10. GET PO - REVISION 004

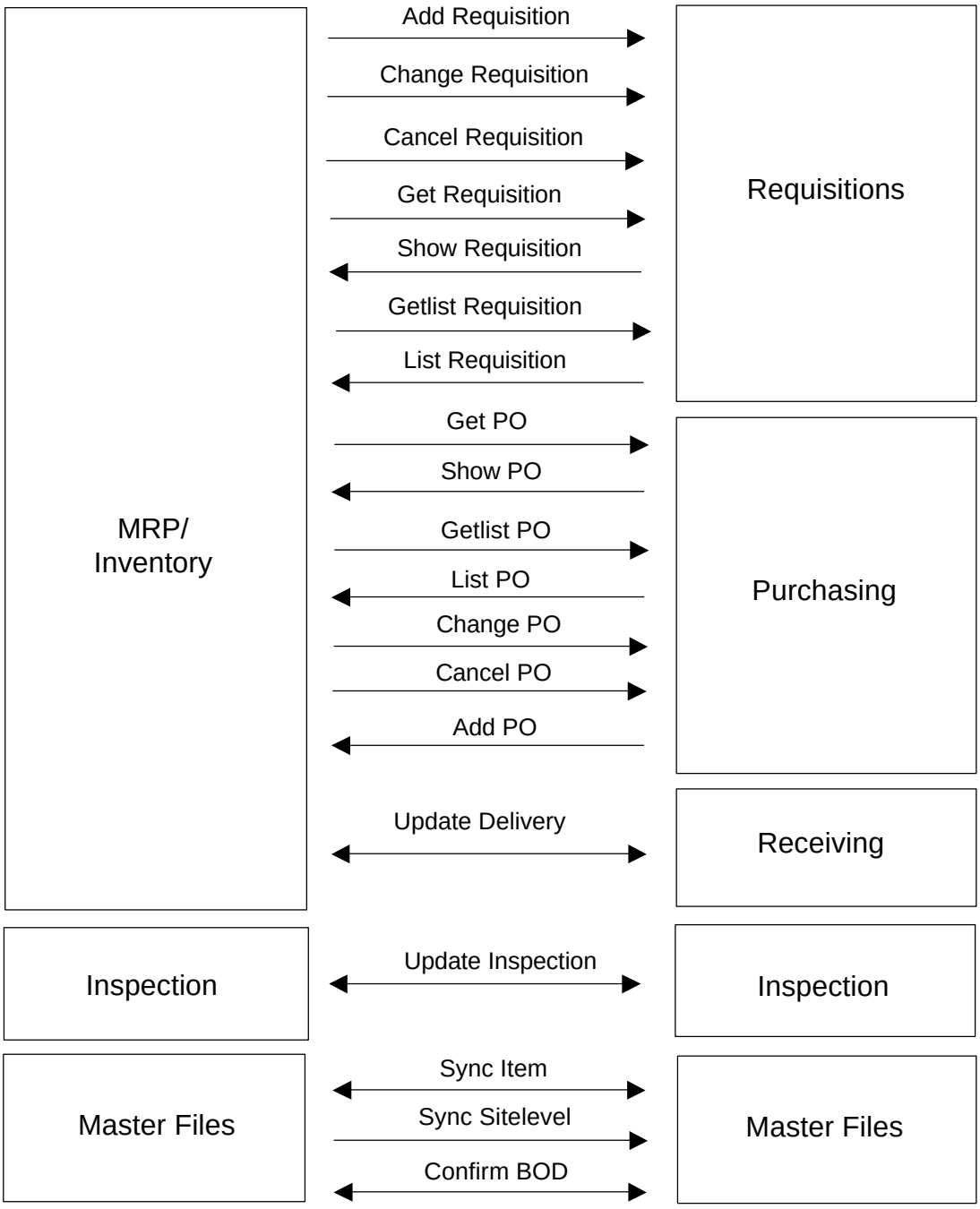
10.0 Overview

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

The purpose of the GET PO Business Service Request is to enable a business application module to request information concerning a specific purchase order from another business application. The reply to this BSR is the SHOW PO.

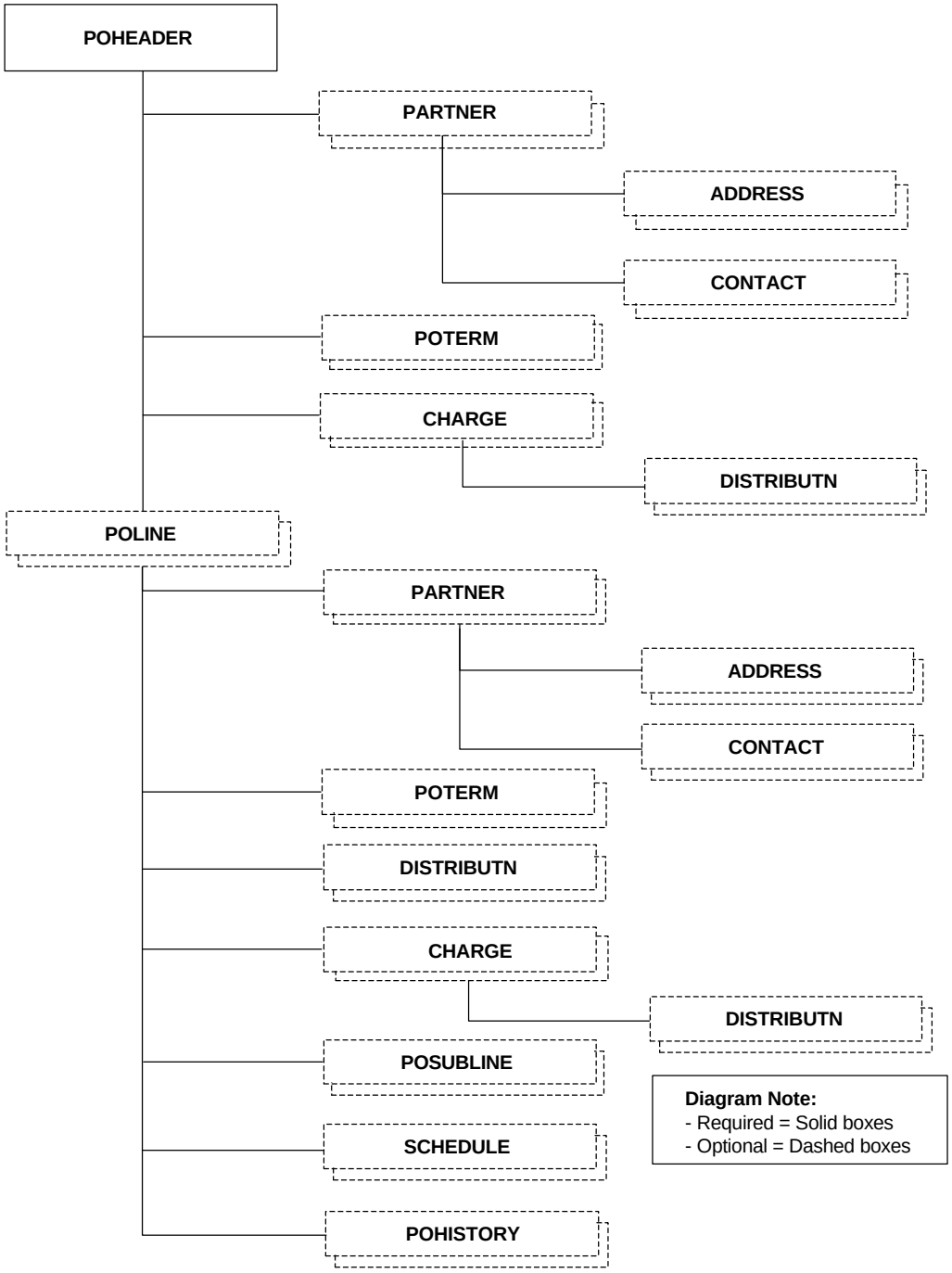
There are several possible business applications in several environments that may use this capability. For example, an MRP application may use this BSR to ask for information from a PO application, or a Plant Data Collection application may also use this BSR to request information from a PO application.

This BSR does not usually cause updates to occur. The picture below visualizes a possible use of this BSR.


MRP/
Inventory
Add Requisition
Change Requisition
Cancel Requisition
Get Requisition
Show Requisition
Getlist Requisition
List Requisition
Requisitions
Get PO
Show PO
Getlist PO
List PO
Change PO
Cancel PO
Add PO
Purchasing
Update Delivery
Receiving
Inspection
Update Inspection
Inspection
Master Files
Sync Item
Sync Sitelevel
Confirm BOD
Master Files

10.1 Get PO

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



The Business Service Request GET 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. This Data Type is optional.
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. This Data Type is optional.
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 an POLINE. This Data Type is optional.
11. **POHISTORY** – Historical information usually updated by the system only. May include information on history of receipts, inspection, invoicing, and supplier performance. This Data Type is optional.

Processing Notes:

For any Data Type except the POHEADER, POLINE, or SCHEDULE if the Data Type is included in this GET, it will be empty of Field Identifiers. This will signify to the responding application that all of the data that corresponds to that Data Type is to be included in the response.

This is to be coded in the meta data by including the Data Type identifier, zero occurrences, and no Field Identifiers.

10.2 POHEADER

The Data Type, "**POHEADER**", is the first Data Type the Business Service Request "**GET PO**" uses. The use of this Data Type is required.

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

Processing Note:

The POID is used as a selection field.

The second table describes data that is optional. These fields are present as an example of what may be returned in the SHOW PO response.

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

OPTIONAL POHEADER DATA	
NAME	**APPENDIX**
NOTES	C
OPERAMT(EXTENDED)(T)	D
OPRAMTAUTH	C
PLANNERID	C
POENTITY	C
PORELEASE	C
POSTATUS	C
POTYPE	C
REQUESTER	C
REQUISTNID	C
SALESORDID	C
SITELEVEL1 - SITELEVEL9	C
TAXWHEXMPT	C
USERAREA	C

10.3 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 optional to have one occurrence of the PARTNER Data Type to represent the business partner that the goods or services are purchased from (**Supplier**). Optionally for the PO Header, the partner types **Sold To**, **ShipTo**, **BillTo**, **Carrier**, and **PayFrom** can be used.

This Data Type is used to identify that the information concerning this Data Type is requested to be returned in the SHOW response. 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 but no Field Identifiers. The Field Identifiers within each Data Type below are only included to clarify what can be expected to be returned.

There are no required fields for the PARTNER Data Type.

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

10.4 ADDRESS

The Data Type "**ADDRESS**" represents the data concerning the location of the business partner. The use of this Data Type is optional.

This Data Type is used to identify that the information concerning this Data Type is requested to be returned in the SHOW response. 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 but no Field Identifiers. The Field Identifiers within each Data Type below are only included to clarify what can be expected to be returned.

There are no required fields for the ADDRESS Data Type.

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

10.5 CONTACT

The Data Type "**CONTACT**" represents people associated with the PARTNER and various ways to contact them, such as telephone or fax. The use of this Data Type is optional.

If it is used, it must follow the partner it is associated with. Listed are all the Field Identifiers and Segments that are valid for use within the CONTACT Data Type.

This Data Type is used to identify that the information concerning this Data Type is requested to be returned in the SHOW response. 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 but no Field Identifiers. The Field Identifiers within each Data Type below are only included to clarify what can be expected to be returned.

There are no required fields for the CONTACT Data Type.

OPTIONAL CONTACT DATA	
NAME	**APPENDIX**
DESCRIPTN	C
EMAIL	C
FAX1 - FAX9	C
NAME1 - NAME9	C
TELEPHONE1 - TELEPHONE9	C
USERAREA	C

10.6 POTERM

The Data Type "**POTERM**" represents the payment due dates and payment discount information. The POTERM Data Type 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.

This Data Type is used to identify that the information concerning this Data Type is requested to be returned in the SHOW response. 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 but no Field Identifiers. The Field Identifiers within each Data Type below are only included to clarify what can be expected to be returned.

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.

10.7 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 PO structure. 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.

This Data Type is used to identify that the information concerning this Data Type is requested to be returned in the SHOW response. 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 but no Field Identifiers. The Field Identifiers within each Data Type below are only included to clarify what can be expected to be returned.

There are no required fields for the CHARGE Data Type for the GET PO.

OPTIONAL CHARGE DATA	
NAME	**APPENDIX**
CHARGEID	C
CHGLINENUM	C
DESCRIPTN	C
OPERAMT(EXTENDED)(T)	D
USERAREA	C

10.8 DISTRIBUTN

The Data Type, "**DISTRIBUTN**", is the Data Type the Business Service Request "**GET PO**" uses to describe accounting distribution. The DISTRIBUTN Data Type is optional.

This Data Type is used to identify that the information concerning this Data Type is requested to be returned in the SHOW response. 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 but no Field Identifiers. The Field Identifiers within each Data Type below are only included to clarify what can be expected to be returned.

There are no required fields for the DISTRIBUTN Data Type for the GET PO.

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

10.9 POLINE

The Data Type "**POLINE**" represents the detail lines of the purchase order. This Data Type is optional except when requesting that specific POLINE data be returned. Listed below 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**
POLINENUM	C

Processing Notes:

There are no required fields for the POLINE Data Type on a GET PO request unless the request is for a specific PO LINE.

The POLINE Data Type can be used to request one or more specific lines within a purchase order or all lines for a purchase order. This is done in the following way:

If one or more specific lines are requested, this Data Type is included with an occurrence for each POLINENUM required.

If all lines are requested, this Data Type is included, but no Field Identifiers are coded and the number of occurrences in the meta data of the BOD is set to zeros. The response in this case is all lines for the specific purchase order.

If no lines are requested, then this Data Type is not included.

The second table describes data that is optional. This is only used to identify what data may be returned in the SHOW PO response.

These are not selection fields.

OPTIONAL POLINE DATA	
NAME	**APPENDIX**
BUYERID	C
COMMODITY1 – COMMODITY3	C
CONTRACTB	C
CONTRACTS	C

OPTIONAL POLINE DATA	
NAME	**APPENDIX**
COSTCENTER	C
DATETIME(NEEDDELV)	D
DELIVERTO	C
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
POLNSTATUS	C
QUANTITY(BACKORDERD)	D
QUANTITY(OPEN)	D
QUANTITY(ORDERED)	D
QUANTITY(RECEIVED)	D
REQUESTER	C
REQUISTNID	C
SALESORDID	C
SERIALNUM	C
SITELEVEL1 - SITELEVEL9	C
TAXWHEXMPT	C
UPC	C
USERAREA	C

10.10 POSUBLINE

The Data Type "**POSUBLINE**" represents any additional information concerning the product 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.

This Data Type is used to identify that the information concerning this Data Type is requested to be returned in the SHOW response. 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 but no Field Identifiers. The Field Identifiers within each Data Type below are only included to clarify what can be expected to be returned.

There are no required fields for the POSUBLINE Data Type.

OPTIONAL POSUBLINE DATA	
NAME	**APPENDIX**
DESCRIPTN	C
DRAWING	C
ITEM	C
ITEMRV	C
ITEMRVX	C
ITEMX	C
PSBLINENUM	C
QUANTITY(ITEM)	D
UPC	C
USERAREA	C

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

The first table represents required data.

REQUIRED SCHEDULE DATA	
NAME	**APPENDIX**
PSCLINENUM	C

Processing Notes:

There are no required fields for the SCHEDULE Data Type on a GET PO request unless the request is for a specific SCHEDULE. In the case where a specific SCHEDULE is required, this Data Type can be used to request one or more specific schedules within a purchase order line within a purchase order. This is done in the following way:

The POHEADER and POLINE must be included with the requested SCHEDULE. This is because the SCHEDULE can not be selected without the defining POHEADER and POLINE that precedes it. If one or more specific schedules are requested, this Data Type is included with an occurrence for each SCHEDULE required.

If all schedules are requested, this Data Type is included, but no Field Identifiers are coded and the number of occurrences in the meta data of the BOD is set to zeros. The response in this case is all schedules within a line for the specific purchase order.

If no schedules are requested, then this Data Type is not included.

OPTIONAL SCHEDULE DATA	
NAME	**APPENDIX**
DATETIME(NEEDDELV)	D
DESCRIPTN	C
QUANTITY(ORDERED)	D

OPTIONAL SCHEDULE DATA	
NAME	**APPENDIX**
REQUESTER	C
REQUISTNID	C
USERAREA	C

Processing Notes:

SCHEDULE usage is further defined by its position in the purchase order structure.

For example, each SCHEDULE Data Type that follows a POLINE Data Type is inferred to be associated with the POLINE Data Type. The SCHEDULE can not be associated with a POSUBLINE.

10.12 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.

This Data Type is used to identify that the information concerning this Data Type is requested to be returned in the SHOW response. 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 but no Field Identifiers. The Field Identifiers within each Data Type below are only included to clarify what can be expected to be returned.

There are no required fields for the POHISTORY Data Type for the GET PO.

OPTIONAL POHISTORY DATA	
NAME	**APPENDIX**
AMOUNT(DOCUMENT)(F)	D
AMOUNT(DOCUMENT)(T)	D
DATETIME(DOCUMENT)	D
DOCTYPE	C
INSLINENUM	C
INVLINENUM	C
NOTES	C
ORIGREF	C
QUANTITY(ITEM)	D
RECLINENUM	C
REF1 - REF999	C
USERAREA	C