

The Data Type “**POHISTORY**” represents the historical activity against a Purchase Order in the areas of:

1. Receipts
2. Inspection
3. Invoicing

These are usually system updated fields and are not normally maintained directly by the application user. The first table represents required data.

REQUIRED POHISTORY DATA	
NAME	APPENDIX
DATETIME(DOCUMENT)	D
DOCTYPE	C
INSLINENUM	C
INVLINENUM	C
ORIGREF	C
QUANTITY(ITEM)	D
RECLINENUM	C

Processing Notes: The valid values of DOCTYPE in this usage are:

1. Receipt
2. Inspection
3. Invoice

Either the RECLINENUM, the INSLINENUM, or the INVLINENUM is required but not all three of these are required.

The second table describes data that is optional.

OPTIONAL POHISTORY DATA	
NAME	APPENDIX
AMOUNT(DOCUMENT)(F)	D
AMOUNT(DOCUMENT)(T)	D
NOTES	C
REF1 - REF999	C
USERAREA	C