

PeopleSoft®

EnterpriseOne
Real-Time Events
Reference Guide 8.9 PeopleBook

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EnterpriseOne
Real-Time Events Reference Guide 8.9 PeopleBook
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Introduction

A real-time event is a business transaction that provides information from the J.D. Edwards ERP system that can be used to interoperate with a third-party system. Real-time events can be generated wherever business functions run, such as HTML, WIN32, and enterprise servers. Real-time events are useful for producing outbound notifications in real-time. They can be used for both synchronous and asynchronous processing.

The purpose of this document is to identify and describe the technical and functional purposes of the real-time events. For information on how to create and use real-time events, refer to the Interoperability guide.

Real-Time Event Naming Conventions

Real-time events follow the following naming standard:

RTXXYYY where XX is the product area, and YYY is the type for example OUT, HDR, DTL.

Transaction-Specific Instructions

Event Name	Name of the event
Event Description	Description of the event
Event Type	RTE for real time events
Event Category	Defined as single or container event
Product Code	System Code
Reliable Delivery	Reliable = 1 or Y, Volatile = 0 or N
Timeout Threshold	Applies only to reliable events for which an initial delivery attempt fails. Determines the maximum amount of time that has to pass from the event creation to the time when the event will be discarded if not delivered successfully. Events with a threshold of zero never expire.
Data Structure	J.D. Edwards data structure that is used for the current single event
Event Relationship	Relationship to other real-time events.

Defining Events

Events are defined in the Interoperability Event Definition table (F90701). You use the Interoperability Event Definition (P90701) program to add new single and container events to table F90701 and to review your existing events. You add single events by event name.

When you add a single event, you must include the J.D. Edwards data structure. A container event contains either single events or aggregate events or both.

See Also

See the following topics in the *Interoperability Guide*:

- *Defining Events* for information about defining real-time and XAPI events
- *Real-Time Events* for information about single and container events

Address Book

- ❑ RTABHDR
- ❑ RTABPHOUT
- ❑ RTABEAOUT
- ❑ RTPCOUT
- ❑ RTABOUT

RTABHDR

Purpose of Transaction

RTABHDR is a single event, produced by the ERP system, to provide address book header information.

Transaction Specific Instructions

Event Name	RTABHDR
Event Description	RTABOUT Header
Event Type	RTE
Event Category	Single
Product Code	01
Reliable Delivery	1
Timeout Threshold	0
Data Structure	D0100085A (Address Book Header)
Event Relationship	Included in container event RTABOUT

Fields Included in the Real-Time Event

Data Item/Alias	Description	Data Type	Size	Element
ACTN	cActionCode	Char	1	Action Type
AN8	mnAddressNumber	Numeric	8	Address Number
ALPH	szNameAlpha	String	40	Alpha Name
AT1	szSearchType	String	3	Search Type
MCU	szBusinessUnit	String	12	Business Unit
PA8	mnParentNumber	Numeric	8	Parent Number
MLNM	szMailingName	String	40	Mailing Name
ADD1	szAddressLine1	String	40	Address Line 1
ADD2	szAddressLine2	String	40	Address Line 2
ADD3	szAddressLine3	String	40	Address Line 3
ADD4	szAddressLine4	String	40	Address Line 4

Data Item/Alias	Description	Data Type	Size	Element
CTY1	szCity	String	25	City
COUN	szCountyAddress	String	25	County Address
ADDS	szState	String	3	State
ADDZ	szZipCodePostal	String	12	ZipCode
CTR	szCountry	String	3	Country
EMAL	szEmail	String	256	Email
REM1	szRemark1	String	30	Remark
PHTP	szPhoneNumberTyp1	String	4	Phone Type 1
PH1	szPhoneNumber	String	20	Phone Number
PHTP	szPhoneNumberTyp2	String	4	Phone Type 2
PH1	szPhoneNumber1	String	20	Phone Number 1
SCCLTP	szShortcutClientType	String	2	Shortcut Client Type

Conceptual Approach

An address book record added, modified, or deleted in the J.D. Edwards ERP system creates, modifies, or deletes a record in the Address Book tables (F0101, F0111, F01111, F0115, F01151, F0116).

Processes that can Initiate the Real-Time Event

- N0100041 – Address Book master business function
- P0111 – Who's Who application
- P0115 – Phones application
- P01111 – Contact Information E-mail application
- B0100085 – Address Book Real-Time Event notification function
- B0100073 – Electronic Address – Phones business function

RTABPHOUT

Purpose of Transaction

RTABPHOUT is a single event, produced by the ERP system, to provide address book phone information.

Transaction Specific Instructions

Event Name	RTABPHOUT
Event Description	RTABOUT Phones
Event Type	RTE
Event Category	Single
Product Code	01
Reliable Delivery	1
Timeout Threshold	0
Data Structure	D0100085B (Address Book Phones)
Event Relationship	Included in container event RTABOUT

Fields Included in the Real-Time Event

Data Item/Alias	Description	Data Type	Size	Element
PHTP	szPhoneNumberType	String	4	Phone Number Type
PH1	szPhoneNumber	String	20	Phone Number
AN8	mnAddressNumber	Numeric	8	Address Number
IDLN	mnLineNumberID	Numeric	5	Who's Who Line Number – ID
RCK7	mnSequenceNumber70	Numeric	5	Line Number ID

Conceptual Approach

An address book phone record added, modified, or deleted in the J.D. Edwards ERP system creates, updates, or deletes a record in the Address Book – Phone table (F0115).

Processes that can Initiate the Real-Time Event

- N0100041 – Address Book master business function
- P0115 – Phone application
- B0100085 – Address Book Real Time Event notification function

RTABEAOUT

Purpose of Transaction

RTABEAOUT is a single event, produced by the ERP system, to provide address book e-mail information.

Transaction Specific Instructions

Event Name	RTABEAOUT
Event Description	RTABOUT Email Address
Event Type	RTE
Event Category	Single
Product Code	01
Reliable Delivery	1
Timeout Threshold	0
Data Structure	D0100085c (Address Book Email)
Event Relationship	Included in container event RTABOUT

Fields Included in the Real-Time Event

Data Item/Alias	Description	Data Type	Size	Element
AN8	mnAddressNumber	String	8	Address Number
IDLN	mnLineNumberID	Numeric	5	Who's Who Line Number – ID
ETP	szElectronicAddressType	String	4	Electronic Address Type
EMAL	szEmailAddressow	String	256	Email Address
RCK7	mnSequenceNumber70	Numeric	5	Line Number ID

Conceptual Approach

An address book e-mail record added, modified, or deleted in the J.D. Edwards ERP system creates a new record in the Electronic Address table (F01151).

Processes that can Initiate the Real-Time Event

- N0100041 – Address Book master business function
- P01111 – Contact Information E-mail application
- B0100085 – Address Book Real-Time Event notification function

RTPCOUT

Purpose of Transaction

RTPCOUT is a single event, produced by the ERP system, to provide parent/child information.

Transaction Specific Instructions

Event Name	RTPCOUT
Event Description	Parent Child Master Manage Notify
Event Type	RTE
Event Category	Single
Product Code	01
Reliable Delivery	1
Timeout Threshold	0
Data Structure	D0100079A

Fields Included in the Real-Time Event

Data Item/ Alias	Description	Data Type	Size	Element
ACTN	cActionCode	Char	1	Event action
AN8	mnAddressNumber	Numeric	8	Child number
PA8	mnAddressNumberParent	Numeric	8	Parent number
OSTP	szOrganizationTypeStructur[4]	String	3	Structure Type

Conceptual Approach

A parent child record added, changed, or deleted in the J.D. Edwards ERP system creates, modifies, or deletes a record in the Address Organization Structure Master table (F0150) (Parent/Child table).

Processes that can Initiate the Real-Time Event

- P0150 – A/B Org Structure Browse, maintenance application that initiates a table trigger that calls the following business function:
B0100079 – Parent Child Structure Master Manage Notify P0150 – A/B – Org Structure Browse (Parent Child application)

RTABOUT

Purpose of Transaction

RTABOUT is a single event, produced by the ERP system.

Transaction Specific Instructions

Event Name	RTABOUT	Comments
Event Description	Parent Child Master Manage Notify	
Event Type	RTE	
Event Category	Container	Container event for: RTABHDR (D0100085A) RTABPHOUT (D0100085B) RTABEAOUT (D0100085C)
Product Code	01	
Reliable Delivery	1	
Timeout Threshold	0	
Data Structure	D0100085A	

Fields Included in the Real-Time Event

Data Item/ Alias	Description	Data Type	Size	Element
ACTN	cActionCode;	Char	1	Event action
AN8	mnAddressNumber;	Numeric	8	Child number
PA8	mnAddressNumberParent;	Numeric	8	Parent number
OSTP	szOrganizationTypeStructur[4];	String	3	Structure Type

Conceptual Approach

A parent child record added, changed, or deleted in the J.D. Edwards ERP system creates a new, modifies, or deletes a record in the Parent Child table (F0150).

Processes that can Initiate the Real-Time Event

- N0100041 - Address Book master business function
- P0111 - Revise Who's Who
- P0115 - Revise Phone Numbers
- P01151 - Contact Information

Business Unit

- RTBUOUT

RTBUOUT

Purpose of transaction

RTBUOUT is a single event, produced by the ERP system, to provide business unit information.

Transaction Specific Instructions

Event Name	RTBUOUT	Comments
Event Description	RTBUOUT	
Event Type	RTE	
Event Category	Container	Container event for: RTBUOUTA (D0000600B) RTBUOUTB (D4101700B)
Product Code	H00	
Reliable Delivery	1	
Timeout Threshold	0	
Data Structure	D0000600B, D4101700B	
Event Relationship	Container Event	

Fields Included in the Real-Time Event

Data Item/ Alias	Description	Data Type	Size	Element
ACTN	Action Type	Char	1	ActionType
MCU	Business Unit	String	12	BusinessUnit
DL01	Description	String	30	Description
STYL	Business Unit Type	String	2	BusinessUnitType
CO	Company	String	5	Company
EV01	Flag	Char	1	IsAnInventoryBranch Plant
LNGP	Language Code	String	2	LanguageCode
DL01	Alternate Description	String	30	AlternateDescription

Conceptual Approach

A business unit record added, modified, or deleted in the J.D. Edwards ERP system creates, modifies, or deletes a record in the Business Unit table (F0006).

Processes that can Initiate the Real-Time Event

- P0006 - Business Units
- P41001 – Branch/Plant Constants
- P00065 - Translate Business Units
- R10480 - Journalize Consolidation Balances
- R10862 - Refresh Consolidation
- B0000105 - F0006D Update Business Unit Translation
- B0000107 - F0006D Edit Business Unit Translation
- B0000203 - F0006 Update Business Unit Category Codes from Address Book
- B0900156 - Delete F0006 Business Unit and F0006D Translations
- B1000012 – BusinessUnit ExistenceCheck
- B1000040 - Build Parent/Child Business Unit Cache

Company

- RTCOOUT

RTCOOUT

Purpose of Transaction

RTCOOUT is a single event, produced by the ERP system, to provide company information.

Transaction Specific Instructions

Event Name	RTCOOUT
Event Description	RTCOOUT
Event Type	RTE
Event Category	Single
Product Code	H00
Reliable Delivery	1
Timeout Threshold	0
Data Structure	D0000310B

Fields Included in the Real-Time Event

Data Item/ Alias	Description	Data Type	Size	Element
ACTN	Action Type	Char	1	ActionType
CO	Company	String	5	Company
NAME	Name	String	30	Name
CRCD	Currency Code - From	String	3	CurrencyCodeFrom

Conceptual Approach

A new company added in the ERP system creates a new record in the Company table (F0010). If a company is added or modified in a system, the information is sent through an XPI integration to another third-party system for add or update. If a company is deleted, the pertinent information is sent to the third-party, which will take the appropriate action. If applicable, the third-party integration must update the XPI cross-reference table in the process in order to tie together the key values from both systems.

Processes that can Initiate the Real-Time Event

- P0000 - System Setup
- P0010 - Companies
- B0000132 - Update Currency Conversion
- B0000024 - Global Update Company Period Number
- B03B0026 - Retrieve/Update A/R Constants

Customer

- ❑ RTCMOUT
- ❑ RTCMHDR
- ❑ RTCMPHOUT
- ❑ RTCMEAOUT
- ❑ RTCMCCOUT

RTCMOUT

Purpose of Transaction

RTCMOUT is used by the ERP system to inform or notify third-party systems of customer additions, changes, or deletions.

Transaction Specific Instructions

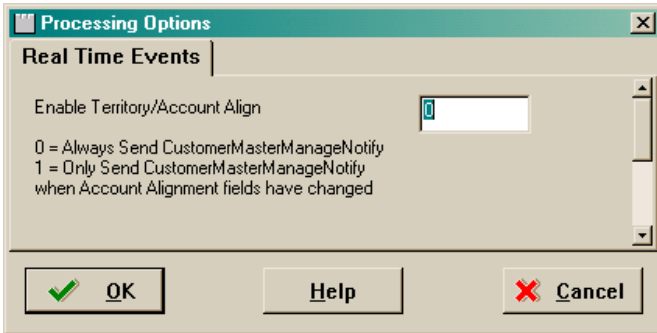
Event Name	RTCMOUT	Comments
Event Description	Customer Master Manage Notify	
Event Type	RTE	
Event Category	Container	Container event for: RTCMHDR (D0100077A) RTCMPHOUT (D0100077B) RTCMEOOUT (D0100077C) RTCMCCOUT (D0100077D)
Product Code	01	
Reliable Delivery	1	
Timeout Threshold	0	
Data Structure	D0100077A	

Please see the appropriate real-time event, described above), for more information about the fields, conceptual approach, and processes that can initiate the event.

Special Setup

A processing option for P0100077 allows users to only publish the CustomerMasterManageNotify_2_0 canonical event when changing any of the account alignment fields (Country, State, City, Postal Zip Code, and industry Classification).

Setup options:



RTCMOUT has some additional special setup requirements due to the logic in the real-time wrapper. The processing options for P0100077 version ZJDE0001 determine whether RTCMOUT is always sent or is only sent if certain fields are changed. The purpose of the processing option is to allow filtering of the outbound event, RTCMOUT. When the processing option is 0, blank, or null, no filtering occurs and RTCMOUT is sent whenever a change is made to a customer master record. If the processing option is 1, an event is sent only if one of the five territory alignment fields have been changed. Events always occur on an Add or Delete. The five territory alignment fields are Industry Classification Code, City, State, Zip, and Country. If one of these fields have changed and the filter is turned off, a flag is set in a cTerritoryAlign parameter in the event data structure. This flag is a signal to the XBP that something has changed in those five fields.

RTCMHDR

Purpose of Transaction

RTCMHDR is used by ERP.

Transaction Specific Instructions

Event Name	RTCMHDR
Event Description	Customer Master Header
Event Type	RTE
Event Category	Single
Product Code	01
Reliable Delivery	1
Timeout Threshold	0
Data Structure	D0100077A

Fields Included in the Real-Time Event

Data Item/Alias	Description	Data Type	Size	Element
ACTN	cActionCode;	Char	1	Action Type
AN8	mnAddressNumber;	Numeric	8	Customer
CO	szCompany	String	5	Company
ALPH	szNameAlpha	String	40	Customer Name
MCU	szBusinessUnit	String	12	Business Unit
AT1	szSearchType	String	3	Customer Type
BADT	cShipToSoldToFlag	Char	1	Billing Address Type
SIC	szStandardIndustryCode	String	10	Industry Classification Code
RMK	szRemark	String	30	Remark
LNG	szLanguageCode	String	2	Language
POPX	szCreatedBy	String	10	Person who created record
MLNM	szMailingName	String	40	Mailing Name

Data Item/Alias	Description	Data Type	Size	Element
ADD1	szAddressLine1	String	40	Address Line 1
ADD2	szAddressLine2	String	40	Address Line 2
ADD3	szAddressLine3	String	40	Address Line 3
ADD4	szAddressLine4	String	40	Address Line 4
CTY	szCity	String	25	City
COUN	szCountyAddress	String	25	County
ADDS	szState	String	3	State
ADDZ	szZipCodePostal	String	12	Zip Postal Code
CTR	szCountry	String	3	Country
PH1	szPhoneNumber	String	20	Phone Number
TAX2	szTaxArea	String	10	Tax Area
EXR2	szTaxExplanationCode	String	2	Tax Explanation Code
TAX	szTaxId	String	20	Tax Identification
CRCD	szCurrencyCode	String	4	Currency Code
EV01	cCustomerPORequired	Char	1	Customer PO Required
PH2	szPhoneNumber_2	String	20	Phone Number
PA8	mnParentNumber	Numeric	8	Parent
CM	szCreditMessage	String	2	Credit Message
EV01	cTerritoryAlign	Char	1	Territory Alignment Flag for CRM
PRGF	cPurgeFlag	Char	1	Purge Flag
BYAL	cBypassAuditLogging	Char	1	Bypass Audit Logging
BSC	szBuyingSegmentCode	String	10	Buying Segment Code
OPBO	szOPBusinessObjective	String	30	OP Business Objective
APSB	cAPSBusinessUnit	Char	1	APS Business Unit
EFTF	cEffectiveDateExistence	Char	1	Effective Date Existence
EFTB	jdDateBeginningEffective	Date	6	Date – Beginning Effective
SCCLTP	szShortcutClientType	String	2	Shortcut Client Type

Conceptual Approach

A customer record added, modified, or deleted in the ERP system creates a new record in a number of tables such as F03012 and F0101. A real-time notification event is triggered in the Customer Master or Address Book Master Business Function after data is modified to any customer table.

Processes that can Initiate the Real-Time Event

- N0100041 – Address Book MBF
- N0100042 – Customer Master MBF
- P0111 – Who's Who application
- P0115 – Phones application
- P01111 – Contact Information E-mail application
- B0100073 - Electronic Address – Phones business function B0100077 – Customer Master Real-Time Event notification function

RTCMPHOUT

Purpose of Transaction

RTCMPHOUT is used by the ERP system to inform third-party systems of customer phone number changes.

Transaction Specific Instructions

Event Name	RTCMPHOUT
Event Description	Customer Master Manage Notify – Phones structure
Event Type	RTE
Event Category	Single
Product Code	01
Reliable Delivery	1
Timeout Threshold	0
Data Structure	D0100077B

Fields Included in the Real-Time Event

Data Item/Alias	Description	Data Type	Size	Element
PHTP	szPhoneNumberType	String	4	Type of phone number (fax, home, work, etc)
PH1	szPhoneNumber	String	20	Phone number
RCK7	mnSequenceNumber	Numeric	8	Sequence number in F0115 table of record

Conceptual Approach

A phone number is changed in ERP system for a customer. This change is sent out via real-time events. This array allows an infinite number of phone numbers for a given customer.

Processes that can Initiate the Real-Time Event

- N0100041 – Address Book MBF
- N0100042 – Customer Master MBF
- P0111 – Who's who application
- P0115 – Phones application
- P01111 – Contact Information E-mail application
- B0100073 - Electronic Address – Phones business function
- B0100077 – Customer Master Real-Time Event notification function

RTCMEAOUT

Purpose of Transaction

RTCMEAOUT is used by the ERP system to inform third-party systems of customer e-mail address changes.

Transaction Specific Instructions

Event Name	RTCMEAOUT
Event Description	Customer Master Manage Notify – E-mail structure
Event Type	RTE
Event Category	Single
Product Code	01
Reliable Delivery	1
Timeout Threshold	0
Data Structure	D0100077C

Fields Included in the Real-Time Event

Data Item/Alias	Description	Data Type	Size	Element
AN8	mnAddressNumber	Numeric	8	Address number of customer
IDLN	mnLineNumberID	Numeric	8	whos who number of customer
RCK7	mnSequenceNumber70	Numeric	8	Sequence number of record in F01151 table
	szElectronicAddressType	String	4	Type of electronic address such as e-mail or URL
EMAL	szEmailAddressow	String	256	Email address or URL

Conceptual Approach

An e-mail address is added or changed in the ERP system for a customer. This change is sent out via real-time events. This array allows an infinite number of e-mail addresses for a given customer.

Processes that can Initiate the Real-Time Event

- N0100041 – Address Book MBF
- N0100042 – Customer Master MBF
- P0111 – Who's Who application
- P0115 – Phones application
- P01111 – Contact Information E-mail application
- B0100073 - Electronic Address – Phones business function
- B0100077 – Customer Master Real-Time Event notification function

RTCMCCOUT

Purpose of Transaction

RTCMCCOUT is used by the ERP system to inform third-party systems of customer category code changes.

Transaction Specific Instructions

Event Name	RTCMCCOUT
Event Description	Customer Master Manage Notify – Category Code Structure
Event Type	RTE
Event Category	Single
Product Code	01
Reliable Delivery	1
Timeout Threshold	0
Data Structure	D0100077D

Fields Included in the Real-Time Event

Data Item/Alias	Description	Data Type	Size	Element
AN8	mnAddressNumber	Numeric	8	Customer Address Number
AC01	szReportCodeAddBook001	String	3	Customer Category Code
AC02	szReportCodeAddBook002	String	3	Customer Category Code
AC03	szReportCodeAddBook003	String	3	Customer Category Code
AC04	szReportCodeAddBook004	String	3	Customer Category Code
AC05	szReportCodeAddBook005	String	3	Customer Category Code
AC06	szReportCodeAddBook006	String	3	Customer Category Code
AC07	szReportCodeAddBook007	String	3	Customer Category Code
AC08	szReportCodeAddBook008	String	3	Customer Category Code
AC09	szReportCodeAddBook009	String	3	Customer Category Code

Data Item/Alias	Description	Data Type	Size	Element
AC10	szReportCodeAddBook010	String	3	Customer Category Code
AC11	szReportCodeAddBook011	String	3	Customer Category Code
AC12	szReportCodeAddBook012	String	3	Customer Category Code
AC13	szReportCodeAddBook013	String	3	Customer Category Code
AC14	szReportCodeAddBook014	String	3	Customer Category Code
AC15	szReportCodeAddBook015	String	3	Customer Category Code
AC16	szReportCodeAddBook016	String	3	Customer Category Code
AC17	szReportCodeAddBook017	String	3	Customer Category Code
AC18	szReportCodeAddBook018	String	3	Customer Category Code
AC19	szReportCodeAddBook019	String	3	Customer Category Code
AC20	szReportCodeAddBook020	String	3	Customer Category Code
AC21	szCategoryCodeAddressBook2	String	3	Customer Category Code
AC22	szCategoryCodeAddressBk22	String	3	Customer Category Code
AC23	szCategoryCodeAddressBk23	String	3	Customer Category Code
AC24	szCategoryCodeAddressBk24	String	3	Customer Category Code
AC25	szCategoryCodeAddressBk25	String	3	Customer Category Code
AC26	szCategoryCodeAddressBk26	String	3	Customer Category Code
AC27	szCategoryCodeAddressBk27	String	3	Customer Category Code
AC28	szCategoryCodeAddressBk28	String	3	Customer Category Code
AC29	szCategoryCodeAddressBk29	String	3	Customer Category Code
AC30	szCategoryCodeAddressBk30	String	3	Customer Category Code

Conceptual Approach

A customer's category code data is added or changed in the ERP system. This change is sent out via real-time events.

Processes that can Initiate the Real-Time Event

- N0100041 – Address Book MBF
- N0100042 – Customer Master MBF

- P0111 – Who's Who application
- P0115 – Phones application
- P01111 – Contact Information E-mail application
- B0100073 - Electronic Address – Phones business function
- B0100077 – Customer Master Real-Time Event notification function

Financials

- ❑ RTAMOUT
- ❑ RTRAOUT
- ❑ RTRAHDR
- ❑ RTRADTL
- ❑ RTDAOUT
- ❑ RTDADTL

RTAMOUT

Purpose of Transaction

RTAMOUT is used by the ERP system to inform third-party systems of item additions, changes, or deletions of accounts in order to keep the two systems synchronized.

Transaction Specific Instructions

Event Name	RTAMOUT
Event Description	RTAMOUT
Event Type	RTE
Event Category	Single
Product Code	H09
Reliable Delivery	1
Timeout Threshold	0
Data Structure	D0900170A

Fields Included in the Real-Time Event

Data Item/ Alias	Description	Data Type	Size	Element
ACTN	Action Type	Char	1	ActionType
CO	Company	String	5	Company
AID	Account Id	String	8	AccountId
MCU	Business Unit	String	12	BusinessUnit
OBJ	Object Account	String	6	ObjectAccount
SUB	Subsidiary	String	8	Subsidiary
ANI	General Ledger Account	String	29	GeneralLedgerAccount
DL01	Description	String	30	Description
PEC	Posting Edit Code	Char	1	PostingEditCode
FMOD	Is Account A Model	Char	1	IsAccountAModel
FMOD	Is Account A Consolidation	Char	1	IsAccountAConsolidation

Data Item/ Alias	Description	Data Type	Size	Element
N/A	Action Type	Char	1	ActionType
LNGP	Language Code	String	2	LanguageCode
DL01	Alternate Description	String	30	AlternateDescription

Conceptual Approach

A new general ledger account added in the ERP system creates a new record in F0901. The user can create an alternate description for this account by language preference that is stored in table F0901D. If an account is added or modified in a system, the information is sent through an XPI integration to another third-party system for add or update. If an account is deleted, the pertinent information is sent to the third-party, which will take the appropriate action. If applicable, the third-party integration must update the XPI cross-reference table in the process in order to tie together the key values from both systems.

Processes that can Initiate the Real-Time Event

- P0901 - Accounts
- R0006QD - Update F0901 as Model Base on Table F0006
- R09803 - Global Account Number Update
- R09805 - Global Subsidiary Update
- R09813 - Change Account Information
- R09814 - Delete Account Master Records
- R10861 - Delete Prior Consolidation
- B0900053 - Duplicate Business Unit
- B0900073 - Dynamic Account Creation
- B0900075 - F0901D Update Account Translation
- B0900077 - F0901D Edit Account Translation
- B0900155 - Delete Account F0901/F0901D/F0902/F0911 Records
- B1400009 - Global Budget Pattern Code Update

RTRAOUT

Purpose of Transaction

- RTRAOUT is an aggregate event for the following single events: RTRAHDR and RTRADTL.
- RTRAHDR and RTRADTL are both single events that are part of the RTRAOUT aggregate event.
- RTRAOUT is an aggregate event that contains A/P Payment Remittance Advice header and detail information.
- RTRAHDR is a single event that contains A/P Payment Remittance Advice header information that can be used by another system.
- RTRADTL is a single event that contains A/P Payment Remittance Advice detail information that can be used by another system.

Transaction Specific Instructions

Event Name	RTRAOUT	Comments
Event Description	RTRAOUT Header	
Event Type	RTE	
Event Category	Container	Container event for: RTRAHDR (D0400169A) RTRADTL (D0400169B)
Product Code	04	
Reliable Delivery	1	
Timeout Threshold	0	
Data Structure	D0400169A – Remittance Advice Header	

Fields Included in the Real-Time Event

Data Item/Alias	Description	Data Type	Size	Element
PYID	mnPaymentID	Numeric	15	Payment
AN8	mnBillTo	Numeric	8	Bill To

Data Item/Alias	Description	Data Type	Size	Element
ALKY	szBillToDescriptive	String	20	Bill To Descriptive
PA8	mnParentPayee	Numeric	8	Parent Payee
ALKY	szParentPayeeDescriptive	String	20	Parent Payee Descriptive
AN8	mnPayee	String	8	Payee
ALKY	szPayeeDescriptive	String	20	Payee Descriptive
CRCD	szCurrencyCode	String	3	Currency Code
PAAP	mnTotalPaymentAmount	Numeric	15	Total Payment Amount
ADSA	mnTotalDiscountAmount	Numeric	15	Total Discount Amount
DGJ	jdPaymentDate	Date	6	Payment Date
DOCM	mnCheckNumber	Numeric	8	Check Number
CBNK	szFromAccountNumber	String	20	From Bank Account Number
TSNT	szFromTransitNumber	String	20	From Transit Number
PYIN	cPaymentInstrument	String	1	Payment Instrument
CBNK	szToAccountNumber	String	20	To Bank Account Number
TSNT	szToTransitNumber	String	20	To Transit Number

Conceptual Approach

An A/P payment made in the ERP system updates new records in the F0413 and F0414 tables. A real-time notification event is triggered in the A/P Payments system after this payment is made in the ERP system tables.

The Send Method field (A6CRMD) in the Supplier Master table (F0401) is used to control whether J.D. Edwards sends a RemittanceAdviceNotify real-time event notification when RTRAOUT is enabled. A real-time event notification will be sent only if supplier has a value of '5' in the Send Method field.

Processes that can Initiate the Real-Time Event

- B0400394 – Update Automatic Payments
- B0400169 – Remittance Advice Real-Time Event Notification
- B0400047 – Voucher Entry Master Business Function
- P0413M – A/P Manual Payments
- N0400061 – Remittance Advice Notification For Manual Payments

Special Setup

Suppliers who want to receive remittance advice notification must be set up to receive external events. To receive external events, set "Send Methods" = to 5 (External Events) on the EDI information tab in the Supplier Master program (P04012).

RTRAHDR

Purpose of Transaction

RTRAHDR is a single event that contains A/P Payment Remittance Advice header information that can be used by another system.

Transaction Specific Instructions

Event Name	RTRAHDR
Event Description	RTRAOUT Header
Event Type	RTE
Event Category	Single
Product Code	04
Reliable Delivery	1
Timeout Threshold	0
Data Structure	D0400169A – Remittance Advice Header

Fields Included in the Real-Time Event

Data Item/	Description	Data Type	Size	Element
PYID	mnPaymentID	Numeric	15	Payment
AN8	mnBillTo	Numeric	8	Bill To
ALKY	szBillToDescriptive	String	20	Bill To Descriptive
PA8	mnParentPayee	Numeric	8	Parent Payee
ALKY	szParentPayeeDescriptive	String	20	Parent Payee Descriptive
AN8	mnPayee	String	8	Payee
ALKY	szPayeeDescriptive	String	20	Payee Descriptive
CRCD	szCurrencyCode	String	3	Currency Code
PAAP	mnTotalPaymentAmount	Numeric	15	Total Payment Amount
ADSA	mnTotalDiscountAmount	Numeric	15	Total Discount Amount
DGJ	jdPaymentDate	Date	6	Payment Date
DOCM	mnCheckNumber	Numeric	8	Check Number

Data Item/	Description	Data Type	Size	Element
CBNK	szFromAccountNumber	String	20	From Bank Account Number
TSNT	szFromTransitNumber	String	20	From Transit Number
PYIN	cPaymentInstrument	String	1	Payment Instrument
CBNK	szToAccountNumber	String	20	To Bank Account Number
TSNT	szToTransitNumber	String	20	To Transit Number

Conceptual Approach

An A/P payment made in the ERP system updates new records in the F0413 and F0414 tables. A real-time notification event is triggered in the A/P Payments system after payment is made in the ERP system tables.

Processes that can Initiate the Real-Time Event

- B0400394 – Update Automatic Payments
- B0400169 – Remittance Advice Real-Time Event Notification
- B0400047 – Voucher Entry Master Business Function
- P0413M – A/P Manual Payments
- N0400061 – Remittance Advice Notification For Manual Payments

RTRADTL

Purpose of Transaction

RTRADTL is a single event that contains A/P Payment Remittance Advice detail information that can be used by another system.

Transaction Specific Instructions

Event Name	RTRADTL
Event Description	RTRAOUT Detail
Event Type	RTE
Event Category	Single
Product Code	04
Reliable Delivery	1
Timeout Threshold	0
Data Structure	D0400169B – Remittance Advice Detail

Fields Included in the Real-Time Event

Data Item/Alias	Description	Data Type	Size	Element
PYID	mnPaymentID	Numeric	15	Payment ID
RC5	mnPaymentLineNumber	Numeric	5	Payment Line Number
VINV	szSupplierInvoiceNumber	String	25	Supplier Invoice Number
RMK	szRemark	String	30	Remark
DOC	mnDocumentNumber	Numeric	8	Document Number
DCT	szDocumentType	String	2	Document Type
KCO	szDocumentCompany	String	5	Document Co.
PAAP	mnPaymentAmount	Numeric	15	Payment Amount
ADSA	mnDiscountAmount	Numeric	15	Discount Amount
DIVJ	jdInvoiceDate	Date	6	Date of Invoice

Conceptual Approach

An A/P payment made in the ERP system updates new records in the F0413 and F0414 tables. A detailed real-time notification event is triggered in the A/P Payments System after a payment is made in the ERP system tables.

Processes that can Initiate the Real-Time Event

- B0400394 – Update Automatic Payments
- B0400169 – Remittance Advice Real Time Event Notification
- B0400047 – Voucher Entry Master Business Function
- P0413M – A/P Manual Payments
- N0400061 – Remittance Advice Notification For Manual Payments

RTDAOUT

Purpose of Transaction

RTDAOUT is used by the ERP system.

Transaction Specific Instructions

Event Name	RTDAOUT	Comments
Event Description	RTDAOUT	
Event Type	RTE	
Event Category	Container	Container event for: RTDADTL (D03B0208B)
Product Code	H03B	
Reliable Delivery	1	
Timeout Threshold	0	
Data Structure	D03B0208B (Deduction Activity Record)	

Fields Included in the Real-Time Event

Data Item/ Alias	Description	Data Type	Size	Element
ACTN	CActionCode	Character	1	Value can be 'A', or 'C', or 'D'.
DCID	DeductionId	Numeric	15	Deduction ID of record
DDDO	Deduction Opened Date	Date	6	
DDOA	Deduction Open Amount	Numeric	15	
AN8	Address Book Number	Numeric	8	
CRCD	Currency Code	String	3	
DDEX	Deduction Reason Code	String	2	
SPHD	Special Handling Reason Code	String	10	

Conceptual Approach

Deduction processing creates a new record in the F03B40 (A/R Deduction Management) table. An UBE (R45730) is run to select the appropriate deduction records and to trigger a real-time notification for the XPI integration. The XPI integration then publishes a notify event indicating that deductions were created in the A/R Deduction Management table. This event contains the recently selected deduction and its pertinent information.

Processes that can Initiate the Real-Time Event

R45730 (Extract and Export Open Siebel Deductions) will call the real-time event wrapper - B03B0208 (Deductions Activity Real Time Event Notification) to initiate the real-time event.

RTDADTL

Purpose of Transaction

RTDADTL is used by the ERP system.

Transaction Specific Instructions

Event Name	RTDADTL
Event Description	RTDADTL
Event Type	RTE
Event Category	Single
Product Code	H03B
Reliable Delivery	1
Timeout Threshold	0
Data Structure	D03B0208B (Deduction Activity Record)

Fields Included in the Real-Time Event

Data Item/ Alias	Description	Data Type	Size	Element
ACTN	cActionCode	Character	1	Value can be 'A', or 'C', or 'D'.
DCID	DeductionId	Numeric	15	Deduction ID of record
DDDO	Deduction Opened Date	Date	6	Deduction Opened Date
DDOA	Deduction Open Amount	Numeric	15	Deduction Open Amount
AN8	Address Book Number	Numeric	8	Address Book Number
CRCD	Currency Code	String	3	Currency Code
DDEX	Deduction Reason Code	String	2	Deduction Reason Code
SPHD	Special Handling Reason Code	String	10	

Conceptual Approach

Deduction processing creates a new record in the F03B40 (A/R Deduction Management) table. A UBE (R45730) is run to select the appropriate deduction records and to trigger a real-time notification for the XPI integration. The XPI integration then publishes a notify event

indicating that deductions were created in the A/R Deduction Management table. This event contains the recently selected deduction and its pertinent information.

Processes that can Initiate the Real-Time Event

R45730 (Extract and Export Open Siebel Deductions) calls the real time event wrapper - B03B0208 (Deductions Activity Real Time Event Notification) to initiate the real-time event.

Inventory

- RTIMOUT
- RTIBOUT

RTIMOUT

Purpose of Transaction

RTIMOUT is used by the ERP system to inform or notify third-party systems of item additions, changes, or deletions in order to keep the two systems synchronized.

Transaction Specific Instructions

Event Name	RTIMOUT	Comments
Event Description	Item Master Manage Notify	
Event Type	RTE	
Event Category	Container	Container event for: RTIMOUTA (D4102150B)
Product Code	H41	
Reliable Delivery	0	
Timeout Threshold	Recommendation	
Data Structure	D4102150B	

Fields Included in the Real-Time Event

Data Item/ Alias	Description	Data Type	Size	Element
ACTN	cOrderAction	Char	1	Value of '1', '2', or '3' '1' is Add '2' is Change '3' is Delete
MCU	szBusinessUnit	String	12	Business Unit
ITM	mnShortItemNumber	Numeric	8	Item Number
STKT	cStockingType	Char	1	Stocking Type
LITM	szProductItem	String	25	Product Item Number
AITM	szCatalogItem	String	25	Catalog Item Number
DSC1	szDescription1	String	30	Item Description
DSC2	szDescription2	String	30	Item Description

Data Item/ Alias	Description	Data Type	Size	Element
UOM1	szPrimaryUnitofMeasure	String	2	Unit of Measure

Conceptual Approach

A new item master or item branch added in the ERP system creates a new record in the Item Master table (F4101) or the Item Branch table (F4102). A real-time notification event is triggered in the maintenance application after item master or item branch information is added to either table.

Processes that can Initiate the Real-Time Event

- B4102150 – Item Master Real-Time Event Notify
- N4101070 – Update Item Process Data
- B4100340 – Update Item Branch Item
- B4100290 – Insert Item Master Row
- N4101130 – Workflow Update Approved Item Master Change
- B4100840 – F4102 Update Item Branch Record
- P4101N – Non Stock Item Master
- R4101P – Item Master Purge (F4101)
- XT4111Z1 – Inventory Transactions

RTIBOUT

Purpose of Transaction

RTIBOUT is used by the ERP system to inform or notify third-party systems when an item location has been added, changed, or deleted in order to keep the two systems synchronized. Adding an Item Balance record that does not have quantity information or deleting an Item Balance record will not be published.

Transaction Specific Instructions

Event Name	RTIBOUT
Event Description	Item Balance Manage Notify
Event Type	RTE
Event Category	Container
Product Code	41
Reliable Delivery	1
Timeout Threshold	0
Data Structure	D4101660A

Fields Included in the Real-Time Event

Data Item/ Alias	Description	Data Type	Size	Element
ACTN	cActionCode	Character	1	Value of '1', '2', or '3' '1' is Add '2' is Change '3' is Delete
ITM	mnItemNumberShort	Numeric	8	Populate with short item number
MCU	szBranchPlant	String	12	Business Unit
LOCN	SzLocation	String	20	Location
LOTN	SzLotNumber	String	30	Lot/Serial Number
PBIN	cPrimaryBinPS	Character	1	Primary Location (P/S)
LOTS	cLotStatusCode	Character	1	Lot Status Code

Data Item/ Alias	Description	Data Type	Size	Element
PQOH	mnQtyOnHandPrimaryU	Numeric	15	Quantity on Hand – Primary Units
PBCK	mnQtyBackorderedInPri	Numeric	15	Quantity on Backorder
PREQ	mnQtyOnPurchaseOrderPr	Numeric	15	Quantity on PO – Primary Units
QWBO	mnQuantityOnWoReceipt	Numeric	15	Quantity on WO Receipt
OT1P	mnQty1OtherPrimaryUn	Numeric	15	Quantity 1 – Other Primary Units
OT2P	mnQty2OtherPrimaryUn	Numeric	15	Quantity 2 – Other Primary Units
OT1A	mnQtyOtherPurchasing1	Numeric	15	Quantity – Other Purchasing 1
HCOM	mnQtyHardCommitted	Numeric	15	Quantity – Hard Committed
PCOM	mnQuantitySoftCommitted	Numeric	15	Quantity – Soft Committed
FCOM	mnQtyOnFutureCommit	Numeric	15	Quantity on Future Commit
FUN1	mnWorkOrderSoftCommit	Numeric	15	Quantity – WO Soft Commit
QOWO	mnQuantityOnWorkorder	Numeric	15	Quantity – WO Hard Commit
QTTR	mnQtyInTranPrimaryUn	Numeric	15	Units In Transit – Primary Units
QTIN	mnQtyInInspPrimaryUn	Numeric	15	Units In Inspection – Primary Units
QONL	mnQuantityOnLoanToMa	Numeric	15	Quantity on Loan to Manufacturing
QTRI	mnQuantityInboundWareh	Numeric	15	Quantity Inbound – Warehouse
QTRO	mnQuantityOutboundWare	Numeric	15	Quantity Outbound – Warehouse
QTY1	MnFutureUseQuantity	Numeric	15	Future Use Quantity
QTY2	mnFutureUseQuantity2	Numeric	15	Future Use Quantity 2
QT01	mnQtyInOperation01	Numeric	15	Units in Operation 1 – Primary Units
QT02	mnQtyInOperation02	Numeric	15	Units in Operation 1 – Primary Units

Data Item/ Alias	Description	Data Type	Size	Element
UPMJ	jdDateUpdated	Date	6	Used for APS
TDAY	mnTimeUpdated	Numeric	6	Used for APS
CMUM	szPlanningUOM	String	2	Used for APS
TRQT	mnPlanningQuantity	Numeric	15	Used for APS
EV01	cAPSFlag	Character	1	Use 1 if it is an APS transaction
EV01	cAPSSupplyDemandFlag	Character	1	Use 1 if it is verified through inclusion rules

Conceptual Approach

An inventory location that has been added, changed, or deleted in the ERP system will update the Item Location (F41021) table. When an item balance record is modified, an RTIBOUT real-time event notification is published.

Currently, there are no canonicals defined for this real-time event, and it is only used by the APS integration.

Processes that can Initiate the Real-Time Event

- B4101440 – Item Balance Real-Time Event Notify
- XT4111Z1 – Inventory Transactions
- XF41021 – Update F41021 Locations
- B3100160 – Adjust Quantity on Work Order
- B4100220 – Update Primary Location
- B4100430 – Update Misc F41021 Fields
- B4100630 – Update Item Commits To Zero
- B4101370 – F41021 Update Quantities
- B4200370 – Commit Sales Order to Inventory
- N3101470 – R3190 Update Item Location and Parts List
- N4202100 – F41021 Commitments Processing
- R31420 – Automatic Work Order Inventory Issues
- R3190 – Repost Open Work Orders

Manufacturing

- RTWOOUT
- RTWOHDR

RTWOOUT

Purpose of Transaction

RTWOOUT is used by the ERP system to inform third-party systems when a work order has been added, changed, or deleted in order to keep the two systems synchronized.

Transaction Specific Instructions

Event Name	RTWOOUT	Comments
Event Description	Work Order Manage Notify	
Event Type	RTE	
Event Category	Container	Contains the following events: RTWOHDR (D3102360A)
Product Code	31	
Reliable Delivery	0	
Timeout Threshold	Recommendation	
Data Structure	D3102360A Work Order Real Time Event Notification	

Fields Included in the Real-Time Event

Data Item/ Alias	Description	Data Type	Size	Element
ACTN	cEventNotificationActionCode	Character	1	Value of '1', '2', or '3'. '1' is Add '2' is Change '3' is Delete
DOCO	mnOrderNumber	Numeric	8	Order Number
DCTO	szOrderType	String	3	Order Type
MMCU	szBranchPlant	String	12	Business Unit
SRST	szWOSstatus	String	2	Status
STRT	jdStartDate	Date	6	Start Date
DRQJ	jdRequestDate	Date	6	Request Date

Data Item/ Alias	Description	Data Type	Size	Element
TRDJ	jdTransactionDate	Date	6	Transaction Date
ITM	mnShortItemNumber	Numeric	8	Short Item Number
LITM	szSecondItemNumber	String	25	Second Item Number
AITM	szThirdItemNumber	String	25	Third Item Number
UORG	mnQuantityOrdered	Numeric	15	Quantity Ordered
SOQS	mnQuantityCompletedShipped	Numeric	15	Quantity Shipped
SOCN	mnQuantityScrappedCanceled	Numeric	15	Quantity Canceled
SOBK	mnQuantityBackorderedHeld	Numeric	15	Quantity Backordered
TRQT	mnTransactionOpenQuantity	Numeric	15	Quantity Ordered – Quantity Shippend – Quantity Canceled
UOM	szTransactionUOM	String	2	Unit Of Measure
UNCD	cFreezeCode	Character	1	Freeze Code
SFXO	szOrderSuffix	String	3	Order Suffix
DCT	szDocumentType	String	3	Document Type
TYPS	cTypeWO	Character	1	Type
PRTS	cPriorityWO	Character	1	Priority
LOCN	szLocation	String	20	Location
LOTN	szLotNumber	String	30	Lot/Serial
SHNO	szMessageNumber	String	10	Message No
VR01	szReference	String	25	Reference
RORN	szRelatedOrderNumber	String	8	Associated SO Number
RCTO	szRelatedOrderType	String	2	Associated SO Type
RKCO	szRelatedOrderCompany	String	5	Associated SO Company
LNID	mnRelatedLineNumber	Numeric	6	Associated SO Line
DL01	szWorkOrderDescription	String	30	Description
PARS	szParentOrderNumber	String	8	Parent WO
WR01	szWOCategoryCode001	String	4	Phase
WR02	szWOCategoryCode002	String	4	Category 02

Data Item/ Alias	Description	Data Type	Size	Element
WR03	szWOCategoryCode003	String	4	Category 03
WR04	szWOCategoryCode004	String	4	Category 04
WR05	szWOCategoryCode005	String	4	Category 05
VFWO	cFirmWorkOrder	Char	1	Firm Work Order
UPJM	jdDateUpdated	Date	6	Used for APS
TDAY	mnTimeUpdated	Numeric	6	Used for APS
CMUM	szPlanningUOM[3]	Numeric	15	Used for APS
TRQT	mnPlanningQuantity	Numeric	15	Used for APS
	cWOChangeAllowed			
	cWOStatusFlag			
EV01	cAPSFlag	Char	1	Use 1 if it is an APS transaction
EV01	cAPSSupplyDemandFlag	Char	1	Use 1 if it is verified through inclusion rules

Conceptual Approach

A work order that has been added, changed, or deleted in the ERP system updates the Work Order Header (F4801) table. When a work order record has been modified, a RTWOOUT real-time event notification is published.

Currently, there are no canonicals defined for this real-time event, and it is only used by the APS integration.

Processes that can Initiate the Real-Time Event

- B3102360 – Work Order Real-Time Event Notification
- B3100790 – Work Order Inventory Issues
- B3101030 – Purge Work Order Data
- B3101060 – F3112, F31122 Super Backflush
- N4202020 – F4211 Update Work Order Status
- P31225 – Manufacturing Scheduling Workbench
- X4801 – X4801 Work Order Entry

RTWOHDR

Purpose of Transaction

RTWOHDR is used by the ERP system.

Transaction Specific Instructions

Event Name	RTWOHDR
Event Description	Work Order Header
Event Type	RTE
Event Category	Single
Product Code	H31
Reliable Delivery	1
Timeout Threshold	0
Data Structure	D3102360A

Fields Included in the Real-Time Event

Data Item/ Alias	Description	Data Type	Size	Element
ACTN	cEventNotificationActionCode	Character	1	Value of '1', '2', or '3'. '1' is Add '2' is Change '3' is Delete
DOCO	mnOrderNumber	Numeric	8	Order Number
DCTO	szOrderType	String	3	Order Type
MMCU	szBranchPlant	String	12	Business Unit
SRST	szWOStatus	String	2	Status
STRT	jdStartDate	Date	6	Start Date
DRQJ	jdRequestDate	Date	6	Request Date
TRDJ	jdTransactionDate	Date	6	Transaction Date

Data Item/ Alias	Description	Data Type	Size	Element
ITM	mnShortItemNumber	Numeric	8	Short Item Number
LITM	szSecondItemNumber	String	25	Second Item Number
AITM	szThirdItemNumber	String	25	Third Item Number
UORG	mnQuantityOrdered	Numeric	15	Quantity Ordered
SOQS	mnQuantityCompletedShipped	Numeric	15	Quantity Shipped
SOCN	mnQuantityScrappedCanceled	Numeric	15	Quantity Canceled
SOBK	mnQuantityBackorderedHeld	Numeric	15	Quantity Backordered
TRQT	mnTransactionOpenQuantity	Numeric	15	Quantity Ordered – Quantity Shippend – Quantity Canceled
UOM	szTransactionUOM	String	2	Unit Of Measure
UNCD	cFreezeCode	Character	1	Freeze Code
SFXO	szOrderSuffix	String	3	Order Suffix
DCT	szDocumentType	String	3	Document Type
TYPS	cTypeWO	Character	1	Type
PRTS	cPriorityWO	Character	1	Priority
LOCN	szLocation	String	20	Location
LOTN	szLotNumber	String	30	Lot/Serial
SHNO	szMessageNumber	String	10	Message No
VR01	szReference	String	25	Reference
RORN	szRelatedOrderNumber	String	8	Associated SO Number
RCTO	szRelatedOrderType	String	2	Associated SO Type
RKCO	szRelatedOrderCompany	String	5	Associated SO Company
LNID	mnRelatedLineNumber	Numeric	6	Associated SO Line
DL01	szWorkOrderDescription	String	30	Description
PARS	szParentOrderNumber	String	8	Parent WO
WR01	szWOCategoryCode001	String	4	Phase
WR02	szWOCategoryCode002	String	4	Category 02
WR03	szWOCategoryCode003	String	4	Category 03

Data Item/ Alias	Description	Data Type	Size	Element
WR04	szWOCategoryCode004	String	4	Category 04
WR05	szWOCategoryCode005	String	4	Category 05
VFWO	cFirmWorkOrder	Char	1	Firm Work Order
UPJM	jdDateUpdated	Date	6	Used for APS
TDAY	mnTimeUpdated	Numeric	6	Used for APS
CMUM	szPlanningUOM[3]	Numeric	15	Used for APS
TRQT	mnPlanningQuantity	Numeric	15	Used for APS
	cWOChangeAllowed			
	cWOStatusFlag			
EV01	cAPSFlag	Char	1	Use 1 if it is an APS transaction
EV01	cAPSSupplyDemandFlag	Char	1	Use 1 if it is verified through inclusion rules

Conceptual Approach

This real-time event is triggered when a work order header is changed.

Processes that can Initiate the Real-Time Event

Any process that changes the fields listed above on a work order header can initiate the real-time event. For example:

- Work Order Entry
- Inventory Issues
- Shop Floor Workbench

Procurement

- ❑ RTPOOUT
- ❑ RTPOHDR
- ❑ RTPODTL

RTPOOUT

Purpose of Transaction

RTPOOUT is used by the ERP system.

Transaction Specific Instructions

Event Name	RTPOOUT	Comments
Event Description	RTPOOUT	
Event Type	RTE	
Event Category	Container	Container event for: RTPOHDR (D4302470A) RTPODTL (D4302470B)
Product Code	H43	
Reliable Delivery	1	
Timeout Threshold	0	
Data Structure	D4302470A (Purchase Order Header)	

Fields Included in the Real-Time Event

Please see the appropriate single event (identified in the above table) for the fields.

Conceptual Approach

A new purchase order creates a new record in the Purchase Order Header table (F4301) and the Purchase Order Detail table (F4311). A real-time notification is triggered whenever there is an insert in these tables. Also, this event is triggered whenever an exiting purchase order is updated and there is an update to tables F4301 and F4311.

Processes that can Initiate the Real-Time Event

- P43025 – PO Speed Status Update
- P43060 – Blanket Order Release
- P43081 – Purchase Order Approvals
- P43100 – Purchasing Date Revisions

Special Setup

To use this XBP to publish the ProcurementOrderManageNotify_2_0 event, the following three important areas are required for data setup:

- The Supplier's Correspondence Method (F0401.CRMD, sometimes called Send Method) must be set to 5.
- The Document Type of the purchase order must be set up to publish externally. Use the P40040 application to inquire on a document type and to turn on the publish externally check box on the Purchasing tab of the Document Type Revisions form.
- Currently all procurement integrations that need processing options use the processing options for P43XPI-ZJDE0001. This XBP uses the first two processing options on the Order Statuses tab. With these options you can set the range of allowed order statuses that can be published externally. Order Status 999 is valid outside of the dictated range. The canonical has a grouping titled Miscellaneous, which is inside the Header grouping. Within this grouping there is an element named ExternalEvent. This element is set to 1 if the above three conditions are met when the purchase order is being processed. This in turn enables Inter-Enterprise XPI to process it as an order that will be sent to the supplier electronically.

RTPOHDR

Purpose of Transaction

RTPOHDR is used by the ERP system.

Transaction Specific Instructions

Event Name	RTPOHDR
Event Description	RTPOOUT Header
Event Type	RTE
Event Category	Single
Product Code	H43
Reliable Delivery	1
Timeout Threshold	0
Data Structure	D4302470A (Purchase Order Header)

Fields Included in the Real-Time Event

Data Item/ Alias	Description	Data Type	Size	Element
DCTO	OrderType	char	2	Order Type
KCOO	OrderCompany	char	5	Order Company (Order Number)
SFXO	OrderSuffix	char	3	Order Suffix
MCU	BranchPlant	char	12	Business Unit
AN8	SupplierAddressNumber	MATH_NUMERIC	8	Address Number
SHAN	ShipToAddressNumber	MATH_NUMERIC	8	Address Number - Ship to
MLNM	ShipToMailingName	char	40	Name - Mailing
ADD1	ShipToAddressLine1	char	40	Address Line1
ADD2	ShipToAddressLine2	char	40	Address Line2
ADD3	ShipToAddressLine3	char	40	Address Line3
ADD4	ShipToAddressLine4	char	40	Address Line4

Data Item/ Alias	Description	Data Type	Size	Element
CTY1	ShipToCity	char	23	City
COUN	ShipToCounty	char	23	County
ADDS	ShipToState	char	3	State
DOCO	OrderNumber	MATH_NUMERIC	8	Document (Order No, Invoice, etc)
ACTN	OrderAction	char	1	Action Code
ADDZ	ShipToPostalCode	char	12	Postal Code
CTR	ShipToCountry	char	3	Country
CRCD	CurrencyCode	char	3	Currency Code - From
ORBY	OrderedBy	char	10	Ordered By
TKBY	OrderTakenBy	char	10	Order Taken By
OORN	OriginalPOSONumber	char	8	Original Order Number
HOLD	HoldCode	char	2	Hold Orders Code
CRR	ExchangeRate	MATH_NUMERIC	15	Currency Conversion Rate - Spot Rate
PTC	PaymentTerms	char	3	Payment Terms Code
TXA1	TaxArea1	char	10	Tax Rate/Area
EXR1	TaxExplanationCode	char	2	Tax Expl Code 1
MLNM	SupplierMailingName	char	40	Name - Mailing
ADD1	SupplierAddressLine1	char	40	Address Line 1
ADD2	SupplierAddressLine2	char	40	Address Line 2
ADD3	SupplierAddressLine3	char	40	Address Line 3
ADD4	SupplierAddressLine4	char	40	Address Line 4
CTY1	SupplierCity	char	25	City
COUN	SupplierCounty	char	25	County
ADDS	SupplierState	char	3	State
ADDZ	ZipCodePostalCode	char	12	Postal Code
CTR	SupplierCountry	char	3	Country
URCD	UserReservedCode	char	2	User Reserved Code

Data Item/ Alias	Description	Data Type	Size	Element
URDT	UserReservedDate	JDEDATE	6	User Reserved Date;
URAT	UserReservedAmount	MATH_NUMERIC	15	User Reserved Amount
URRF	UserReservedReference	char	15	User Reserved Reference
URAB	UserReservedNumber	MATH_NUMERIC	8	User Reserved Number
CRRM	CurrencyMode	char	1	Currency Mode Foreign or Domestic Entry
CORD	OrderRevisionNumber	MATH_NUMERIC	3	Change Order Number
TXLN	OrderTextAttachment	char	60	Message Text Line
TAX	ShipToTaxID	char	20	Tax ID
MLNM	BillToMailingName	char	40	Name - Mailing
ADD1	BillToAddressLine1	char	40	Address Line 1
ADD2	BillToAddressLine2	char	40	Address Line 2
ADD3	BillToAddressLine3	char	40	Address Line 3
ADD4	BillToAddressLine4	char	40	Address Line 4
CTY1	BillToCity	char	25	City
COUN	BillToCounty	char	25	County
ADDS	BillToState	char	3	State
ADDZ	BillToPostalCode	char	12	Postal Code
CTR	BillToCountry	char	3	Country
DEL1	DeliveryInstructLine1	char	30	Delivery Instructions Line 1
DEL2	DeliveryInstructLine2	char	30	Delivery Instructions Line 2
FRTH	FreightHandlingCode	char	3	Freight Handling Code
EV01	ExternalEventType	char	1	Event Point 01
ALKY	SupplierDescriptive	char	20	Long Address Number
ALKY	ShipToDescriptive	char	20	Long Address Number

Conceptual Approach

A new purchase order creates a new record in the Purchase Order Header table (F4301) and the Purchase Order Detail table (F4311). A real-time notification is triggered whenever there is an insert in these tables. Also, this event is triggered whenever an exiting purchase order is updated and there is an update to tables F4301 and F4311.

Processes that can Initiate the Real-Time Event

- P43025 – PO Speed Status Update
- P43060 – Blanket Order Release
- P43081 – Purchase Order Approvals
- P43100 – Purchasing Date Revisions
- P43360 – Release Open Quotations
- R43500 – Purchase Order Print
- R43510 – Purchase Receiver Print
- R47021 – EDI Inbound PO Acknowledgement
- R47132 – EDI Purchase Order Change Extraction
- R47141 – EDI Inbound PO Change Acknowledgement
- B3100200 – Update Routing Quantity and Date
- B3100410 – Update Purchase Order Hold Code
- B4300250 – Release Held Order
- B4300330 – Update PO Next Status
- B4301230 – F4311-Update Original PO Line
- B4300870 – F43092, Update Disposition Information
- N4002540 – F4211 Direct Ship Order Integrity
- N4301240 – Reverse Matched Voucher
- N4900330 – F4215 Approve Shipment
- N4900570 – Update F4211 and F49211 with Shipment Number
- N4900640 – F4215 Unapprove Shipment
- N4901130 – F4311 Update Purchase Order Detail with Routing
- XT4311Z1 – Purchase Order Entry Master Business Function
- XT4312Z1 – Purchase Order Receipts Master Business Function
- XT4314ZN – Voucher Match Master Business Function

RTPODTL

Purpose of Transaction

RTPODTL is used by the ERP system.

Transaction Specific Instructions

Event Name	RTPODTL
Event Description	RTPOOUT Detail
Event Type	RTE
Event Category	Single
Product Code	H43
Reliable Delivery	1
Timeout Threshold	0
Data Structure	D4302470B (Purchase Order Detail)

Fields Included in the Real-Time Event

Data Item/ Alias	Description	Data Type	Size	Element
DOCO	OrderNumber	MATH_NUMERIC	8	Document (Order No, Invoice, etc)
DCTO	OrderType	char	2	Order Type
KCOO	OrderCompany	char	5	Order Company (Order Number)
SFXO	OrderSuffix	char	3	Order Suffix
LNID	OrderLineNumber	MATH_NUMERIC		Line Number
MCU	BranchPlant	char	12	Business Unit
AN8	SupplierAddressNumber	MATH_NUMERIC	8	Address Number
SHAN	ShipToAddressNumber	MATH_NUMERIC	8	Address Number - Ship To
PRRC	PurchasingUnitCost	MATH_NUMERIC	15	Amount - Unit Cost
FRRC	ForeignPurchasingUnitCost	MATH_NUMERIC	15	Amount - Foreign Unit Price
CRCD	CurrencyCode	char	3	Currency Code - From

Data Item/ Alias	Description	Data Type	Size	Element
UOM	TransactionUnitOfMeasure	char	2	Unit of Measure as Input
UOM1	PrimaryUnitOfMeasure	char	2	Unit of Measure - Primary
UOM3	PurchasingUnitOfMeasure	char	2	Unit of Measure - Purchasing
DRQJ	jdRequestedDate	JDEDATE	6	Date - Requested
PDDJ	jdPromisedDeliveryDate	JDEDATE	6	Date - Scheduled Pick
DSVJ	jdServiceTaxDate	JDEDATE	6	Date - Service/Tax
DSC1	ItemDescription	char	30	Description
ANI	AccountNumber	char	29	Account Number - Input (Mode Unknown)
TX	TaxableYN	char	1	Purchasing Taxable (Y/N)
TXA1	TaxRateArea	char	10	Tax Rate/Area
EXR1	TaxExplanationCode	char	2	Tax Exp Code1
TORG	TransactionOriginator	char	10	Transaction Originator
VR02	Reference2Vendor	char	25	Reference 2
UORG	TransactionQuantity	MATH_NUMERIC	15	Units - Order/Transaction Quantity
ACTN	OrderAction	char	1	Action Code
UITM	ItemNumber	char	26	Item Number - Unknown Format Entered
OORN	OriginalPOSONumber	char	8	Original Order Number
VR01	Reference	char	25	Reference
PPDJ	PromisedShipDate	JDEDATE	6	Date - Promised Shipment
AEXP	ExtendedCost	MATH_NUMERIC	15	Amount - Extended Price
FEA	ForeignExtendedCost	MATH_NUMERIC	15	Amount - Foreign Extended Price'
ASID	AssetID	char	25	Serial Number
SBL	Subledger	char	8	Sub ledger - G/L
SBLT	SubledgerType	char	1	Sub ledger Type
MOT	ModeOfTransport	char	3	Mode of Transport
ANCR	Carrier	MATH_NUMERIC	8	Carrier Number

Data Item/ Alias	Description	Data Type	Size	Element
PDP5	LandedCostRule	char	3	Reporting Code 5 - Purchasing
OCTO	OriginalOrderType	char	2	Original Order Type
OKCO	OriginalOrderCompany	char	5	Document Company Original Order)
OGNO	OriginalOrderLineNumber	MATH_NUMERIC	7	Original Line Number
URCD	UserReservedCode	char	2	User Reserved Code
URDT	UserReservedDate	JDEDATE	6	User Reserved Date
URAT	UserReservedAmount	MATH_NUMERIC	15	User Reserved Amount
URAB	UserReservedNumber	MATH_NUMERIC	8	User Reserved Number
URRF	UserReservedReference	char	15	User Reserved Reference
OSFX	OriginalOrderSuffix	char	3	Document Pay Item - Original
LITM	SecondItemNumber	char	25	2nd Item Number
AITM	ThirdItemNumber	char	25	3rd Item Number
CITM	SupplierItemNumber	char	25	Item Number - Customer/Supplier
UPCN	UPCItemNumber	char	13	UPC Number
ALKY	ShipToDescriptive	char	20	Long Address Number
ALPH	NameAlpha	char	40	Name – Alpha
UOPN	OpenQuantity	MATH_NUMERIC	15	Units – Open
LOCN	Location	char	20	Location
LOTN	LotNumber	char	30	Lot/Serial Number
ANCR	CarrierNumber	MATH_NUMERIC	8	Carrier Number
MOT	ModeOfTransport	char	3	Mode of Transport
UNCD	WorkOrderFreezeCode	char	1	Work Order Freeze Code
PS01	TransferDirectShipFlag	char	1	Transfer/Direct Ship Flag
PDS1	ReportingCodeSales1	char	3	Reporting Code 1 – Sales
PDS2	ReportingCodeSales2	char	3	Reporting Code 2 – Sales
PDS3	ReportingCodeSales3	char	3	Reporting Code 3 – Sales
PDS4	ReportingCodeSales4	char	3	Reporting Code 4 – Sales

Data Item/ Alias	Description	Data Type	Size	Element
PDS5	ReportingCodeSales5	char	3	Reporting Code 5 – Sales
PDP1	ReportingCodePurchasing1	char	3	Reporting Code 1 – Purchasing
PDP2	ReportingCodePurchasing2	char	3	Reporting Code 2 – Purchasing
PDP3	ReportingCodePurchasing3	char	3	Reporting Code 3 – Purchasing
PDP4	ReportingCodePurchasing4	char	3	Reporting Code 4 – Purchasing
PDP5	ReportingCodePurchasing5	char	3	Reporting Code 5 – Purchasing
RORN	RelatedOrderNumber	char	8	Related PO/SP/WO Number
RCTO	RelatedOrderType	char	2	Related PO/SP/WO Order Type
RKCO	RelatedOrderKeyCompany	char	5	Company – Key (Related Order)
RLLN	RelatedOrderLineNumber	MATH_NUMERIC	7	Related PO/SO Line Number
UPMJ	DateUpdated	JDEDATE	6	Date – Updated
TDAY	TimeUpdated	MATH_NUMERIC	6	Time of Day
UOM	PlanningUOM	char	2	Unit of Measure as Input
UOPN	PlanningQuantity	MATH_NUMERIC	15	Units – Open
MCU	ShippingBranchPlant	char	12	Business Unit
EV01	APSFlag	char	1	APS Flag
EV01	APSSupplyDemandFlag	char	1	APS Supply Demand Flag

Conceptual Approach

A new purchase order creates a new record in the Purchase Order Header table (F4301) and the Purchase Order Detail table (F4311). A real-time notification is triggered whenever there is an insert in these tables. This event is triggered whenever an exiting purchase order is updated and there is an update to tables F4301 and F4311.

Processes that can Initiate the Real-Time Event

- P43025 – PO Speed Status Update
- P43060 – Blanket Order Release
- P43081 – Purchase Order Approvals
- P43100 – Purchasing Date Revisions
- P43360 – Release Open Quotations
- R43500 – Purchase Order Print

- R43510 – Purchase Receiver Print
- R47021 – EDI Inbound PO Acknowledgement
- R47132 – EDI Purchase Order Change Extraction
- R47141 – EDI Inbound PO Change Acknowledgement
- B3100200 – Update Routing Quantity and Date
- B3100410 – Update Purchase Order Hold Code
- B4300250 – Release Held Order
- B4300330 – Update PO Next Status
- B4301230 – F4311-Update Original PO Line
- B4300870 – F43092, Update Disposition Information
- N4002540 – F4211 Direct Ship Order Integrity
- N4301240 – Reverse Matched Voucher
- N4900330 – F4215 Approve Shipment
- N4900570 – Update F4211 and F49211 with Shipment Number
- N4900640 – F4215 Unapprove Shipment
- N4901130 – F4311 Update Purchase Order Detail with Routing
- XT4311Z1 – Purchase Order Entry MBF
- XT4312Z1 – Purchase Order Receipts MBF
- XT4314ZN – Voucher Match MBF

Sales

- ❑ RTINVOUT
- ❑ RTSOOUT
- ❑ RTSOHDR
- ❑ RTSODTL
- ❑ RTLPOUT
- ❑ XAPIOPOUT
- ❑ XAPIOPIN

RTINVOUT

Purpose of Transaction

RTINVOUT is used by the ERP system to inform third-party systems that an invoice has been created or changed. This transaction was designed for the publishing information required to meet the RosettaNet standards.

Transaction Specific Instructions

Event Name	RTINVOUT	
Event Description	InvoiceManageNotify	
Event Type	RTE	
Event Category	Container	Container event for: RTINVOUTA (D4202330B) RTINVOUTB (D4202330C)
Product Code	H42	
Reliable Delivery	1	
Timeout Threshold	0	
Data Structure	D4202330B (Invoice Header for Real Time Event DS) D4202330C (Invoice Detail for Real Time Event DS)	

Fields Included in the Real-Time Event

Data Item/ Alias	Description	Data Type	Size	Element
DOC DCT K CO	Various	String		Invoice
				SoldTo
AN8	Address Number – Sold To	Numeric	8	Customer
ALKY	Long Address Number	String	20	CustomerDescriptive
TAX	TaxID	String	20	TaxIdentifier
				Address

Data Item/ Alias	Description	Data Type	Size	Element
MLNM	Name – Mailing	String	40	MailingName
ADD1	Address Line 1	String	40	AddressLine1
ADD2	Address Line 2	String	40	AddressLine2
ADD3	Address Line 3	String	40	AddressLine3
ADD4	Address Line 4	String	40	AddressLine4
CTY1	City	String	25	City
COUN	County	String	25	County
ADDS	State	String	3	State
ADDZ	Postal Code	String	12	ZipPostalCode
CTR	Country	String	3	Country
				BillTo
AN8	Address Number – Sold To	Numeric	8	BillTo
ALKY	Long Address Number	String	20	BillToDescriptive
TAX	TaxID	String	20	TaxIdentifier
				Address
MLNM	Name – Mailing	String	40	MailingName
ADD1	Address Line 1	String	40	AddressLine1
ADD2	Address Line 2	String	40	AddressLine2
ADD3	Address Line 3	String	40	AddressLine3
ADD4	Address Line 4	String	40	AddressLine4
CTY1	City	String	25	City
COUN	County	String	25	County
ADDS	State	String	3	State
ADDZ	Postal Code	String	12	ZipPostalCode
CTR	Country	String	3	Country
				RemitTo
AN8	Address Number – Sold To	Numeric	8	RemitTo

Data Item/ Alias	Description	Data Type	Size	Element
ALKY	Long Address Number	String	20	RemitToDescriptive
TAX	TaxID	String	20	TaxIdentifier
				Address
MLNM	Name – Mailing	String	40	MailingName
ADD1	Address Line 1	String	40	AddressLine1
ADD2	Address Line 2	String	40	AddressLine2
ADD3	Address Line 3	String	40	AddressLine3
ADD4	Address Line 4	String	40	AddressLine4
CTY1	City	String	25	City
COUN	County	String	25	County
ADDS	State	String	3	State
ADDZ	Postal Code	String	12	ZipPostalCode
CTR	Country	String	3	Country
				ShipFrom
MCU	Business Unit Header	String	12	ShipFrom
				Financial
CRCD	Currency Code – From	String	3	CurrencyCode
ITOL	Invoice Total	Numeric	15	InvoiceTotal
PTC	Payment Terms Code	String	3	PaymentTermsCode
DDJ	Date – Net Due	Date	6	PaymentDueDate
IDSC	Amount – Invoice Discount Available	Numeric	15	PaymentDiscountAmount
				Dates
IND	Date – Invoice	Date	6	InvoiceDate
				Tax
TAX1	Sales Taxable	Character	1	SalesTaxable
TXA1	Tax Rate/Area	String	10	TaxRateArea
EXR1	Tax Expl Code	String	2	TaxExplanationCode
STAM	Amount – Tax	Numeric	15	TaxAmount

Data Item/ Alias	Description	Data Type	Size	Element
				Misc
VR01	Reference	String	25	TextAttachment
EV01	Everest Event Type 01	Character	1	Rebill
				Detail[]
DOC DCT K CO LNID	Various	String		InvoiceLineNumber
DOC DCT O KCOO	Various	String		SalesOrder
DOC DCT O KCOO LNI D	Various	String		SalesOrderLineNumber
MCU	BusinessUnit	String	12	BusinessUnit
PSN	Pick Slip Number	Numeric	15	PickSlipNumber
				ShipTo
SHAN	Address Number - Ship To	Numeric	8	ShipTo
ALKY	Long Address Number	String	20	ShipToDescriptive
				Address
MLNM	Name – Mailing	String	40	MailingName
ADD1	Address Line 1	String	40	AddressLine1
ADD2	Address Line 2	String	40	AddressLine2
ADD3	Address Line 3	String	40	AddressLine3
ADD4	Address Line 4	String	40	AddressLine4
CTY1	City	String	25	City
COUN	County	String	25	County
ADDS	State	String	3	State
ADDZ	Postal Code	String	12	ZipPostalCode
CTR	Country	String	3	Country
				Dates
ADDJ	Shipment Date	Date	6	ShipmentDate
TRDJ	Date – Order/Transaction	Date	6	OrderDate

Data Item/ Alias	Description	Data Type	Size	Element
	Order/Transaction			
				Product
ITM	Item Number – Short	Numeric	8	Item
AITM	2 nd Item Number	String	25	ProductItem
LITM	3 rd Item Number	String	25	CatalogItem
CITM	Item Number – Customer/Supplier	String	25	PartnerItem
UPCN	UPC Number	String	13	UPCEANItem
				Quantity
SOQS	Quantity Shipped	Numeric	15	QuantityShipped
SOBK	Units – Qty Backordered/Held	Numeric	15	QuantityBackordered
SOCN	Units – Qty Canceled/Scrapped	Numeric	15	QuantityCanceled
UOM	Unit of Measure as Input	String	2	TransactionUnitOfMeasure
				Financial
CRCD	Currency Code – From	String	3	CurrencyCode
UPRC	Amount – Price Per Unit	Numeric	15	UnitPrice
AEXP	Amount – Extended Price	Numeric	15	ExtendedPrice
ATAT	Prepayment Amount	Numeric	15	PrepaymentAmount
AEXP	Amount – Extended Price	Numeric	15	AdjustmentAmount
				Tax
TAX1	Sales Taxable	Character	1	SalesTaxable
TXA1	Tax Rate/Area	String	10	TaxRateArea
EXR1	Tax Expl Code	String	2	TaxExplanationCode
STAM	Amount – Tax	Numeric	15	TaxAmount
TA1	TaxAuthority1	Numeric	8	NationalAuthority
STAM	Tax Amount	Numeric	15	NationalTaxAmount

Data Item/ Alias	Description	Data Type	Size	Element
TXR1	Tax Rate	Numeric	7	NationalTaxRate
TA2	TaxAuthority2	Numeric	8	RegionalAuthority
STAM	Tax Amount	Numeric	15	RegionalTaxAmount
TXR2	Tax Rate	Numeric	7	RegionalTaxRate
TA3	TaxAuthority3	Numeric	8	CityAuthority
STAM	Tax Amount	Numeric	15	CityTaxAmount
TXR3	Tax Rate	Numeric	7	CityTaxRate
TA4	TaxAuthority4	Numeric	8	DistrictAuthority
STAM	Tax Amount	Numeric	15	DistrictTaxAmount
TXR4	Tax Rate	Numeric	7	DistrictTaxRate
				Delivery
SHPN	Shipment Number	Numeric	8	ShipmentNumber
MOT	Mode of Transport	String	3	ModeOfTransport
FRTH	Freight Handling Code	String	3	FreightHandlingCode
CARS	Carrier	Numeric	8	Carrier
ALKY	Long Address Number	String	20	CarrierDescriptive

Conceptual Approach

When a new Invoice Number, Invoice Type, or Invoice Company is assigned to a sales order detail record in the Sales Order Detail (F4211) table, it will trigger a generation of the RTINVOUT real-time event to be published.

Processes that can Initiate the Real-Time Event

- D4202330 – Invoice Real Time Event Notification
- R42565 – Invoice Print
- R42800 – Sales Update (This is published only when a new Invoice Number, Invoice Type, and Invoice Company is assigned to a sales order.)

RTSOOUT

Purpose of Transaction

RTSOOUT event is used by the ERP system to publish sales order header and detail information.

Transaction Specific Instructions

Event Name	RTSOOUT	Comments
Event Description	Sales Order	
Event Type	RTE	
Event Category	Container	Container event for: RTSOHDR (D4202310A) RTSODTL (D4202310B)
Product Code	H42	
Reliable Delivery	1	
Timeout Threshold	0	
Data Structure	D4202310A (Sales Order Real Time Event Header) D4202310B (Sales Order Real Time Event Detail)	

Fields Included in the Real-Time Event

Please refer to the list of fields defined for the RTSOHDR and RTSODTL single events.

Conceptual Approach

When a user creates, modifies, or cancels a sales order, the system triggers a notification event for the XPI integration to publish. This notification event, RTSOOUT, contains two separate events: RTSOHDR and RTSODTL. The RTSOHDR event contains all information pertinent to the sales order header. The RTSODTL event contains all information pertinent to each sales order detail line. Supplemental to the primary RTSOOUT event, the XPI integration also publishes an RTSOAPS event, which will include supply/demand information as well as sales order quantities in a common unit of measure (defined in integration constants).

Processes that can Initiate the Real-Time Event

- P4210 – Sales Order Entry
- B4202150 – Sales Order Real-Time Event Notify Function
- B4200310 – Sales Order Entry Master Business Function

SPECIAL OBJECTS

- P42040 – Sales Order Speed Status Update
- B4201220 – Update F4211 And F42199
- R42565 – Invoice Print
- R42800 – Sales Update
- B4003000 - XPILoadUnloadCache Business Function
- B4003000 - XPIPublishEvents Business Function
- B4003000 - XPIEIOEnabled Business Function
- B4003010 - XPILoadUnloadCache Business Function
- B4003010 - XPIPublishEvents Business Function
- B4003010 - XPIEIOEnabled Business Function
- R42520 – Print Pick Slip
- R42521 – Packaged Pick Slip
- R42522 – Control Pick Slip
- R42997 –Inventory Commitment
- R42995 - Repost Active Sales Order
- B4200250 –F4201 Update Order Totals
- B4200640 –F4211 Update Pick Slip Information
- B4200920 –F4211 Get Shipment Info Source File
- B4200380 – Inventory Availability and Commitment
- B4200450 – Advanced Sales Order Detail Line Split
- N4200790 – Shipment Confirmation
- P42117 – Backorder Release Online
- B4200860 – Backorder Release MBF
- B4200740 – Update Misc. F4201 Fields
- B4200970 – F4211 Update Backorder Info
- R42530 – Bill of Lading
- B4200330 – Update Misc F4211 Fields
- R42535 – Delivery Notes Print
- R49700 – Cycle Billing Program

- R42810 – Sales Journal
- B4201300 – F42UI130 F4211 SO Detail Line Split
- R47131 – EDI Inbound Purchase Order Change
- N4900330 – Update Sales Detail with Shipment Routing
- N4600455 – Change F4211 SO Detail File

RTSOHDR

Purpose of Transaction

RTSOHDR is used by the ERP system to publish sales order header information.

Transaction Specific Instructions

Event Name	RTSOHDR
Event Description	Sales Order Header
Event Type	RTE
Event Category	Single
Product Code	H42
Reliable Delivery	1
Timeout Threshold	0
Data Structure	D4202310A (Sales Order Real-Time Event Header)
Event Relationship	Included in container event RTSOOUT

Fields Included in the Real-Time Event

Data Item/ Alias	Description	Data Type	Size	Element
ACTN	cOrderAction	Char	1	Order Action
DOCO	mnOrderNumber	Numeric	8	Order Number
DCTO	szOrderType	String	2	Order Type
KCOO	szOrderCompany	String	5	Order Company
MCU	szHeaderBranchPlant	String	12	Header Branch Plant
CO	szCompany	String	5	Company
OORN	szOriginalPOSONumber	String	8	Original POSO Number
ORBY	szOrderedBy	String	10	Ordered By
TKBY	szTakenBy	String	10	Taken By
HOLD	szOrderHoldCode	String	2	Order Hold Code

Data Item/ Alias	Description	Data Type	Size	Element
EV01	cQuoteFlag	Char	1	Quote Flag
AN8	mnSoldToAddressNumber	Numeric	8	Sold To Address Number
MLNM	szSoldToMailingName	String	40	Sold To Mailing Name
ADD1	szSoldToAddressLine1	String	40	Sold To Address Line 1
ADD2	szSoldToAddressLine2	String	40	Sold To Address Line 2
ADD3	szSoldToAddressLine3	String	40	Sold To Address Line 3
ADD4	szSoldToAddressLine4	String	40	Sold To Address Line 4
CTY1	szSoldToCity	String	25	Sold To City
COUN	szSoldToCounty	String	25	Sold To County
ADDS	szSoldToState	String	3	Sold To State
CTR	szSoldToCountry	String	3	Sold To Country
ADDZ	szSoldToPostalCode	String	12	Sold To Postal Code
SHAN	mnShipToAddressNumber	Numeric	8	Ship To Address Number
MLNM	szShipToMailingName	String	40	Ship To Mailing Name
ADD1	szShipToAddressLine1	String	40	Ship To Address Line 1
ADD2	szShipToAddressLine2	String	40	Ship To Address Line 2
ADD3	szShipToAddressLine3	String	40	Ship To Address Line 3
ADD4	szShipToAddressLine4	String	40	Ship To Address Line 4
CTY1	szShipToCity	String	25	Ship To City
COUN	szShipToCounty	String	25	Ship To County
ADDS	szShipToState	String	3	Ship To State
CTR	szShipToCountry	String	3	Ship To Country
ADDZ	szShipToPostalCode	String	12	Ship To Postal Code
TRDJ	jdTransactionDate	Date	6	Transaction Date
DRQJ	jdRequestDate	Date	6	Request Date
PDDJ	jdScheduledPickDate	Date	6	Scheduled Pick Date
PPDJ	jdPromisedShipDate	Date	6	Promised Ship Date
OPDJ	jdOriginalPromisedDate	Date	6	Original Promised Date

Data Item/ Alias	Description	Data Type	Size	Element
CNDJ	jdCancelDate	Date	6	Cancel Date
VR01	szReference	String	25	Reference
DEL1	szDeliveryInstruction1	String	30	Delivery Instruction 1
DEL2	szDeliveryInstruction2	String	30	Delivery Instruction 2
INMG	szPrintMessage	String	10	Print Message
FRTH	szFreightHandlingCode	String	3	Freight Handling Code
TRDC	mnTradeDiscount	Numeric	7	Trade Discount
PTC	szPaymentTerms	String	3	Payment Terms
RYIN	cPaymentInstrument	Char	1	Payment Instrument
CRCD	szCurrencyCode	String	3	Currency Code
CRR	mnCurrencyConverRate	Numeric	15	Currency Convert Rate
TXA1	szTaxArea	String	10	Tax Area
EXR1	szTaxExplanationCode	String	2	Tax Explanation Code
OTOT	mnOrderTotal	Numeric	15	Order Total
FAP	mnForeignOrderTotal	Numeric	15	Foreign Order Total
URCD	szUserReservedCode	String	2	User Reserved Code
URDT	jdUserReservedDate	Date	6	User Reserved Date
URAT	mnUserReservedAmount	Numeric	15	User Reserved Amount
URAB	mnUserReservedNumber	Numeric	8	User Reserved Number
URRF	szUserReservedReference	String	15	User Reserved Reference
CRRM	cCurrencyMode	Char	1	currency Mode
ALKY	szShipToDescriptive	String	20	Ship To Descriptive
ALKY	szSoldToDescriptive	String	20	Sold To Descriptive
EV01	cPublishToXPIxFlag	Char	1	Publish To Inter-Enterprise XPI Flag

Conceptual Approach

When a user creates, modifies, or cancels a sales order, the system triggers a notification event for the XPI integration to publish. This notification event, RTSOOUT, contains two separate events: RTSOHDR and RTSODTL. The RTSOHDR event contains all information

pertinent to the sales order header. The RTSODTL event contains all information pertinent to each sales order detail line. Supplemental to the primary RTSOOUT event, the XPI integration also publishes an RTSOAPS event, which will include supply/demand information as well as sales order quantities in a common unit of measure (defined in integration constants).

Processes that can Initiate the Real-Time Event

- P4210 – Sales Order Entry
- B4202150 – Sales Order Real Time Event Notify Function
- B4200310 – Sales Order Entry Master Business Function

SPECIAL OBJECTS

- P42040 – Sales Order Speed Status Update
- B4201220 – Update F4211 And F42199
- R42565 – Invoice Print
- R42800 – Sales Update
- B4003000 - XPILoadUnloadCache Business Function
- B4003000 - XPIPublishEvents Business Function
- B4003000 - XPIIEnabled Business Function
- B4003010 - XPILoadUnloadCache Business Function
- B4003010 - XPIPublishEvents Business Function
- B4003010 - XPIIEnabled Business Function
- R42520 – Print Pick Slip
- R42521 – Packaged Pick Slip
- R42522 – Control Pick Slip
- R42997 –Inventory Commitment
- R42995 - Repost Active Sales Order
- B4200250 –F4201 Update Order Totals
- B4200640 –F4211 Update Pick Slip Information
- B4200920 –F4211 Get Shipment Info Source File
- B4200380 – Inventory Availability and Commitment
- B4200450 – Advanced Sales Order Detail Line Split
- N4200790 – Shipment Confirmation
- P42117 – Backorder Release Online
- B4200860 – Backorder Release MBF
- B4200740 – Update Misc. F4201 Fields
- B4200970 – F4211 Update Backorder Info
- R42530 – Bill of Lading

- B4200330 – Update Misc F4211 Fields
- R42535 – Delivery Notes Print
- R49700 – Cycle Billing Program
- R42810 – Sales Journal
- B4201300 – F42UI130 F4211 SO Detail Line Split
- R47131 – EDI Inbound Purchase Order Change
- N4900330 – Update Sales Detail with Shipment Routing
- N4600455 – Change F4211 SO Detail File

RTSODTL

Purpose of Transaction

RTSODTL event is used by the ERP system to publish sales order detail line information.

Transaction Specific Instructions

Event Name	RTSODTL
Event Description	Sales Order Detail
Event Type	RTE
Event Category	Single
Product Code	H42
Reliable Delivery	1
Timeout Threshold	0
Data Structure	D4202310B (Sales Order Real Time Event Detail)
Event Relationship	Included in container event RTSOOUT

Fields Included in the Real-Time Event

Data Item/ Alias	Description	Data Type	Size	Element
ACTN	cOrderAction	Char	1	Order Action
DOCO	mnOrderNumber	Numeric	8	Order Number
DCTO	szOrderType	String	2	Order Type
KCOO	szOrderCompany	String	5	Order Company
LNID	mnLineNumber	Numeric	6	Line Number
MCU	szDetailBranchPlant	String	12	Detail Branch Plant
VR02	szSupplierReference	String	25	Supplier Reference
SHAN	mnShipToAddressNumber	Numeric	8	Ship To Address Number
TRDJ	jdTransactionDate	Date	6	Transaction Date
DRQJ	jdRequestedDate	Date	6	Requested Date
PDDJ	jdScheduledPickDate	Date	6	Scheduled Pick Date

Data Item/ Alias	Description	Data Type	Size	Element
PPDJ	jdPromisedShipDate	Date	6	Promised Ship Date
RSDJ	jdPromisedDeliveryDate	Date	6	Promised Delivery Date
OPDJ	jdOriginalPromisedDate	Date	6	Original Promised Date
CNDJ	jdCancelDate	Date	6	Cancel Date
PEFJ	jdPriceEffectiveDate	Date	6	Price Effective Date
UORG	mnTransactionQuantity	Numeric	15	Transaction Quantity
SOQS	mnQuantityShipped	Numeric	15	Quantity Shipped
SOBK	mnQuantityBackOrdered	Numeric	15	Quantity Back Ordered
SOCN	mnQuantityCancelled	Numeric	15	Quantity Cancelled
UOM	szTransactionUnitOfMeasure	String	2	Transaction Unit Of Measure
UPRC	mnUnitPrice	Numeric	15	Unit Price
AEXP	mnExtendedPrice	Numeric	15	Extended Price
FUP	mnForeignUnitPrice	Numeric	15	Foreign Unit Price
FEA	mnForeignExtendedPrice	Numeric	15	Foreign Extended Price
PROV	cPriceOverrideCode	Char	1	Price Override Code
TAX1	cSalesTaxableYN	Char	1	Sales Taxable Y/N
ASN	szAdjustmentSchedule	String	8	Adjustment Schedule
AREV	mnAdjustmentRevisionLevel	Numeric	3	Adjustment Revision Level
DSPR	mnDiscountPercentage	Numeric	7	Discount Percentage
LINX	mnLastIndex	Numeric	15	Last Index
PTC	szPaymentTerms	String	3	Payment Terms
RYIN	cPaymentInstrument	Char	1	Payment Instrument
CRCD	szCurrencyCode	String	3	Currency Code
UNCS	mnUnitCost	Numeric	15	Unit Cost
ECST	mnExtendedCost_	Numeric	15	Extended Cost
FUC	mnForeignUnitCost	Numeric	15	Foreign Unit Cost
FEC	mnForeignExtCost	Numeric	15	Foreign Ext Cost
LITM	szItemNumber	String	25	ItemNumber
ITM	mnShortItemNumber	Numeric	8	Short Item Number

Data Item/ Alias	Description	Data Type	Size	Element
DSC1	szDescription1	String	30	Description 1
DSC2	szDescription2	String	30	Description 2
LNTY	szLineType	String	2	Line Type
LTTR	szLastStatus	String	3	Last Status
NXTR	szNextStatus	String	3	Next Status
LOCN	szLocation	String	20	Location
LOTN	szLotNumber	String	30	Lot Number
LOB	szLineOfBusiness	String	3	Line Of Business
EUSE	szEndUse	String	3	End Use
DTYS	szDutyStatus	String	2	Duty Status
INMG	szPrintMessage	String	10	Print Message
FRTH	szFreightHandlingCode	String	3	Freight Handling Code
ITWT	mnItemWeight	Numeric	15	Item Weight
WTUM	szWeightUnitOfMeasure	String	2	Weight Unit Of Measure
MOT	szModeOfTransport	String	3	Mode Of Transport
CARS	mnCarrierNumber	Numeric	8	Carrier Number
SBL	szSubledger	String	8	Subledger
SBLT	cSubledgerType	Char	1	Subledger Type
UPC1	szPriceCode1	String	3	Price Code 1
UPC2	szPriceCode2	String	3	Price Code 2
UPC3	szPriceCode3	String	3	Price Code 3
SRP1	szSalesCategoryCode1	String	3	Sales Category Code 1
SRP2	szSalesCategoryCode2	String	3	Sales Category Code 2
SRP3	szSalesCategoryCode3	String	3	Sales Category Code 3
SRP4	szSalesCategoryCode4	String	3	Sales Category Code 4
SRP5	szSalesCategoryCode5	String	3	Sales Category Code 5
OORN	szOriginalPOSONumber	String	8	Original POSO Number
OCTO	szOriginalOrderType	String	2	Original Order Type
OKCO	szOriginalOrderCompany	String	5	Original Order Company

Data Item/ Alias	Description	Data Type	Size	Element
OGNO	mnOriginalOrderLineNumber	Numeric	7	Original Order Line Number
RORN	szRelatedPoSoNumber	String	8	Related Po So Number
RCTO	szRelatedOrderType	String	2	Related Order Type
RKCO	szRelatedOrderCompany	String	5	Related Order Company
RLLN	mnRelatedPoSoLineNo	Numeric	7	Related Po So Line No
UPMJ	jdDateUpdated	Date	6	Date Updated
TDAY	mnTimeUpdated	Numeric	6	Time Updated
PSN	mnPickSlipNumber	Numeric	8	Pick Slip Number
DOC	mnInvoiceDocNumber	Numeric	8	Invoice Doc Number
DCT	szInvoiceDocType	String	2	Invoice Doc Type
KCO	szInvoiceDocCompany	String	5	Invoice Doc Company
URCD	szUserReservedCode	String	2	User Reserved Code
URDT	jdUserReservedDate	Date	6	User Reserved Date
URAT	mnUserReservedAmount	Numeric	15	User Reserved Amount
URAB	mnUserReservedNumber	Numeric	8	User Reserved Number
URRF	szUserReservedReference	String	15	User Reserved Reference
UOM4	szPricingUnitOfMeasure	String	2	Pricing Unit Of Measure
TXA1	szTaxArea	String	10	Tax Area
EXR1	szTaxExplanationCode	String	2	Tax Explanation Code
CITM	szPartnerItemNo	String	25	Partner Item No
AITM	szCatalogItem	String	25	Catalog Item
UPCN	szUPCNumber	String	13	UPC Number
ALKY	szShipToDescriptive	String	20	Ship To Descriptive
ALKY	szSoldToDescriptive	String	20	Sold To Descriptive
LITM	szProductItem	String	25	Product Item
ALPH	szAlphaName	String	40	Alpha Name
PA8	mnParentAddressNumber	Numeric	8	Parent Address Number
LITM	szSecondItemNumber	String	25	SecondItem Number
AITM	szThirdItemNumber	String	25	Third Item Number

Data Item/ Alias	Description	Data Type	Size	Element
PRI0	cPriorityProcessing	Char	1	Priority Processing
BACK	cBackOrdersAllowed	Char	1	Back Orders Allowed
SO02	cOrderShippedFlag	Char	1	Order Shipped Flag
SO11	cTransferDirectShipFlag	Char	1	Transfer Direct Ship Flag
COMM	cCommitted	Char	1	Committed
EXDP	mnDaysBeforeExpiration	Numeric	5	Days Before Expiration
PRP1	szPurchaseCategoryCode1	String	3	Purchase Category Code 1
PRP2	szPurchaseCategoryCode2	String	3	Purchase Category Code 2
PRP3	szPurchaseCategoryCode3	String	3	Purchase Category Code 3
PRP4	szPurchaseCategoryCode4	String	3	Purchase Category Code 4
RORN	szRelatedOrderNumber	String	8	Related Order Number
RCTO	szRelatedOrderType	String	2	Related Order Type
RKCO	szRelatedOrderKeyCompany	String	5	Related Order Key Company
UOM	szPlanningUnitOfMeasure	String	2	Planning Unit Of Measure
TRQT	mnPlanningQuantity	Numeric	15	Planning Quantity
UMPJ	jdDateUpdated	Date	6	Date Updated
TDAY	mnTimeUpdated	Numeric	6	Time Updated
EV01	cAPSFlag	Char	1	APS Flag
EV01	cAPSSupplyDemandFlag	Char	1	APS Supply Demand Flag
DSC1	szShipComplete	String	30	Ship Complete
RLLN	mnRelatedOrderLineNumber	Numeric	7	Related Order Line Number

Conceptual Approach

When a user creates, modifies, or cancels a sales order, the system triggers a notification event for the XPI integration to publish. This notification event, RTSOOUT, contains two separate events: RTSOHDR and RTSODTL. The RTSOHDR event contains all information pertinent to the sales order header. The RTSODTL event contains all information pertinent to each sales order detail line. Supplemental to the primary RTSOOUT event, the XPI integration also publishes an RTSOAPS event, which will include supply/demand information as well as sales order quantities in a common unit of measure (defined in integration constants).

Processes that can Initiate the Real-Time Event

- P4210 – Sales Order Entry
- B4202150 – Sales Order Real Time Event Notify Function
- B4200310 – Sales Order Entry Master Business Function

SPECIAL OBJECTS

- P42040 – Sales Order Speed Status Update
- B4201220 – Update F4211 And F42199
- R42565 – Invoice Print
- R42800 – Sales Update
- B4003000 - XPILoadUnloadCache Business Function
- B4003000 - XPIPublishEvents Business Function
- B4003000 - XPIIEnabled Business Function
- B4003010 - XPILoadUnloadCache Business Function
- B4003010 - XPIPublishEvents Business Function
- B4003010 - XPIIEnabled Business Function
- R42520 – Print Pick Slip
- R42521 – Packaged Pick Slip
- R42522 – Control Pick Slip
- R42997 –Inventory Commitment
- R42995 - Repost Active Sales Order
- B4200250 –F4201 Update Order Totals
- B4200640 –F4211 Update Pick Slip Information
- B4200920 –F4211 Get Shipment Info Source File
- B4200380 – Inventory Availability and Commitment
- B4200450 – Advanced Sales Order Detail Line Split
- N4200790 – Shipment Confirmation

- P42117 – Backorder Release Online
- B4200860 – Backorder Release Master Business Function
- B4200740 – Update Misc. F4201 Fields
- B4200970 – F4211 Update Backorder Info
- R42530 – Bill of Lading
- B4200330 – Update Misc F4211 Fields
- R42535 – Delivery Notes Print
- R49700 – Cycle Billing Program
- R42810 – Sales Journal
- B4201300 – F42UI130 F4211 SO Detail Line Split
- R47131 – EDI Inbound Purchase Order Change
- N4900330 – Update Sales Detail with Shipment Routing
- N4600455 – Change F4211 SO Detail File

RTLPOUT

Purpose of Transaction

The RTLPOUT event is used by the ERP system to publish an item's list price information.

Transaction Specific Instructions

Event Name	RTLPOUT
Event Description	List Price Manage Notify
Event Type	RTE
Event Category	Single
Product Code	H45
Reliable Delivery	1
Timeout Threshold	0
Data Structure	D4502700B (F4106 List Price Real Time Event)

Fields Included in the Real-Time Event

Data Item/ Alias	Description	Data Type	Size	Element
ACTION	cRecordAction	Char	1	Record Action
ITM	mnShortItemNumber	Numeric	8	Short Item Number
LITM	sz2ndItemNumber	String	26	2 nd Item Number
MCU	szCostCenter	String	13	Cost Center
LOCN	szLocation	String	21	Location
LOTN	szLot	String	31	Lot
AN8	mnAddressNumber	Numeric	8	Address Number
LOTG	szLotGrade	String	4	Lot Grade
FRMP	mnFromPotency	Numeric	7	From Potency
CRCD	szCurrencyCode	String	4	Currency Code
UOM	szUnitOfMeasure	String	3	Unit Of Measure
EFTJ	jdDateEffective	Date	6	Date Effective

Data Item/ Alias	Description	Data Type	Size	Element
EXDJ	jdDateExpired	Date	6	Date Expired
UPRC	mnAmtPricePerUnit	Numeric	15	Amt Price Per Unit
UCRD	mnAmountCreditPrice	Numeric	15	Amount Credit Price
UPMJ	jdDateUpdated	Date	6	Date Updated
TDAY	mnTimeOfDay	Numeric	6	Time Of Day

Conceptual Approach

When a user creates, modifies, or cancels an active price record (F4106) that does not involve a customer group or item group, the system triggers the RTLPOUT notification event for the XPI integration to publish.

Processes that can Initiate the Real-Time Event

- P4106 – Work With Preference Base Price
- R41816 – Item Sales Price Level Conversion

SPECIAL OBJECTS

- B4002270 – F4106 Update Base Price
- X4078 – Margin Maint Price Update
- X4106C – Copy/Write Price Records

RTSHPNOUT

Purpose of the Transaction

RTSHPNOUT is used to inform or notify third-party systems of shipment confirmation in order to keep the two systems synchronized.

Transaction Specific Instructions

Event Name	RTSHPNOUT	
Event Description	Sales Shipment Manage Notify	
Event Type	RTE	
Event Category	Container	Contains the following events: RTSHPNOUTB (D4901400B) RTSHPNOUTC (D4901400C) RTSHPNOUTD (D4901400D) RTSHPNOUTE (D4901400E) RTSHPNOUTF (D4901400F) RTSHPNOUTG (D4901400G) RTSHPNOUTH (D4901400H) RTSHPNOUTI (D4901400I) RTSHPNOUTJ (D4901400J) RTSHPNOUTK (D4901400K)
Product Code	H49	
Reliable Delivery	1	
Timeout Threshold	0	
Data Structure	D4901400B, D4901400C, D4901400D, D4901400E, D4901400F, D4901400G, D4901400H, D4901400I, D4901400J, D4901400K	

Fields Included in the Real-Time Event

RTSHPNOUTB – D4901400B

Data Item/ Alias	Description	Data Type	Size	Element
SHPN	mnShipmentNumber	Numeric	8	Shipment Number
	SOLDTO			
AN8	mnSoldToAddressNumber	Numeric	8	Address Number
ALKY	szSoldToDescriptive	String	20	Alternate Address Key
EMAL	szSoldToEmail	String	256	Email Address
PH1	szSoldToPhoneNumber	String	26	Phone Number
PH1	szSoldToFaxNumber	String	26	Phone Number
TAX	szSoldToTaxID	String	20	Tax Id
MLNM	szSoldToMailingName	String	40	Name Mailing
ADD1	szSoldToAddressLine1	String	40	Address Line 1
ADD2	szSoldToAddressLine2	String	40	Address Line 2
ADD3	szSoldToAddressLine3	String	40	Address Line 3
ADD4	szSoldToAddressLine4	String	40	Address Line 4
CTY1	szSoldToCity	String	25	City
COUN	szSoldToCounty	String	25	County Address
ADDS	szSoldToState	String	3	State
CTR	szSoldToCountry	String	3	Country
ADDZ	szSoldToPostalCode	String	12	Zip Code Postal
	SHIPTO			
AN8	mnShipToAddressNumber	Numeric	8	Address Number
ALKY	szShipToDescriptive	String	20	Alternate Address Key
EMAL	szShipToEmail	String	256	Email Address
PH1	szShipToPhoneNumber	String	26	Phone Number
PH1	szShipToFaxNumber	String	26	Phone Number
TAX	szShipToTaxID	String	20	Tax Id

Data Item/ Alias	Description	Data Type	Size	Element
MLNM	szShipToMailingName	String	40	Name Mailing
ADD1	szShipToAddressLine1	String	40	Address Line 1
ADD2	szShipToAddressLine2	String	40	Address Line 2
ADD3	szShipToAddressLine3	String	40	Address Line 3
ADD4	szShipToAddressLine4	String	40	AddressLine4
CTY1	szShipToCity	String	25	City
COUN	szShipToCounty	String	25	County Address
ADDS	szShipToState	String	3	State
CTR	szShipToCountry	String	3	Country
ADDZ	szShipToPostalCode	String	12	Zip Code Postal
	SOLDBY			
AN8	mnSoldByAddressNumber	Numeric	8	Address Number
ALKY	szSoldByDescriptive	String	20	Alternate Address Key
EMAL	szSoldByEmail	String	256	Email Address
PH1	szSoldByPhoneNumber	String	26	Phone Number
PH1	szSoldByFaxNumber	String	26	Phone Number
TAX	szSoldByTaxID	String	20	Tax Id
MLNM	szSoldByMailingName	String	40	Name Mailing
ADD1	szSoldByAddressLine1	String	40	Address Line 1
ADD2	szSoldByAddressLine2	String	40	Address Line 2
ADD3	szSoldByAddressLine3	String	40	Address Line 3
ADD4	szSoldByAddressLine4	String	40	Address Line 4
CTY1	szSoldByCity	String	25	City
COUN	szSoldByCounty	String	25	County Address
ADDS	szSoldByState	String	3	State
CTR	szSoldByCountry	String	3	Country
ADDZ	szSoldByPostalCode	String	12	Zip Code Postal
	SHIPFROM			

Data Item/ Alias	Description	Data Type	Size	Element
AN8	mnShipFromAddressNumber	Numeric	8	Address Number
ALKY	szShipFromDescriptive	String	20	Alternate Address Key
EMAL	szShipFromEmail	String	256	Email Address
PH1	szShipFromPhoneNumber	String	26	Phone Number
PH1	szShipFromFaxNumber	String	26	Phone Number
TAX	szShipFromTaxID	String	20	Tax Id
MLNM	szShipFromMailingName	String	40	Name Mailing
ADD1	szShipFromAddressLine1	String	40	Address Line 1
ADD2	szShipFromAddressLine2	String	40	Address Line 2
ADD3	szShipFromAddressLine3	String	40	Address Line 3
ADD4	szShipFromAddressLine4	String	40	Address Line 4
CTY1	szShipFromCity	String	25	City
COUN	szShipFromCounty	String	25	County Address
ADDS	szShipFromState	String	3	State
CTR	szShipFromCountry	String	3	Country
ADDZ	szShipFromPostalCode	String	12	Zip Code Postal
	CARRIER			
AN8	mnCarrierAddressNumber	Numeric	8	Address Number
ALKY	szCarrierDescriptive	String	20	Alternate Address Key
EMAL	szCarrierEmail	String	256	Email Address
PH1	szCarrierPhoneNumber	String	26	Phone Number
PH1	szCarrierFaxNumber	String	26	Phone Number
TAX	szCarrierTaxID	String	20	Tax Id
MLNM	szCarrierMailingName	String	40	Name Mailing
ADD1	szCarrierAddressLine1	String	40	Address Line 1
ADD2	szCarrierAddressLine2	String	40	Address Line 2
ADD3	szCarrierAddressLine3	String	40	Address Line 3
ADD4	szCarrierAddressLine4	String	40	Address Line 4

Data Item/ Alias	Description	Data Type	Size	Element
CTY1	szCarrierCity	String	25	City
COUN	szCarrierCounty	String	25	County Address
ADDS	szCarrierState	String	3	State
CTR	szCarrierCountry	String	3	Country
ADDZ	szCarrierPostalCode	String	12	Zip Code Postal
	DATES			
ADDJ	jdShipmentDate	Date	6	Actual Delivery Date
	DELIVERY			
NCTR	mnNumberOfContainers	Numeric	5	Number Of Containers
MOT	szModeOfTransport	String	3	Mode Of Transport
FRTH	szFreightHandlingCode	String	3	Freight Handling Code

RTSHPNOUTC – D4901400C

Data Item/ Alias	Description	Data Type	Size	Element
SHPN	mnShipmentNumber	Numeric	8	Shipment Number
SEQN	mnSequenceNumber	Numeric	7	Sequence Number 2
	GlobalCarrierCode[]			
SCAC	GlobalCarrierCode	String	4	Standard Carrier Alpha Code

RTSHPNOUTD – D4901400D

Data Item/ Alias	Description	Data Type	Size	Element
SHPN	mnShipmentNumber	Numeric	8	Shipment Number
SRL1	szSerializedShipContainerCode	String	30	Serial Number 1
EV01	cContainHazardousMaterial	Character	1	Contain Hazardous Marterial
	CONTAINER			
GHET	mnGrossHeight	Numeric	15	Gross Height

Data Item/ Alias	Description	Data Type	Size	Element
GDEP	mnGrossDepth	Numeric	15	Gross Depth
GWID	mnGrossWidth	Numeric	15	Gross Width
WIUM	szDimensionUOM	String	2	Unit Of Measure Dimen
GCUB	mnGrossVolume	Numeric	15	Gross Cubic Dimensions
VUMD	szVolumeUOM	String	2	Unit Of Measure Vol Disp
GWEI	mnGrossWeight	Numeric	15	Gross Weight 2
UWUM	szWeightUOM	String	2	Unit Of Measure Weight
EQTY	szPalletType	String	5	Pallet Type
INT01	nNumberOfPackages	Integer	4	Number of Packages
	TRACKING			
REFQ	szTrackingType	String	2	Ref Number Qualifier
REFN	mnTrackingNumber	Numeric	30	Reference Number

RTSHPNOU - D4901400E

Data Item/ Alias	Description	Data Type	Size	Element
SHPN	mnShipmentNumber	Numeric	8	Shipment Number
SRL1	szSerializedShipContainerCode	String	30	Serial Number 1
SEQN	mnSequenceNumber	Numeric	7	Sequence Number 2
SEQN	mnContainerOrderSequence	Numeric	7	Sequence Number 2
DOCO	mnOrderNumber	Numeric	8	Document Order Invoice E
DCTO	szOrderType	String	2	Order Type
KCOO	szOrderCompany	String	5	Company Key Order No
SFXO	szOrderSuffix	String	3	Order Suffix
LNID	mnOrderLineNumber	Numeric	6	Line Number

RTSHPNOUTF – D4901400F

Data Item/ Alias	Description	Data Type	Size	Element
SHPN	mnShipmentNumber	Numeric	8	Shipment Number
SRL1	szSerializedShipContainerCode	String	30	Serial Number 1
SEQN	mnSequenceNumber	Numeric	7	Sequence Number 2
HSCD	szHarmonizedTariffCode	String	12	Harmonized Shipping Code
HZDC	szHarzardousMaterialCode	String	3	Hazard Class or Division
	PRODUCT			
ITM	mnShortItemNumber	Numeric	8	Identifier Short Item
LITM	sz2ndItemNumber	String	25	Identifier 2 nd Item
AITM	sz3rdItemNumber	String	25	Identifier 3 rd Item
CITM	szPartnerItemNumber	String	25	Item No Customer Vendor
UPCN	szUPCEANItemNumber	String	13	UPC Number
	QUANTITY			
SOQS	mnQuantityShipped	Numeric	15	Units Quantity Shipped
UORG	mnTransactionQuantity	Numeric	15	UnitsTransactionQty
UOM	szTransactionUnitOfMeasure	String	2	Unit Of Measure As Input
	LOT			
LOTN	szLot	String	30	Lot
MMEJ	jdLotExpireDate	Date	6	Date - Lot Expiration
LOT1	szMemoLot1	String	30	Memo Lot Field 1
LOT2	szMemoLot2	String	30	Memo Lot Field 2

RTSHPNOUTG – D4901400G

Data Item/ Alias	Description	Data Type	Size	Element
SHPN	mnShipmentNumber	Numeric	8	Shipment Number
SRL1	szSerializedShipContainerCode	String	30	Serial Number 1
SEQN	mnSequenceNumber	Numeric	7	Sequence Number 2

Data Item/ Alias	Description	Data Type	Size	Element
SEQN	mnItemSerialSequence	Numeric	7	Sequence Number 2
DOCO	mnOrderNumber	Numeric	8	Document Order Invoice E
DCTO	szOrderType	String	2	Order Type
KCOO	szOrderCompany	String	5	Company Key Order No
SFXO	szOrderSuffix	String	3	Order Suffix
LNID	mnOrderLineNumber	Numeric	6	Line Number
LOTN	szSerialNumber	String	30	Lot
MMEJ	jdSerialExpireDate	Date	6	Date - Lot Expiration

RTSHPNOUTH – D4901400H

Data Item/ Alias	Description	Data Type	Size	Element
SHPN	mnShipmentNumber	Numeric	8	Shipment Number
SRL1	szSerializedShipContainerCode	String	30	Serial Number 1
SRL1	szSubContSerializedShipCont	String	30	Serial Number 1
SEQN	mnSequenceNumber	Numeric	7	Sequence Number 2
EV01	cContainHazardousMaterial	Character	1	Contains Hazardous Material
	CONTAINER			
GHET	mnGrossHeight	Numeric	15	Gross Height
GDEP	mnGrossDepth	Numeric	15	Gross Depth
GWID	mnGrossWidth	Numeric	15	Gross Width
WIUM	szDimensionUOM	String	2	Unit Of Measure Dimen
GCUB	mnGrossVolume	Numeric	15	Gross Cubic Dimensions
VUMD	szVolumeUOM	String	2	Unit Of Measure Vol Disp
GWEI	mnGrossWeight	Numeric	15	Gross Weight 2
UWUM	szWeightUOM	String	2	Unit Of Measure Weight
EQTY	szPalletType	String	5	Pallet Type
INT01	nNumberOfContainers	Integer	4	Number of Containers

Data Item/ Alias	Description	Data Type	Size	Element
	TRACKING			
REFQ	szTrackingType	String	2	Ref Number Qualifier
REFN	mnTrackingNumber	Numeric	30	Reference Number

RTSHPNOUTI - D4901400I

Data Item/ Alias	Description	Data Type	Size	Element
SHPN	mnShipmentNumber	Numeric	8	Shipment Number
SRL1	szSubContSerializedShipCont	String	30	Serial Number 1
SRL1	szSerializedShipSubContainerCode	String	30	Serial Number 1
SEQN	mnSequenceNumber	Numeric	7	Sequence Number 2
SEQN	mnSubContSequence	Numeric	7	Sequence Number 2
SEQN	mnSubContainerOrderSequence	Numeric	7	Sequence Number 2
DOCO	mnOrderNumber	Numeric	8	Document Order Invoice E
DCTO	szOrderType	String	2	Order Type
KCOO	szOrderKeyCompany	String	5	Company Key Order No
SFXO	szOrderSuffix	String	3	Order Suffix
LNID	mnOrderLineNumber	Numeric	6	Line Number

RTSHPNOUTJ – D4901400J

Data Item/ Alias	Description	Data Type	Size	Element
SHPN	mnShipmentNumber	Numeric	8	Shipment Number
SRL1	szSerializedShipContainerCode	String	30	Serial Number 1
SRL1	szSubContSerializedShipCont	String	30	Serial Number 1
SEQN	mnSequenceNumber	Numeric	7	Sequence Number 2
SEQN	mnSubContainerSequence	Numeric	7	Sequence Number 2
HSCD	szHarmonizedTariffCode	String	12	Harmonized Shipping Code

Data Item/ Alias	Description	Data Type	Size	Element
HZDC	szHarzardousMaterialCode	String	3	Hazard Classor Division
	PRODUCT			
ITM	mnShortItemNumber	Numeric	8	Identifier Short Item
LITM	sz2ndItemNumber	String	25	Identifier 2 nd Item
AITM	sz3ndItemNumber	String	25	Identifier 3rd Item
CITM	szPartnerItemNumber	String	25	Item No Customer Vendor
UPCN	szUPCEANItemNumber	String	13	UPC Number
	QUANTITY			
SOQS	mnQuantityShipped	Numeric	15	Units Quantity Shipped
UORG	mnTransactionQuantity	Numeric	15	Units Transaction Qty
UOM	szTransactionUnitOfMeasure	String	2	Unit Of Measure As Input
	LOT			
LOTN	szLot	String	30	Lot
MMEJ	jdLotExpireDate	Date	6	Date - Lot Expiration
LOT1	szMemoLot1	String	30	Memo Lot Field 1
LOT2	szMemoLot2	String	30	Memo Lot Field 2

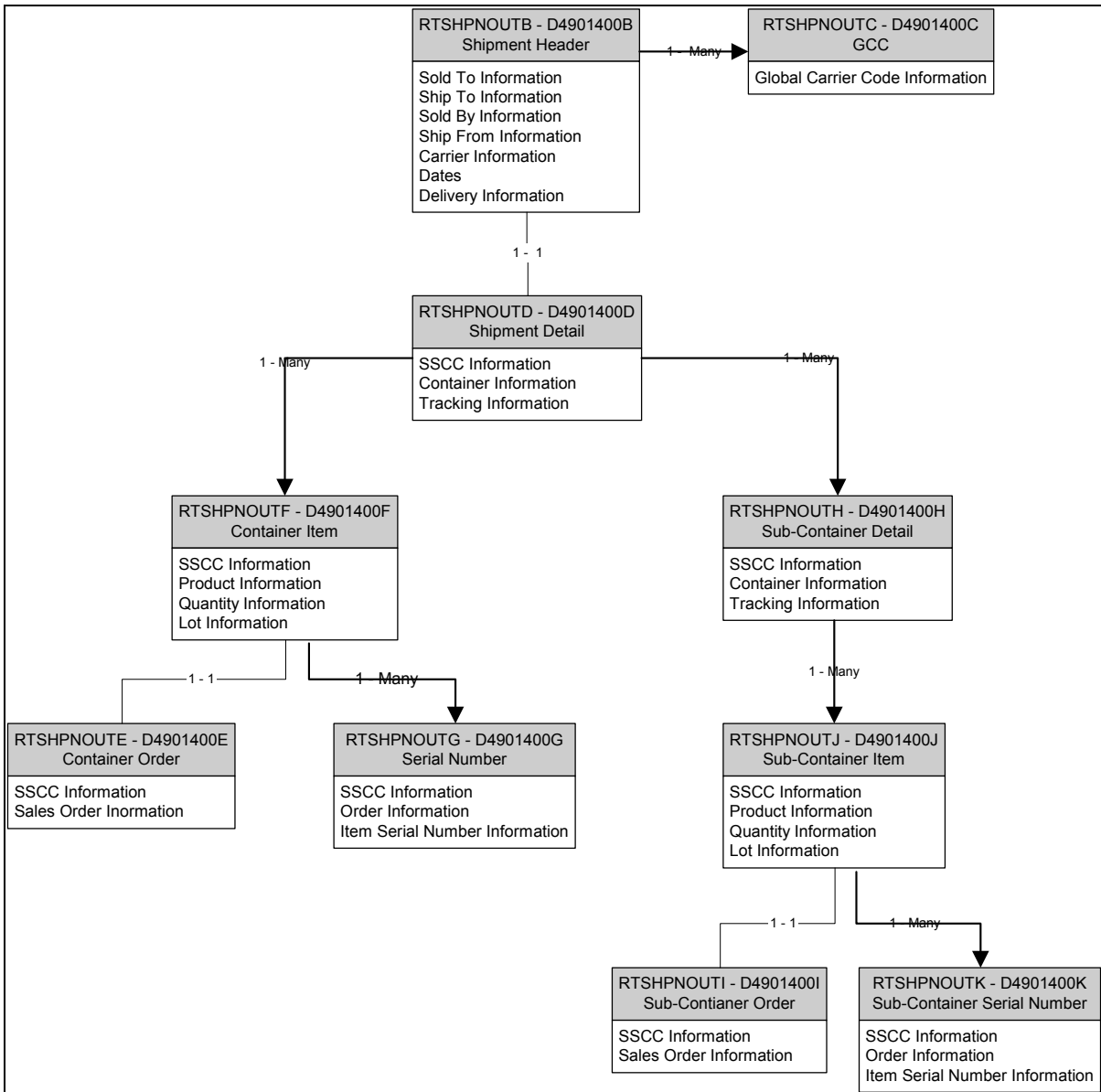
RTSHPNOUTK – D4901400K

Data Item/ Alias	Description	Data Type	Size	Element
SHPN	mnShipmentNumber	Numeric	8	Shipment Number
SRL1	szSerializedShipContainerCode	String	30	Serial Number 1
SRL1	szSubContSerializedShipCont	String	30	Serial Number 1
SEQN	mnSequenceNumber	Numeric	7	Sequence Number 2
SEQN	mnSubContItemSerialSequence	Numeric	7	Sequence Number 2
DOCO	mnOrderNumber	Numeric	8	Document Order Invoice E
DCTO	szOrderType	String	2	Order Type
KCOO	szOrderCompany	String	5	Company Key Order No

Data Item/ Alias	Description	Data Type	Size	Element
SFXO	szOrderSuffix	String	3	Order Suffix
LNID	mnOrderLineNumber	Numeric	6	Line Number
LOTN	szSerialNumber	String	30	Lot
MMEJ	jdSerialExpireDate	Date	6	Date - Lot Expiration

Conceptual Approach

When a user confirms an outbound shipment within ERP, the system triggers a notification for the XPI integration to publish. The RTSHPNOUT notification event contains ten separate events: RTSHPNOUTB, RTSHPNOUTC, RTSHPNOUTD, RTSHPNOUTE, RTSHPNOUTF, RTSHPNOUTG, RTSHNNOUTH, RTSHPNOUTI, RTSHPNOUTJ, RTSHPNOUTK.

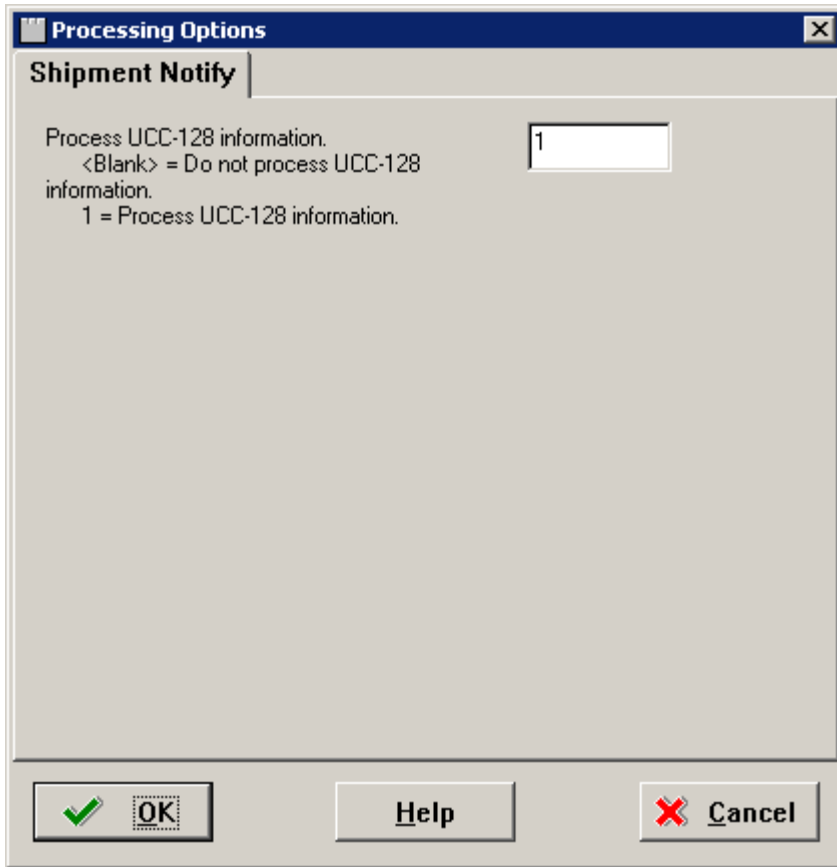


Processes That Can Initiate the Real-Time Event

- N4200790 – Shipment Confirmation MBF
- P4205 – Ship Confirm
- P49645 – Transportation Shipment Confirmation
- R47500 – Inbound Transaction Processor
- R42500 – Ship Confirm Batch Application
- R49500 – Batch Transportation Shipment Confirmation

Special Setup

To process UCC-128 information, you must setup processing options for P40XPI.



The screenshot shows a dialog box titled "Processing Options" with a close button (X) in the top right corner. The "Shipment Notify" tab is selected. The dialog contains the following text:

Process UCC-128 information.
<Blank> = Do not process UCC-128 information.
1 = Process UCC-128 information.

To the right of the text is a text input field containing the number "1".

At the bottom of the dialog, there are three buttons: "OK" (with a green checkmark icon), "Help", and "Cancel" (with a red X icon).

XAPIOPOUT

Purpose of Transaction

XAPIOPOUT is used by the ERP system to query the Order Promising system when a sales order has been entered and a promise date is requested.

Transaction Specific Instructions

Event Name	XAPIOPOUT	Comments
Event Description	Sales Order Promise Notify	
Event Type	XAPI	
Event Category	Container	Contains the following data structures: D4205010A - Order Promising Query Header D4205010B – Order Promising Query Detail DXAPIROUTE – XAPI Call Routing Information
Product Code	H42	
Reliable Delivery	1	
Timeout Threshold	0	
Data Structure	D4205010A XAPI Order Promising Query Header	

Fields Included in the Real-Time Event

Data Item/ Alias	Description	Data Type	Size	Element
USER	User ID	String	10	ERP system User ID
GS3A	Query Mode	String	30	Auto Promise or Scenario Manager Mode
GS3A	Order Number	String	30	Concatenated: Order Number, Order Type, Key Company.
ALPH	Customer Name	String	30	Ship To customer description
AN8	Customer ID	Numeric	8	Ship To customer ID

Data Item/ Alias	Description	Data Type	Size	Element
GS3A	Customer group	String	30	Blank, APS will default
ADD1	Address 1	String	40	Address 1
ADD2	Address 2	String	40	Address 2
ADD3	Address 3	String	40	Address 3
ADDZ	Postal code	String	12	Postal Code
CTY1	City	String	25	City
COUN	County	String	25	County
ADDS	State Province	String	3	State Province
CTR	Country	String	3	Country
OPBO	Business Objective	String	30	Business Objective
INT01	Allow Multi Source	Int	1	Allow Multi Source
INT01	Allow Partial Order Ship	Int	1	Allow Partial Order Ship
MAH01	Trace Depth	Numeric	15	APS field, default 0
MATH01	Penalty cost adjustment	Numeric	15	APS field, hard code = 100
INT01	Allow Backorders	Int	1	Allow Backorders
INT01	Allow Substitution	Int	1	Allow Substitution
INT01	Allow Partial Line Ship	Int	1	Allow Partial Line Ship
EV01	Display Before Accept Mode	Character	1	Display before Accept Mode
VERS	Sales Order Entry Version	String	10	Sales Order Entry Version

Event Name	XAPIOPOUT
Event Description	Sales Order Promise Notify
Event Type	XAPI
Event Category	Container
Product Code	42B
Reliable Delivery	0

Timeout Threshold	0
Data Structure	D4205010B XAPI Order Promising Query Detail

Data Item/ Alias	Description	Data Type	Size	Element
LIND	Line Number	Numeric	6	Line Number
LNIX	Cache Line Number	Numeric	6	Cache Line Number
ITM	Item Number	Numeric	8	Item Number
LITM	2 nd Item Number	String	25	2 nd Item Number
AITM	3 rd Item Number	String	25	3 rd Item Number
UOM	Order Unit	String	2	Order Unit
UORG	Order Quantity	Numeric	15	Order Quantity
UOM	Planning Unit	String	2	Planning Unit
UORG	Planning Quantity	Numeric	15	Planning Quantity
UORG	Planning Multiple	Numeric	15	Planning Multiple
UPRC	Planning Unit Price	Numeric	15	Planning Unit Price
DRQJ	Request Date	Date	6	Request Date
OPSQ	Shipping Group	String	30	Shipping Group
OPMG	Multi Source	String	30	Multi Source
INT01	Allow Partial Line Ship	Int	1	Allow Partial Line Ship
INT01	Allow Backorders	Int	1	Allow Backorders
INT01	Allow Substitution	Int	1	Allow Substitution

Conceptual Approach

When a sales order that has been added or changed, notification can be sent to Order Promising to receive a promise date for when the sales order and its items are available. When a sales order record has been added or modified, an XAPIOPOUT event will not be automatically published. A user must initiate a query to Order Promising.

Processes that can Initiate the XAPI Event

- P4210 – Sales Order Entry

XAPIOPIN

Purpose of Transaction

XAPIOPIN is used by the ERP system. XAPIOPIN is the response from Order Promising when a sales order has been queried. This event works in conjunction with XAPIOPOUT.

Transaction Specific Instructions

Event Name	XAPIOPIN	Comments
Event Description	Sales Order Promise Response	
Event Type	XAPI	
Event Category	Container	Contains the following data structures: D4205030A - Order Promising Result Header D4205030B – Order Promising Result Detail DXAPIROUTE – XAPI Call Routing Information
Product Code	H42	
Reliable Delivery	0	
Timeout Threshold	0	
Data Structure	D4205030A XAPI Order Promising Result Header	

Fields Included in the Real-Time Event

Data Item/ Alias	Description	Data Type	Size	Element
GS3A	Order Number	String	30	Concatenated: Order Number, Order Type, and Order Company.
OPBO	Business Objective	String	30	Business Objective
MATH01	Result Number	Numeric	15	Result Number
OPTC	Total Cost	Numeric	15	Total Cost
MATH01	Total Delivery Cost	Numeric	15	Total Delivery Cost
MATH01	Total Price	Numeric	15	Total Price

Data Item/ Alias	Description	Data Type	Size	Element
MATH01	Total Profit	Numeric	15	Total Profit
MATH01	Total Margin	Numeric	15	Total Margin
MATH01	Total Value	Numeric	15	Total Value
OPLD	Latest Line Date	Date	6	Latest Line Date
OPBK	Number of Backorders	Numeric	15	Number of Backorders
OPSB	Number of Substitutions	Numeric	15	Number of Substitutions
MATH01	Order Fill Rate	Numeric	15	Order Fill Rate
DSCA	Error Code	String	40	Error Code
DS01	Error Description	String	80	Error Description
INT01	Allow partial order ship	Int	1	Allow partial order ship
INT01	Allow multi source	Int	1	Allow multi source
INT01	Allow backorders	Int	1	Allow backorders
INT01	Allow substitution	Int	1	Allow substitution
INT01	Allow partial line ship	Int	1	Allow partial line ship
EV01	Display Before Accept Mode	Character	1	Display Before Accept Mode
VERS	Sales Order Entry Version	String	10	Sales Order Entry Version

Event Name	XAPIOPIN
Event Description	Sales Order Promise Response
Event Type	XAPI
Event Category	Container
Product Code	42B
Reliable Delivery	0
Timeout Threshold	Recommendation
Data Structure	D4205030B XAPI Order Promising Result Detail

Data Item/ Alias	Description	Data Type	Size	Element
LNID	Line Number	Numeric	6	New line number
LNID	Original Line Number	Numeric	6	Original line number
LINX	Cache Line Number	Numeric	6	Original cache line number
ITM	Requested Item	Numeric	8	Requested Item
ITM	Available Item	Numeric	6	Requested or Substituted item; This is the actual item used
UORG	Available Amount	Numeric	15	In planning UOM
RSDJ	Available Date	Date	6	Final Delivery Date
DRQJ	Requested Date	Date	6	Original Requested Date
PDDJ	Pick Date	Date	6	Pick Date
PSDJ	Ship Date	Date	6	Ship Date
MCU	Ship Location	String	12	Detail Branch Plant
UNCS	Cost	Numeric	15	Cost
UNCS	Delivery Cost	Numeric	15	Delivery Cost
UPRC	Price	Numeric	15	Price
UPRC	Profit	Numeric	15	Profit
UPRC	Margin	Numeric	15	Margin
UPRC	Value	Numeric	15	Value
MATH01	Substitution Ratio	Numeric	15	Substitution Ratio
OPSG	Shipping Group	String	30	Shipping Group
OPMG	Multi Source	String	30	Multi Source
DSCA	Error Code	String	40	Error Code
DS01	Suspected Cause	String	80	Suspected Cause
INT01	Allow partial line ship	Int	1	Allow partial line ship
INT01	Allow backorders	Int	1	Allow backorders
INT01	Allow substitution	Int	1	Allow substitution

Conceptual Approach

A sales order that has been queried against Order Promising is sent back through this response event containing a promise date.

Processes that can Receive the XAPI Event

- P4210 – Sales Order Entry

Supplier

- ❑ RTSMOUT
- ❑ RTSMPHOUT
- ❑ RTSMEAOUT

RTSMOUT

Purpose of Transaction

RTSMOUT is used by the ERP system to inform third-party systems of supplier additions, changes, or deletions.

Transaction Specific Instructions

Event Name	RTSMOUT	Comments
Event Description	Supplier Master Manage Notify	
Event Type	RTE	
Event Category	Container	Contains the following events: RTSMHDR (D0100083A) RTSMPHOUT (D0100083B) RTSMEAOUT (D0100083C)
Product Code	01	
Reliable Delivery	1	
Timeout Threshold	0	
Data Structure	D0100083A	

Fields Included in the Real-Time Event

Data Item/Alias	Description	Data Type	Size	Element
ACTN	cActionCode	Char	1	Event Action (add, change, delete)
AN8	mnAddressNumber	Numeric	8	Supplier Number
ALPH	szNameAlpha	String	40	supplier name
PA8	mnAddressNumberParent	Numeric	8	Supplier parent
MLNM	szMailingName	String	40	Mailing name of supplier
ADD1	szAddressLine1	String	40	Address line 1
ADD2	szAddressLine2	String	40	Address line 2

Data Item/Alias	Description	Data Type	Size	Element
ADD3	szAddressLine3	String	40	Address line 3
ADD4	szAddressLine4	String	40	Address line 4
CTY	szCity	String	25	City
COUN	szCounty	String	25	County
ADDS	szState	String	3	State
ADDZ	szZipCodePostal	String	12	Zip
CTR	szCountry	String	3	Country
PYE	mnPayee	Numeric	8	Payee
ANCR	mnCarrier	Numeric	8	Carrier
FRTH	szFreightHandlingCode	String	3	Freight Handling Code
TAX2	szTaxArea2	String	10	Tax Rate/Area
EXR2	szTaxExplanationCode	String	2	Tax Explanation Code
TAX	szTaxId	String	20	Tax ID
CRRP	szCurrencyCode_CRRP	String	3	Currency Code F0401
PYIN	cPaymentInstrument	Char	1	Payment Instrument
TRAP	szPaymentTermsAP	String	3	Payment Terms
PRP5	szLandedCostRule	String	3	Landed Cost Rule
MCUP	szBusinessUnit_MCUP	String	12	Business Unit F0401
OBAP	szObjectAccount	String	6	Object Account F0401
AIDP	szSubsidiary	String	8	Subsidiary F0401
AT1	szAddressType1	String	3	Search Type
MCU	szBusinessUnit_MCU	String	12	Business Unit F0101
PH1	szPhoneNumber	String	20	Phone Number
PH1	szFaxNumber	String	20	Fax Number
EMAL	szEmailAddressow	String	256	E-mail Address
SCCLTP	szShortcutClientType	String	2	Shortcut Client Type

Conceptual Approach

A supplier record added, modified, or deleted in the ERP system creates a new record in a number of tables such as F0401 and F0101. A real-time notification event is triggered in the Supplier Master or Address Book Master Business Function after data is modified in any supplier table.

Processes that can Initiate the Real-Time Event

- N0100041 – Address Book master business function
- N0100043 – Supplier Master master business function
- P0111 – Who's Who application
- P0115 – Phones application
- P01111 – Contact Information E-mail application
- B0100073 - Electronic Address – Phones business function
- B0100083 – Supplier Master Real Time event notification function

RTSMPHOUT

Purpose of Transaction

RTSMPHOUT is used by the ERP system to inform third-party systems of supplier phone number changes.

Transaction Specific Instructions

Event Name	RTSMPHOUT
Event Description	Supplier Master Manage Notify – Phones structure
Event Type	RTE
Event Category	Single
Product Code	01
Reliable Delivery	1
Timeout Threshold	0
Data Structure	D0100083B

Fields Included in the Real-Time Event

Data Item/Alias	Description	Data Type	Size	Element
PHTP	szPhoneNumberType	String	4	Type of phone number (fax, home, work, etc)
PH1	szPhoneNumber	String	20	Phone number
AN8	mnAddressNumber	Numeric	8	Supplier Number
IDLN	mnLineNumberID	Numeric	8	Who's who of supplier
AR1	szPhoneAreaCode1	String	6	Area Code
RCK7	mnSequenceNumber	Numeric	8	Sequence number in F0115 table of record
SCCLTP	szShortcutClientType	String	2	Shortcut Client Type

Conceptual Approach

A phone number is changed for a supplier. This change is sent out via real-time events. This array allows an infinite number of phone numbers for a given supplier.

Processes that can Initiate the Real-Time Event

- N0100041 – Address Book master business function
- N0100043 – Supplier Master master business function
- P0111 – Who's Who application
- P0115 – Phones application
- P01111 – Contact Information E-mail application
- B0100073 - Electronic Address – Phones business function
- B0100083 – Supplier Master Real Time event notification function

RTSMEAOUT

Purpose of Transaction

RTSMEAOUT is used by the ERP system to inform third-party systems of supplier e-mail address changes.

Transaction Specific Instructions

Event Name	RTSMEAOUT
Event Description	Supplier Master Manage Notify – E-mail structure
Event Type	RTE
Event Category	Single
Product Code	01
Reliable Delivery	1
Timeout Threshold	0
Data Structure	D0100083C

Fields Included in the Real-Time Event

Data Item/Alias	Description	Data Type	Size	Element
AN8	mnAddressNumber	Numeric	8	Address number of supplier
IDLN	mnLineNumberID	Numeric	8	whos who number of supplier
	szElectronicAddressType	String	4	Type of electronic address such as e-mail or URL
EMAL	szEmailAddressow	String	256	Email address or URL
RCK7	mnSequenceNumber70	Numeric	8	Sequence number of record in F01151 table
SCCLTP	szShortcutClientType	String	2	Shortcut Client Type

Conceptual Approach

An e-mail address is added or changed for a supplier. This change is sent out via real-time events. This array allows an infinite number of e-mail addresses for a given supplier.

Processes that can Initiate the Real-Time Event

- N0100041 – Address Book MBF
- N0100043 – Supplier Master MBF
- P0111 – Who's Who application
- P0115 – Phones application
- P01111 – Contact Information E-mail application
- B0100073 - Electronic Address – Phones business function
- B0100083 – Supplier Master real-time event notification function