

# 84. SYNC SALESORDER - REVISION 003

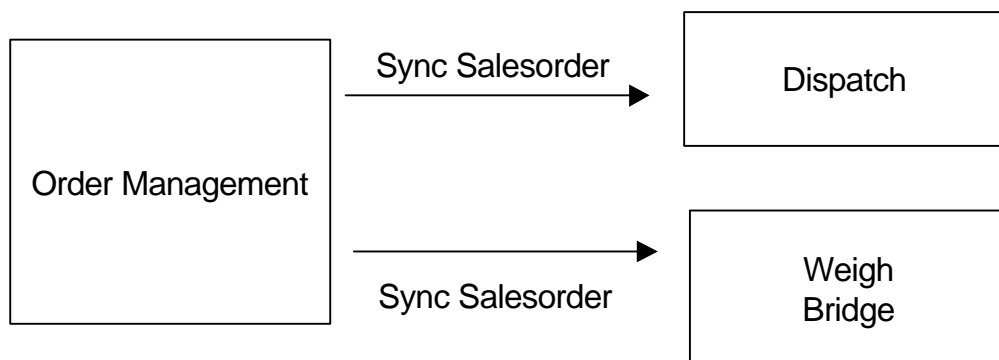
## 84.0 Overview

This chapter describes the Business Service Request named SYNC SALESORDER, the Verb being SYNC and the Noun being SALESORDER, indicating a customer order or a salesorder.

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

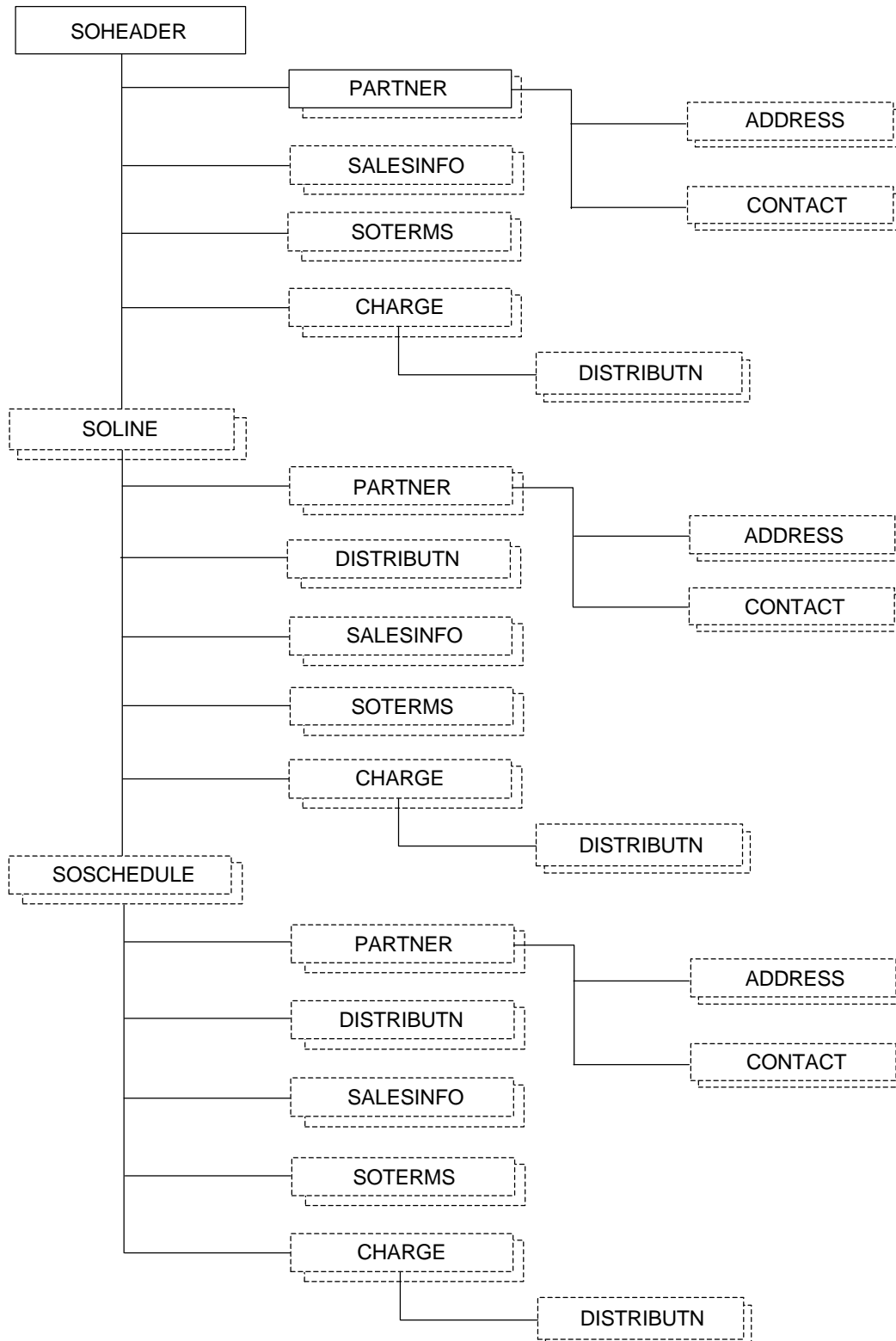
This BSR commonly causes updates to occur.

This BSR may be used individually, or as part of a larger interface scenario. The picture below visualizes a possible use of this BSR.



## 84.1 SYNC SALESORDER

The SYNC SALESORDER consists of the following Data Types:



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

1. **SOHEADER** - Information that applies to the entire sales or customer order. This Data Type is required.
2. **PARTNER** - Partner information, i.e., name, currency, payment method, etc. One occurrence of this Data Type is required for each occurrence of the SOHEADER Data Type.
3. **ADDRESS** - Partner location information. **ADDRESS** is optional.
4. **CONTACT** - Name, telephone and other information to contact people associated with the PARTNER. This Data Type is optional.
5. **SALESINFO** - Contains the relevant information about the salesperson and the associated commission information. This Data Type is optional.
6. **SOTERMS** - Payment terms for the entire sales order document or for individual items on the sales order. This Data Type is optional.
7. **CHARGE** - Any miscellaneous charges that are not represented as line items such as freight or handling charges. This Data Type is optional.
8. **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.
9. **SOLINE** - The item or product ordered along with quantity, price and other descriptive information. This Data Type is optional.
10. **SOSCHEDULE** - Dates and quantities for delivery or shipment of ordered products. This Data Type is used only as a part of the SOLINE and can not exist without an SOLINE. This Data Type is optional.

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## 84.2 SOHEADER

The Data Type, "SOHEADER", is the first of several Data Types the Business Service Request "SYNC SALESORDER" uses. For each salesorder represented in the Business Data Area, there must be one occurrence of the SOHEADER 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 SOHEADER Data Type.

The first table represents required data.

REQUIRED SOHEADER DATA	
NAME	APPENDIX
SALESORDID	C
SALESORG1	C
SYNCIND	C

The second table describes data that is optional.

OPTIONAL SOHEADER DATA	
NAME	APPENDIX
BACKORDIND	C
CONTRACTB	C
CONTRACTS	C
COSTCENTER	C
DATETIME(DOCUMENT)	D
DEPARTMENT	C
DESCRIPTN	C
DISTCENTER	C
DIVISION	C
EXPORTLIC	C
GLENTITYS	C
GLNOMACCT	C
IMPORTLIC	C
NOTES	C
OPERAMT(EXTENDED)(T)	D
OPRAMTAUTH	C
POID	C

OPTIONAL SOHEADER DATA	
NAME	APPENDIX
POLINENUM	C
PROJECT	C
SALESORG2 - SALESORG9	C
SHIPNOTES	C
SHIPPRIOR	C
SITELEVEL1 - SITELEVEL9	C
SOSTATUS	C
TAXWHEXMPT	C
USERAREA	C

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## 84.3 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 SOHEADER, 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 (**Customer**). Optionally for the SOHEADER, the partner types **ShipTo**, **BillTo**, **Carrier**, and **PayFrom** can be used.

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
NAME1	C
ONETIME	C
PARTNRID	C
PARTNRTYPE	C

The second table describes data that is optional.

OPTIONAL PARTNER DATA	
NAME	APPENDIX
CURRENCY	C
DESCRIPTN	C
NAME2 - NAME9	C
PARTNRIDX	C
TAXEXEMPT	C
TAXID	C
USERAREA	C

## 84.4 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
TAXJRSCTN	C
TELEPHONE1 - TELEPHONE9	C
URL	C
USERAREA	C

## 84.5 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



## 84.6 SALESINFO

The Data Type “**SALESINFO**” contains necessary information about the salesperson on the order. This Data Type is Optional. If used, it can occur multiple times in order to document all of the sales people associated with an order. Listed are all the Field Identifiers and Segments that are valid for use within the SOTERMS Data Type.

The first table represents required data.

REQUIRED SALESINFO DATA	
NAME	APPENDIX
SALESPERSN	C

### Processing Notes:

There is one occurrence of this Data Type for each salesperson. If there is more than one salesperson getting credit for the salesorder, each salesperson would be documented in their own occurrence of the SALESINFO Data Type for the salesorder.

The second table describes data that is optional.

OPTIONAL SALESINFO DATA	
NAME	APPENDIX
AMOUNT(COMMISSION)	D
AMOUNT(ORDER)	D
QUANTITY(COMMISSION)	D
QUANTITY(ORDERED)	D
QUANTITY(PERCENT)	D
SALESORG1 - SALESORG9	C
USERAREA	C

### Processing Notes:

The AMOUNT(COMMISSION) and the QUANTITY(COMMISSION) enable the salesperson or persons to be appropriately credited for the order. These segments assume that the commissions have already been calculated by amount or quantity and they are only carrying the value or result of the previous calculation.

The AMOUNT(ORDER), QUANTITY(ORDERED), and QUANTITY(PERCENT) segments may alternatively be used to record the portion of the salesorder the salesperson is credited with before an actual calculation is made. These segments are carrying only raw data and may be used by a sales commission application to subsequently calculate the correct sales commission for each salesperson.

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## 84.7 SOTERMS

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

There are no required fields for the SOTERMS Data Type.

OPTIONAL SOTERMS 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 SOTERMS data type, 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.

## 84.8 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 SALESORDER. For example, charges that follow the SOHEADER Data Type or each SOLINE Data Type are inferred to be associated with that SOHEADER or SOLINE Data Types respectively.

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

## 84.9 DISTRIBUTN

The Data Type, “**DISTRIBUTN**”, is the Data Type the Business Service Request “**SYNC SALESORDER**” 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

## 84.10 SOLINE

The Data Type “**SOLINE**” represents the detail lines of the sales order. This Data Type is optional. Listed are all the Field Identifiers and Segments that are valid for use within the SOLINE Data Type. The first table represents required data.

REQUIRED SOLINE DATA	
NAME	APPENDIX
QUANTITY(ORDERED)	D
SOLINENUM	C

Note: In addition to the required SOLINE data in the above table, it must also include one of the following:

- 1) ITEM or,
- 2) DESCRIPTN or,
- 3) ITEMX or,
- 4) UPC or,
- 5) Any of the above combinations.

The second table describes data that is optional.

OPTIONAL SOLINE DATA	
NAME	APPENDIX
BACKORDIND	C
BOMALTID	C
BOMID	C
BOMNAME	C
BOMREVISION	C
BOMSTATUS	C
BOMTYPE	C
BOMUSAGE	C
CONTRACTB	C
CONTRACTS	C
DATETIME(DELIVACT)	D
DATETIME(DELIVSCHED)	D
DATETIME(NEEDEDELV)	D
DATETIME(PROMDELV)	D
DATETIME(PROMSHIP)	D
DATETIME(SHIP)	D

OPTIONAL SOLINE DATA	
NAME	APPENDIX
DESCRIPTN	C
DISTCENTER	C
DRAWING	C
DROPSHIP	C
EXPORTLIC	C
HAZRDMATL	C
IMPORTLIC	C
ITEM	C
ITEMRV	C
ITEMRVX	C
ITEMX	C
LOTLEVEL1 – LOTLEVEL2	C
NOTES	C
OPERAMT(EXTENDED)(T)	D
OPERAMT(UNIT)(T)	D
PACKING	C
PARTIALSHP	C
POID	C
POLINENUM	C
PRODLTLINE	C
PROJECT	C
PROPERTY1 - PROPERTY99	C
ROUTINGID	C
SHIPNOTES	C
SHIPPRIOR	C
SOLNSTATUS	C
SUBSFLAG	C
TAXWHEXMPT	C
TEMPRATURE(ACTUAL)	D
TEMPRATURE(DELIVERY)	D
TEMPRATURE(LOADING)	D
UPC	C
USERAREA	C

**Processing Notes:**

The OPERAMT(UNIT)(T) segment is intended to be used for the unit price of the goods or services on the salesorder. The unit qualifier means this is for unit amounts, not extended amounts. The extended amount can be derived by multiplying the OPERAMT(UNIT)(T) times the QUANTITY(ORDERED) segment.

In this case the calculations for pricing are assumed to be completed before the SYNC SALESORDER BOD is transmitted.

The OPERAMT(EXTENDED)(T) segment is intended to be used for the full extended amount of the SOLINE in question. This is used when the source system calculates all pricing before the SYNC SALESORDER BOD is transmitted.

## 84.11 SOSCHEDULE

The Data Type "SOSCHEDULE" represents the requested ship or delivery dates for goods ordered. This Data Type is used only as a part of the SOLINE and can not exist without an SOLINE. The SOSCHEDULE is an optional Data Definition Area. Listed are all the Field Identifiers and Segments that are valid for use within the SOSCHEDULE Data Type. For each occurrence of the Data Type SOLINE, at least one occurrence of this Data Type is required.

The first table represents required data.

REQUIRED SOSCHEDULE DATA	
NAME	APPENDIX
DATETIME(NEEDEDELV)	D
QUANTITY(ORDERED)	D
SOSLINENUM	C

### Processing Notes:

SOSCHEDULE usage is further defined by its position on the SYNC SALESORDER. For example, each SOSCHEDULE that follows a SOLINE Data Type is implied to be associated with the SOLINE Data Type.

The second table describes data that is optional.

OPTIONAL SOSCHEDULE DATA	
NAME	APPENDIX
BACKORDIND	C
BOMALTID	C
BOMID	C
BOMNAME	C
BOMREVISION	C
BOMSTATUS	C
BOMTYPE	C
BOMUSAGE	C

OPTIONAL SOSCHEDULE DATA	
NAME	APPENDIX
CONTRACTB	C
CONTRACTS	C
DATETIME(DELIVACT)	D
DATETIME(DELIVSCHED)	D
DATETIME(PROMDELV)	D
DATETIME(PROMSHIP)	D
DATETIME(SHIP)	D
DESCRIPTN	C
DISTCENTER	C
DRAWING	C
DROPSHIP	C
EXPORTLIC	C
HAZRDMATL	C
IMPORTLIC	C
ITEM	C
ITEMRV	C
ITEMRVX	C
ITEMX	C
LOTLEVEL1 – LOTLEVEL2	C
NOTES	C
OPERAMT(EXTENDED)(T)	D
OPERAMT(UNIT)(T)	D
PACKING	C
PARTIALSHP	C
POID	C
POLINENUM	C
PRODCTLINE	C
PROJECT	C
PROPERTY1 - PROPERTY99	C
PSCLINENUM	C
ROUTINGID	C
SHIPNOTES	C
SHIPPRIOR	C
SUBSFLAG	C
TAXWHEXMPT	C
TEMPRATURE(ACTUAL)	D
TEMPRATURE(DELIVERY)	D
TEMPRATURE(LOADING)	D
UPC	C
USERAREA	C



**Processing Notes:**

SOSCHEDULE usage is further defined by its position on the SYNC SALESORDER. For example, each SOSCHEDULE that follows a SOLINE Data Type is implied to be associated with the SOLINE Data Type.

The OPERAMT(UNIT)(T) segment is intended to be used for the unit price of the goods or services on the salesorder. The unit qualifier means this is for unit amounts, not extended amounts. The extended amount can be derived by multiplying the OPERAMT(UNIT)(T) times the QUANTITY(ORDERED) segment.

This is for the case when the calculations for pricing are assumed to be completed before the SYNC SALESORDER BOD is transmitted.

The OPERAMT(EXTENDED)(T) segment is intended to be used for the full extended amount of the SOSCHEDULE in question. This is used when the source system calculates all pricing before the SYNC SALESORDER BOD is transmitted.