



# Signature

## SmartConnect Integration Manager Guide

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# Table of Contents

<b>Installing Integration Manager</b> .....	<b>1</b>
Prerequisites .....	1
Installation .....	2
Enable Registration Keys .....	2
Install Integration Manager .....	2
Set up Read Access in SQL Server Manager for eConnect User .....	2
<b>Signature Nodes Reference</b> .....	<b>3</b>
Signature Service Management .....	3
Signature Job Cost.....	3
Signature Equipment Management.....	3
Signature Shared .....	3
<b>Signature Integration Technical Reference</b> .....	<b>3</b>
k2aJobAppointmentNote.....	4
k2aMobileContactWork .....	5
SMS_Build_Customer_Quicksearch .....	6
Table Name: SV00054 .....	6
Error Codes.....	9
wsiCreateJobMasterCostCode .....	10
Table Name: JC40202 .....	10
Error Codes.....	17
wsiCustomerMaintenance.....	18
wsiJCBillingCodesMSTR .....	36
Table Name: JC00601 .....	36
Validations.....	42
Error Codes.....	42
wsiJCCashReceipts .....	43
Table Name: JC20502 .....	43
Error Codes.....	47
wsiJCChangeOrdersDetailMSTR .....	47
Table Name: JC01002 .....	47
Error Codes.....	55

wsiJCChangeOrdersMSTR .....	57
Table Name: JC01001 .....	58
Error Codes .....	65
wsiJCForecastCostRevisionMSTR .....	66
Table Name: JC00201 .....	67
Error Codes .....	72
wsiJCInventoryWork .....	73
Table: JC10201 .....	73
Error Codes .....	79
wsiJCInvoiceSchedule .....	80
Table: JC10503 .....	80
Error Codes .....	85
wsiJCJobDetailMSTR .....	86
Table Name: JC00701 .....	86
Error Codes .....	98
wsiJCJobEstimates .....	100
Table: JC00401 .....	100
Error Codes .....	104
wsiJCJobMaster .....	105
Error Codes .....	121
wsiJCVendorMaster .....	123
Table Name: JC01501 .....	123
Error Codes .....	130
wsiJobCostInvoiceOPEN .....	130
Table: JC20501 .....	130
Error Codes .....	141
wsiJobCostInvoiceScheduleOPEN .....	148
Table: JC20503 .....	148
Error Codes .....	153
wsiJobInvoiceUpdateJCJobMSTRRecord .....	156
wsiMobileInventoryWork .....	166
Table Name: WS20002 .....	166

wsiMobilePurchaseOrderWork.....	168
Table Name: WS20003 .....	168
wsiPMTransactionLine.....	170
Table Name: WS10001 .....	170
wsiSMSAppointment.....	177
Table: SV00301 .....	178
Error Codes .....	182
wsiSMSContract .....	183
Table Name: SV00500 .....	183
wsiSMSContractQuote.....	196
Table: SV00502 .....	197
Error Codes .....	207
wsiSMSContractTask .....	208
Table Name: SV00582 .....	208
wsiSMSEquipment .....	216
Table Name: SV00400 .....	216
wsiSMSEquipmentContract .....	223
Table Name: SV00403 .....	223
wsiSMSInvoice.....	227
Table Name: SV00700 .....	227
wsiSMSJobCostsHistory .....	240
Table: SV000815 .....	240
Error Codes .....	249
wsiSMSJobCostsWork.....	250
Table: SV000810 .....	250
Error Codes .....	259
wsiSMSLocation .....	260
Table Name: SV00200 .....	260
Error Codes .....	272
wsiSMSQuote .....	274
Table Name: SV00502 .....	274
wsiSMSQuoteTask.....	284

Table: SV00545 .....	284
Error Codes .....	292
wsiSMSServiceCall .....	293
Table: SV00300 .....	293
Error Codes .....	301
wsiSMSServiceTasksMaster .....	302
Table: SV00302 .....	302
Error Codes .....	309
wsiSMSTaskCodes .....	309
Table: SV00560 .....	310
Error Codes .....	316
wsiSMSTechnician .....	318
Table: SV00115 .....	318
Error Codes .....	321
wsiSMSVehicle .....	323
Table: SV00113 .....	323
Error Codes .....	326
wsiWSCreateUpdatePurchaseOrderIntegration .....	327
Tables: WS10101, SV00300, JC00102, JC00701, PM00200, IV00101, POP10100, POP10110 ..	327
Error Codes .....	329
wsiWSTransactionalHeaderAndLine .....	330
Name: wsiWSTransactionHeader .....	330
Name: wsiWSTransactionLine .....	335
wsiWSTransactionHeaderCreate .....	343
Table Name: WS10801 .....	343
wsiWSTransactionLineCreate .....	348
Table Name: WS10802 .....	348
<b>Contact Information .....</b>	<b>357</b>

Signature SmartConnect Integration Manager aids you in creating and updating records in Signature by importing data from different sources. Using SmartConnect, Integration Manager allows you to build maps from existing sources of data, for example, Excel, CRM, XML, or any other ODBC connection, to Signature's import procedures. Signature data can then be imported into Microsoft Dynamics GP.

This is useful during both the initial implementation of Signature as well as any ongoing interfacing with other systems.

SmartConnect uses eConnect to integrate Microsoft Dynamics GP with other data sources; both products come with a standard set of GP nodes, node types, and node groups that are used to break down the integration into areas.

For example, the General Ledger node group contains many node types, for importing Accounts, Transactions, etc. Each node type is a functional group of nodes that are used to create, update, or delete GP transactions and records.

Depending on the data you need to import, for each group of related nodes, you can create a SmartConnect map that matches the source data to the destination. This map allows you to import data into GP.

In addition to the standard GP nodes, you can now import Signature data with nodes created by Signature Integration Manager.

- [Installing Integration Manager \(page 1\)](#)
- [Signature Nodes Reference \(page 3\)](#)
- [Signature Integration Technical Reference \(page 3\)](#)

## Installing Integration Manager

Refer to the SmartConnect manual for system requirements and instructions for installing and setting up SmartConnect 2018.

- [Prerequisites \(page 1\)](#)
- [Installation \(page 2\)](#)
  - [Enable Registration Keys \(page 2\)](#)
  - [Install Integration Manager \(page 2\)](#)
  - [Set up Read Access in SQL Server Manager for eConnect User \(page 2\)](#)
    - [Determining the User Name \(page 2\)](#)
    - [Granting Read Access \(page 3\)](#)

## Prerequisites

To find a complete list of system requirements across all the Signature modules, please refer to the Signature System Requirements document found on the [Product Download<sup>1</sup>](#) page on Signature Resources. <http://www.key2act.com/customer-portal/downloads>

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<sup>1</sup> <http://www.key2act.com/customer-portal/downloads>

# Installation

## Enable Registration Keys

Integration Manager must be registered before it can be installed. Complete the following steps to validate the registration key that includes Integration Manager.

1. Select Start > All Programs > Signature Product Registration > Registration Key Setup.
2. In the Registration Key Entry window, enter the **User ID** and **Password** for the "sa" user.
3. Select the **SQL Server Instance** where Signature products are installed.
4. Enter a **Runtime Password** for the registration user.
5. Enter the **Server Name** and select the **Virtual Directory** where the WSRegistration web service is located.
6. Locate and select the .TXT file that contains your registration key information.
7. Select *Register*.
8. You will receive a message when the registration key is successfully validated. Select *OK*.

## Install Integration Manager

1. Launch the file *Signature.SmartConnect.IntegrationManager xxxxx.exe*.
2. Complete the following fields on the installation window:
  - **Username**  
Enter your Microsoft Dynamics GP user name, or leave this field blank to use your Windows credentials.
  - **Password**  
If you entered a user name, enter your password.
  - **SQL Server**  
Enter the SQL Server name and instance where Signature is installed:  
<server name>\<server instance>
  - **System Database**  
Enter the name of the system database where Signature is installed.
  - **Web Server**  
Enter the location where the Signature Registration Web service is installed. You must have Integration Manager registered before it can be installed.
3. Select *Install*. When the installation is complete, you receive a message telling you that Integration Manager was successfully installed.
4. Select *OK*, and close the installer window.

## Set up Read Access in SQL Server Manager for eConnect User

To view more precise error messages that you may receive, the user that was set up to run the integrations needs to have Read Access to the SmartConnect database.

## Determining the User Name

To find the user name:

1. On the workstation where eConnect is installed, open **Windows Administrative Tools**.
2. Double-click **Services**.
3. Double-click **eConnect for Microsoft Dynamics GP xxxx Integration Service**. (xxxx is the GP year.)
4. Select the **Log On** tab.



5. The user listed in this window needs to have Read Access to the SmartConnect database.

## Granting Read Access

1. Open **SQL Server Management Studio**.
2. Verify that the user exists under *Security > Login*. If the user does not exist, you will have to add the user with permissions to the SmartConnect database.
3. If the user does exist, right-click on the user and select **Properties**.
4. Under **Select a page**, select **User Mapping**.
5. Under **Users mapped to this login**, select **SmartConnect** to give access to the database.
6. Under **Database role membership**, mark at least **db\_datareader**.
7. Select **OK** to save your changes.

## Signature Nodes Reference

The following nodes are created for importing Signature data when Integration Manager is installed.

### Signature Service Management

- SMS Equipment
- SMS Contracts
- SMS Contract Tasks
- SMS Contract Equipment
- SMS Technician
- SMS Customers
- SMS Locations
- SMS Vehicles
- SMS Job Cost Work Transactions
- SMS Service Calls
- SMS Task Codes
- SMS Contract Quotes
- SMS Service Appointments
- SMS Quotes
- SMS Quote Tasks

### Signature Job Cost

- JC Jobs
- JC Job Details
- JC Billing Codes
- JC Forecast Revisions
- JC Change Orders
- JC Change Order Details
- JC Vendors
- JC Cost Codes
- JC Job Estimates
- JC Invoice Schedules
- JC Invoice Open Transactions
- JC Cash Receipts

### Signature Equipment Management

- EMS Equipment
- EMS Rental Agreement Header
- EMS Rental Agreement Line
- EMS Rental Agreement Line Distributions
- EMS Rental Agreement Line Rates
- EMS Register OP Log Master
- EMS Preventative Maintenance

### Signature Shared

- WS Transactions Header
- WS Transaction Line
- WS Purchase Orders
- WS PM Transactions

## Signature Integration Technical Reference

Stored procedures are now provided to enhance the Signature Utilities imports. This will enable integration developers to create a data migration solution that is quicker and easier to use.

For each table, there is a PRE- and POST- script, which are non-encrypted procedures that allow consumers of the main procedure to validate both incoming and outgoing data from the main procedure. These scripts are essentially "empty boxes" that pass the parameters through and from the main script and the consumer of these import procedures can modify these and apply their own custom logic.

Refer to each section below to review information such as the SQL table that it represents, element definitions, and error codes.

## k2aJobAppointmentNote

**Table Name:** JC000805

**Description:** This procedure allows the insert or update of records into the Job Appointment Note MSTR table.

Element Name	Data Type	Length	Required	Default	Description
@I_vWS_Job_Number	varchar	17	Yes		
@I_vAppointment	varchar	25	Yes		
@I_vTechnician	varchar	11	Yes		
@I_vNote_Service_Ind ex	varchar	25	Yes		
@I_vWS_Note_Type	varchar	1	Yes		
@I_vNote_Author	varchar	21	No	null	
@I_vReminder	tinyint	1	No	null	
@I_vReminder_Date	datetime	8	No	null	
@I_vPrintable_Group	smallint	2	No	null	
@I_vCREATDDT	datetime	8	No	null	
@I_vCreated_Time	datetime	8	No	null	
@I_vCRUSRID	varchar	15	No	null	
@I_vMODIFDT	datetime	8	No	null	
@I_vModified_Time	datetime	8	No	null	
@I_vMDFUSRID	varchar	15	No	null	
@I_vRecord_Notes	varchar	8000	No	null	
@I_vUSRDEFND1	varchar	50	No	null	

Element Name	Data Type	Length	Required	Default	Description
@I_vUSRDEFND2	varchar	50	No	null	
@I_vUSRDEFND3	varchar	50	No	null	
@I_vUSRDEFND4	varchar	8000	No	null	
@I_vUSRDEFND5	varchar	8000	No	null	
@I_vUpdateIfExists	tinyint	1	No	0	
@I_vSkipIfExists	tinyint	1	No	0	
@O_iErrorState	int	4	No	0	
@oErrString	varchar	255	No	empty	

## k2aMobileContactWork

**Table Name:** WS20004

**Description:** This procedure allows the insert or update of records into the Mobile Contacts WORK table.

Element Name	Data Type	Length	Required	Default	Description
@I_vCUSTNMBR	varchar	15	Yes		
@I_vADRSCODE	varchar	15	Yes		
@I_vWS_Contact_Name	varchar	41	Yes		
@I_vE_Mail_Address	varchar	255	Yes		
@I_vPHONE1	varchar	21	Yes		
@I_vContact_ID	varchar	15	No	0	The value of 0 really means new contact
@I_vPhone_ID	varchar	15	No	0	The value of 0 really means new contact phone.
@I_vContact_Role_Type	varchar	11	No	null	
@I_vPhone_Type	varchar	13	No	null	
@I_vMODIFDT	datetime	8	No	null	

Element Name	Data Type	Length	Required	Default	Description
@I_vModified_Time	datetime	8	No	null	
@I_vMDFUSRID	varchar	15	No	null	
@I_vCREATDDT	datetime	8	No	null	
@I_vCreated_Time	datetime	8	No	null	
@I_vCRUSRID	varchar	15	No	null	
@I_vMKTOPROC	tinyint	1	No	null	
@I_vERMSGTXT	varchar	255	No	null	
@I_vUSRDEFND1	varchar	50	No	null	
@I_vUSRDEFND2	varchar	50	No	null	
@I_vUSRDEFND3	varchar	50	No	null	
@I_vUSRDEFND4	varchar	8000	No	null	
@I_vUSRDEFND5	varchar	8000	No	null	
@I_vUpdateIfExists	tinyint	1	No	0	
@I_vSkipIfExists	tinyint	1	No	0	
@O_iErrorState	int	4	No	0	
@oErrString	varchar	255	No	empty	

## SMS\_Build\_Customer\_Quicksearch

- [Table Name: SV00054 \(page 6\)](#)
- [Error Codes \(page 9\)](#)

### Table Name: SV00054

**Other tables affected:** None

**Other stored procedures called:** None

**Description:**

This procedure allows the insert/update of records into the Service Customer Quicksearch.

Element Name	Data Type	Length	Required	Default	Description
@I_vCustomerNumber	char	15	Yes		Validated in SV00100 and RM00101, convert to upper case
@I_vAddressCode	char	15	Yes		
@I_vWennsoftAffiliate	char	15	Yes		Existing Affiliate in sv00015. Only required if 'Use Global Record Identification Records' is marked on in Service. Not Required on Updates
@I_vWennsoftRegion	char	15	Yes		Existing Region in sv00015. Only required if 'Use Global Record Identification Records' is marked on in Service. Not Required on Updates
@I_vWennsoftBranch	char	15	Yes		Existing Branch in sv00015. Only required if 'Use Global Record Identification Records' is marked on in Service. Not Required on Updates
@I_vCustomerName	char	65	No		
@I_vLocationName	char	31	No		
@I_vAddress1	char	61	No		
@I_vPhone1	char	21	No	000000000000000000	Defaults to zero.Is right padded to fill with zerosNot formatted (i.e. 262-821-4100 Ext: 3619 would be 26282141003619) Length can't be greater than 14

Element Name	Data Type	Length	Required	Default	Description
@I_vPhone2	char	21	No	000000000000000000	Defaults to zero.Is right padded to fill with zerosNot formatted (i.e. 262-821-4100 Ext: 3619 would be 26282141003619) Length can't be greater than 14
@I_vFax	char	21	No	000000000000000000	Defaults to zero.Is right padded to fill with zerosNot formatted (i.e. 262-821-4100 Ext: 3619 would be 26282141003619) Length can't be greater than 14
@I_vZip	char	11	No		
@I_vUserDefine1a	char	31	No		
@I_vTimeZone	char	3	No		
@I_vWSPPrimary	tinyint	3	No		With Customer and Primary Bill Address Code check to see if Primary and if it is then set to 1
@I_vGlobalCustomer	tinyint	3	No		
@I_vCity	char	35	No		
@I_vUpdateIfExists	tinyint	3	Yes	1	Defaults to 1. It can only be 0 for don't update or 1 update if exists
@I_vWennSoftTablesOnly	tinyint	3	Yes	0	Defaults to false.
@I_vOnlyValidate	tinyint	3	Yes	0	Defaults to false
@I_vUSRDEFND1	char	50	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vUSRDEFND2	char	50	No		
@I_vUSRDEFND3	char	50	No		
@I_vUSRDEFND4	varchar	8000	No		
@I_vUSRDEFND5	varchar	8000	No		
@I_vReturnErrorText	tinyint	3	No	1	Defaults to false
@O_iErrorState	int	10	No	0	
@oErrString	varchar	255	No		

## Error Codes

Error Code	Description
51102	The customer is empty
51000	Customer Number does not exist in Service
51001	Customer Number does not exist in Microsoft Business Solutions
52189	Address Code field is empty
52177	affiliate, region and branch are not valid
52190	Location Name field is empty
52191	Phone 1 field contains an invalid value (length > 14).

Error Code	Description
52192	Phone 2 field contains an invalid value (length > 14).
52192	Fax field contains an invalid value (length > 14).

## wsiCreateJobMasterCostCode

- [Table Name: JC40202 \(page 10\)](#)
- [Error Codes \(page 17\)](#)

### Table Name: JC40202

**Other tables affected:** <none>

**Other stored procedures called:** wsiCreateJobMasterCostCodePre, wsiCreateJobMasterCostCodePost

**Description:**

This procedure allows the insert or update of records into the Job Master Cost Code table.

Element Name	Data Type	Length	Required	Default	Description
@I_vWSCostCode Number1	char	7	Yes	'	I_vWSCostCodeNumber1 length is equal to the value in JC40103.Cost_Code_Seg_Length_1
@I_vWSCostCode Number2	char	7	Yes	'	I_vWSCostCodeNumber2 length is equal to the value in JC40103.Cost_Code_Seg_Length_2
@I_vWSCostCode Number3	char	7	Yes	'	I_vWSCostCodeNumber3 length is equal to the value in JC40103.Cost_Code_Seg_Length_3
@I_vWSCostCode Number4	char	7	Yes	'	I_vWSCostCodeNumber4 length is equal to the value in JC40103.Cost_Code_Seg_Length_4
@I_vCostCodeAlias	char	27	No	'	This value must be empty. The stored procedure will construct the Cost Code Alias based on Cost Code Numbers and Cost Element.



Element Name	Data Type	Length	Required	Default	Description
@I_vCostCodeDescription	char	31	No	'	Cannot be blank
@I_vAccountIndex	int	10	No	0	I_vAccountIndex exists in GL00100 and is not a unit account. I_vAccountIndex must be zero when using option "Cost Code Debit Posting Accounts by Division" since the Account Index will default in when the cost code is added to a job. I_vAccountIndex must not be zero when using "Cost Code Debit Posting Account by Cost Codes", unless the Cost Code exists already in which case I_vAccountIndex will default in. I_vAccountIndex must be for an active account.
@I_vNextSubdivisionType	smallint	5	No	0	
@I_vProfitTypeNumber	smallint	5	No	0	A) I_vProfitTypeNumber exists in JC40208 B) if I_vProfitTypeNumber is 9, then I_vCostElement must be 1
@I_vProfitAmount	numeric	19,5	No	0	A) If I_vProfitTypeNumber = 3, then I_vProfitAmount cannot equal 100 B) If I_vProfitTypeNumber = 1 or I_vProfitTypeNumber = 2, then I_vProfitAmount must be zero
@I_vTypeofTransaction	smallint	5	No	0	The type of transaction is 1, 2, 3, or 4
@I_vCostElement	smallint	5	Yes	0	I_vCostElement exists in JC40209
@I_vEstimatedStartDate	datetime		No	01/01/1900'	

Element Name	Data Type	Length	Required	Default	Description
@I_vEstimatedCompletionDate	datetime		No	01/01/1900'	
@I_vCostCodeEstimatedUnits	numeric	19,5	No	0	
@I_vEstimatedAmountUnits	numeric	19,5	No	0	
@I_vEstimatedMeasureCode	char	7	No	'	I_vEstimatedMeasureCode exists in JC40102
@I_vCostCodeEstimatedCost	numeric	19,5	No	0	
@I_vCostCodeRevisedEstimatedCost	numeric	19,5	No	0	
@I_vCostCodeForecastedCost	numeric	19,5	No	0	
@I_vCostCodeRevisedForecast	numeric	19,5	No	0	
@I_vProductionEstimateQty	numeric	19,5	No	0	
@I_vProductionQtyUnit	numeric	19,5	No	0	
@I_vProductionMeasureCode	char	7	No	'	I_vProductionMeasureCode exists in JC40102
@I_vVendorNumber	char	25	No	'	I_vVendorNumber exists in PM00200

Element Name	Data Type	Length	Required	Default	Description
@I_vItemNumber	char	31	No	'	
@I_vPurchaseOrderNumber	char	21	No	'	
@I_vWorkersComp	char	7	No	'	I_vWorkersComp exists in UPR40700
@I_vUserDefine1	char	31	No	'	
@I_vUserDefine2	char	31	No	'	
@I_vUserDefined1	char	21	No	'	
@I_vUserDefined2	char	21	No	'	
@I_vUserDefinedInteger1	int	10	No	0	
@I_vUserDefinedInteger2	int	10	No	0	
@I_vUserDefinedInteger3	int	10	No	0	
@I_vUserDefinedInteger4	int	10	No	0	
@I_vUserDefinedDollar1	numeric	19,5	No	0	
@I_vUserDefinedDollar2	numeric	19,5	No	0	

Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefinedD ollar3	numeric	19,5	No	0	
@I_vUserDefinedD ollar4	numeric	19,5	No	0	
@I_vUserDefinedD ate1	datetime		No	01/01/1900'	
@I_vUserDefinedD ate2	datetime		No	01/01/1900'	
@I_vWSUserDefin edDate3	datetime		No	01/01/1900'	
@I_vWSUserDefin edDate4	datetime		No	01/01/1900'	
@I_vUserDefinedC B1	tinyint	3	No	0	
@I_vUserDefinedC B2	tinyint	3	No	0	
@I_vUserDefinedC B3	tinyint	3	No	0	
@I_vUserDefinedC B4	tinyint	3	No	0	
@I_vWennsoftAffili ate	char	15	No	'	
@I_vWennsoftBra nch	char	15	No	'	

Element Name	Data Type	Length	Required	Default	Description
@I_vWennsoftRegi on	char	15	No	'	
@I_vSVLanguageL D	smallint	5	No	0	
@I_vTimeZone	char	3	No	'	
@I_vWSReservedC B1	tinyint	3	No	0	
@I_vWSReservedC B2	tinyint	3	No	0	
@I_vWSReservedC B3	tinyint	3	No	0	
@I_vWSReservedC B4	tinyint	3	No	0	
@I_vWSReservedC B5	tinyint	3	No	0	
@I_vWSReservedC B6	tinyint	3	No	0	
@I_vWSReservedC B7	tinyint	3	No	0	
@I_vWSReservedC B8	tinyint	3	No	0	
@I_vWSReservedC B9	tinyint	3	No	0	

Element Name	Data Type	Length	Required	Default	Description
@I_vWSReservedCB10	tinyint	3	No	0	
@I_vWSReservedSTR1	char	11	No	'	
@I_vWSReservedSTR2	char	11	No	'	
@I_vUpdateIfExists	tinyint	3	Yes	0	
@I_vWennSoftTablesOnly	tinyint	3	Yes	0	
@I_vOnlyValidate	tinyint	3	Yes	0	
@I_vUSRDEFND1	char	50	No	'	
@I_vUSRDEFND2	char	50	No	'	
@I_vUSRDEFND3	char	50	No	'	
@I_vUSRDEFND4	varchar	8000	No	'	
@I_vUSRDEFND5	varchar	8000	No	'	
@I_vReturnErrorText	tinyint	3	No	1	
@O_iErrorState	int	10	No	0	
@oErrString	varchar	255	No	'	

## Error Codes

Error Code	Description
51089	The Cost Element must be in the range of 1 to 9.
52243	The length of the first Job Cost Code Segment is incorrect.
52244	The length of the second Job Cost Code Segment is incorrect.
52245	The length of the third Job Cost Code Segment is incorrect.
52246	The length of the fourth Job Cost Code Segment is incorrect.
52293	Cost Code Alias must be empty.
51205	The profit type number does not exist in the profit type setup table.
52250	The Cost Element must be 1 for Profit Type Number 9 Service Labor Rate Group.
52251	The Profit Amount cannot be 100 for a Job Cost Code with Profit Type Number 3 Percent Margin.
52252	The Profit Amount must be zero for Job Cost Codes with Profit Type Number 1 Non-billable.
52253	The Profit Amount must be zero for Job Cost Codes with Profit Type Number 2 None.
52254	The Type of Transaction value for a Job Cost Code must be 1, 2, 3, or 4.
52298	The account index must be zero when using option Cost Code Debit Posting Accounts by Division.
51164	Account Index does not exist.

Error Code	Description
51165	Account number is inactive.
52264	Unit accounts cannot be used with job cost codes.
52256	The Production Measure Code does not exist.
52257	The Estimated Measure Code does not exist.
52259	The Workers Compensation Code does not exist.
52261	The Vendor ID does not exist.
52262	The Cost Code Description cannot be blank for a Job Cost Code.

## wsiCustomerMaintenance

### Description:

Imports customer data specific to Signature and validates the data substantially like the Signature Customer Maintenance window. Other data fields in this window specific to GP may be imported using eConnect.

Element Name	Data Type	Length	Required	Default	Description		
@I_vCustomer Number	char	15	No	Yes	Customer Number is checked to determine if this is a create or an update. If the field is null or empty the next auto-generated Customer Number from Service Setup - Service Options - Auto Generate Numbers Setup is used. If the Auto Generate numbers in Service are not setup and the field is empty or null the record is rejected. Also convert to upper	x	SV00100SV00200eC -RM00101sv00015 - Branch MSTRSV00199 - Auto Number MSTR



Element Name	Data Type	Length	Required	Default	Description		
@I_vCustomer Name	char	65	Yes		Not required on updates.	x	eC
@I_vCustomer ClassID	char	15	No		Null or Existing Class ID in RM00201 This will pull all the information from the classID into this customer's data.		eCRM00201.CLASSID
@I_vService Branch	char	15	Yes		Existing Branch in sv00015. Only required if 'Use Global Record Identification Records' is marked on in Service. Not required on updates	x	SV00100sv00196.Record= 1check sv00196.Service_Option_Box_5 ("Use Global Record Identification Filters")sv00015.Branch_Name- (Branch Master table) is unique or use the combination of Wennsoft_Affiliate, Wennsoft_Region, Wennsoft_Branch (these three make the Primary Key)
@I_vAddressCode	char	15	Yes		Converted to upper case. Not required if update. Created or updated in RM00102	x	RM00102RM00101
@I_vLocation Name	char	?	Yes		Not required on updates.	x	
@I_vAddress1	char	61	No			x	
@I_vAddress2	char	61	No			x	
@I_vAddress3	char	61	No			x	

Element Name	Data Type	Length	Required	Default	Description		
@I_vCountry	char	61	No			x	
@I_vCity	char	35	No			x	
@I_vState	char	29	No			x	
@I_vZip	char	11	No			x	
@I_vPhone1	char	21	No	Yes	Defaults to zero.Is right padded to fill with zerosNot formatted (i.e. 262-821-4100 Ext: 3619 would be 26282141003619)	x	
@I_vPhone2	char	21	No	Yes	Defaults to zero.Is right padded to fill with zerosNot formatted (i.e. 262-821-4100 Ext: 3619 would be 26282141003619)	x	
@I_vPhone3	char	21	No	Yes	Defaults to zero.Is right padded to fill with zerosNot formatted (i.e. 262-821-4100 Ext: 3619 would be 26282141003619)	x	
@I_vFax	char	21	No		Defaults to zero.Not formatted.	x	
@I_vUserID	char	15	N		If empty or null a truncated SQL Server login is used	x	SV00100

Element Name	Data Type	Length	Required	Default	Description		
@I_vTechnicianID	char	15	N		Technician ID in SV_Lookup_Technician_MSTR	x	SV00100SV00115.Tech hnician (this table maps a technician to either:UPR00100.EMP LOYID orPM00200.VENDORI D)
@I_vTechnicianTeam	char	15	N		Typically empty.	x	SV00100
@I_vCorporateCustomerNumber	char	15	No		Only available if 'Use Corporate Customer ID' option is marked in Service Setup - Service Options.Converted to upper case.	x	RM00101.CUSTNMBR where sv00196_Service_Opti on_Box_4=1 and Record=1
@I_vPORequired	tinyint	3	N		Bool. Defaults to zero.	x	SV00100
@I_vContactPerson	char	61	No			x	
@I_vContactName	char	15	N			x	SV00100
@I_vContactPerson2	char	15	No		Only available if the option 'Show Location Contact Fields' is marked in Service Setup.Don't validate ?	x	SV00200
@I_vSalespersonID	char	15	N		Existing SalespersonID in RM00301	x	RM00301.SLSPRSNID

Element Name	Data Type	Length	Required	Default	Description		
@I_vLaborRateGroup	char	15	Yes		Existing Labor Rate Group in SV000122 or SV000123 (if "Use Overhead Amounts From Job Cost" Service_Option_Box_35 is marked in sv00196 SV_Setup2_MSTR). Convert to uppercase Not required on update	x	SV00200if sv00196.Record = 1 and sv00196.Service_Option_Box_35 = 0 then check SV000122.Labor_Group_Nameif sv00196.Record = 1 and sv00196.Service_Option_Box_35 = 1 then check SV000123.Labor_Group_Name
@I_vPriceMatrix	char	15	Yes		Existing PriceMatrix in SV00143 Convert to uppercase Not required on update	x	SV00200SV00143.Pricing_Matrix_Name
@I_vCustomerType	char	31	N			x	SV00100
@I_vCustomerSource	char	31	N			x	SV00100
@I_vBlanketPOCheckbox	tinyint	3	N		Bool. Defaults to zero.	x	SV00100
@I_vBlanketPONumber	char	17	N		Not validated.	x	SV00100
@I_vOriginalBlanketPOAmount	numeric	19,5	N		>= 0. Not available on updates. Typically zero.	x	SV00100
@I_vBlanketPOAmountSpent	numeric	19,5	N		>= 0. Not available on updates. Typically zero.	x	SV00100

Element Name	Data Type	Length	Required	Default	Description		
@I_vBlanketPOAmountRemainin	numeric	19,5	N		> = 0. Not available on updates. Typically zero.	x	SV00100
@I_vBlanketPOExpirationDate	datetime		N		valid dex date	x	SV00100
@I_vUserDefine1a	char	31	N			x	SV00100
@I_vUserDefine2a	char	31	N			x	SV00100
@I_vUserDefine3a	char	31	N			x	SV00100
@I_vUserDefine4a	char	31	N			x	SV00100
@I_vUserDefine5a	char	31	N			x	SV00100
@I_vUserDefine6a	char	31	N			x	SV00100
@I_vServiceUserDefine1	char	21	N			x	SV00100
@I_vServiceUserDefine2	char	21	N			x	SV00100
@I_vServiceUserDefine3	char	31	N			x	SV00100

Element Name	Data Type	Length	Required	Default	Description		
@I_vServiceUserDefine4	char	31	N			x	SV00100
@I_vServiceUserDefine5	int	10	N			x	SV00100
@I_vServiceUserDefine6	int	10	N			x	SV00100
@I_vServiceUserDefine7	int	10	N			x	SV00100
@I_vServiceUserDefine8	int	10	N			x	SV00100
@I_vServiceUserDefine9	datetime		N		valid dex date	x	SV00100
@I_vServiceUserDefine10	datetime		N		valid dex date	x	SV00100
@I_vServiceUserDefine11	datetime		N		valid dex date	x	SV00100
@I_vServiceUserDefine12	datetime		N		valid dex date	x	SV00100
@I_vServiceUserDefine18	tinyint	3	N		bool	x	SV00100
@I_vServiceUserDefine19	tinyint	3	N		bool	x	SV00100
@I_vServiceUserDefine20	tinyint	3	N		bool	x	SV00100

Element Name	Data Type	Length	Required	Default	Description		
@I_vServiceUserDefine21	tinyint	3	N		bool	x	SV00100
@I_vServiceUserDefine22	numeric	19,5	N			x	SV00100
@I_vServiceUserDefine23	numeric	19,5	N			x	SV00100
@I_vServiceUserDefine24	numeric	19,5	N			x	SV00100
@I_vServiceUserDefine25	numeric	19,5	N			x	SV00100
@I_vTimeZone	char	3	No		Defaults to zeroOnly available if 'Enable Time Zone Views' is marked in Service Setup - Service Options.NOT USED-Don't Validate	x	SV00100sv000196.Service_Option_Box_49
@I_vTimeZoneTag	char	5	N		Existing time zone tag in SV00045	x	SV00100SV00045.Time_Zone_Tag
@I_vSVLanguageID	smallint	5	N		Defaults to zero.	x	SV00100
@I_vSupervisorsID	char	15	N		Existing EmpID??? Payroll Supervisor Master is UPR41700.	x	SV00100UPR41700.SUPERVISORCODE_I
@I_vHoldTransactionID	int	10	N			x	SV00100

Element Name	Data Type	Length	Required	Default	Description		
@I_vWSReservedCB1	tinyint	3	N		Bool. Defaults to zero.	x	SV00100
@I_vWSReservedCB2	tinyint	3	N		Bool. Defaults to zero.	x	SV00100
@I_vWSReservedCB3	tinyint	3	N		Bool. Defaults to zero.	x	SV00100
@I_vWSReservedCB4	tinyint	3	N		Bool. Defaults to zero.	x	SV00100
@I_vWSReservedCB5	tinyint	3	N		Bool. Defaults to zero.	x	SV00100
@I_vWSReservedCB6	tinyint	3	N		Bool. Defaults to zero.	x	SV00100
@I_vWSReservedCB7	tinyint	3	N		Bool. Defaults to zero.	x	SV00100
@I_vWSReservedCB8	tinyint	3	N		Bool. Defaults to zero.	x	SV00100
@I_vWSReservedCB9	tinyint	3	N		Bool. Defaults to zero.	x	SV00100
@I_vWSReservedCB10	tinyint	3	N		Bool. Defaults to zero.	x	SV00100
@I_vWSReservedSTR1	char	11	N			x	SV00100
@I_vWSReservedSTR2	char	11	N			x	SV00100



Element Name	Data Type	Length	Required	Default	Description		
@I_vUpdateIfExists tinyint = 0,	tinyint	3	No	Yes	Defaults to true.	x	
@I_vWennSoftTablesOnly tinyint = 0,	tinyint	3	No	Yes	Defaults to false.	x	
@I_vOnlyValidate tinyint = 0,	tinyint	3	No	Yes	Defaults to false	x	
@I_vUSRDEFN D1 char(50)=",	char	50	No			x	
@I_vUSRDEFN D2 char(50)=",	char	50	No			x	
@I_vUSRDEFN D3 char(50)=",	char	50	No			x	
@I_vUSRDEFN D4 varchar(8000)=",	varchar	8000	No			x	
@I_vUSRDEFN D5 varchar(8000)=",	varchar	8000	No			x	
@I_vReturnErrorText tinyint = 0,	tinyint	3	No	Yes	Defaults to false	x	
@O_iErrorMessage int=0 OUTPUT,	int	10	Yes			x	

Element Name	Data Type	Length	Required	Default	Description		
@oErrString varchar(255) = " OUTPUT	varchar	255	Yes			x	
Other fields set automatically							
WennsoftAffiliate	char	15	N			calc	SV00100
WennsoftRegion	char	15	N			calc	SV00100
Other fields not included but listed for reference							
CustomerClasses	char	15	No				
ParentCustomerID	?	?	No		Existing Customer ID in RM00101		
StatementName	char	65	No		If empty default with Name		
ShortName	char	15	No		If null then the Customer Name is used.		
UPSZone	char	3	No				

Element Name	Data Type	Length	Required	Default	Description		
ShippingMethod	char	15	No		Existing Shipping Method in xxx		
TaxScheduleID	char	15	No		Existing Tax Schedule ID in xxx		
PrimaryBilltoAddressCode	char	15	No		Existing Address Code in RM00102		
PrimaryShiptoAddressCode	char	15	No		Existing Address Code in RM00102		
StatementAddressCode	char	15	No		Existing Address Code in RM00102		
CheckbookID	char	15	No		Existing Checkbook ID in xxx		
PaymentTermSID	char	21	No		Existing Payment Terms in xxx		
CreditLimitType	smallint	5	No		Existing CreditLimitType		
CreditLimitAmount	numeric	19,5	No		Positive amt., dependent on type		
CreditLimitPeriod	smallint	5	No		valid period		
CreditLimitPeriodAmount	numeric	19,5	No		Positive amt.		
CurrencyID	char	15	No		set to func currID	calc	

Element Name	Data Type	Length	Required	Default	Description		
RateTypeID	char	15	No		set to empty (none)	calc	
ServiceArea	?	?	No		Existing Service Area in xxx	SV00220.Service_Area	
PrimaryTech	?	?	No		Existing TechnicianID in SV00115	SV00115.Technician	
SecondaryTech	?	?	No		Existing TechnicianID in SV00115	SV00115.Technician	
CustomerDiscount	smallint	5	No		Min 0, max 10000 (where 10000 is 100.00%)		
PriceLevel	char	11	No		Existing Price Level in xxx		
MinimumPaymentType	smallint	5	No		Existing MinimumPaymentType		
MinimumPaymentDollar	numeric	19,5	No		Positive amt. , dependent on type		
MinimumPaymentPercent	smallint	5	No		Min 0, max 10000 (where 10000 is 100.00%)		
FinanceChargeAmtType	smallint	5	No		Valid Type		
FinanceChargePercent	smallint	5	No		Min 0, max 10000 (where 10000 is 100.00%)		

Element Name	Data Type	Length	Required	Default	Description		
FinanceChargeDollar	numeric	19,5	No		Positive amt., dependent on type		
MaximumWriteoffType	smallint	5	No		Valid Type		
MaxWriteoffAmount	numeric	19,5	No		Positive amt., dependent on type		
Division	?	?	No		Existing service Division in xxx		
ServiceCallPriority	char	1	No				
Comment1	char	31	No				
Comment2	char	31	No				
UserDefined1	char	21	No				
UserDefined2	char	21	No				
TaxExempt1	char	25	No				
TaxExempt2	char	25	No				
TaxRegistrationNumber	char	25	No				
BalanceType	smallint	5	No		Valid Type		

Element Name	Data Type	Length	Required	Default	Description		
StatementCycle	smallint	5	No		Valid Statement Cycle		
BankName	char	31	No				
BankBranch	char	21	No				
SalesTerritory	char	15	No		Existing TerritoryID in xxx		
DefaultCashAccountType	smallint	5	No		Valid account type		
RMCashAccountIndex	int	10	No		Existing posting account index		
RMARAccountIndex	int	10	No		Existing posting account index		
RMSalesAccountIndex	int	10	No		Existing posting account index		
RMIVAccountIndex	int	10	No		Existing posting account index		
RMCostOfSalesAccountIndex	int	10	No		Existing posting account index		
RMDiscountsTakenAccountIndex	int	10	No		Existing posting account index		
RMDiscountsAvailableAccountIndex	int	10	No		Existing posting account index		

Element Name	Data Type	Length	Required	Default	Description		
RMFinanceChargeAccountIndex	int	10	No		Existing posting account index		
RMWriteoffAccountIndex	int	10	No		Existing posting account index		
RMSalesOrderReturnsAccountIndex	int	10	No		Existing posting account index		
FirstInvoiceDate	datetime		No		Valid dex date, ignore time		
Inactive	tinyint	3	No		bool		
Hold	tinyint	3	No		bool		
CreditCardID	char	15	No		Existing CCID from xxx		
CreditCardNumber	char	21	No				
CreditCardExpDate	datetime		No		Valid dex date, ignore time		
KeepDistributionHistory	tinyint	3	No		bool		
KeepCalendarHistory	tinyint	3	No		bool		
KeepPeriodHistory	tinyint	3	No		bool		

Element Name	Data Type	Length	Required	Default	Description		
KeepTrxHistory	tinyint	3	No		bool		
NoteIndex	numeric	19,5	No		Unvalidated		
CreatedDate	datetime		No		Valid dex date, if empty current date will be used		
RevalueCustomer	tinyint	3	No		bool		
PostResultsTo	smallint	5	No		valid option		
FinanceChargeID	char	15	No				
GovernmentalCorporateID	char	31	No				
GovernmentalIndividualID	char	31	No				
DiscountGracePeriod	smallint	5	No		Defaults to zero.		
DueDateGracePeriod	smallint	5	No		Defaults to zero.		
DocumentFormatID	char	15	No				
SendEmailStatements	tinyint	3	No		bool		



Element Name	Data Type	Length	Required	Default	Description		
UserLanguageID	smallint	5	No		set to (none)		
GPSFOIntegrationID	char	31	No				
IntegrationSource	smallint	5	No				
IntegrationID	char	31	No				
OrderFulfillmentShortageDefault	smallint	5	No				
CustomerPriority	smallint	5	No		Defaults to 1 (None)		
CountryCode	char	7	No		Existing Country Code in xxx		
DeclarantID	char	15	No				
RMOverpaymentWriteoffAccountIndex	int	10	No				
ShipCompleteDocument	tinyint	3	No		Defaults to zero (no).		
CashBasedVAT	tinyint	3	No				
IncludeinDemandPlanning	tinyint	3	No				

Element Name	Data Type	Length	Required	Default	Description
ServiceLevelID	int	10	No		Existing Service Level ID in xxx

## wsiJCBillingCodesMSTR

- [Table Name: JC00601 \(page 36\)](#)
- [Validations \(page 42\)](#)
- [Error Codes \(page 42\)](#)

### Table Name: JC00601

**Description:**

Describe what the WSI procedure does in regards to a business goal.

Element Name	Data Type	Length	Required	Default	Description
@I_vWSJobNumber	char	17	Yes		
@I_vCostElement	smallint	5	Yes		Required
@I_vBillCodeNumber	char	27	Yes		Required
@I_vBillCodeDescription	char	31	No		Required
@I_vBillPct	smallint	5	No		
@I_vBillAmount	numeric	19,5	No		
@I_vBilledAmountTTD	numeric	19,5	No		
@I_vTotalBillableAmount	numeric	19,5	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vOriginatingTotalBillableAmount	numeric	19,5	No		
@I_vOriginatingBillAmount	numeric	19,5	No		
@I_vOriginatingBilledAmountTTD	numeric	19,5	No		
@I_vRetentionBilledTTD	numeric	19,5	No		
@I_vOriginatingRetentionBilledTTD	numeric	19,5	No		
@I_vOriginatingRetentionAmountTTD	numeric	19,5	No		
@I_vAddedByCOModule	tinyint	3	No		
@I_vChangeOrderNum	char	15	No		
@I_vUnitsBillable	numeric	19,5	No		
@I_vUnitsBilledTTD	numeric	19,5	No		
@I_vUnitsBillingRate	numeric	19,5	No		
@I_vRetentionAmountTTD	numeric	19,5	No		
@I_vAccountIndex	int	10	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vProfitTypeNumber	smallint	5	No		
@I_vProfitAmount	numeric	19,5	No		
@I_vWorkInPlace	numeric	19,5	No		
@I_vStoredToDate	numeric	19,5	No		
@I_vBillCodeAlias	char	31	No		
@I_vUserID	char	15	No		
@I_vUserDefine1	char	31	No		
@I_vUserDefine2	char	31	No		
@I_vUserDefined1	char	21	No		
@I_vUserDefined2	char	21	No		
@I_vUserDefinedDollar1	numeric	19,5	No		
@I_vUserDefinedDollar2	numeric	19,5	No		
@I_vUserDefinedDollar3	numeric	19,5	No		
@I_vUserDefinedDollar4	numeric	19,5	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefinedInteger1	int	10	No		
@I_vUserDefinedInteger2	int	10	No		
@I_vUserDefinedInteger3	int	10	No		
@I_vUserDefinedInteger4	int	10	No		
@I_vUserDefinedDate1	datetime		No		
@I_vUserDefinedDate2	datetime		No		
@I_vWSUserDefinedDate3	datetime		No		
@I_vWSUserDefinedDate4	datetime		No		
@I_vUserDefinedCB1	tinyint	3	No		
@I_vUserDefinedCB2	tinyint	3	No		
@I_vUserDefinedCB3	tinyint	3	No		
@I_vUserDefinedCB4	tinyint	3	No		
@I_vSVLanguageID	smallint	5	No		
@I_vTimeZone	char	3	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vWennsoftAffiliate	char	15	No		
@I_vWennsoftBranch	char	15	No		
@I_vWennsoftRegion	char	15	No		
@I_vWSReservedCB1	tinyint	3	No		
@I_vWSReservedCB2	tinyint	3	No		
@I_vWSReservedCB3	tinyint	3	No		
@I_vWSReservedCB4	tinyint	3	No		
@I_vWSReservedCB5	tinyint	3	No		
@I_vWSReservedCB6	tinyint	3	No		
@I_vWSReservedCB7	tinyint	3	No		
@I_vWSReservedCB8	tinyint	3	No		
@I_vWSReservedCB9	tinyint	3	No		
@I_vWSReservedCB10	tinyint	3	No		
@I_vWSReservedSTR1	char	11	No		
@I_vWSReservedSTR2	char	11	No		
@I_vAllocatedPercent	numeric	19,5	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vRevenueAllocated	numeric	19,5	No		
@I_vPercentComplete	numeric	19,5	No		
@I_vEstHrtoComplete	numeric	19,5	No		
@I_vEstimateDate	datetime		No		
@I_vWSInactive	tinyint	3	No		
@I_vReimbursable	tinyint	3	No		
@I_vWSProjectNumber	char	17	Yes		
@I_vDEXROWID	int	10	No		
@I_vUpdateIfExists	tinyint	3	Yes	0	If Value is 1 then you can update record if it exists.
@I_vWennSoftTablesOnly	tinyint	3	Yes	0	
@I_vOnlyValidate	tinyint	3	Yes	0	If value is 1 then you can validate without update
@I_vUSRDEFND1	char	50	No		
@I_vUSRDEFND2	char	50	No		
@I_vUSRDEFND3	char	50	No		
@I_vUSRDEFND4	varchar	8000	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vUSRDEFND5	varchar	8000	No		
@I_vReturnErrorText	tinyint	3	No	1	If value is 0 then if multiple errors exist, you will get the list of error codes.
@O_iErrorState	int	10	No	0	
@oErrString	varchar	255	No		

## Validations

WSJobNumber is required for a Job level Billing Code and not required for a Project Level Billing Code. Cost element of the Job must exist in JC40209. If Billing type of the Job is Standard, SOP, TRX Level or Project Billing, then Bill codes cannot be created for this Billing type. For Fixed type of contract, if the bill codes total billable is greater than the contract expected amount. if the status of "Use a sales account for each bill code" is set to 1; then the account number cannot be blank, except Project Bill Code type the bill code cannot be saved.

## Error Codes

Error Code	Description
51005	Bill Codes cannot be created for this billing type.
51006	The Total Billable amount cannot be greater than the Contract Expected Amount.
51050	An error occurred during an update or insert into a Signature table.
51202	The job is blank.
51203	The cost element is blank.
51204	The cost element does not exist in the cost element setup table.
51206	The account index does not exist in the account setup table.



Error Code	Description
51400	The bill code number is blank.
51401	Cannot insert the bill code because the job is inactive.
52100	The description field is blank.
52300	Bill Code Alias must be blank.
52305	Account Index must be empty.

## wsjCCashReceipts

- [Table Name: JC20502 \(page 43\)](#)
- [Error Codes \(page 47\)](#)

### Table Name: JC20502

Element Name	Data Type	Length	Required	Default	Description
@I_vApplyToAmount	numeric	19,5			
@I_vApplyToDocument Number	char	21			
@I_vAPTODCTY	smallint				
@I_vCheckNumber	char	21			
@I_vDiscountTakenAmount	numeric	19,5			
@I_vDocumentNumber	char	21			
@I_vOnlyValidate	tinyint				

Element Name	Data Type	Length	Required	Default	Description
@I_vOriginalTrxAmount	numeric	19,5			
@I_vReturnErrorText	tinyint				
@I_vRMDocumentTypeAll	smallint				
@I_vSVLanguageID	smallint				
@I_vTimeZone	char	3			
@I_vTRXDate	datetime				
@I_vTRXSource	char	13			
@I_vUpdateIfExists	tinyint				
@I_vUserDefine1	char	31			
@I_vUserDefine2	char	31			
@I_vUserDefined1	char	21			
@I_vUserDefined2	char	21			
@I_vUserDefinedCB1	tinyint				
@I_vUserDefinedCB2	tinyint				
@I_vUserDefinedCB3	tinyint				
@I_vUserDefinedCB4	tinyint				

Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefinedDate1	datetime				
@I_vUserDefinedDate2	datetime				
@I_vUserDefinedDollar1	numeric	19,5			
@I_vUserDefinedDollar2	numeric	19,5			
@I_vUserDefinedDollar3	numeric	19,5			
@I_vUserDefinedDollar4	numeric	19,5			
@I_vUserDefinedInteger 1	int				
@I_vUserDefinedInteger 2	int				
@I_vUserDefinedInteger 3	int				
@I_vUserDefinedInteger 4	int				
@I_vUserID	char	15			
@I_vUSRDEFND1	char	50			
@I_vUSRDEFND2	char	50			
@I_vUSRDEFND3	char	50			
@I_vUSRDEFND4	varchar	8000			

Element Name	Data Type	Length	Required	Default	Description
@I_vUSRDEFND5	varchar	8000			
@I_vWennsoftAffiliate	char	15			
@I_vWennsoftBranch	char	15			
@I_vWennsoftRegion	char	15			
@I_vWennSoftTablesOnly	tinyint				
@I_vWriteOffAmount	numeric	19,5			
@I_vWSJobNumber	char	17			
@I_vWSReservedCB1	tinyint				
@I_vWSReservedCB2	tinyint				
@I_vWSReservedCB3	tinyint				
@I_vWSReservedCB4	tinyint				
@I_vWSReservedCB5	tinyint				
@I_vWSReservedSTR1	char	11			
@I_vWSReservedSTR2	char	11			
@I_vWSUserDefinedDate3	datetime				

Element Name	Data Type	Length	Required	Default	Description
@I_vWSUserDefinedDate4	datetime				
@O_iErrorState	int				
@oErrString	varchar	255			

## Error Codes

Error Code	Description
51013	The Job Number parameter is missing or blank.
52404	The Document Number parameter is missing or blank.
52405	The Apply To Document Number parameter is missing or blank.
52478	The Apply To Document Type parameter is missing or blank.

## wsjCChangeOrdersDetailMSTR

- [Table Name: JC01002 \(page 47\)](#)
- [Error Codes \(page 55\)](#)

### Table Name: JC01002

**Other tables affected:** <none>

**Other stored procedures called:** wsiCChangeOrdersDetailMSTRPre, wsiCChangeOrdersDetailMSTRPost, wsiCJobDetailMSTRPre, wsiCJobDetailMSTRPost

**Description:**

This procedure allows the insert or update of records into the Job Cost Change Orders Detail Master table.

Element Name	Data Type	Length	Required	Default	Description
@I_vShortDescription	char	30	No		If the Change Order Cost Code Estimate is the original one, the default description will be 'original estimate'. You do not need to provide it as it should default to that description.
@I_vWSJobNumber	char	17	Yes		I_vWSJobNumber must be an existing/active job.
@I_vWSProjectNumber	char	17	No	'	I_vWSProjectNumber must be an existing/active project and the project must be assigned to the job. If I_vWSProjectNumber is updated with the project assigned to the job if the passed in value is empty.
@I_vChangeOrderNum	char	15	Yes		I_vChangeOrderNum must contain a value and must also be an existing change order assigned to the job.
@I_vWSCostCodeNumber1	char	7	Yes		I_vWSCostCodeNumber1 length is equal to the value in JC40103.Cost_Code_Seg_Length_1
@I_vWSCostCodeNumber2	char	7	Yes		I_vWSCostCodeNumber2 length is equal to the value in JC40103.Cost_Code_Seg_Length_2
@I_vWSCostCodeNumber3	char	7	Yes		I_vWSCostCodeNumber3 length is equal to the value in JC40103.Cost_Code_Seg_Length_3
@I_vWSCostCodeNumber4	char	7	Yes		I_vWSCostCodeNumber4 length is equal to the value in JC40103.Cost_Code_Seg_Length_4
@I_vCostCodeNumberAlias	char	35	No	'	An empty cost code alias value must be passed in. The alias will be constructed from the passed in cost code numbers and element.

Element Name	Data Type	Length	Required	Default	Description
@I_vCostCodeDescription	char	31	Yes	'	I_vCostCodeDescription cannot be empty.
@I_vCostElement	smallint	5	Yes		I_vCostElement exists in JC40209
@I_vAccountIndex	int	10	No	0	The account index should be a valid account index stored in table GL00100. The account should be active and cannot be a unit (GL00100.ACCTTYPE = 2) account. When using option "Cost Code Debit Posting Accounts: Division" (JC40305.GB_CC_Acct_Setup = 1) pass in 0 or NULL. The account index will default in based on the account index stored in JC40302 for the division assigned to the job and the I_vCostElement passed into the stored procedure. If you do pass in a value, make sure to pass in the account index assigned in JC40302. It may be easier to just pass in NULL, since the default value will be correct. When using option "Cost Code Debit Posting Accounts: Cost Codes" (JC40305.GB_CC_Acct_Setup = 1) pass in a NULL or 0 index to default in the account index from Job Cost Code Master Setup (JC40202). If the cost code does not exist in JC40202, then you'll have to pass in a valid account index.
@I_vWSManagerID	char	15	No	'	I_vWSManagerID exists in UPR00100
@I_vTransactionDocNumber	numeric	19,5	No	0	
@I_vTypeofTransaction	smallint	5	Yes	0	The type of transaction is 1, 2, 3, or 4

Element Name	Data Type	Length	Required	Default	Description
@I_vProfitTypeNumber	smallint	5	Yes	0	A) I_vProfitTypeNumber exists in JC40208 B) I_vProfitTypeNumber must be 2 if the job is a "Fixed Amount" contract and I_vAddedByCOModule is 0 C) I_vProfitTypeNumber may be the values 1 thru 9 if I_vAddedByCOModule is 1 D) if I_vProfitTypeNumber is 9, then I_vCostElement must be 1
@I_vProfitAmount	numeric	19,5	No	0	A) If I_vProfitTypeNumber = 3, then I_vProfitAmount cannot equal 100 B) If I_vProfitTypeNumber = 1 or I_vProfitTypeNumber = 2, then I_vProfitAmount must be zero
@I_vProductionEstimateQty	numeric	19,5	No	0	
@I_vProductionQtyUnit	numeric	19,5	No	0	
@I_vProductionMeasureCode	char	7	No	'	I_vProductionMeasureCode exists in JC40102
@I_vEstimatedMeasureCode	char	7	No	'	I_vEstimatedMeasureCode exists in JC40102
@I_vChangeOrderEstimatedUnits	numeric	19,5	No	0	
@I_vCOEstimatedAmtUnits	numeric	19,5	No	0	
@I_vChangeOrderEstimatedCost	numeric	19,5	No	0	
@I_vAddedByCOModule	tinyint	3	No	0	I_vAddedByCOModule is 0 or 1



Element Name	Data Type	Length	Required	Default	Description
@I_vPostingStatus	smallint	5	No	0	
@I_vScheduleStartDate	datetime		No	01/01/1900'	
@I_vScheduledCompletionDate	datetime		No	01/01/1900'	
@I_vVendorNumber	char	25	No	'	I_vVendorNumber exists in PM00200
@I_vInventoryItemNumber	char	21	No	'	
@I_vPurchaseOrderNumber	char	21	No	'	
@I_vTrackProductionQty	tinyint	3	No	0	I_vTrackProductionQty is 0 or 1
@I_vUserID	char	15	No	'	
@I_vUserDefine1	char	31	No	'	
@I_vUserDefine2	char	31	No	'	
@I_vUserDefined1	char	21	No	'	
@I_vUserDefined2	char	21	No	'	
@I_vUserDefinedInteger1	int	10	No	0	

Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefinedInteger2	int	10	No	0	
@I_vUserDefinedInteger3	int	10	No	0	
@I_vUserDefinedInteger4	int	10	No	0	
@I_vUserDefinedDollar1	numeric	19,5	No	0	
@I_vUserDefinedDollar2	numeric	19,5	No	0	
@I_vUserDefinedDollar3	numeric	19,5	No	0	
@I_vUserDefinedDollar4	numeric	19,5	No	0	
@I_vUserDefinedDate1	datetime		No	01/01/1900'	
@I_vUserDefinedDate2	datetime		No	01/01/1900'	
@I_vWSUserDefinedDate3	datetime		No	01/01/1900'	
@I_vWSUserDefinedDate4	datetime		No	01/01/1900'	
@I_vUserDefinedCB1	tinyint	3	No	0	

Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefined CB2	tinyint	3	No	0	
@I_vUserDefined CB3	tinyint	3	No	0	
@I_vUserDefined CB4	tinyint	3	No	0	
@I_vWennsoftAffi liate	char	15	No	'	
@I_vWennsoftBra nch	char	15	No	'	
@I_vWennsoftReg ion	char	15	No	'	
@I_vSVLanguageL D	smallint	5	No	0	
@I_vTimeZone	char	3	No	'	
@I_vLaborGroup Name	char	15	No	'	I_vLaborGroupName exists in SV00123
@I_vWSReserved CB1	tinyint	3	No	0	
@I_vWSReserved CB2	tinyint	3	No	0	
@I_vWSReserved CB3	tinyint	3	No	0	

Element Name	Data Type	Length	Required	Default	Description
@I_vWSReserved CB4	tinyint	3	No	0	
@I_vWSReserved CB5	tinyint	3	No	0	
@I_vWSReserved CB6	tinyint	3	No	0	
@I_vWSReserved CB7	tinyint	3	No	0	
@I_vWSReserved CB8	tinyint	3	No	0	
@I_vWSReserved CB9	tinyint	3	No	0	
@I_vWSReserved CB10	tinyint	3	No	0	
@I_vWSReserved STR1	char	11	No	'	
@I_vWSReserved STR2	char	11	No	'	
@I_vDEXROWID	int	10	No	0	
@I_vUpdateIfExis ts	tinyint	3	Yes	0	
@I_vWennSoftTa blesOnly	tinyint	3	Yes	0	
@I_vOnlyValidate	tinyint	3	Yes	0	

Element Name	Data Type	Length	Required	Default	Description
@I_vUSRDEFND1	char	50	No	'	
@I_vUSRDEFND2	char	50	No	'	
@I_vUSRDEFND3	char	50	No	'	
@I_vUSRDEFND4	varchar	8000	No	'	
@I_vUSRDEFND5	varchar	8000	No	'	
@I_vReturnErrorText	tinyint	3	No	1	
@O_iErrorState	int	10	No	0	
@oErrString	varchar	255	No	'	

## Error Codes

Error Code	Description
51017	The Job does not exist in Signature.
51094	Job is inactive.
51090	The Project Number does not exist.
51234	Project Number must be for an Active project.
52279	The project number is not assigned to the job.
52265	The change order number must contain a value.

Error Code	Description
52117	The Change Order does not exist for this job.
52243	The length of the first Job Cost Code Segment is incorrect.
52244	The length of the second Job Cost Code Segment is incorrect.
52245	The length of the third Job Cost Code Segment is incorrect.
52246	The length of the fourth Job Cost Code Segment is incorrect.
51089	The Cost Element must be in the range of 1 to 9.
52293	Cost Code Alias must be empty.
52299	'The Cost Code Description cannot be blank for a Change Order Cost Code.
51164	Account Index does not exist.
52292	Cost Code Debit Posting Accounts by Division requires the use of the Account Index setup in JC40302 for the Division assigned to the Job and the Cost Element assigned to the Cost Code.
51165	Account number is inactive.
52264	Unit accounts cannot be used with job cost codes.
51118	The project manager does not exist in the payroll master table.
52248	The Job Cost Code Added By Change Order flag must be set to 0 or 1.
51205	The profit type number does not exist in the profit type setup table.

Error Code	Description
52249	The Profit Type Number for Job Cost Codes not added by Change Orders must be 2 for Jobs with Fixed Amount Contract Types.
52250	The Cost Element must be 1 for Profit Type Number 9 Service Labor Rate Group.
52251	The Profit Amount cannot be 100 for a Job Cost Code with Profit Type Number 3 Percent Margin.
52252	The Profit Amount must be zero for Job Cost Codes with Profit Type Number 1 Non-billable.
52253	The Profit Amount must be zero for Job Cost Codes with Profit Type Number 2 None.
52254	The Type of Transaction value for a Job Cost Code must be 1, 2, 3, or 4.
52255	The Track Production Quantity flag for a Job Cost Code must be set to 0 or 1.
52256	The Production Measure Code does not exist.
52257	The Estimated Measure Code does not exist.
52260	The Labor Group Name does not exist.
52261	The Vendor ID does not exist.

## wsiJCChangeOrdersMSTR

- [Table Name: JC01001 \(page 58\)](#)
- [Error Codes \(page 65\)](#)

## Table Name: JC01001

**Other tables affected:** <none>

**Other stored procedures called:** wsiJCChangeOrdersMSTRPre, wsiJCChangeOrdersMSTRPost

**Description:**

This procedure allows the insert or update of records into the JC Change Orders Master table.

Element Name	Data Type	Length	Required	Default	Description
@I_vWSJobNumber	char	17	Yes	'	I_vWSJobNumber is an existing job and is an active job
@I_vWSProjectNumber	char	17	No	'	I_vWSProjectNumber is an existing project and is an active project and is assigned to the job
@I_vChangeOrderNum	char	15	Yes	'	I_vChangeOrderNum must contain a value, I_vChangeOrderNum must not exist on a job if I_vUpdateIfExists is 0
@I_vChangeOrderStatus	smallint	5	No	0	I_vChangeOrderStatus must be in the range 1 thru 5
@I_vChangeOrderDescription	char	31	No	'	I_vChangeOrderDescription must contain a value
@I_vChangeOrderType	smallint	5	No	0	I_vChangeOrderType must be a value of 1 (Fixed Amount), 2 (Cost Plus), or 3 (Cost Plus NTE), I_vChangeOrderType must be a value of 1 (Fixed Amount) for jobs with billing type 6 (SOP Billing), If I_vChangeOrderType is 3 (Cost Plus NTE), then the job must have a contract type of 3 (Cost Plus NTE)
@I_vChangeOrderEstimatedCost	numeric	19,5	No	0	I_vChangeOrderEstimatedCost must be zero for I_vChangeOrderType values 2 (Cost Plus) and 3 (Cost Plus NTE)



Element Name	Data Type	Length	Required	Default	Description
@I_vConfirmedModifiedDate	datetime		No	01/01/1900'	
@I_vOriginatingChangeOrderAmount	numeric	19,5	No	0	
@I_vExchangeRate	numeric	19,7	No	0	
@I_vExchangeDate	datetime		No	01/01/1900'	
@I_vRateTypeID	char	15	No	'	
@I_vExchangeTableID	char	15	No	'	
@I_vTime	datetime		No	01/01/1900'	
@I_vConfirmedModifiedTime	datetime		No	01/01/1900'	
@I_vConfirmedModifiedUserID	char	15	No	'	
@I_vInProcessModifiedDate	datetime		No	01/01/1900'	
@I_vInProcessModifiedTime	datetime		No	01/01/1900'	
@I_vInProcessModifiedUserID	char	15	No	'	
@I_vCOUD1ModifiedDate	datetime		No	01/01/1900'	

Element Name	Data Type	Length	Required	Default	Description
@I_vCOUD1ModifiedTime	datetime		No	01/01/1900'	
@I_vCOUD1ModifiedUserID	char	15	No	'	
@I_vCOUD2ModifiedDate	datetime		No	01/01/1900'	
@I_vCOUD2ModifiedTime	datetime		No	01/01/1900'	
@I_vCOUD2ModifiedUserID	char	15	No	'	
@I_vCOUD3ModifiedDate	datetime		No	01/01/1900'	
@I_vCOUD3ModifiedTime	datetime		No	01/01/1900'	
@I_vCOUD3ModifiedUserID	char	15	No	'	
@I_vUserDefinedCO1	char	15	No	'	
@I_vUserDefinedCO2	char	15	No	'	
@I_vUserDefinedCO3	char	15	No	'	
@I_vUserDefinedCO4	char	15	No	'	

Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefinedDate1	datetime		No	01/01/1900'	
@I_vUserDefinedDate2	datetime		No	01/01/1900'	
@I_vWSUserDefinedDate3	datetime		No	01/01/1900'	
@I_vWSUserDefinedDate4	datetime		No	01/01/1900'	
@I_vEstEquipmentCost	numeric	19,5	No	0	
@I_vEstLaborCost	numeric	19,5	No	0	
@I_vEstLaborUnitsTD	numeric	19,5	No	0	
@I_vPayRate	numeric	19,5	No	0	
@I_vEstMaterialCost	numeric	19,5	No	0	
@I_vEstMiscOtherCost	numeric	19,5	No	0	
@I_vEstSubsCost	numeric	19,5	No	0	
@I_vEstCostUserDefined1	numeric	19,5	No	0	
@I_vEstCostUserDefined2	numeric	19,5	No	0	

Element Name	Data Type	Length	Required	Default	Description
@I_vEstCostUserDefined3	numeric	19,5	No	0	
@I_vEstCostUserDefined4	numeric	19,5	No	0	
@I_vTotalEstimated Cost	numeric	19,5	No	0	
@I_vProductionEstimateQty	numeric	19,5	No	0	
@I_vEstimatedMarkup	numeric	19,5	No	0	
@I_vWSMarkupPercent	int	10	No	0	
@I_vPostingStatus	smallint	5	No	0	
@I_vPostingDate	datetime		No	01/01/1900'	
@I_vChangeOrderMaximumAmount	numeric	19,5	No		I_vChangeOrderMaximumAmount must be zero for I_vChangeOrderType values of 1 (Fixed Amount) and 2 (Cost Plus)
@I_vUserID	char	15	No	'	
@I_vUserDefine1	char	31	No	'	
@I_vUserDefine2	char	31	No	'	
@I_vUserDefined1	char	21	No	'	

Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefined2	char	21	No	'	
@I_vUserDefinedInteger1	int	10	No	0	
@I_vUserDefinedInteger2	int	10	No	0	
@I_vUserDefinedInteger3	int	10	No	0	
@I_vUserDefinedInteger4	int	10	No	0	
@I_vUserDefinedDollar1	numeric	19,5	No	0	
@I_vUserDefinedDollar2	numeric	19,5	No	0	
@I_vUserDefinedDollar3	numeric	19,5	No	0	
@I_vUserDefinedDollar4	numeric	19,5	No	0	
@I_vUserDefinedCB1	tinyint	3	No	0	
@I_vUserDefinedCB2	tinyint	3	No	0	
@I_vUserDefinedCB3	tinyint	3	No	0	

Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefinedCB4	tinyint	3	No	0	
@I_vWennsoftAffiliate	char	15	No	'	
@I_vWennsoftBranch	char	15	No	'	
@I_vWennsoftRegion	char	15	No	'	
@I_vSVLanguageID	smallint	5	No	0	
@I_vTimeZone	char	3	No	'	
@I_vWSReservedCB1	tinyint	3	No	0	
@I_vWSReservedCB2	tinyint	3	No	0	
@I_vWSReservedCB3	tinyint	3	No	0	
@I_vWSReservedCB4	tinyint	3	No	0	
@I_vWSReservedCB5	tinyint	3	No	0	
@I_vWSReservedSTR1	char	11	No	'	
@I_vWSReservedSTR2	char	11	No	'	

Element Name	Data Type	Length	Required	Default	Description
@I_vDEXROWID	int	10	No	0	
@I_vUpdateIfExists	tinyint	3	Yes	0	
@I_vWennSoftTablesOnly	tinyint	3	Yes	0	
@I_vOnlyValidate	tinyint	3	Yes	0	
@I_vUSRDEFND1	char	50	No	'	
@I_vUSRDEFND2	char	50	No	'	
@I_vUSRDEFND3	char	50	No	'	
@I_vUSRDEFND4	varchar	8000	No	'	
@I_vUSRDEFND5	varchar	8000	No	'	
@I_vReturnErrorText	tinyint	3	No	1	
@O_iErrorState	int	10	No	0	
@oErrString	varchar	255	No	'	

## Error Codes

Error Code	Description
51017	The Job does not exist in Signature.
51094	Job is inactive.

Error Code	Description
51090	The Project Number does not exist.
51234	Project Number must be for an Active project.
52265	The change order number must contain a value.
52266	The change order number already exists for the job.
52267	The change order status must be a value in the range 1 thru 5.
52268	The change order type must be a value of 1 (Fixed Amount), 2 (Cost Plus), or 3 (Cost Plus NTE).
52269	The change order type must be a value of 1 (Fixed Amount) for jobs with billing type 6 (SOP Billing).
52270	Cost Plus NTE change orders, change order type 3, are only valid for jobs with a contract type of Cost Plus NTE.
52271	Change order posting status must be the value 0 (Unposted) or 2 (Posted).
52272	The change order description must contain a value.
52273	The change order estimated cost must be zero for change order types of 2 (Cost Plus) and 3 (Cost Plus NTE).
51234	The project number is not assigned to the job.
52274	The maximum change order amount must be zero for change order types 1 (Fixed Amount) and 2 (Cost Plus).

## wsjJCForecastCostRevisionMSTR

- [Table Name: JC00201 \(page 67\)](#)



- [Error Codes \(page 72\)](#)

## Table Name: JC00201

**Other tables affected:** Table JC40401 (Transaction\_Doc\_Number is updated for primary key Document\_Number\_Type "3")

**Other stored procedures called:** wsiJCForecastCostRevisionMSTRPre, wsiJCForecastCostRevisionMSTRPost

**Description:**

This procedure allows the insert or update of records into the Job Cost Forecast Cost Revision Master table.

Element Name	Data Type	Length	Required	Default	Description
@I_vWSJobNumber	char	17	Yes		I_vWSJobNumber must be an existing/active job.
@I_vProjectNumber	char	17	No	'	I_vProjectNumber, if left blank or NULL, will default in from the Job. Otherwise I_vProjectNumber must match the project number assigned to Job. The project must be active.
@I_vCUSTNMBR	char	15	No	'	I_vCUSTNMBR must be blank.
@I_vTransactionDocNumber	numeric	19,5	Yes		For new records pass in NULL as this field will be set by the main stored procedure wsiJCForecastCostRevisionMSTR. Pass in the "Transaction Document Number" when doing an update on an existing record.
@I_vCostElement	smallint	5	Yes		The combination of Cost Element and Cost Code Numbers 1, 2, 3, and 4 must exist for the Job in table JC00701.
@I_vCostCodeNumber1	char	7	Yes		The combination of Cost Element and Cost Code Numbers 1, 2, 3, and 4 must exist for the Job in table JC00701.

Element Name	Data Type	Length	Required	Default	Description
@I_vCostCodeNumber2	char	7	Yes		The combination of Cost Element and Cost Code Numbers 1, 2, 3, and 4 must exist for the Job in table JC00701.
@I_vCostCodeNumber3	char	7	Yes		The combination of Cost Element and Cost Code Numbers 1, 2, 3, and 4 must exist for the Job in table JC00701.
@I_vCostCodeNumber4	char	7	Yes		The combination of Cost Element and Cost Code Numbers 1, 2, 3, and 4 must exist for the Job in table JC00701.
@I_vTransactionDate	datetime		Yes		The transaction date cannot be NULL. Year cannot be 1900, historical, or closed. The transaction date must fall within an open period in JC40602.
@I_vCostCodeEstUnit	numeric	19,5	No	0	
@I_vEstimatedAmtUnits	numeric	19,5	No	0	
@I_vTransactionAmount	numeric	19,5	No	0	
@I_vWSManagerID	char	15	No	'	
@I_vUSERID	char	15	No	'	
@I_vShortDescription	char	31	Yes		I_vShortDescription must not be empty.
@I_vUserDefine1	char	31	No	'	

Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefine2	char	31	No	'	
@I_vUSERDEF1	char	21	No	'	
@I_vUSERDEF2	char	21	No	'	
@I_vUserDefInteger1	int	10	No	0	
@I_vUserDefInteger2	int	10	No	0	
@I_vUserDefinedInteger3	int	10	No	0	
@I_vUserDefinedInteger4	int	10	No	0	
@I_vUserDefinedDollar1	numeric	19,5	No	0	
@I_vUserDefinedDollar2	numeric	19,5	No	0	
@I_vUserDefinedDollar3	numeric	19,5	No	0	
@I_vUserDefinedDollar4	numeric	19,5	No	0	
@I_vUSRDAT01	datetime		No	01/01/1900'	
@I_vUSRDAT02	datetime		No	01/01/1900'	

Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefinedDate3	datetime		No	01/01/1900'	
@I_vUserDefinedDate4	datetime		No	01/01/1900'	
@I_vUserDefinedCB1	tinyint	3	No	0	
@I_vUserDefinedCB2	tinyint	3	No	0	
@I_vUserDefinedCB3	tinyint	3	No	0	
@I_vUserDefinedCB4	tinyint	3	No	0	
@I_vWensoftAffiliate	char	15	No	'	
@I_vWensoftBranch	char	15	No	'	
@I_vWensoftRegion	char	15	No	'	
@I_vSVLanguageID	smallint	5	No	0	
@I_vTimeZone	char	3	No	'	
@I_vWSReservedCB1	tinyint	3	No	0	
@I_vWSReservedCB2	tinyint	3	No	0	

Element Name	Data Type	Length	Required	Default	Description
@I_vWSReservedC B3	tinyint	3	No	0	
@I_vWSReservedC B4	tinyint	3	No	0	
@I_vWSReservedC B5	tinyint	3	No	0	
@I_vWSReservedC B6	tinyint	3	No	0	
@I_vWSReservedC B7	tinyint	3	No	0	
@I_vWSReservedC B8	tinyint	3	No	0	
@I_vWSReservedC B9	tinyint	3	No	0	
@I_vWSReservedC B10	tinyint	3	No	0	
@I_vWSReservedS TR1	char	11	No	'	
@I_vWSReservedS TR2	char	11	No	'	
@I_vDEXROWID	int	10	No	0	
@I_vUpdateIfExist s	tinyint	3	Yes	0	

Element Name	Data Type	Length	Required	Default	Description
@I_vWennSoftTablesOnly	tinyint	3	Yes	0	
@I_vOnlyValidate	tinyint	3	Yes	0	
@I_vUSRDEFND1	char	50	No	'	
@I_vUSRDEFND2	char	50	No	'	
@I_vUSRDEFND3	char	50	No	'	
@I_vUSRDEFND4	varchar	8000	No	'	
@I_vUSRDEFND5	varchar	8000	No	'	
@I_vReturnErrorText	tinyint	3	No	1	
@O_iErrorState	int	10	No	0	
@oErrString	varchar	255	No	'	

## Error Codes

Error Code	Description
51017	The Job does not exist in Signature.
51094	Job is inactive.
51090	The Project Number does not exist.
51234	Project Number must be for an Active project.

Error Code	Description
52279	The project number is not assigned to the job.
52301	Customer Number must be empty.
51018	Cost Code does not exist for this Job.
51064	Procedure jcVerifyTRXDate failed on invalid date. Year cannot be 1900.
52306	The Transaction Date falls within a closed period in Job Cost.
51066	Unable to post to historical or closed year.
52111	The Transaction Date cannot be before the created date of the job.

## wsiJInventoryWork

- [Table: JC10201 \(page 73\)](#)
- [Error Codes \(page 79\)](#)

### Table: JC10201

**Description:** Used to create Job Cost Inventory Transactions

Element Name	Data Type	Length	Required	Default	Description
@I_vAccountIndexArray2 1	int				
@I_vAccountIndexArray2 2	int				
@I_vAccountIndexArray2 3	int				

Element Name	Data Type	Length	Required	Default	Description
@I_vAccountIndexArray24	int				
@I_vAccountIndexArray25	int				
@I_vBatchNumber	char	15			
@I_vBatchSource	char	15			
@I_vCostCodeActualCostTTD	numeric	19,5			
@I_vCostCodeDescription	char	31			
@I_vCostElement	smallint				
@I_vDocumentAmount	numeric	19,5			
@I_vDocumentDate	datetime				
@I_vDocumentSource	char	3			
@I_vGLPostingDate	datetime				
@I_vItemDescription	char	101			
@I_vItemNumber	char	31			
@I_vIVDocumentType	smallint				
@I_vJobTRXNumber	char	21			



Element Name	Data Type	Length	Required	Default	Description
@I_vJobType	char	7			
@I_vLineSEQNumber	numeric	19,5			
@I_vOnlyValidate	tinyint				
@I_vPostingStatus	smallint				
@I_vProfitAmount	numeric	19,5			
@I_vProfitTypeNumber	smallint				
@I_vReturnErrorText	tinyint				
@I_vSVLanguageID	smallint				
@I_vTaxDate	datetime				
@I_vTimeZone	char	3			
@I_vTransactionDescription	char	31			
@I_vTRXLocation	char	11			
@I_vTRXQTY	numeric	19,5			
@I_vUnitCost	numeric	19,5			
@I_vUOfM	char	9			
@I_vUpdateIfExists	tinyint				

Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefine1	char	31			
@I_vUserDefine2	char	31			
@I_vUserDefined1	char	21			
@I_vUserDefined2	char	21			
@I_vUserDefinedCB1	tinyint				
@I_vUserDefinedCB2	tinyint				
@I_vUserDefinedCB3	tinyint				
@I_vUserDefinedCB4	tinyint				
@I_vUserDefinedDate1	datetime				
@I_vUserDefinedDate2	datetime				
@I_vUserDefinedDollar1	numeric	19,5			
@I_vUserDefinedDollar2	numeric	19,5			
@I_vUserDefinedDollar3	numeric	19,5			
@I_vUserDefinedDollar4	numeric	19,5			
@I_vUserDefinedInteger1	int				
@I_vUserDefinedInteger2	int				

Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefinedInteger3	int				
@I_vUserDefinedInteger4	int				
@I_vUserID	char	15			
@I_vUSRDEFND1	char	50			
@I_vUSRDEFND2	char	50			
@I_vUSRDEFND3	char	50			
@I_vUSRDEFND4	varchar	8000			
@I_vUSRDEFND5	varchar	8000			
@I_vVendorID	char	15			
@I_vWennsoftAffiliate	char	15			
@I_vWennsoftBranch	char	15			
@I_vWennsoftRegion	char	15			
@I_vWennSoftTablesOnly	tinyint				
@I_vWSCostCodeNumber 1	char	7			
@I_vWSCostCodeNumber 2	char	7			

Element Name	Data Type	Length	Required	Default	Description
@I_vWSCostCodeNumber 3	char	7			
@I_vWSCostCodeNumber 4	char	7			
@I_vWSJobNumber	char	17			
@I_vWSProjectNumber	char	17			
@I_vWSReservedCB1	tinyint				
@I_vWSReservedCB10	tinyint				
@I_vWSReservedCB2	tinyint				
@I_vWSReservedCB3	tinyint				
@I_vWSReservedCB4	tinyint				
@I_vWSReservedCB5	tinyint				
@I_vWSReservedCB6	tinyint				
@I_vWSReservedCB7	tinyint				
@I_vWSReservedCB8	tinyint				
@I_vWSReservedCB9	tinyint				
@I_vWSReservedSTR1	char	11			
@I_vWSReservedSTR2	char	11			

Element Name	Data Type	Length	Required	Default	Description
@I_vWSUserDefinedDate 3	datetime				
@I_vWSUserDefinedDate 4	datetime				
@O_iErrorState	int				
@oErrString	varchar	255			

## Error Codes

Error Code	Description
10004	Transaction date is not within an open fiscal year.
51017	The Job does not exist in Signature.
51018	Cost Code does not exist for this Job.
51050	An error occurred during an update or insert into a Signature table.
51050	An error occurred during an update or insert into a Signature table.
51089	The Cost Element must be in the range of 1 to 9.
51091	The Inventory Item does not exist.
51094	Job is inactive.
52234	Transaction Quantity is invalid.
52236	Unit of Measure is invalid.

## wsiJInvoiceSchedule

- [Table: JC10503 \(page 80\)](#)
- [Error Codes \(page 85\)](#)

**Table: JC10503**

Element Name	Data Type	Length	Required	Default	Description
@I_vAccountIndex	int				
@I_vBatchNumber	char	15			
@I_vBatchSource	char	15			
@I_vBillCodeNumber	char	27			
@I_vBilledAmount	numeric	19,5			
@I_vBillPct	smallint				
@I_vCommentID	char	15			
@I_vCostElement	smallint				
@I_vCurrentBill	numeric	19,5			
@I_vCurrentDue	numeric	19,5			
@I_vLineSEQNumber	numeric	19,5			
@I_vOnlyValidate	tinyint				
@I_vOriginatingBilledAmount	numeric	19,5			

Element Name	Data Type	Length	Required	Default	Description
@I_vOriginatingCurrentBill	numeric	19,5			
@I_vOriginatingCurrentDue	numeric	19,5			
@I_vOriginatingRetentionAmount	numeric	19,5			
@I_vOriginatingScheduleValue	numeric	19,5			
@I_vOriginatingWorkInPlace	numeric	19,5			
@I_vRetentionAmount	numeric	19,5			
@I_vRetentionBilled	numeric	19,5			
@I_vReturnErrorText	tinyint				
@I_vRMDocumentNumberWORK	char	17			
@I_vRMDocumentTypeAll	smallint				
@I_vScheduleValue	numeric	19,5			
@I_vStoredMaterials	numeric	19,5			
@I_vSVLanguageID	smallint				
@I_vTimeZone	char	3			

Element Name	Data Type	Length	Required	Default	Description
@I_vUnitsBillable	numeric	19,5			
@I_vUnitsBilledTTD	numeric	19,5			
@I_vUnitsBillingRate	numeric	19,5			
@I_vUpdateIfExists	tinyint				
@I_vUserDefine1	char	31			
@I_vUserDefine2	char	31			
@I_vUserDefined1	char	21			
@I_vUserDefined2	char	21			
@I_vUserDefinedCB1	tinyint				
@I_vUserDefinedCB2	tinyint				
@I_vUserDefinedCB3	tinyint				
@I_vUserDefinedCB4	tinyint				
@I_vUserDefinedDate1	datetime				
@I_vUserDefinedDate2	datetime				
@I_vUserDefinedDollar1	numeric	19,5			
@I_vUserDefinedDollar2	numeric	19,5			



Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefinedDollar3	numeric	19,5			
@I_vUserDefinedDollar4	numeric	19,5			
@I_vUserDefinedInteger1	int				
@I_vUserDefinedInteger2	int				
@I_vUserDefinedInteger3	int				
@I_vUserDefinedInteger4	int				
@I_vUserID	char	15			
@I_vUSRDEFND1	char	50			
@I_vUSRDEFND2	char	50			
@I_vUSRDEFND3	char	50			
@I_vUSRDEFND4	varchar	8000			
@I_vUSRDEFND5	varchar	8000			
@I_vWennsoftAffiliate	char	15			
@I_vWennsoftBranch	char	15			
@I_vWennsoftRegion	char	15			
@I_vWennSoftTablesOnly	tinyint				

Element Name	Data Type	Length	Required	Default	Description
@I_vWorkInPlace	numeric	19,5			
@I_vWSJobNumber	char	17			
@I_vWSReservedCB1	tinyint				
@I_vWSReservedCB10	tinyint				
@I_vWSReservedCB2	tinyint				
@I_vWSReservedCB3	tinyint				
@I_vWSReservedCB4	tinyint				
@I_vWSReservedCB5	tinyint				
@I_vWSReservedCB6	tinyint				
@I_vWSReservedCB7	tinyint				
@I_vWSReservedCB8	tinyint				
@I_vWSReservedCB9	tinyint				
@I_vWSReservedSTR1	char	11			
@I_vWSReservedSTR2	char	11			
@I_vWSUserDefinedDate 3	datetime				
@I_vWSUserDefinedDate 4	datetime				

Element Name	Data Type	Length	Required	Default	Description
@O_iErrorState	int				
@oErrString	varchar	255			

## Error Codes

Error Code	Description
51013	The Job Number parameter is missing or blank.
51112	Customer number does not exist.
52017	Job Number not found.
52482	Unable to enter bill codes for TRX Level billing type
52483	Unable to enter bill codes for Standard Billing type
52484	The Bill Code Number parameter is missing or blank.
52485	This bill code is completely billed
52486	Insert appropriate error description here
52487	Bill Code was not found for this Job Number
52488	The Document Number cannot be found
52489	The Document Type parameter does not match the Document Type.
52489	Cost element parameter does not match the Bill Code cost element.

Error Code	Description
52490	Cost element parameter does not match the Bill Code cost element.
52491	Batch number parameter does not match the Document number batch number
52492	Batch source parameter does not match the Document number batch source
52493	Originating Billed Amount parameter does not match the bill code Originating Billed Amount TTD.
52494	Originating Schedule Value does not equal the Originating Total Billable Amount of the Bill Code
52495	Schedule Value does not match the Bill Code Total Billable Amount.
52496	Billed Amount parameter does not match the bill code Billed Amount TTD.
52497	Originating Scheduled Value cannot be greater than Current Bill.
52498	Current Bill cannot be greater than Schedule Value.
52499	Please enter current due

## wsiJCJobDetailMSTR

- [Table Name: JC00701 \(page 86\)](#)
- [Error Codes \(page 98\)](#)

### Table Name: JC00701

**Other tables affected:** <none>

Other stored procedures called: wsiJCJobDetailMSTRPre, wsiJCJobDetailMSTRPost

**Description:**

This procedure allows the insert or update of records into the Job Detail Master table.

Element Name	Data Type	Length	Required	Default	Description
@I_vWSJobNumber	char	17	Yes		I_vWSJobNumber exists in JC00102 and is an active job
@I_vWSProjectNumber	char	17	No	'	I_vWSProjectNumber exists in JC01701 and is an active project and is assigned to the job
@I_vWSCostCodeNumber1	char	7	Yes		I_vWSCostCodeNumber1 length is equal to the value in JC40103.Cost_Code_Seg_Length_1
@I_vWSCostCodeNumber2	char	7	Yes		I_vWSCostCodeNumber2 length is equal to the value in JC40103.Cost_Code_Seg_Length_2
@I_vWSCostCodeNumber3	char	7	Yes		I_vWSCostCodeNumber3 length is equal to the value in JC40103.Cost_Code_Seg_Length_3
@I_vWSCostCodeNumber4	char	7	Yes		I_vWSCostCodeNumber4 length is equal to the value in JC40103.Cost_Code_Seg_Length_4
@I_vCostCodeAliases	char	27	No	'	An empty cost code alias value must be passed in. The alias will be constructed from the passed in cost code numbers and element.
@I_vCostCodeDescription	char	31	No		I_vCostCodeDescription must contain a non-empty string
@I_vCostElement	smallint	5	Yes		I_vCostElement exists in JC40209
@I_vWSManagerID	char	15	No	'	I_vWSManagerID exists in UPR00100
@I_vWSInactive	tinyint	3	No	0	I_vWSInactive is 0 or 1

Element Name	Data Type	Length	Required	Default	Description
@I_vProfitTypeNumber	smallint	5	No	0	A) I_vProfitTypeNumber exists in JC40208 B) I_vProfitTypeNumber must be 2 if the job is a "Fixed Amount" contract and I_vAddedByCOModule is 0 C) I_vProfitTypeNumber may be the values 1 thru 9 if I_vAddedByCOModule is 1 D) if I_vProfitTypeNumber is 9, then I_vCostElement must be 1
@I_vProfitAmount	numeric	19,5	No	0	A) If I_vProfitTypeNumber = 3, then I_vProfitAmount cannot equal 100 B) If I_vProfitTypeNumber = 1 or I_vProfitTypeNumber = 2, then I_vProfitAmount must be zero
@I_vTypeofTransaction	smallint	5	No	0	The type of transaction is 1, 2, 3, or 4
@I_vNextSubdivisionType	smallint	5	No	0	
@I_vWSAccountIndex1	int	10	No	0	I_vWSAccountIndex1 exists in GL00100 and is not a unit account (Account Type 2 in table GL00100). A value of zero or NULL may be passed in which will default in the account index. If JC40305.GB_CC_Acct_Setup is zero, then "Cost Code Debit Posting Accounts: Cost Codes" is used and the account index in JC40202.ACTINDX will be used if I_vWSAccountIndex1 is zero. If JC40305.GB_CC_Acct_Setup is one, then "Cost Code Debit Posting Accounts: Division" is used and the account index in JC40302.ACTINDX will be used (based on the division assigned to the job and the cost element assigned to the cost code) I_vWSAccountIndex1 is zero. Finally, the account must be active and the account cannot be a unit account. Unit accounts are identified by field GL00100.ACCTTYPE with a value of 2.

Element Name	Data Type	Length	Required	Default	Description
@I_vWSAccountIndex2	int	10	No	0	Not validated. Not used.
@I_vAddedByCOModule	tinyint	3	No	0	I_vAddedByCOModule is 0 or 1
@I_vTrackProductionQty	tinyint	3	No	0	I_vTrackProductionQty is 0 or 1
@I_vCostCodeActualCostTTD	numeric	19,5	No	0	
@I_vCostCodeActualCostYTD	numeric	19,5	No	0	
@I_vActualUnitsTTD	numeric	19,5	No	0	
@I_vCostCodeEstimatedCost	numeric	19,5	No	0	
@I_vChangeOrderEstimatedCost	numeric	19,5	No	0	
@I_vCostCodeRevisedEstimatedCost	numeric	19,5	No	0	
@I_vCostCodeForecastedCost	numeric	19,5	No	0	
@I_vCostCodeRevisedForecast	numeric	19,5	No	0	
@I_vForecastedUnits	numeric	19,5	No	0	

Element Name	Data Type	Length	Required	Default	Description
@I_vCommittedCost	numeric	19,5	No	0	
@I_vCommittedUnits	numeric	19,5	No	0	
@I_vCostCodeEstimatedUnits	numeric	19,5	No	0	
@I_vEstimatedAmountUnits	numeric	19,5	No	0	
@I_vProductionEstimateQty	numeric	19,5	No	0	
@I_vProductionActualQty	numeric	19,5	No	0	
@I_vProductionQtyUnit	numeric	19,5	No	0	
@I_vProductionQtyCurrentPeriod	numeric	19,5	No	0	
@I_vProductionBest	numeric	19,5	No	0	
@I_vProductionBestDate	datetime		No	01/01/1900'	
@I_vProductionMeasureCode	char	7	No	'	I_vProductionMeasureCode exists in JC40102
@I_vOVHD1UOM	char	21	No	'	
@I_vOVHD1Type	smallint	5	No	0	



Element Name	Data Type	Length	Required	Default	Description
@I_vOVHD1Percent	smallint	5	No	0	
@I_vOVHD1EstimatedUnits	numeric	19,5	No	0	
@I_vOVHD1ActualUnits	numeric	19,5	No	0	
@I_vOVHD1ForecastedUnits	numeric	19,5	No	0	
@I_vOVHD1AmtPerUnit	numeric	19,5	No	0	
@I_vOVHD1EstimatedAmount	numeric	19,5	No	0	
@I_vOVHD1ActualAmount	numeric	19,5	No	0	
@I_vOVHD1ProfitType	smallint	5	No	0	
@I_vOVHD1ProfitAmount	numeric	19,5	No	0	
@I_vOVHD2UOM	char	21	No	'	
@I_vOVHD2Type	smallint	5	No	0	
@I_vOVHD2Percent	smallint	5	No	0	
@I_vOVHD2EstimatedUnits	numeric	19,5	No	0	

Element Name	Data Type	Length	Required	Default	Description
@I_vOVHD2Actual Units	numeric	19,5	No	0	
@I_vOVHD2ForecastedUnits	numeric	19,5	No	0	
@I_vOVHD2AmtPerUnit	numeric	19,5	No	0	
@I_vOVHD2EstimatedAmount	numeric	19,5	No	0	
@I_vOVHD2Actual Amount	numeric	19,5	No	0	
@I_vOVHD2Profit Type	smallint	5	No	0	
@I_vOVHD2Profit Amount	numeric	19,5	No	0	
@I_vBillType	smallint	5	No	0	
@I_vScheduledCompletionDate	datetime		No	01/01/1900'	
@I_vActualCompletionDate	datetime		No	01/01/1900'	
@I_vScheduleStartDate	datetime		No	01/01/1900'	
@I_vActualStartDate	datetime		No	01/01/1900'	

Element Name	Data Type	Length	Required	Default	Description
@I_vBillingScheduleLine	char	9	No	'	
@I_vEstimatedMeasureCode	char	7	No	'	I_vEstimatedMeasureCode exists in JC40102
@I_vAmountPctComplete	smallint	5	No	0	
@I_vUnitsPctComplete	smallint	5	No	0	
@I_vProductionPctComplete	smallint	5	No	0	
@I_vFieldPctComplete	smallint	5	No	0	
@I_vPostedTo	tinyint	3	No	0	I_vPostedTo is 0 or 1
@I_vWorkersComp	char	7	No	'	I_vWorkersComp exists in UPR40700
@I_vChangeOrderEstimatedUnits	numeric	19,5	No	0	
@I_vLaborGroupName	char	15	No	'	I_vLaborGroupName exists in SV00123
@I_vUserID	char	15	No	'	
@I_vUserDefine1	char	31	No	'	
@I_vUserDefine2	char	31	No	'	

Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefined1	char	21	No	'	
@I_vUserDefined2	char	21	No	'	
@I_vUserDefinedInteger1	int	10	No	0	
@I_vUserDefinedInteger2	int	10	No	0	
@I_vUserDefinedInteger3	int	10	No	0	
@I_vUserDefinedInteger4	int	10	No	0	
@I_vUserDefinedDollar1	numeric	19,5	No	0	
@I_vUserDefinedDollar2	numeric	19,5	No	0	
@I_vUserDefinedDollar3	numeric	19,5	No	0	
@I_vUserDefinedDollar4	numeric	19,5	No	0	
@I_vUserDefinedDate1	datetime		No	01/01/1900'	
@I_vUserDefinedDate2	datetime		No	01/01/1900'	
@I_vWSUserDefinedDate3	datetime		No	01/01/1900'	

Element Name	Data Type	Length	Required	Default	Description
@I_vWSUserDefinedDate4	datetime		No	01/01/1900'	
@I_vUserDefinedCB1	tinyint	3	No	0	
@I_vUserDefinedCB2	tinyint	3	No	0	
@I_vUserDefinedCB3	tinyint	3	No	0	
@I_vUserDefinedCB4	tinyint	3	No	0	
@I_vVendorNumber	char	25	No	'	I_vVendorNumber exists in PM00200
@I_vItemNumber	char	31	No	'	
@I_vPurchaseOrderNumber	char	21	No	'	
@I_vCostCodeRvsdForecastUnits	numeric	19,5	No	0	
@I_vRatePerUnit	numeric	19,5	No	0	
@I_vOriginalEstimateUnits	numeric	19,5	No	0	
@I_vOriginalForecastUnits	numeric	19,5	No	0	
@I_vWennsoftAffiliate	char	15	No	'	

Element Name	Data Type	Length	Required	Default	Description
@I_vWennsoftBranch	char	15	No	'	
@I_vWennsoftRegion	char	15	No	'	
@I_vSVLanguageID	smallint	5	No	0	
@I_vTimeZone	char	3	No	'	
@I_vWSReservedCB1	tinyint	3	No	0	
@I_vWSReservedCB2	tinyint	3	No	0	
@I_vWSReservedCB3	tinyint	3	No	0	
@I_vWSReservedCB4	tinyint	3	No	0	
@I_vWSReservedCB5	tinyint	3	No	0	
@I_vWSReservedCB6	tinyint	3	No	0	
@I_vWSReservedCB7	tinyint	3	No	0	
@I_vWSReservedCB8	tinyint	3	No	0	

Element Name	Data Type	Length	Required	Default	Description
@I_vWSReserved CB9	tinyint	3	No	0	
@I_vWSReserved CB10	tinyint	3	No	0	
@I_vWSReserved STR1	char	11	No	'	
@I_vWSReserved STR2	char	11	No	'	
@I_vUpdateIfExist s	tinyint	3	Yes	0	
@I_vWennSoftTa blesOnly	tinyint	3	Yes	0	
@I_vOnlyValidate	tinyint	3	Yes	0	
@I_vUSRDEFND1	char	50	No	'	
@I_vUSRDEFND2	char	50	No	'	
@I_vUSRDEFND3	char	50	No	'	
@I_vUSRDEFND4	varchar	8000	No	'	
@I_vUSRDEFND5	varchar	8000	No	'	
@I_vReturnErrorT ext	tinyint	3	No	1	
@O_iErrorState	int	10	No	0	

Element Name	Data Type	Length	Required	Default	Description
@oErrString	varchar	255	No	'	

## Error Codes

Error Code	Description
51017	The Job does not exist in Signature.
51094	Job is inactive.
51090	The Project Number does not exist.
51234	Project Number must be for an Active project.
51234	Project Number must be for an Active project.
52243	The length of the first Job Cost Code Segment is incorrect.
52244	The length of the second Job Cost Code Segment is incorrect.
52245	The length of the third Job Cost Code Segment is incorrect.
52246	The length of the fourth Job Cost Code Segment is incorrect.
51089	The Cost Element must be in the range of 1 to 9.
51118	The project manager does not exist in the payroll master table.
52247	The Job Cost Code Inactive flag must be set to 0 or 1.
52248	The Job Cost Code Added By Change Order flag must be set to 0 or 1.



Error Code	Description
51205	The profit type number does not exist in the profit type setup table.
52249	The Profit Type Number for Job Cost Codes not added by Change Orders must be 2 for Jobs with Fixed Amount Contract Types.
52250	The Cost Element must be 1 for Profit Type Number 9 Service Labor Rate Group.
52251	The Profit Amount cannot be 100 for a Job Cost Code with Profit Type Number 3 Percent Margin.
52252	The Profit Amount must be zero for Job Cost Codes with Profit Type Number 1 Non-billable.
52253	The Profit Amount must be zero for Job Cost Codes with Profit Type Number 2 None.
52254	The Type of Transaction value for a Job Cost Code must be 1, 2, 3, or 4.
51164	Account Index does not exist.
52255	The Track Production Quantity flag for a Job Cost Code must be set to 0 or 1.
52256	The Production Measure Code does not exist.
52257	The Estimated Measure Code does not exist.
52258	The Posted To flag for a Job Cost Code must be 0 or 1.
52259	The Workers Compensation Code does not exist.
52260	The Labor Group Name does not exist.
52261	The Vendor ID does not exist.

Error Code	Description
52262	The Cost Code Description cannot be blank for a Job Cost Code.
51234	The project number is not assigned to the job.
52264	Unit accounts cannot be used with job cost codes.
52293	Cost Code Alias must be empty.
52292	Cost Code Debit Posting Accounts by Division requires the use of the Account Index setup in JC40302 for the Division assigned to the Job and the Cost Element assigned to the Cost Code.

## wsjCJobEstimates

- [Table: JC00401 \(page 100\)](#)
- [Error Codes \(page 104\)](#)

### Table: JC00401

Element Name	Data Type	Length	Required	Default	Description
@I_vCostCodeEstimated Units	numeric	19,5			
@I_vCostElement	smallint				
@I_vCostElementDescription	char	15			
@I_vCustomerNumber	char	15			
@I_vEstimatedAmtUnits	numeric	19,5			
@I_vOnlyValidate	tinyint				

Element Name	Data Type	Length	Required	Default	Description
@I_vReturnErrorText	tinyint				
@I_vScheduleDate	datetime				
@I_vShortDescription	char	31			
@I_vSVLanguageID	smallint				
@I_vTimeZone	char	3			
@I_vTransactionAmount	numeric	19,5			
@I_vTransactionDate	datetime				
@I_vTransactionDocNumber	numeric	19,5			
@I_vUpdateIfExists	tinyint				
@I_vUserDefine1	char	31			
@I_vUserDefine2	char	31			
@I_vUserDefined1	char	21			
@I_vUserDefined2	char	21			
@I_vUserDefinedCB1	tinyint				
@I_vUserDefinedCB2	tinyint				
@I_vUserDefinedCB3	tinyint				

Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefinedCB4	tinyint				
@I_vUserDefinedDate1	datetime				
@I_vUserDefinedDate2	datetime				
@I_vUserDefinedDollar1	numeric	19,5			
@I_vUserDefinedDollar2	numeric	19,5			
@I_vUserDefinedDollar3	numeric	19,5			
@I_vUserDefinedDollar4	numeric	19,5			
@I_vUserDefinedInteger1	int				
@I_vUserDefinedInteger2	int				
@I_vUserDefinedInteger3	int				
@I_vUserDefinedInteger4	int				
@I_vUserID	char	15			
@I_vUSRDEFND1	char	50			
@I_vUSRDEFND2	char	50			
@I_vUSRDEFND3	char	50			
@I_vUSRDEFND4	varchar	8000			

Element Name	Data Type	Length	Required	Default	Description
@I_vUSRDEFND5	varchar	8000			
@I_vWennsoftAffiliate	char	15			
@I_vWennsoftBranch	char	15			
@I_vWennsoftRegion	char	15			
@I_vWennSoftTablesOnly	tinyint				
@I_vWSCostCodeNumber 1	char	7			
@I_vWSCostCodeNumber 2	char	7			
@I_vWSCostCodeNumber 3	char	7			
@I_vWSCostCodeNumber 4	char	7			
@I_vWSJobNumber	char	17			
@I_vWSManagerID	char	15			
@I_vWSProjectNumber	char	17			
@I_vWSReservedCB1	tinyint				
@I_vWSReservedCB10	tinyint				
@I_vWSReservedCB2	tinyint				

Element Name	Data Type	Length	Required	Default	Description
@I_vWSReservedCB3	tinyint				
@I_vWSReservedCB4	tinyint				
@I_vWSReservedCB5	tinyint				
@I_vWSReservedCB6	tinyint				
@I_vWSReservedCB7	tinyint				
@I_vWSReservedCB8	tinyint				
@I_vWSReservedCB9	tinyint				
@I_vWSReservedSTR1	char	11			
@I_vWSReservedSTR2	char	11			
@I_vWSUserDefinedDate 3	datetime				
@I_vWSUserDefinedDate 4	datetime				
@O_iErrorState	int				
@oErrString	varchar	255			

## Error Codes

Error Code	Description
10004	Transaction date is not within an open fiscal year.

Error Code	Description
51090	The Project Number does not exist.
51118	The project manager does not exist in the payroll master table.
51200	The cost code number is blank.
51202	The job is blank.
51203	The cost element is blank.
51204	The cost element does not exist in the cost element setup table.
51300	The Transaction Date field is blank.
51301	Cannot import estimates because the cost code number does not exist.
51302	Cannot import estimates because a password is setup for Revise Estimate Cost.
51412	Database error inserting records into table JC00401.
52100	The description field is blank.
52418	Error updating record in the JC00401 table.
52481	The Transaction Amount cannot be zero.

## wsiJCJobMaster

- [Error Codes \(page 121\)](#)

Element Name	Data Type	Length	Required	Default	Description
@I_vWSJobNumber	char	17	Yes		
@I_vWSProjectNumber	char	17	Yes		
@I_vWSJobName	char	31	Yes		
@I_vDivisions	char	15	Yes		
@I_vCustomerNumber	char	15	Yes		
@I_vJobAddressCode	char	15	Yes		
@I_vJobBilltoAddressCode	char	15	Yes		
@I_vEstimatorID	char	15	No		
@I_vWSManagerID	char	15	No		
@I_vUserID	char	15	No		
@I_vBidDueDate	datetime		No		
@I_vScheduleStartDate	datetime		No		
@I_vScheduledCompletionDate	datetime		No		
@I_vActualCompletionDate	datetime		No		
@I_vEstLaborCost	numeric	19,5	No		



Element Name	Data Type	Length	Required	Default	Description
@I_vEstMaterialCost	numeric	19,5	No		
@I_vEstEquipmentCost	numeric	19,5	No		
@I_vEstSubsCost	numeric	19,5	No		
@I_vEstMiscOtherCost	numeric	19,5	No		
@I_vEstCostUserDefined1	numeric	19,5	No		
@I_vEstCostUserDefined2	numeric	19,5	No		
@I_vEstCostUserDefined3	numeric	19,5	No		
@I_vEstCostUserDefined4	numeric	19,5	No		
@I_vTotalEstimatedCost	numeric	19,5	No		
@I_vEstLaborCostMarkup	numeric	19,5	No		
@I_vEstEquipmentCostMa rku p	numeric	19,5	No		
@I_vEstMaterialsCostMark up	numeric	19,5	No		
@I_vEstSubsCostMarkup	numeric	19,5	No		
@I_vEstMiscOtherCostMar kup	numeric	19,5	No		
@I_vEstUserDefined1Cost Markup	numeric	19,5	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vEstUserDefined2Cost Markup	numeric	19,5	No		
@I_vEstUserDefined3Cost Markup	numeric	19,5	No		
@I_vEstUserDefined4Cost Markup	numeric	19,5	No		
@I_vTotalEstimatedMarkup	numeric	19,5	No		
@I_vCalculatePctCompletedtoDate	smallint	5	No		
@I_vEstPctCompletoDate	smallint	5	No		
@I_vJCContractNumber	char	15	No		
@I_vContractType	smallint	5	No		
@I_vWSBillingType	smallint	5	No		
@I_vProjectBilling	tinyint	3	No		
@I_vOverheadLaborPct	smallint	5	No		
@I_vOverheadUserDefined Pct	smallint	5	No		
@I_vOverheadFlatAmount	numeric	19,5	No		
@I_vOriginalContractAmount	numeric	19,5	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vOriginatingContractAmount	numeric	19,5	No		
@I_vContractMaximumBillAmount	numeric	19,5	No		
@I_vConfirmedChangeOrderAmount	numeric	19,5	No		
@I_vInProcessChangeOrderAmount	numeric	19,5	No		
@I_vCOAmountUserDefined1	numeric	19,5	No		
@I_vCOAmountUserDefined2	numeric	19,5	No		
@I_vCOAmountUserDefined3	numeric	19,5	No		
@I_vContracttoDate	numeric	19,5	No		
@I_vOriginatingContractToDate	numeric	19,5	No		
@I_vRetentionPct	numeric	19,5	No		
@I_vActLaborCostTTD	numeric	19,5	No		
@I_vActMaterialsCostTTD	numeric	19,5	No		
@I_vActEquipmentCostTTD	numeric	19,5	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vActSubsCostTTD	numeric	19,5	No		
@I_vActMiscOtherCostTTD	numeric	19,5	No		
@I_vActCostTTDUserDefined1	numeric	19,5	No		
@I_vActCostTTDUserDefined2	numeric	19,5	No		
@I_vActCostTTDUserDefined3	numeric	19,5	No		
@I_vActCostTTDUserDefined4	numeric	19,5	No		
@I_vTotalActualCost	numeric	19,5	No		
@I_vActLaborCostTTDMarkup	numeric	19,5	No		
@I_vActEquipmentCostTTDMarkup	numeric	19,5	No		
@I_vActMaterialsCostTTDMarkup	numeric	19,5	No		
@I_vActSubsCostTTDMarkup	numeric	19,5	No		
@I_vActMiscOtherCostTTDMarkup	numeric	19,5	No		
@I_vActUserDefined1TTDMarkup	numeric	19,5	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vActUserDefined2TTD Markup	numeric	19,5	No		
@I_vActUserDefined3TTD Markup	numeric	19,5	No		
@I_vActUserDefined4TTD Markup	numeric	19,5	No		
@I_vBilledLaborCostTTD Markup	numeric	19,5	No		
@I_vBilledMaterialsCostTTD Markup	numeric	19,5	No		
@I_vBilledEquipmentCostTTD Markup	numeric	19,5	No		
@I_vBilledSubsCostTTD Markup	numeric	19,5	No		
@I_vBilledMiscOtherCostTTD Markup	numeric	19,5	No		
@I_vBilledUserDefined1TTD Markup	numeric	19,5	No		
@I_vBilledUserDefined2TTD Markup	numeric	19,5	No		
@I_vBilledUserDefined3TTD Markup	numeric	19,5	No		
@I_vBilledUserDefined4TTD Markup	numeric	19,5	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vBilledAmountTTD	numeric	19,5	No		
@I_vRetentionAmountTTD	numeric	19,5	No		
@I_vRetentionBilledTTD	numeric	19,5	No		
@I_vNetBilledTTD	numeric	19,5	No		
@I_vCashReceivedTTD	numeric	19,5	No		
@I_vBilledYTD	numeric	19,5	No		
@I_vRetentionAmountYTD	numeric	19,5	No		
@I_vRetentionBilledYTD	numeric	19,5	No		
@I_vMiscTaxAmount	numeric	19,5	No		
@I_vTaxAmount	numeric	19,5	No		
@I_vDiscountAmount	numeric	19,5	No		
@I_vWriteOffAmount	numeric	19,5	No		
@I_vNetBilledYTD	numeric	19,5	No		
@I_vCashReceivedYTD	numeric	19,5	No		
@I_vLastBillingDate	datetime		No		
@I_vExpectedContract	numeric	19,5	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vOriginatingExpectedContract	numeric	19,5	No		
@I_vCurrencyID	char	15	No		
@I_vCurrencyIndex	smallint	5	No		
@I_vExchangeRate	numeric	19,7	No		
@I_vExchangeDate	datetime		No		
@I_vTime	datetime		No		
@I_vRateTypeID	char	15	No		
@I_vExchangeTableID	char	15	No		
@I_vActLaborCostYTD	numeric	19,5	No		
@I_vActMaterialsCostYTD	numeric	19,5	No		
@I_vActEquipmentCostYTD	numeric	19,5	No		
@I_vActSubsCostYTD	numeric	19,5	No		
@I_vActMiscOtherYTD	numeric	19,5	No		
@I_vActCostYTDUserDefined1	numeric	19,5	No		
@I_vActCostYTDUserDefined2	numeric	19,5	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vActCostYTDUserDefined3	numeric	19,5	No		
@I_vActCostYTDUserDefined4	numeric	19,5	No		
@I_vTaxExemptNumber	char	15	No		
@I_vTaxScheduleID	char	15	Yes		
@I_vCommittedEquipmentTTD	numeric	19,5	No		
@I_vCommittedMaterialsTTD	numeric	19,5	No		
@I_vCommittedLaborTTD	numeric	19,5	No		
@I_vCommittedSubsTTD	numeric	19,5	No		
@I_vCommittedMiscOtherTTD	numeric	19,5	No		
@I_vCommittedTTDUserDefined1	numeric	19,5	No		
@I_vCommittedTTDUserDefined2	numeric	19,5	No		
@I_vCommittedTTDUserDefined3	numeric	19,5	No		
@I_vCommittedTTDUserDefined4	numeric	19,5	No		



Element Name	Data Type	Length	Required	Default	Description
@I_vCommittedCost	numeric	19,5	No		
@I_vForecastedEquipmentTTD	numeric	19,5	No		
@I_vForecastedLaborTTD	numeric	19,5	No		
@I_vForecastedMaterialsTTD	numeric	19,5	No		
@I_vForecastedMiscOtherTTD	numeric	19,5	No		
@I_vForecastedSubsTTD	numeric	19,5	No		
@I_vForecastedUserDefined1	numeric	19,5	No		
@I_vForecastedUserDefined2	numeric	19,5	No		
@I_vForecastedUserDefined3	numeric	19,5	No		
@I_vForecastedUserDefined4	numeric	19,5	No		
@I_vTotalForecastedCost	numeric	19,5	No		
@I_vRevsdEquipmentForecastedCost	numeric	19,5	No		
@I_vRevsdLaborForecastedCost	numeric	19,5	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vRevsdMaterialsForecastedCost	numeric	19,5	No		
@I_vRevsdSubsForecastedCost	numeric	19,5	No		
@I_vRevsdMiscOtherForecastedCost	numeric	19,5	No		
@I_vRevsdForecastedUserDefined1	numeric	19,5	No		
@I_vRevsdForecastedUserDefined2	numeric	19,5	No		
@I_vRevsdForecastedUserDefined3	numeric	19,5	No		
@I_vRevsdForecastedUserDefined4	numeric	19,5	No		
@I_vTotalRevsdForecastCost	numeric	19,5	No		
@I_vEstLaborUnitsTTD	numeric	19,5	No		
@I_vActLaborUnitsTTD	numeric	19,5	No		
@I_vAnticipatedMarkup	numeric	19,5	No		
@I_vSutaState	char	3	No		
@I_vLocalTax	char	7	No		
@I_vCertifiedPayroll	tinyint	3	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vRateClass	char	15	No		
@I_vExcludefromPOCCalculation	tinyint	3	No		
@I_vWSMarkupPercent	int	10	No		
@I_vRevsdForecastLaborUnits	numeric	19,5	No		
@I_vTotalActualCostMarkup	numeric	19,5	No		
@I_vUserDefine1	char	31	No		
@I_vUserDefine2	char	31	No		
@I_vUserDefined1	char	21	No		
@I_vUserDefined2	char	21	No		
@I_vUserDefinedInteger1	int	10	No		
@I_vUserDefinedInteger2	int	10	No		
@I_vUserDefinedInteger3	int	10	No		
@I_vUserDefinedInteger4	int	10	No		
@I_vUserDefinedDollar1	numeric	19,5	No		
@I_vUserDefinedDollar2	numeric	19,5	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefinedDollar3	numeric	19,5	No		
@I_vUserDefinedDollar4	numeric	19,5	No		
@I_vUserDefinedDate1	datetime		No		
@I_vUserDefinedDate2	datetime		No		
@I_vWSUserDefinedDate3	datetime		No		
@I_vWSUserDefinedDate4	datetime		No		
@I_vUserDefinedCB1	tinyint	3	No		
@I_vUserDefinedCB2	tinyint	3	No		
@I_vUserDefinedCB3	tinyint	3	No		
@I_vUserDefinedCB4	tinyint	3	No		
@I_vWennsoftAffiliate	char	15	No		
@I_vWennsoftBranch	char	15	No		
@I_vWennsoftRegion	char	15	No		
@I_vSVLanguageID	smallint	5	No		
@I_vTimeZone	char	3	No		
@I_vTechnicianID	char	15	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vTechnicianTeam	char	15	No		
@I_vWSInactive	tinyint	3	No		
@I_vWSReservedCB1	tinyint	3	No		
@I_vWSReservedCB2	tinyint	3	No		
@I_vWSReservedCB3	tinyint	3	No		
@I_vWSReservedCB4	tinyint	3	No		
@I_vWSReservedCB5	tinyint	3	No		
@I_vWSReservedCB6	tinyint	3	No		
@I_vWSReservedCB7	tinyint	3	No		
@I_vWSReservedCB8	tinyint	3	No		
@I_vWSReservedCB9	tinyint	3	No		
@I_vWSReservedCB10	tinyint	3	No		
@I_vWSReservedSTR1	char	11	No		
@I_vWSReservedSTR2	char	11	No		
@I_vCreatedDate	datetime		No		
@I_vCreatedUserID	char	15	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vReimbursable	tinyint	3	No		
@I_vJobCustomerID	char	15	No		
@I_vUseTaxSchedule	char	15	No		
@I_vStateCode	char	3	No		
@I_vInvoiceStyle	smallint	5	No		
@I_vUpdateIfExists	tinyint	3	Yes	0	
@I_vWennSoftTablesOnly	tinyint	3	Yes	0	
@I_vOnlyValidate	tinyint	3	Yes	0	
@I_vUSRDEFND1	char	50	No		
@I_vUSRDEFND2	char	50	No		
@I_vUSRDEFND3	char	50	No		
@I_vUSRDEFND4	varchar	8000	No		
@I_vUSRDEFND5	varchar	8000	No		
@I_vReturnErrorText	tinyint	3	No	1	
@O_iErrorState	int	10	No	0	
@oErrString	varchar	255	No		

## Error Codes

Error Code	Description
51123	Password setup for View Job Maintenance
51125	Cannot import the job because the job is closed.
51124	Password set up for Edit Original Contract.
51234	Enter a Job Number
51231	Import updates to an existing Job with a Billing Type of Project Allocated Revenue, are not supported.
51127	You cannot change the billing type because invoices have been posted for this job.
51128	Unposted SOP documents exist for this job. Delete all SOP document for this job before changing the billing type.
51129	Unposted Job Cost invoices exist for this job. Delete all Job Cost invoices for this job before changing the billing type to SOP.
51130	There are committed costs for this job. You cannot change the billing type.
51126	Cannot change division because posted cost exists.
51132	There are invoices for this job. You cannot change the division.
51140	Unposted SOP documents exist for this job. You cannot change the division.
51131	There are committed costs for this job. You cannot change the division.
51133	No division accounts are set up for this division. You cannot change the division.

Error Code	Description
51134	No invoice accounts are set up for this division. You cannot change the division.
51135	No revenue accounts are set up for this division. You cannot change the division.
51136	No close job accounts are set up for this division. You cannot change the division.
51137	No offset accounts are set up for this division. You cannot change the division.
51138	No overhead detail accounts are setup for this division. You cannot change the division.
52166	Job Cost default Gross Pay Offset account is not setup.
52179	Cannot change field @I_vExcludefromPOCCalc with existing record(s) in the JC_Invoice_Open table for this job.
52180	Cannot change field @I_vExcludefromPOCCalc with existing Actual Total Costs for the job.
52181	Cannot change field @I_vExcludefromPOCCalc with Actual Labor Units TTD > 0 for the job.
10003	Create Date is not in a fiscal year
51234	Project Number must be for an Active project.
52100	The description field is blank.
51111	The division does not exist in the division setup table.
51112	The customer does not exist in the customer setup table.



Error Code	Description
51113	The address code does not exist in the customer master address table.
51114	The billing address does not exist in the customer master address table.
51115	The tax schedule ID does not exist in the tax schedule table.
51116	The project number does not exist in the project setup table.
51117	The estimator does not exist in the payroll master table.
51118	The project manager does not exist in the payroll master table.
51119	The SUTA State does not exist in the payroll unemployment setup table.
51120	The local tax does not exist in the payroll local tax setup table.
51121	The rate class does not exist in the rate class setup table.
51122	Verify certified payroll on the posting setup window before import the job.
51064	Procedure jcVerifyTRXDate failed on invalid date. Year cannot be 1900.
51065	Procedure jcVerifyTRXDate failed. Parameter: Series, Origin, or Date cannot be null.

## wsiJCVendorMaster

- [Table Name: JC01501 \(page 123\)](#)
- [Error Codes \(page 130\)](#)

### Table Name: JC01501

**Description:**

Describe what the WSI procedure does in regards to a business goal.

Element Name	Data Type	Length	Required	Default	Description
@I_vWSJobNumber	char	17	Yes		Required
@I_vWSProjectNumber	char	17	No		
@I_vVendorID	char	15	Yes		Required
@I_vVendorName	char	65	No		
@I_vLineSEQNumber	numeric	19,5	No		
@I_vAddressCode	char	15	No		Required
@I_vRetentionPct	numeric	19,5	No		
@I_vModRate	smallint	5	No		
@I_vPostingStatus	smallint	5	No		
@I_vPurchaseOrderNumber	char	21	No		
@I_vContractDate	datetime		No		
@I_vVendorContractType	smallint	5	No		
@I_vInsuranceCertificateonFile	tinyint	3	No		
@I_vInsuranceExpirationDate	datetime		No		
@I_vBonded	tinyint	3	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vRetentionWithheldTTD	numeric	19,5	No		
@I_vApplyDocPaidTTD	numeric	19,5	No		
@I_vOriginalContractAmount	numeric	19,5	No		
@I_vChangeOrdersTTD	numeric	19,5	No		
@I_vContracttoDate	numeric	19,5	No		
@I_vLienWaiveronFile	tinyint	3	No		
@I_vSubmittals	tinyint	3	No		
@I_vVendorInvoicesTTD	numeric	19,5	No		
@I_vActualUnitsTTD	numeric	19,5	No		
@I_vSubmitDate	datetime		No		
@I_vResubmitDate	datetime		No		
@I_vApprovedDate	datetime		No		
@I_vDisapprovedDate	datetime		No		
@I_vHold	tinyint	3	No		
@I_vWorkersComp	char	7	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vMaximumRetentionPercent	numeric	19,5	No		
@I_vMaximumRetentionToWithhold	numeric	19,5	No		
@I_vMaximumRetentionType	smallint	5	No		
@I_vJCCISVerificationNumber	char	15	No		
@I_vJCCCheckBox1	tinyint	3	No		
@I_vJCCCheckBox2	tinyint	3	No		
@I_vJCCCheckBox3	tinyint	3	No		
@I_vJCCCheckBox4	tinyint	3	No		
@I_vJCCCheckBox5	tinyint	3	No		
@I_vJCCCheckBox6	tinyint	3	No		
@I_vJCCCheckBox7	tinyint	3	No		
@I_vJCCCheckBox8	tinyint	3	No		
@I_vJCCCheckBox9	tinyint	3	No		
@I_vJCCCheckBox10	tinyint	3	No		
@I_vUserID	char	15	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefine1	char	31	No		
@I_vUserDefine2	char	31	No		
@I_vUserDefine3	char	31	No		
@I_vUserDefine4	char	31	No		
@I_vUserDefine5	char	31	No		
@I_vUserDefine6	char	31	No		
@I_vUserDefined1	char	21	No		
@I_vUserDefined2	char	21	No		
@I_vUserDefinedCB1	tinyint	3	No		
@I_vUserDefinedCB2	tinyint	3	No		
@I_vUserDefinedCB3	tinyint	3	No		
@I_vUserDefinedCB4	tinyint	3	No		
@I_vUserDefinedDate1	datetime		No		
@I_vUserDefinedDate2	datetime		No		
@I_vWSUserDefinedDate3	datetime		No		
@I_vWSUserDefinedDate4	datetime		No		

Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefinedDollar1	numeric	19,5	No		
@I_vUserDefinedDollar2	numeric	19,5	No		
@I_vUserDefinedDollar3	numeric	19,5	No		
@I_vUserDefinedDollar4	numeric	19,5	No		
@I_vUserDefinedInteger1	int	10	No		
@I_vUserDefinedInteger2	int	10	No		
@I_vUserDefinedInteger3	int	10	No		
@I_vUserDefinedInteger4	int	10	No		
@I_vWensoftAffiliate	char	15	No		
@I_vWensoftBranch	char	15	No		
@I_vWensoftRegion	char	15	No		
@I_vWSReservedCB1	tinyint	3	No		
@I_vWSReservedCB2	tinyint	3	No		
@I_vWSReservedCB3	tinyint	3	No		
@I_vWSReservedCB4	tinyint	3	No		
@I_vWSReservedCB5	tinyint	3	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vWSReservedSTR1	char	11	No		
@I_vWSReservedSTR2	char	11	No		
@I_vDEXROWID	int	10	No		
@I_vUpdateIfExists	tinyint	3	Yes	0	
@I_vWennSoftTablesOnly	tinyint	3	Yes	0	
@I_vOnlyValidate	tinyint	3	Yes	0	
@I_vUSRDEFND1	char	50	No		
@I_vUSRDEFND2	char	50	No		
@I_vUSRDEFND3	char	50	No		
@I_vUSRDEFND4	varchar	8000	No		
@I_vUSRDEFND5	varchar	8000	No		
@I_vReturnErrorText	tinyint	3	No	1	
@O_iErrorState	int	10	No	0	
@oErrString	varchar	255	No		

## Error Codes

Error Code	Description
51202	The job is blank.
52173	The Vendor ID is invalid.
52189	Address Code field is empty.
52289	The Vendor ID is blank.
52290	Address Code is invalid.
52291	Vendor contract type is invalid.

## wsiJobCostInvoiceOPEN

- [Table: JC20501 \(page 130\)](#)
- [Error Codes \(page 141\)](#)

### Table: JC20501

**Description:** Creates a record in JC20501. Performs validations on input parameters and defaults in values as necessary when the user provided value is null. Stored procedures in "PROCEDURES CALLED" are used to create Dynamics GP records and update Job Cost records as necessary.

Element Name	Data Type	Length	Required	Default	Description
@I_vAccountAmount	numeric	19,5			
@I_vActEquipmentCostTT DMarkup	numeric	19,5			
@I_vActLaborCostTTDMar kup	numeric	19,5			



Element Name	Data Type	Length	Required	Default	Description
@I_vActMaterialsCostTTD Markup	numeric	19,5			
@I_vActMiscOtherCostTTD Markup	numeric	19,5			
@I_vActSubsCostTTD Markup	numeric	19,5			
@I_vActUserDefined1TTD Markup	numeric	19,5			
@I_vActUserDefined2TTD Markup	numeric	19,5			
@I_vActUserDefined3TTD Markup	numeric	19,5			
@I_vActUserDefined4TTD Markup	numeric	19,5			
@I_vAddressCode	char	15			
@I_vAmountReceived	numeric	19,5			
@I_vBatchNumber	char	15			
@I_vBatchSource	char	15			
@I_vBill	tinyint				
@I_vBilledAmountTTD	numeric	19,5			
@I_vBilledEquipmentCostTTD Markup	numeric	19,5			

Element Name	Data Type	Length	Required	Default	Description
@I_vBilledLaborCostTTDMarkup	numeric	19,5			
@I_vBilledMaterialsCostTTDMarkup	numeric	19,5			
@I_vBilledMisc1TTD	numeric	19,5			
@I_vBilledMisc2TTD	numeric	19,5			
@I_vBilledMisc3TTD	numeric	19,5			
@I_vBilledMisc4TTD	numeric	19,5			
@I_vBilledMisc5TTD	numeric	19,5			
@I_vBilledMiscOtherCostTTDMarkup	numeric	19,5			
@I_vBilledSubsCostTTDMarkup	numeric	19,5			
@I_vBilledUserDefined1TTDMarkup	numeric	19,5			
@I_vBilledUserDefined2TTDMarkup	numeric	19,5			
@I_vBilledUserDefined3TTDMarkup	numeric	19,5			
@I_vBilledUserDefined4TTDMarkup	numeric	19,5			
@I_vCashAmount	numeric	19,5			

Element Name	Data Type	Length	Required	Default	Description
@I_vCashRemainingAmount	numeric	19,5			
@I_vChangedSincePrintingFlag	tinyint				
@I_vCommentID	char	15			
@I_vCommissionEarnings	numeric	19,5			
@I_vCommissionPercent	smallint				
@I_vCurrencyID	char	15			
@I_vCurrentBillEquipment	numeric	19,5			
@I_vCurrentBillLabor	numeric	19,5			
@I_vCurrentBillMaterials	numeric	19,5			
@I_vCurrentBillMiscOther	numeric	19,5			
@I_vCurrentBillSubs	numeric	19,5			
@I_vCurrentBillUserDefined1	numeric	19,5			
@I_vCurrentBillUserDefined2	numeric	19,5			
@I_vCurrentBillUserDefined3	numeric	19,5			

Element Name	Data Type	Length	Required	Default	Description
@I_vCurrentBillUserDefined4	numeric	19,5			
@I_vCurrentDueEquipment	numeric	19,5			
@I_vCurrentDueLabor	numeric	19,5			
@I_vCurrentDueMaterials	numeric	19,5			
@I_vCurrentDueMiscOther	numeric	19,5			
@I_vCurrentDueSubs	numeric	19,5			
@I_vCurrentDueUserDefined1	numeric	19,5			
@I_vCurrentDueUserDefined2	numeric	19,5			
@I_vCurrentDueUserDefined3	numeric	19,5			
@I_vCurrentDueUserDefined4	numeric	19,5			
@I_vCustomerNumber	char	15			
@I_vCustomerPONumber	char	21			
@I_vDatePaid	datetime				
@I_vDiscountDate	datetime				

Element Name	Data Type	Length	Required	Default	Description
@I_vDocumentAmount	numeric	19,5			
@I_vDocumentDate	datetime				
@I_vDocumentNumber	char	21			
@I_vDocumentType	smallint				
@I_vDueDate	datetime				
@I_vDynamicsStatus	char	5			
@I_vFreightTaxAmount	numeric	19,5			
@I_vGLPostingDate	datetime				
@I_vInvoiceDescription	text				
@I_vInvoiceStyle	smallint				
@I_vMiscTaxAmount	numeric	19,5			
@I_vNoTimesPrinted	smallint				
@I_vOnlyValidate	tinyint				
@I_vOriginatingBilledAmountTTD	numeric	19,5			
@I_vOriginatingDocumentAmount	numeric	19,5			

Element Name	Data Type	Length	Required	Default	Description
@I_vOriginatingMiscTaxAmount	numeric	19,5			
@I_vOriginatingRetentionAmountTTD	numeric	19,5			
@I_vOriginatingRetentionBilledTTD	numeric	19,5			
@I_vOriginatingSubtotal	numeric	19,5			
@I_vOriginatingTaxAmount	numeric	19,5			
@I_vOriginatingTradeDiscountAmount	numeric	19,5			
@I_vPaymentTermsID	char	21			
@I_vPostDate	datetime				
@I_vPostingStatus	smallint				
@I_vPostUserID	char	15			
@I_vPrintedDate	datetime				
@I_vReimbursable	tinyint				
@I_vRetentionAmountTTD	numeric	19,5			
@I_vRetentionBilledTTD	numeric	19,5			
@I_vReturnErrorText	tinyint				

Element Name	Data Type	Length	Required	Default	Description
@I_vRMDocumentNumber WORK	char	17			
@I_vRMDocumentTypeAll	smallint				
@I_vSalespersonID	char	15			
@I_vSalesTerritory	char	15			
@I_vSubtotal	numeric	19,5			
@I_vSVLanguageID	smallint				
@I_vTaxAmount	numeric	19,5			
@I_vTaxAmount1	numeric	19,5			
@I_vTaxAmount2	numeric	19,5			
@I_vTaxAmount3	numeric	19,5			
@I_vTaxAmount4	numeric	19,5			
@I_vTaxDate	datetime				
@I_vTaxDetailID	char	15			
@I_vTaxDetailID1	char	15			
@I_vTaxDetailID2	char	15			
@I_vTaxDetailID3	char	15			

Element Name	Data Type	Length	Required	Default	Description
@I_vTaxDetailID4	char	15			
@I_vTaxScheduleID	char	15			
@I_vTimeZone	char	3			
@I_vTradeDiscountAmount	numeric	19,5			
@I_vTRXSource	char	13			
@I_vUpdateIfExists	tinyint				
@I_vUserDefine1	char	31			
@I_vUserDefine2	char	31			
@I_vUserDefined1	char	21			
@I_vUserDefined2	char	21			
@I_vUserDefinedCB1	tinyint				
@I_vUserDefinedCB2	tinyint				
@I_vUserDefinedCB3	tinyint				
@I_vUserDefinedCB4	tinyint				
@I_vUserDefinedDate1	datetime				
@I_vUserDefinedDate2	datetime				



Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefinedDollar1	numeric	19,5			
@I_vUserDefinedDollar2	numeric	19,5			
@I_vUserDefinedDollar3	numeric	19,5			
@I_vUserDefinedDollar4	numeric	19,5			
@I_vUserDefinedInteger1	int				
@I_vUserDefinedInteger2	int				
@I_vUserDefinedInteger3	int				
@I_vUserDefinedInteger4	int				
@I_vUserID	char	15			
@I_vUSRDEFND1	char	50			
@I_vUSRDEFND2	char	50			
@I_vUSRDEFND3	char	50			
@I_vUSRDEFND4	varchar	8000			
@I_vUSRDEFND5	varchar	8000			
@I_vWensoftAffiliate	char	15			
@I_vWensoftBranch	char	15			

Element Name	Data Type	Length	Required	Default	Description
@I_vWennsoftRegion	char	15			
@I_vWennSoftTablesOnly	tinyint				
@I_vWSApplicationNumber	char	5			
@I_vWSJobNumber	char	17			
@I_vWSProjectNumber	char	17			
@I_vWSReservedCB1	tinyint				
@I_vWSReservedCB2	tinyint				
@I_vWSReservedCB3	tinyint				
@I_vWSReservedCB4	tinyint				
@I_vWSReservedCB5	tinyint				
@I_vWSReservedSTR1	char	11			
@I_vWSReservedSTR2	char	11			
@I_vWSUserDefinedDate3	datetime				
@I_vWSUserDefinedDate4	datetime				
@O_iErrorState	int				
@oErrString	varchar	255			

## Error Codes

Error Code	Description
1	The document number exists in table RM_Sales_WORK (RM10301).
51017	The Job does not exist in Signature.
51094	Job is inactive.
52279	The project number is not assigned to the job.
52322	The batch source must be RM_Sales.
52338	The customer number does not exist.
52339	The customer address does not exist.
52343	The sales person does not exist.
52345	Tax detail id 1 does not exist.
52346	Tax detail id 2 does not exist.
52347	Tax detail id 3 does not exist.
52348	Tax detail id 4 does not exist.
52432	'Tax Schedule ID does not exists in TX00101 (TX_Schedule_MSTR_HDR).'
52434	Payment Terms ID does not exists in SY03300 (SY_Payment_Terms_MSTR).
52435	Sales Territory does not exists in RM00303 (RM_Sales_Territory_MSTR).

Error Code	Description
52445	The project standard billing type cannot be used for job invoices.
52446	The sop billing type cannot be used for job invoices.
52447	The project bill code billing type cannot be used for job invoices.
52448	The project transaction level billing type cannot be used for job invoices.
52449	The project allocated revenue billing type cannot be used for job invoices.
52450	The project type of project standard billing can only be used on project invoices.
52451	The project type of project bill code can only be used on project invoices.
52452	The project type of cost plus billing can only be used on project invoices.
52453	The project type of project allocated revenue can only be used on project invoices.
52454	The parameter @I_vRMDocumentNumberWORK exists in table JC_Invoice_WORK (JC10501).
52455	The parameter @I_vRMDocumentNumberWORK exists in table JC_Invoice_OPEN (JC20501).
52456	The parameter @I_vRMDocumentNumberWORK exists in table JC_Invoice_HIST (JC30501).
52457	The parameter @I_vWSApplicationNumber (WS Application Number) exists for the job in table JC_Invoice_WORK (JC10501).
52458	The parameter @I_vWSApplicationNumber (WS Application Number) exists for the job in table JC_Invoice_OPEN (JC20501).

Error Code	Description
52459	The parameter @I_vWSApplicationNumber (WS Application Number) exists for the job in table JC_Invoice_HIST (JC30501).
52460	Parameter @I_vBilledAmountTTD is not equal to the sum of the current bill amounts.
52461	Parameter @I_vBilledAmountTTD is not equal to the @I_vSubtotal minus @I_vRetentionBilledTTD plus @I_vRetentionAmountTTD.
52464	The @I_vBilledAmountTTD is not equal to the sum of the current bill amounts.
52465	@I_vCurrentBillLabor exceeds @I_vCurrentDueLabor.
52466	@I_vCurrentBillMaterials exceeds @I_vCurrentDueMaterials.
52467	@I_vCurrentBillEquipment exceeds @I_vCurrentDueEquipment.
52468	@I_vCurrentBillSubs exceeds @I_vCurrentDueSubs.
52469	@I_vCurrentBillMiscOther exceeds @I_vCurrentDueMiscOther.
52470	@I_vCurrentBillUserDefined1 exceeds @I_vCurrentDueUserDefined1.
52471	@I_vCurrentBillUserDefined2 exceeds @I_vCurrentDueUserDefined2.
52472	@I_vCurrentBillUserDefined3 exceeds @I_vCurrentDueUserDefined3.
52473	@I_vCurrentBillUserDefined4 exceeds @I_vCurrentDueUserDefined4.
52474	Error updating record in table JC_Invoice_OPEN (JC20501).
52475	Error inserting record in table JC_Invoice_OPEN (JC20501).

Error Code	Description
52476	Parameter @I_vRetentionBilledTTD (Retention Due) exceeds the retention withheld on the job.
52477	The net billing plus the current document amount exceeds the expected contract on the job.
52559	'Parameter @I_vDocumentNumber must equal parameter @I_vRMDocumentNumberWORK.'
52561	Parameter @I_vRMDocumentTypeAll must be 1 (Invoice) or 7 (Credit Memo).
52562	Parameter @I_vDocumentType must be 1 (invoice) or 2 (credit memo).
52563	Parameter @I_vAccountAmount does not equal parameter @I_vDocumentAmount.
52564	$(@I_vFreightTaxAmount + @I_vMiscTaxAmount + @I_vTaxAmount) <> (@I_vDocumentAmount - @I_vSubtotal)$
52565	Currency ID does not exist in table DYNAMICS..MC40200 (MC_Currency_Setup).
52566	Parameter @I_vOriginatingTaxAmount is not equal to parameter @I_vTaxAmount.
52567	Parameter @I_vOriginatingDocumentAmount does not equal parameter @I_vDocumentAmount.
52572	Parameter @I_vRMDocumentNumberWORK is empty and must contain a value.
52573	'Parameter @I_vTRXSource must contain a non-empty string value.'
52574	'Parameter @I_vDynamicsStatus must contain the string value P.'

Error Code	Description
52575	Parameter @I_vBatchNumber must contain a non-empty string value.
52576	Parameter @I_vTRXSource does not equal the transaction source assigned to the invoice in receivables management.
52577	Parameter @I_vBatchNumber does not equal the batch number assigned to the invoice in receivables management.
52578	Parameter @I_vBatchSource does not equal the batch source assigned to the invoice in receivables management.
52579	Parameter @I_vAccountAmount does not equal the current transaction amount assigned to the invoice in receivables management.
52580	Parameter @I_vPaymentTermsID does not equal the current payment terms id assigned to the invoice in receivables management.
52581	Parameter @I_vPaymentTermsID must be a non-empty string value.
52582	Parameter @I_vTaxScheduleID does not equal the current tax schedule id assigned to the invoice in receivables management.
52583	Parameter @I_vCashAmount does not equal the current cash amount assigned to the invoice in receivables management.
52584	Parameter @I_vDocumentDate does not equal the current document date assigned to the invoice in receivables management.
52585	Parameter @I_vDocumentDate must contain a non-empty date value.
52587	Parameter @I_vPostUserID does not equal the current post user id assigned to the invoice in receivables management.
52588	Parameter @I_vGLPostingDate does not equal the current GL posting date assigned to the invoice in receivables management.

Error Code	Description
52589	Parameter @I_vCustomerNumber does not equal the current customer number assigned to the invoice in receivables management.
52590	Parameter @I_vCustomerNumber must contain a non-empty string value.
52591	The @I_vAddressCode must contain a non-empty string value.
52592	Parameter @I_vAddressCode does not equal the current address code assigned to the invoice in receivables management.
52593	Parameter @I_vSalespersonID does not equal the current sales person assigned to the invoice in receivables management.
52594	Parameter @I_vSalesTerritory does not equal the current sales territory assigned to the invoice in receivables management.
52595	Parameter @I_vSalesTerritory contains a value but @I_vSalesPersonID is empty.
52596	Parameter @I_vCustomerPONumber does not equal the current customer purchase order number assigned to the invoice in receivables management.
52597	Parameter @I_vTradeDiscountAmount does not equal the current trade discount amount assigned to the invoice in receivables management.
52598	Parameter @I_vDiscountDate does not equal the current trade discount date assigned to the invoice in receivables management.
52599	Parameter @I_vDueDate does not equal the current due date assigned to the invoice in receivables management.
52600	Parameter @I_vFreightTaxAmount does not equal the current freight tax amount assigned to the invoice in receivables management.
52601	Parameter @I_vMiscTaxAmount does not equal the current miscellaneous tax amount assigned to the invoice in receivables management.



Error Code	Description
52602	Parameter @l_vTaxAmount does not equal the current tax amount assigned to the invoice in receivables management.
52603	Parameter @l_vTaxAmount1 does not equal the current tax amount assigned to the invoice in RM10301 or RM30601.
52604	Parameter @l_vTaxAmount2 does not equal the current tax amount assigned to the invoice in RM10301 or RM30601.
52605	Parameter @l_vTaxAmount3 does not equal the current tax amount assigned to the invoice in RM10301 or RM30601.
52606	Parameter @l_vTaxAmount4 does not equal the current tax amount assigned to the invoice in RM10301 or RM30601.
52607	Parameter @l_vTaxDetailID1 does not equal the current tax amount assigned to the invoice in RM10301 or RM30601.
52608	Parameter @l_vTaxDetailID2 does not equal the current tax amount assigned to the invoice in RM10301 or RM30601.
52609	Parameter @l_vTaxDetailID3 does not equal the current tax amount assigned to the invoice in RM10301 or RM30601.
52610	Parameter @l_vTaxDetailID4 does not equal the current tax amount assigned to the invoice in RM10301 or RM30601.
52611	Parameter @l_vDocumentAmount does not equal the current transaction amount assigned to the invoice in receivables management.
52612	Parameter @l_vSubtotal does not equal the current sales amount assigned to the invoice in receivables management.
52613	Parameter @l_vCurrencyID does not equal the current currency id assigned to the invoice in receivables management.

Error Code	Description
52614	Parameter @I_vPostDate does not equal the current post date assigned to the invoice in receivables management.

## wsiJobCostInvoiceScheduleOPEN

- [Table: JC20503 \(page 148\)](#)
- [Error Codes \(page 153\)](#)

### Table: JC20503

Element Name	Data Type	Length	Required	Default	Description
@I_vAccountIndex	int				
@I_vBatchNumber	char	15			
@I_vBatchSource	char	15			
@I_vBillCodeNumber	char	27			
@I_vBilledAmount	numeric	19,5			
@I_vBillPct	smallint				
@I_vCommentID	char	15			
@I_vCostElement	smallint				
@I_vCurrentBill	numeric	19,5			
@I_vCurrentDue	numeric	19,5			
@I_vLineSEQNumber	numeric	19,5			

Element Name	Data Type	Length	Required	Default	Description
@I_vOnlyValidate	tinyint				
@I_vOriginatingBilledAmount	numeric	19,5			
@I_vOriginatingCurrentBill	numeric	19,5			
@I_vOriginatingCurrentDue	numeric	19,5			
@I_vOriginatingRetentionAmount	numeric	19,5			
@I_vOriginatingScheduleValue	numeric	19,5			
@I_vOriginatingWorkInPlace	numeric	19,5			
@I_vRetentionAmount	numeric	19,5			
@I_vRetentionBilled	numeric	19,5			
@I_vReturnErrorText	tinyint				
@I_vRMDocumentNumberWORK	char	17			
@I_vRMDocumentTypeAll	smallint				
@I_vScheduleValue	numeric	19,5			
@I_vStoredMaterials	numeric	19,5			

Element Name	Data Type	Length	Required	Default	Description
@I_vSVLanguageID	smallint				
@I_vTimeZone	char	3			
@I_vUnitsBillable	numeric	19,5			
@I_vUnitsBilledTTD	numeric	19,5			
@I_vUnitsBillingRate	numeric	19,5			
@I_vUpdateIfExists	tinyint				
@I_vUserDefine1	char	31			
@I_vUserDefine2	char	31			
@I_vUserDefined1	char	21			
@I_vUserDefined2	char	21			
@I_vUserDefinedCB1	tinyint				
@I_vUserDefinedCB2	tinyint				
@I_vUserDefinedCB3	tinyint				
@I_vUserDefinedCB4	tinyint				
@I_vUserDefinedDate1	datetime				
@I_vUserDefinedDate2	datetime				

Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefinedDollar1	numeric	19,5			
@I_vUserDefinedDollar2	numeric	19,5			
@I_vUserDefinedDollar3	numeric	19,5			
@I_vUserDefinedDollar4	numeric	19,5			
@I_vUserDefinedInteger1	int				
@I_vUserDefinedInteger2	int				
@I_vUserDefinedInteger3	int				
@I_vUserDefinedInteger4	int				
@I_vUserID	char	15			
@I_vUSRDEFND1	char	50			
@I_vUSRDEFND2	char	50			
@I_vUSRDEFND3	char	50			
@I_vUSRDEFND4	varchar	8000			
@I_vUSRDEFND5	varchar	8000			
@I_vWensoftAffiliate	char	15			
@I_vWensoftBranch	char	15			

Element Name	Data Type	Length	Required	Default	Description
@I_vWennsoftRegion	char	15			
@I_vWennSoftTablesOnly	tinyint				
@I_vWorkInPlace	numeric	19,5			
@I_vWSJobNumber	char	17			
@I_vWSReservedCB1	tinyint				
@I_vWSReservedCB10	tinyint				
@I_vWSReservedCB2	tinyint				
@I_vWSReservedCB3	tinyint				
@I_vWSReservedCB4	tinyint				
@I_vWSReservedCB5	tinyint				
@I_vWSReservedCB6	tinyint				
@I_vWSReservedCB7	tinyint				
@I_vWSReservedCB8	tinyint				
@I_vWSReservedCB9	tinyint				
@I_vWSReservedSTR1	char	11			
@I_vWSReservedSTR2	char	11			

Element Name	Data Type	Length	Required	Default	Description
@I_vWSUserDefinedDate 3	datetime				
@I_vWSUserDefinedDate 4	datetime				
@O_iErrorState	int				
@oErrString	varchar	255			

## Error Codes

Error Code	Description
51013	The Job Number parameter is missing or blank.
51017	The Job does not exist in Signature.
51089	The Cost Element must be in the range of 1 to 9.
51094	Job is inactive.
52322	The batch source must be RM_Sales.
52484	The bill code number parameter is missing or blank.
52561	Parameter @I_vRMDocumentTypeAll must be 1 (Invoice) or 7 (Credit Memo).
52572	Parameter @I_vRMDocumentNumberWORK is empty and must contain a value.
52575	Parameter @I_vBatchNumber must contain a non-empty string value.

Error Code	Description
52615	An invoice does not exist in table JC_Invoice_OPEN (JC20501).
52615	An invoice does not exist in table JC_Invoice_OPEN (JC20501).
52616	A credit memo does not exist in table JC_Invoice_OPEN (JC20501).
52617	The job billing type must be 2 (User Defined) or 3 (Cost Code) to import into table JC_Invoice_Schedule_OPEN (JC20503).
52618	The bill code number does not exist in table JC_Billing_Codes_MSTR (JC00601).
52619	The line sequence number must be a multiple of 16384.
52620	The line sequence number is already used in table JC_Invoice_Schedule_OPEN (JC20503) for the job and document number.
52621	Parameter @I_vScheduleValue does not equal the total billable amount in table JC_Billing_Codes_MSTR (JC00601).
52622	Parameter @I_vBilledAmount does not equal the bill amount in table JC_Billing_Codes_MSTR (JC00601).
52623	Parameter @I_vCurrentDue does not equal the total billable amount minus the billed amount total to date in table JC_Billing_Codes_MSTR (JC00601).
52624	Document does not exist in table JC_Invoice_OPEN (JC20501).
52625	Parameter @I_vCurrentBill plus current billing in table JC_Invoice_Schedule_OPEN (JC20503) exceeds the current billable labor amount in table JC_Invoice_OPEN (JC20501).
52626	Parameter @I_vCurrentBill plus current billing in table JC_Invoice_Schedule_OPEN (JC20503) exceeds the current billable materials amount in table JC_Invoice_OPEN (JC20501).



Error Code	Description
52627	Parameter @I_vCurrentBill plus current billing in table JC_Invoice_Schedule_OPEN (JC20503) exceeds the current billable equipment amount in table JC_Invoice_OPEN (JC20501).
52628	Parameter @I_vCurrentBill plus current billing in table JC_Invoice_Schedule_OPEN (JC20503) exceeds the current billable subcontractor amount in table JC_Invoice_OPEN (JC20501).
52629	Parameter @I_vCurrentBill plus current billing in table JC_Invoice_Schedule_OPEN (JC20503) exceeds the current billable miscellaneous amount in table JC_Invoice_OPEN (JC20501).
52630	Parameter @I_vCurrentBill plus current billing in table JC_Invoice_Schedule_OPEN (JC20503) exceeds the current billable user defined 1 amount in table JC_Invoice_OPEN (JC20501).
52631	Parameter @I_vCurrentBill plus current billing in table JC_Invoice_Schedule_OPEN (JC20503) exceeds the current billable user defined 2 amount in table JC_Invoice_OPEN (JC20501).
52632	Parameter @I_vCurrentBill plus current billing in table JC_Invoice_Schedule_OPEN (JC20503) exceeds the current billable user defined 3 amount in table JC_Invoice_OPEN (JC20501).
52633	Parameter @I_vCurrentBill plus current billing in table JC_Invoice_Schedule_OPEN (JC20503) exceeds the current billable user defined 4 amount in table JC_Invoice_OPEN (JC20501).
52634	Parameters @I_vWorkInPlace plus @I_vStoredMaterials must equal @I_vCurrentBill.
52635	Parameter @I_vRetentionAmount plus the sum of retention withheld in table JC_Invoice_Schedule_OPEN (JC20503) exceeds the retention amount total to date in table JC_Invoice_OPEN (JC20501).
52636	'Error updating record in table JC_Invoice_Schedule_OPEN (JC20503).'
52637	'Error inserting record in table JC_Invoice_Schedule_OPEN (JC20503).'

## wsiJobInvoiceUpdateJCJobMSTRRecord

Element Name	Data Type	Length	Required	Default	Description
@I_vAccountAmount	numeric	19,5			
@I_vActEquipmentCostTTDMarkup	numeric	19,5			
@I_vActLaborCostTTDMarkup	numeric	19,5			
@I_vActMaterialsCostTTDMarkup	numeric	19,5			
@I_vActMiscOtherCostTTDMarkup	numeric	19,5			
@I_vActSubsCostTTDMarkup	numeric	19,5			
@I_vActUserDefined1TTDMarkup	numeric	19,5			
@I_vActUserDefined2TTDMarkup	numeric	19,5			
@I_vActUserDefined3TTDMarkup	numeric	19,5			
@I_vActUserDefined4TTDMarkup	numeric	19,5			
@I_vAddressCode	char	15			
@I_vAmountReceived	numeric	19,5			

Element Name	Data Type	Length	Required	Default	Description
@I_vBatchNumber	char	15			
@I_vBatchSource	char	15			
@I_vBill	tinyint				
@I_vBilledAmountTTD	numeric	19,5			
@I_vBilledEquipmentCost TTDMarkup	numeric	19,5			
@I_vBilledLaborCostTTD Markup	numeric	19,5			
@I_vBilledMaterialsCostTT DMarkup	numeric	19,5			
@I_vBilledMisc1TTD	numeric	19,5			
@I_vBilledMisc2TTD	numeric	19,5			
@I_vBilledMisc3TTD	numeric	19,5			
@I_vBilledMisc4TTD	numeric	19,5			
@I_vBilledMisc5TTD	numeric	19,5			
@I_vBilledMiscOtherCostT TMarkup	numeric	19,5			
@I_vBilledSubsCostTTDMa rkup	numeric	19,5			

Element Name	Data Type	Length	Required	Default	Description
@I_vBilledUserDefined1TT DMarkup	numeric	19,5			
@I_vBilledUserDefined2TT DMarkup	numeric	19,5			
@I_vBilledUserDefined3TT DMarkup	numeric	19,5			
@I_vBilledUserDefined4TT DMarkup	numeric	19,5			
@I_vCashAmount	numeric	19,5			
@I_vCashRemainingAmou nt	numeric	19,5			
@I_vChangedSincePrintin gFlag	tinyint				
@I_vCommentID	char	15			
@I_vCommissionEarnings	numeric	19,5			
@I_vCommissionPercent	smallint				
@I_vCurrencyID	char	15			
@I_vCurrentBillEquipment	numeric	19,5			
@I_vCurrentBillLabor	numeric	19,5			
@I_vCurrentBillMaterials	numeric	19,5			

Element Name	Data Type	Length	Required	Default	Description
@I_vCurrentBillMiscOther	numeric	19,5			
@I_vCurrentBillSubs	numeric	19,5			
@I_vCurrentBillUserDefined1	numeric	19,5			
@I_vCurrentBillUserDefined2	numeric	19,5			
@I_vCurrentBillUserDefined3	numeric	19,5			
@I_vCurrentBillUserDefined4	numeric	19,5			
@I_vCurrentDueEquipment	numeric	19,5			
@I_vCurrentDueLabor	numeric	19,5			
@I_vCurrentDueMaterials	numeric	19,5			
@I_vCurrentDueMiscOther	numeric	19,5			
@I_vCurrentDueSubs	numeric	19,5			
@I_vCurrentDueUserDefined1	numeric	19,5			
@I_vCurrentDueUserDefined2	numeric	19,5			
@I_vCurrentDueUserDefined3	numeric	19,5			

Element Name	Data Type	Length	Required	Default	Description
@I_vCurrentDueUserDefined4	numeric	19,5			
@I_vCustomerNumber	char	15			
@I_vCustomerPONumber	char	21			
@I_vDatePaid	datetime				
@I_vDiscountDate	datetime				
@I_vDocumentAmount	numeric	19,5			
@I_vDocumentDate	datetime				
@I_vDocumentNumber	char	21			
@I_vDocumentType	smallint				
@I_vDueDate	datetime				
@I_vDynamicsStatus	char	5			
@I_vFreightTaxAmount	numeric	19,5			
@I_vGLPostingDate	datetime				
@I_vInvoiceDescription	text				
@I_vInvoiceStyle	smallint				
@I_vMiscTaxAmount	numeric	19,5			

Element Name	Data Type	Length	Required	Default	Description
@I_vNoTimesPrinted	smallint				
@I_vOnlyValidate	tinyint				
@I_vOriginatingBilledAmountTTD	numeric	19,5			
@I_vOriginatingDocumentAmount	numeric	19,5			
@I_vOriginatingMiscTaxAmount	numeric	19,5			
@I_vOriginatingRetentionAmountTTD	numeric	19,5			
@I_vOriginatingRetentionBilledTTD	numeric	19,5			
@I_vOriginatingSubtotal	numeric	19,5			
@I_vOriginatingTaxAmount	numeric	19,5			
@I_vOriginatingTradeDiscountAmount	numeric	19,5			
@I_vPaymentTermsID	char	21			
@I_vPostDate	datetime				
@I_vPostingStatus	smallint				
@I_vPostUserID	char	15			

Element Name	Data Type	Length	Required	Default	Description
@I_vPrintedDate	datetime				
@I_vReimbursable	tinyint				
@I_vRetentionAmountTTD	numeric	19,5			
@I_vRetentionBilledTTD	numeric	19,5			
@I_vReturnErrorText	tinyint				
@I_vRMDocumentNumber WORK	char	17			
@I_vRMDocumentTypeAll	smallint				
@I_vSalespersonID	char	15			
@I_vSalesTerritory	char	15			
@I_vSubtotal	numeric	19,5			
@I_vSVLanguageID	smallint				
@I_vTaxAmount	numeric	19,5			
@I_vTaxAmount1	numeric	19,5			
@I_vTaxAmount2	numeric	19,5			
@I_vTaxAmount3	numeric	19,5			
@I_vTaxAmount4	numeric	19,5			



Element Name	Data Type	Length	Required	Default	Description
@I_vTaxDate	datetime				
@I_vTaxDetailID	char	15			
@I_vTaxDetailID1	char	15			
@I_vTaxDetailID2	char	15			
@I_vTaxDetailID3	char	15			
@I_vTaxDetailID4	char	15			
@I_vTaxScheduleID	char	15			
@I_vTimeZone	char	3			
@I_vTradeDiscountAmount	numeric	19,5			
@I_vTRXSource	char	13			
@I_vUpdateIfExists	tinyint				
@I_vUserDefine1	char	31			
@I_vUserDefine2	char	31			
@I_vUserDefined1	char	21			
@I_vUserDefined2	char	21			
@I_vUserDefinedCB1	tinyint				

Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefinedCB2	tinyint				
@I_vUserDefinedCB3	tinyint				
@I_vUserDefinedCB4	tinyint				
@I_vUserDefinedDate1	datetime				
@I_vUserDefinedDate2	datetime				
@I_vUserDefinedDollar1	numeric	19,5			
@I_vUserDefinedDollar2	numeric	19,5			
@I_vUserDefinedDollar3	numeric	19,5			
@I_vUserDefinedDollar4	numeric	19,5			
@I_vUserDefinedInteger1	int				
@I_vUserDefinedInteger2	int				
@I_vUserDefinedInteger3	int				
@I_vUserDefinedInteger4	int				
@I_vUserID	char	15			
@I_vUSRDEFND1	char	50			
@I_vUSRDEFND2	char	50			

Element Name	Data Type	Length	Required	Default	Description
@I_vUSRDEFND3	char	50			
@I_vUSRDEFND4	varchar	8000			
@I_vUSRDEFND5	varchar	8000			
@I_vWennsoftAffiliate	char	15			
@I_vWennsoftBranch	char	15			
@I_vWennsoftRegion	char	15			
@I_vWennSoftTablesOnly	tinyint				
@I_vWSApplicationNumber	char	5			
@I_vWSJobNumber	char	17			
@I_vWSProjectNumber	char	17			
@I_vWSReservedCB1	tinyint				
@I_vWSReservedCB2	tinyint				
@I_vWSReservedCB3	tinyint				
@I_vWSReservedCB4	tinyint				
@I_vWSReservedCB5	tinyint				
@I_vWSReservedSTR1	char	11			

Element Name	Data Type	Length	Required	Default	Description
@I_vWSReservedSTR2	char	11			
@I_vWSUserDefinedDate3	datetime				
@I_vWSUserDefinedDate4	datetime				
@O_iErrorState	int				
@oErrString	varchar	255			

## wsiMobileInventoryWork

### Table Name: WS20002

**Description:**

Describe what the WSI procedure does in regards to a business goal.

Element Name	Data Type	Length	Required	Default	Description
@I_vServiceCallID	char	17	No		
@I_vWSTransactionDate	datetime		No		
@I_vEquipmentID	char	31	No		
@I_vWSCostCode	int	10	No		
@I_vWSOtherCostSubCode	int	10	No		
@I_vItemNumber	char	31	No		
@I_vItemDescription	char	101	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vTRXQTY	numeric	19,5	No		
@I_vCostPerUnit	numeric	19,5	No		
@I_vBillableAmount	numeric	19,5	No		
@I_vInvoiced	tinyint	3	No		
@I_vUOfM	char	9	No		
@I_vLocationCode	char	11	No		
@I_veConnectErrorCode	int	10	No		
@I_vSerialNumber	char	21	No		
@I_vDEXROWID	int	10	Yes		
@I_vUpdateIfExists	tinyint	3	Yes	0	
@I_vWennSoftTablesOnly	tinyint	3	Yes	0	
@I_vOnlyValidate	tinyint	3	Yes	0	
@I_vUSRDEFND1	char	50	No		
@I_vUSRDEFND2	char	50	No		
@I_vUSRDEFND3	char	50	No		
@I_vUSRDEFND4	varchar	8000	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vUSRDEFND5	varchar	8000	No		
@I_vReturnErrorText	tinyint	3	No	1	
@O_iErrorState	int	10	No	0	
@oErrString	varchar	255	No		

## wsiMobilePurchaseOrderWork

### Table Name: WS20003

**Description:**

Describe what the WSI procedure does in regards to a business goal.

Element Name	Data Type	Length	Required	Default	Description
@I_vServiceCallID	char	17	Yes		
@I_vTechnician	char	11	Yes		
@I_vPONumber	char	17	Yes		
@I_vOrd	int	10	Yes		
@I_vWSTransactionDate	datetime		No		
@I_vVendorID	char	15	No		
@I_vVendorName	char	65	No		
@I_vItemNumber	char	31	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vItemDescription	char	101	No		
@I_vUOfM	char	9	No		
@I_vQTYOrdered	numeric	19,5	No		
@I_vUnitCost	numeric	19,5	No		
@I_vBillableAmount	numeric	19,5	No		
@I_vInvoiced	tinyint	3	No		
@I_vLocationCode	char	11	No		
@I_vWSCostCode	int	10	No		
@I_vProductIndicator	smallint	5	No		
@I_veConnectErrorCode	int	10	No		
@I_vDEXROWID	int	10	No		
@I_vUpdateIfExists	tinyint	3	Yes	0	
@I_vWennSoftTablesOnly	tinyint	3	Yes	0	
@I_vOnlyValidate	tinyint	3	Yes	0	
@I_vUSRDEFND1	char	50	No		
@I_vUSRDEFND2	char	50	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vUSRDEFND3	char	50	No		
@I_vUSRDEFND4	varchar	8000	No		
@I_vUSRDEFND5	varchar	8000	No		
@I_vReturnErrorText	tinyint	3	No	1	
@O_iErrorState	int	10	No	0	
@oErrString	varchar	255	No		

## wsIPMTransactionLine

### Table Name: WS10001

**Description:**

Describe what the WSI procedure does in regards to a business goal.

Element Name	Data Type	Length	Required	Default	Description
@I_vWSJobNumber	char	17	No		
@I_vJobTRXNumber	char	21	Yes		
@I_vLineSEQNumber"	numeric	19,5	Yes		
@I_vControlType	smallint	5	Yes		
@I_vApplyToVoucherNumber	char	21	Yes		
@I_vProductIndicator	smallint	5	No		



Element Name	Data Type	Length	Required	Default	Description
@I_vWensoftAffiliate	char	15	No		
@I_vWensoftRegion	char	15	No		
@I_vWensoftBranch	char	15	No		
@I_vWSProjectNumber	char	17	No		
@I_vWSCostCodeNumber 1	char	7	No		
@I_vWSCostCodeNumber 2	char	7	No		
@I_vWSCostCodeNumber 3	char	7	No		
@I_vWSCostCodeNumber 4	char	7	No		
@I_vCostElement	smallint	5	No		
@I_vWSCostCode	int	10	No		
@I_vWSOtherCostSubCode	int	10	No		
@I_vCostCodeDescription	char	31	No		
@I_vCustomerNumber	char	15	No		
@I_vAddressCode	char	15	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vAccountIndex	int	10	No		
@I_vDistributionType	smallint	5	No		
@I_vDocumentNumber	char	21	No		
@I_vTransactionDescription	char	31	No		
@I_vWSCreditAmount	numeric	19,5	No		
@I_vWSDebitAmount	numeric	19,5	No		
@I_vWSOriginatingCredit	numeric	19,5	No		
@I_vWSOriginatingDebit	numeric	19,5	No		
@I_vCurrencyID	char	15	No		
@I_vCurrencyIndex	smallint	5	No		
@I_vProfitTypeNumber	smallint	5	No		
@I_vProfitAmount	numeric	19,5	No		
@I_vTRXQTY	numeric	19,5	No		
@I_vDocumentDate	datetime		No		
@I_vDocumentType	smallint	5	No		
@I_vDocumentSource	char	3	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vGLPostingDate	datetime		No		
@I_vDocumentAmount	numeric	19,5	No		
@I_vJobType	char	7	No		
@I_vVendorID	char	15	No		
@I_vBatchNumber	char	15	No		
@I_vBatchSource	char	15	No		
@I_vPostingStatus	smallint	5	No		
@I_vSpecializedDistribution	smallint	5	Yes		
@I_vPurchaseOrderNumber	char	21	No		
@I_vVoucherNumberWORK	char	17	No		
@I_vBillingAmount	numeric	19,5	No		
@I_vEquipmentID	char	31	No		
@I_vItemNumber	char	31	No		
@I_vItemDescription	char	101	No		
@I_vCallInvoiceNumber	char	17	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vRateCalculationMethod	smallint	5	No		
@I_vExchangeRate	numeric	19,7	No		
@I_vDenominationExchangeRate	numeric	19,7	No		
@I_vDecimalPlaces	smallint	5	No		
@I_vIntercompanyID	char	5	No		
@I_vRateTypeID	char	15	No		
@I_vExchangeTableID	char	15	No		
@I_vExchangeDate	datetime		No		
@I_vTime	datetime		No		
@I_vExpirationDate	datetime		No		
@I_vMCTransactionState	smallint	5	No		
@I_vUOfM	char	9	No		
@I_vICCurrencyID	char	15	No		
@I_vICCurrencyIndex	smallint	5	No		
@I_vTaxDate	datetime		No		
@I_vUserID	char	15	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefine1	char	31	No		
@I_vUserDefine2	char	31	No		
@I_vUserDefined1	char	21	No		
@I_vUserDefined2	char	21	No		
@I_vUserDefinedInteger1	int	10	No		
@I_vUserDefinedInteger2	int	10	No		
@I_vUserDefinedInteger3	int	10	No		
@I_vUserDefinedInteger4	int	10	No		
@I_vUserDefinedDollar1	numeric	19,5	No		
@I_vUserDefinedDollar2	numeric	19,5	No		
@I_vUserDefinedDollar3	numeric	19,5	No		
@I_vUserDefinedDollar4	numeric	19,5	No		
@I_vUserDefinedDate1	datetime		No		
@I_vUserDefinedDate2	datetime		No		
@I_vWSUserDefinedDate3	datetime		No		
@I_vWSUserDefinedDate4	datetime		No		

Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefinedCB1	tinyint	3	No		
@I_vUserDefinedCB2	tinyint	3	No		
@I_vUserDefinedCB3	tinyint	3	No		
@I_vUserDefinedCB4	tinyint	3	No		
@I_vSVLanguageID	smallint	5	No		
@I_vTimeZone	char	3	No		
@I_vWSReservedCB1	tinyint	3	No		
@I_vWSReservedCB2	tinyint	3	No		
@I_vWSReservedCB3	tinyint	3	No		
@I_vWSReservedCB4	tinyint	3	No		
@I_vWSReservedCB5	tinyint	3	No		
@I_vWSReservedCB6	tinyint	3	No		
@I_vWSReservedCB7	tinyint	3	No		
@I_vWSReservedCB8	tinyint	3	No		
@I_vWSReservedCB9	tinyint	3	No		
@I_vWSReservedSTR1	char	11	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vWSReservedSTR2	char	11	No		
@I_vDEXROWID	int	10	No		
@I_vUpdateIfExists	tinyint	3	Yes	0	
@I_vWennSoftTablesOnly	tinyint	3	Yes	0	
@I_vOnlyValidate	tinyint	3	Yes	0	
@I_vUSRDEFND1	char	50	No		
@I_vUSRDEFND2	char	50	No		
@I_vUSRDEFND3	char	50	No		
@I_vUSRDEFND4	varchar	8000	No		
@I_vUSRDEFND5	varchar	8000	No		
@I_vReturnErrorText	tinyint	3	No	1	
@O_iErrorState	int	10	No	0	
@oErrString	varchar	255	No		

## wsSMSAppointment

- [Table: SV00301 \(page 178\)](#)
- [Error Codes \(page 182\)](#)

**Table: SV00301**

Element Name	Data Type	Length	Required	Default	Description
@I_vActualHours	int				
@I_vAppointment	char	25			
@I_vAppointmentDescription	char	51			
@I_vAppointmentGroupID	char	25			
@I_vAppointmentPriority	char	3			
@I_vAppointmentStatus	char	11			
@I_vAppointmentType	smallint				
@I_vCancelledReason	char	25			
@I_vCostCodeAlias	char	27			
@I_vCreatedDate	datetime				
@I_vCreatedUserID	char	15			
@I_vEstimateHours	int				
@I_vLaborOverride	tinyint				
@I_vOnlyValidate	tinyint				



Element Name	Data Type	Length	Required	Default	Description
@I_vOriginalTechnician	char	11			
@I_vReturnErrorText		tinyint			
@I_vServiceCallID	char	17			
@I_vServiceUserDefine1	char	21			
@I_vServiceUserDefine10	datetime				
@I_vServiceUserDefine11	datetime				
@I_vServiceUserDefine12	datetime				
@I_vServiceUserDefine18	tinyint				
@I_vServiceUserDefine19	tinyint				
@I_vServiceUserDefine2	char	21			
@I_vServiceUserDefine20	tinyint				
@I_vServiceUserDefine21	tinyint				
@I_vServiceUserDefine3	char	31			
@I_vServiceUserDefine4	char	31			
@I_vServiceUserDefine5	int				
@I_vServiceUserDefine6	int				

Element Name	Data Type	Length	Required	Default	Description
@I_vServiceUserDefine7	int				
@I_vServiceUserDefine8	int				
@I_vServiceUserDefine9	datetime				
@I_vSkillLevel	char	15			
@I_vSkipDoubleBookCheck	tinyint				
@I_vSkipShiftCheck	tinyint				
@I_vStartTime	datetime				
@I_vSVCompletionDate	datetime				
@I_vSVToolID	int				
@I_vTaskDate	datetime				
@I_vTechnician	char	11			
@I_vTechnicianStatus	char	17			
@I_vTimeEnteredCB	tinyint				
@I_vUpdateIfExists	tinyint				
@I_vUPRTRXCode	char	7			
@I_vUserDefined1	char	21			

Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefined2	char	21			
@I_vUserDefinedCB11	tinyint				
@I_vUserDefinedCB21	tinyint				
@I_vUserDefinedDate1	datetime				
@I_vUserDefinedDate2	datetime				
@I_vUserDefinedDollar11	numeric	19,5			
@I_vUserDefinedDollar21	numeric	19,5			
@I_vUSRDEFND1	char	50			
@I_vUSRDEFND2	char	50			
@I_vUSRDEFND3	char	50			
@I_vUSRDEFND4	varchar	8000			
@I_vUSRDEFND5	varchar	8000			
@I_vWennSoftTablesOnly	tinyint				
@I_vWSCostCode	int				
@I_vWSJobNumber	char	17			
@O_iErrorState	int				

Element Name	Data Type	Length	Required	Default	Description
@oErrString	varchar	255			

## Error Codes

Error Code	Description
52018	The Cost Code does not exist for the Job.
52143	The Technician does not exist.
52386	You have entered an invalid Appointment Type.
52387	The service call does not exist.
52388	The Technician Status does not exist.
52389	The Job Number does not exist.
52391	The Skill Level does not exist.
52392	The Appointment Status does not exist.
52393	The Tool ID does not exist.
52394	A shift conflict exists.
52395	A double booking conflict exists.
52396	The Appointment Master update has failed.
52396	The Appointment Master update has failed.

Error Code	Description
52398	Enter a valid Task Date.

## wsSMSContract

### Table Name: SV00500

**Other tables affected:** SV00564, SV00509, sv00510, SV00053

**Other stored procedures called:** wsiSMSContractPre.sql, wsiSMSContractPost.sql,

SMS\_Build\_Contract\_Billing\_Schedule.sql,

SMS\_Build\_Contract\_Billing\_SchedulePre.sql, SMS\_Build\_Contract\_Billing\_SchedulePost.sql,

SMS\_Build\_Contract\_Revenue\_Schedule.sql, SMS\_Build\_Contract\_Revenue\_SchedulePre.sql,

SMS\_Build\_Contract\_Revenue\_SchedulePost.sql

**Description:**

This procedure allows the insert of records into the contract master table. This procedure will call out to other procedures to generate the contract billing schedule and the revenue schedule. This procedure will also accommodate contracts with some defined starting balance amount and date and will create one posted record in the billing, revenue and invoice table to reflect this starting balance.

Element Name	Data Type	Length	Required	Default	Description
CustomerNumber	char	15	Yes		Validated
AddressCode	char	15	Yes		Validated
WSContractNumber	char	11	Yes		Validated
WSContractNumber Sequence	int	10	No	1	Validated
UserID	char	15	No		Not validated or used by core product
*TechnicianID	char	15	No		*Not validated or used by core product
TechnicianTeam	char	15	No		Not validated or used by core product

Element Name	Data Type	Length	Required	Default	Description
Technician	char	11	No		Validated
CorporateContractNumber	char	21	No		Validated
CorporateInvoiceNumber	char	17	No		
ContractAmount	numeric	19,5	No	0	
BillFreq	smallint	5	No	1	Validated - 1 monthly, 2 quarterly, 3 annual, 4 semi-annual, 6 every other month
StartingBalanceYTD	numeric	19,5	No	0	Validated
StartingBalanceTTD	numeric	19,5	No	0	Validated
StartingBalanceDate	datetime		No	1/1/1900'	Validated
AmountBilled0	numeric	19,5	No	0	
SalespersonID	char	15	No		Validated
AnnualContractValue	numeric	19,5	No	0	
RevenueRecognitionMethodID	smallint	5	No	0	
InvoiceStyle	smallint	5	No	0	
WSContractStartDate	datetime		Yes		Validated

Element Name	Data Type	Length	Required	Default	Description
ContractExpiration Date	datetime		Yes		Validated
ForecastOriginalEquipment	numeric	19,5	No	0	
ForecastOriginalLabor	numeric	19,5	No	0	
ForecastOriginalMaterial	numeric	19,5	No	0	
ForecastOriginalOther	numeric	19,5	No	0	
ForecastOriginalSubs	numeric	19,5	No	0	
ForecastOrigLabor1	numeric	19,5	No	0	
ForecastOrigLabor1 Hours	int	10	No	0	
ForecastOrigLabor2	numeric	19,5	No	0	
ForecastOrigLabor2 Hours	int	10	No	0	
ForecastOrigLabor3	numeric	19,5	No	0	
ForecastOrigLabor3 Hours	int	10	No	0	
ForecastOrigLabor4	numeric	19,5	No	0	

Element Name	Data Type	Length	Required	Default	Description
ForecastOrigLabor4 Hours	int	10	No	0	
ForecastOrigLabor5	numeric	19,5	No	0	
ForecastOrigLabor5 Hours	int	10	No	0	
ForecastOrigTotalLabor	numeric	19,5	No	0	
ForecastOrigTotalLaborHrs	int	10	No	0	
EstimateEquipment	numeric	19,5	No	0	
EstimateLabor	numeric	19,5	No	0	
EstimateMaterial	numeric	19,5	No	0	
EstimateSubs	numeric	19,5	No	0	
EstimateOther	numeric	19,5	No	0	
EstimateTotalCost	numeric	19,5	No	0	
EstimateHours	int	10	No	0	
EstimateLabor1	numeric	19,5	No	0	
EstimateLabor1Hours	int	10	No	0	
EstimateLabor2	numeric	19,5	No	0	



Element Name	Data Type	Length	Required	Default	Description
EstimateLabor2Hours	int	10	No	0	
EstimateLabor3	numeric	19,5	No	0	
EstimateLabor3Hours	int	10	No	0	
EstimateLabor4	numeric	19,5	No	0	
EstimateLabor4Hours	int	10	No	0	
EstimateLabor5	numeric	19,5	No	0	
EstimateLabor5Hours	int	10	No	0	
EstimateTotalLabor	numeric	19,5	No	0	
EstimateTotalLaborHrs	int	10	No	0	
ForecastLabor	numeric	19,5	No	0	
ForecastEquipment	numeric	19,5	No	0	
ForecastMaterial	numeric	19,5	No	0	
ForecastSubs	numeric	19,5	No	0	
ForecastOther	numeric	19,5	No	0	
ForecastTotalCost	numeric	19,5	No	0	

Element Name	Data Type	Length	Required	Default	Description
ForecastHours	int	10	No	0	
ForecastLabor1	numeric	19,5	No	0	
ForecastLabor1Hours	int	10	No	0	
ForecastLabor2	numeric	19,5	No	0	
ForecastLabor2Hours	int	10	No	0	
ForecastLabor3	numeric	19,5	No	0	
ForecastLabor3Hours	int	10	No	0	
ForecastLabor4	numeric	19,5	No	0	
ForecastLabor4Hours	int	10	No	0	
ForecastLabor5	numeric	19,5	No	0	
ForecastLabor5Hours	int	10	No	0	
ForecastTotalLabor	numeric	19,5	No	0	
ForecastTotalLaborHrs	int	10	No	0	
TaskEstimateRollupGroup	smallint	5	No	0	

Element Name	Data Type	Length	Required	Default	Description
UserDefine1a	char	31	No		
UserDefine2a	char	31	No		
UserDefine3a	char	31	No		
UserDefine4a	char	31	No		
ServiceUserDefine3	char	31	No		
ServiceUserDefine5	int	10	No	0	
ServiceUserDefine6	int	10	No	0	
ServiceUserDefine9	datetime		No	'1/1/1900'	
ServiceUserDefine10	datetime		No	'1/1/1900'	
ServiceUserDefine18	tinyint	3	No	0	
ServiceUserDefine19	tinyint	3	No	0	
ServiceUserDefine22	numeric	19,5	No	0	
ServiceUserDefine23	numeric	19,5	No	0	
ServiceUserDefine24	numeric	19,5	No	0	
ContractBillingDate	smallint	5	No	1	
ContractServiceDate	smallint	5	No	1	

Element Name	Data Type	Length	Required	Default	Description
AutoBill	tinyint	3	No	1	
PurchaseOrder	char	15	No		
Divisions	char	15	Yes		Validated
PYLabor	numeric	19,5	No	0	
PYMaterial	numeric	19,5	No	0	
PYEquipment	numeric	19,5	No	0	
PYSubcontractor	numeric	19,5	No	0	
PYOther	numeric	19,5	No	0	
PYTotalCost	numeric	19,5	No	0	
PYBilled	numeric	19,5	No	0	
PYContractEarned	numeric	19,5	No	0	
PYGrossProfit	numeric	19,5	No	0	
PYRevenueRecognized	numeric	19,5	No	0	
PYHours	int	10	No	0	
PYLabor1	numeric	19,5	No	0	
PYLabor1Hours	int	10	No	0	

Element Name	Data Type	Length	Required	Default	Description
PYLabor2	numeric	19,5	No	0	
PYLabor2Hours	int	10	No	0	
PYLabor3	numeric	19,5	No	0	
PYLabor3Hours	int	10	No	0	
PYLabor4	numeric	19,5	No	0	
PYLabor4Hours	int	10	No	0	
PYLabor5	numeric	19,5	No	0	
PYLabor5Hours	int	10	No	0	
PYTotalLabor	numeric	19,5	No	0	
PYTotalLaborHrs	int	10	No	0	
YTDHours	int	10	No	0	
YTDLabor1	numeric	19,5	No	0	
YTDLabor1Hours	int	10	No	0	
YTDLabor2	numeric	19,5	No	0	
YTDLabor2Hours	int	10	No	0	
YTDLabor3	numeric	19,5	No	0	

Element Name	Data Type	Length	Required	Default	Description
YTDLabor3Hours	int	10	No	0	
YTDLabor4	numeric	19,5	No	0	
YTDLabor4Hours	int	10	No	0	
YTDLabor5	numeric	19,5	No	0	
YTDLabor5Hours	int	10	No	0	
YTDTotalLabor	numeric	19,5	No	0	
YTDTotalLaborHrs	int	10	No	0	
TTDHours	int	10	No	0	
TTDLabor1	numeric	19,5	No	0	
TTDLabor1Hours	int	10	No	0	
TTDLabor2	numeric	19,5	No	0	
TTDLabor2Hours	int	10	No	0	
TTDLabor3	numeric	19,5	No	0	
TTDLabor3Hours	int	10	No	0	
TTDLabor4	numeric	19,5	No	0	
TTDLabor4Hours	int	10	No	0	

Element Name	Data Type	Length	Required	Default	Description
TTDLabor5	numeric	19,5	No	0	
TTDLabor5Hours	int	10	No	0	
TTDTotalLabor	numeric	19,5	No	0	
TTDTotalLaborHrs	int	10	No	0	
AutoDate	datetime		No	1/1/1900'	
CancelBox	tinyint	3	No	0	
Hold	tinyint	3	No	0	
ExcessCost	numeric	19,5	No	0	
UnbilledReceivable	numeric	19,5	No	0	
ContractNTEUnits	int	10	No	0	
ContractActualUnits	int	10	No	0	
EquipmentID	char	31	No		Not validated or used by core product
WarrantyCheckbox	tinyint	3	No	0	
TimeZone	char	3	No		
SVLanguageID	smallint	5	No	0	
BillingCurrencyID	char	15	No		Not validated or used by core product

Element Name	Data Type	Length	Required	Default	Description
LocalCurrencyID	char	15	No		Not validated or used by core product
HoldReasonID	smallint	5	No		Not validated or used by core product
BillingEquipment	numeric	19,5	No	0	
BillingMaterial	numeric	19,5	No	0	
BillingLabor	numeric	19,5	No	0	
BillingSubs	numeric	19,5	No	0	
BillingOther	numeric	19,5	No	0	
BillingPercentageEquip	numeric	19,5	No	0	
BillingPercentageMaterial	numeric	19,5	No	0	
BillingPercentageLabor	numeric	19,5	No	0	
BillingPercentageSubs	numeric	19,5	No	0	
BillingPercentageOther	numeric	19,5	No	0	
CurrentBillingAmount	numeric	19,5	No	0	



Element Name	Data Type	Length	Required	Default	Description
EscalationFrequency	char	15	No	NONE'	Validated - 'AT ANNIVERSARY' or 'NONE'
EscalationNotificationDays	smallint	5	No	0	
NextEscalationDate	datetime		No	1/1/1900'	
AnniversaryDate	datetime		No		Validated - cannot be greater than expiration, if > 365 days will be set to start date + 365, if <= 365 days will be set to expire date
EvergreenContractFlag	tinyint	3	No	0	
ContractUnitsMeasure	char	15	No		
LastReviewDate	datetime		No	1/1/1900'	
MasterTaxScheduleID	char	15	No		Validated - SV000789
ContractInternalName	char	15	No		Validated - this is contract type SV00515
AutomaticEscalationFlag	tinyint	3	No	0	
BillCustomerNumber	char	15	No		Validated
BillAddressCode	char	15	No		Validated

Element Name	Data Type	Length	Required	Default	Description
LeaveOpenFlag	tinyint	3	No	0	Fills field WSReservedCB1 and represents a contract that will be left open when renewed.
WennsoftTablesOnly	tinyint	3	No	0	NA
OnlyValidate	tinyint	3	No	0	NA
USRDEFND1	char	50	No		
USRDEFND2	char	50	No		
USRDEFND3	char	50	No		
USRDEFND4	varchar	8000	No		
USRDEFND5	varchar	8000	No		
ReturnErrorText	tinyint	3	No	0	Option to return error text along with error code
iErrorState	tinyint	3	No	0	Returned error code - output
ErrString	varchar	255	No		Returned error string - output

## wsiSMSContractQuote

- [Table: SV00502 \(page 197\)](#)
- [Error Codes \(page 207\)](#)

**Table: SV00502**

Element Name	Data Type	Length	Required	Default	Description
@I_vAddressCode	char	15			
@I_vAnnualContractValue	numeric	19,5			
@I_vAutoBill	tinyint				
@I_vBaseCurrencyID	char	15			
@I_vBillFreq	smallint				
@I_vBillingCurrencyID	char	15			
@I_vBillingEquipment	numeric	19,5			
@I_vBillingLabor	numeric	19,5			
@I_vBillingLabor1	numeric	19,5			
@I_vBillingLabor1Hours	int				
@I_vBillingLabor2	numeric	19,5			
@I_vBillingLabor2Hours	int				
@I_vBillingLabor3	numeric	19,5			
@I_vBillingLabor3Hours	int				
@I_vBillingLabor4	numeric	19,5			

Element Name	Data Type	Length	Required	Default	Description
@I_vBillingLabor4Hours	int				
@I_vBillingLabor5	numeric	19,5			
@I_vBillingLabor5Hours	int				
@I_vBillingLaborHours	int				
@I_vBillingMaterial	numeric	19,5			
@I_vBillingOther	numeric	19,5			
@I_vBillingPercentageEquip	numeric	19,5			
@I_vBillingPercentageLabor	numeric	19,5			
@I_vBillingPercentageMaterial	numeric	19,5			
@I_vBillingPercentageOther	numeric	19,5			
@I_vBillingPercentageSubs	numeric	19,5			
@I_vBillingPercentageTotal	numeric	19,5			
@I_vBillingSubs	numeric	19,5			
@I_vBillingTotal	numeric	19,5			

Element Name	Data Type	Length	Required	Default	Description
@I_vCancelBox	tinyint				
@I_vContractActualUnits	int				
@I_vContractAmount	numeric	19,5			
@I_vContractBillingDate	smallint				
@I_vContractExpirationDate	datetime				
@I_vContractInternalName	char	15			
@I_vContractNTEUnits	int				
@I_vContractUnitsMeasure	char	15			
@I_vCustomerNumber	char	15			
@I_vEstimateEquipment	numeric	19,5			
@I_vEstimateHours	int				
@I_vEstimateLabor	numeric	19,5			
@I_vEstimateLabor1	numeric	19,5			
@I_vEstimateLabor1Hours	int				
@I_vEstimateLabor2	numeric	19,5			

Element Name	Data Type	Length	Required	Default	Description
@I_vEstimateLabor2Hours	int				
@I_vEstimateLabor3	numeric	19,5			
@I_vEstimateLabor3Hours	int				
@I_vEstimateLabor4	numeric	19,5			
@I_vEstimateLabor4Hours	int				
@I_vEstimateLabor5	numeric	19,5			
@I_vEstimateLabor5Hours	int				
@I_vEstimateMaterial	numeric	19,5			
@I_vEstimateOther	numeric	19,5			
@I_vEstimateSubs	numeric	19,5			
@I_vEstimateTotalCost	numeric	19,5			
@I_vEstimateTotalLabor	numeric	19,5			
@I_vEstimateTotalLaborHrs	int				
@I_vEvergreenContractFlag	tinyint				

Element Name	Data Type	Length	Required	Default	Description
@I_vExcessCost	numeric	19,5			
@I_vForecastEquipment	numeric	19,5			
@I_vForecastLabor	numeric	19,5			
@I_vForecastLabor1	numeric	19,5			
@I_vForecastLabor1Hours	int				
@I_vForecastLabor2	numeric	19,5			
@I_vForecastLabor2Hours	int				
@I_vForecastLabor3	numeric	19,5			
@I_vForecastLabor3Hours	int				
@I_vForecastLabor4	numeric	19,5			
@I_vForecastLabor4Hours	int				
@I_vForecastLabor5	numeric	19,5			
@I_vForecastLabor5Hours	int				
@I_vForecastMaterial	numeric	19,5			

Element Name	Data Type	Length	Required	Default	Description
@I_vForecastOriginalEquipment	numeric	19,5			
@I_vForecastOriginalLabor	numeric	19,5			
@I_vForecastOriginalMaterial	numeric	19,5			
@I_vForecastOriginalOther	numeric	19,5			
@I_vForecastOriginalSubs	numeric	19,5			
@I_vForecastOrigLabor1	numeric	19,5			
@I_vForecastOrigLabor1 Hours	int				
@I_vForecastOrigLabor2	numeric	19,5			
@I_vForecastOrigLabor2 Hours	int				
@I_vForecastOrigLabor3	numeric	19,5			
@I_vForecastOrigLabor3 Hours	int				
@I_vForecastOrigLabor4	numeric	19,5			
@I_vForecastOrigLabor4 Hours	int				



Element Name	Data Type	Length	Required	Default	Description
@I_vForecastOrigLabor5	numeric	19,5			
@I_vForecastOrigLabor5 Hours	int				
@I_vForecastOrigTotalLabor	numeric	19,5			
@I_vForecastOrigTotalLaborHrs	int				
@I_vForecastOther	numeric	19,5			
@I_vForecastSubs	numeric	19,5			
@I_vForecastTotalCost	numeric	19,5			
@I_vForecastTotalLabor	numeric	19,5			
@I_vForecastTotalLaborHrs	int				
@I_vHold	tinyint				
@I_vHoldReasonID	smallint				
@I_vInvoiceStyle	smallint				
@I_vLastReviewDate	datetime				
@I_vLastReviewUserID	char	15			
@I_vLocalCurrencyID	char	15			

Element Name	Data Type	Length	Required	Default	Description
@I_vMultiyearContractFlag	tinyint				
@I_vOnlyValidate	tinyint				
@I_vPricingMatrixName	char	15			
@I_vQuoteDate	datetime				
@I_vQuoteExpirationDate	datetime				
@I_vQuoteNumber	char	11			
@I_vQuoteType	smallint				
@I_vReturnErrorText	tinyint				
@I_vRevenueRecognitionMethodID	smallint				
@I_vSalespersonID	char	15			
@I_vServiceDay	tinyint				
@I_vServiceUserDefine10	datetime				
@I_vServiceUserDefine18	tinyint				
@I_vServiceUserDefine19	tinyint				
@I_vServiceUserDefine22	numeric	19,5			

Element Name	Data Type	Length	Required	Default	Description
@I_vServiceUserDefine23	numeric	19,5			
@I_vServiceUserDefine24	numeric	19,5			
@I_vServiceUserDefine3	char	31			
@I_vServiceUserDefine5	int				
@I_vServiceUserDefine6	int				
@I_vServiceUserDefine9	datetime				
@I_vSVServiceLevelID	char	11			
@I_vTimeZone	char	3			
@I_vUpdateIfExists	tinyint				
@I_vUserDefine1a	char	31			
@I_vUserDefine2a	char	31			
@I_vUserDefine3a	char	31			
@I_vUserDefine4a	char	31			
@I_vUserID	char	15			
@I_vUSRDEFND1	char	50			
@I_vUSRDEFND2	char	50			

Element Name	Data Type	Length	Required	Default	Description
@I_vUSRDEFND3	char	50			
@I_vUSRDEFND4	varchar	8000			
@I_vUSRDEFND5	varchar	8000			
@I_vWarrantyCheckbox	tinyint				
@I_vWennsoftAffiliate	char	15			
@I_vWennsoftBranch	char	15			
@I_vWennsoftRegion	char	15			
@I_vWennSoftTablesOnly	tinyint				
@I_vWSContractNumber	char	11			
@I_vWSContractStartDate	datetime				
@I_vWSReservedCB1	tinyint				
@I_vWSReservedCB10	tinyint				
@I_vWSReservedCB2	tinyint				
@I_vWSReservedCB3	tinyint				
@I_vWSReservedCB5	tinyint				
@I_vWSReservedCB6	tinyint				

Element Name	Data Type	Length	Required	Default	Description
@I_vWSReservedCB7	tinyint				
@I_vWSReservedCB8	tinyint				
@I_vWSReservedCB9	tinyint				
@I_vWSReservedSTR1	char	11			
@O_iErrorState	int				
@oErrString	varchar	255			

## Error Codes

Error Code	Description
51112	The Customer Number does not exist.
52022	The Salesperson ID is invalid.
52027	The Address Code does not exist.
52144	The Bill Frequency is invalid.
52147	The Expiration Date is before the Start Date.
52148	Fiscal periods for contract dates must be set up.
52162	The Contract Type does not exist.
52310	Error inserting/updating the quote master table (SV00502).

Error Code	Description
52416	The Billing Day cannot exceed 28.
52417	The Service Day cannot exceed 28.

## wsiSMSContractTask

### Table Name: SV00582

**Other tables affected:** SV00585, SV00583, SV00586, SV00581

**Other stored procedures called:** SMS\_Build\_Contract\_Task\_SchedulePre, SMS\_Build\_Contract\_Task\_Schedule, SMS\_Build\_Contract\_Task\_SchedulePost, SMS\_Calculate\_First\_Call, SMS\_Calculate\_Next\_Call, SMS\_Calculate\_Week\_ofMonth

**Description:**

This procedure allows the import of a task code to an existing contract with an existing attached piece of equipment. The import will also handle the creation of the sub task records, the tasking schedule, and any task code materials that may exist. When this procedure is used to update a task code on a contract the contract task schedule, subtasks and materials are deleted and will be created again.

Element Name	Data Type	Length	Required	Default	Description
@I_vCustomerNumber	char	15	Yes		Validated - RM00101
@I_vAddressCode	char	15	Yes		Validated - RM00102
@I_vCustomerContractNumber	char	15	No		
@I_vUserID	char	15	No		
@I_vWSContractNumber	char	11	Yes		Validated - SV00500
@I_vWSContractNumberSequence	int	10	Yes		Validated - SV00500
@I_vEquipmentID	char	31	Yes		Validated - SV00400

Element Name	Data Type	Length	Required	Default	Description
@I_vTaskCode	char	11	Yes		Validated - SV00560
@I_vContractTaskListID	char	11	No	'	Added to SV00581 if not exists
@I_vInactive	tinyint	3	No		
@I_vEstimateHours	int	10	No	!Leave empty.! Defaults from task code if sum is 0 - as will the other estimate fields.	Sum of estLabor1-5 hours
@I_vEstimateLabor	numeric	19,5	No		
@I_vEstimateLabor1	numeric	19,5	No		
@I_vEstimateLabor1Hours	int	10	No		1 Hour = 100
@I_vEstimateLabor2	numeric	19,5	No		
@I_vEstimateLabor2Hours	int	10	No		1 Hour = 100
@I_vEstimateLabor3	numeric	19,5	No		
@I_vEstimateLabor3Hours	int	10	No		1 Hour = 100
@I_vEstimateLabor4	numeric	19,5	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vEstimateLabor4Hours	int	10	No		1 Hour = 100
@I_vEstimateLabor5	numeric	19,5	No		
@I_vEstimateLabor5Hours	int	10	No		1 Hour = 100
@I_vEstimateEquipment	numeric	19,5	No		
@I_vEstimateMaterial	numeric	19,5	No		
@I_vEstimateSubs	numeric	19,5	No		
@I_vEstimateOther	numeric	19,5	No		
@I_vEstimateTotalCost	numeric	19,5	No		
@I_vBillableEquipment	numeric	19,5	No		
@I_vBillableMaterial	numeric	19,5	No		
@I_vBillableSubs	numeric	19,5	No		
@I_vBillableOther	numeric	19,5	No		
@I_vBillableLabor1	numeric	19,5	No		



Element Name	Data Type	Length	Required	Default	Description
@I_vBillableLabor 2	numeric	19,5	No		
@I_vBillableLabor 3	numeric	19,5	No		
@I_vBillableLabor 4	numeric	19,5	No		
@I_vBillableLabor 5	numeric	19,5	No		
@I_vRunUnits	numeric	19,5	No		
@I_vCurrentRunU nits	numeric	19,5	No		
@I_vLastRunUnits	numeric	19,5	No		
@I_vWSFrequency	char	15	No		Validated - SV00541 against frequency schedule pair if provided
@I_vSchedule	smallint	5	No	Defaults from task code if not provided	Validated - SV00541 against frequency schedule pair if provided
@I_vOptional	tinyint	3	No		
@I_vSkillLevel	char	15	No		
@I_vMaterialKitRe quired	char	31	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vMaterialKitQuantity	int	10	No		
@I_vToolKitRequired	char	15	No		
@I_vCoverageCode	smallint	5	No		
@I_vTaskUserDefine1	char	21	No		
@I_vTaskUserDefine2	char	21	No		
@I_vTaskUserDefine3	char	31	No		
@I_vTaskUserDefine4	char	31	No		
@I_vTaskUserDefine5	int	10	No		
@I_vTaskUserDefine6	int	10	No		
@I_vTaskUserDefine7	int	10	No		
@I_vTaskUserDefine8	int	10	No		
@I_vTaskUserDefine9	datetime		No		

Element Name	Data Type	Length	Required	Default	Description
@I_vTaskUserDefi ne10	datetime		No		
@I_vTaskUserDefi ne11	datetime		No		
@I_vTaskUserDefi ne12	datetime		No		
@I_vTaskUserDefi ne13	numeric	19,5	No		
@I_vTaskUserDefi ne14	numeric	19,5	No		
@I_vTaskUserDefi ne15	numeric	19,5	No		
@I_vTaskUserDefi ne16	numeric	19,5	No		
@I_vTaskUserDefi ne17	numeric	19,5	No		
@I_vTaskUserDefi ne18	tinyint	3	No		
@I_vTaskUserDefi ne19	tinyint	3	No		
@I_vTaskUserDefi ne20	tinyint	3	No		
@I_vTaskUserDefi ne21	tinyint	3	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vTaskHours	int	10	No		
@I_vWeek1	tinyint	3	No		
@I_vWeek2	tinyint	3	No		
@I_vWeek3	tinyint	3	No		
@I_vWeek4	tinyint	3	No		
@I_vWeek5	tinyint	3	No		
@I_vTimeZone	char	3	No		
@I_vSVLanguageID	smallint	5	No		
@I_vBaseCurrencyID	char	15	No		
@I_vBillingCurrencyID	char	15	No		
@I_vLocalCurrencyID	char	15	No		
@I_vWSReservedCB1	tinyint	3	No		
@I_vWSReservedCB2	tinyint	3	No		
@I_vWSReservedCB3	tinyint	3	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vWSReservedC B4	tinyint	3	No		
@I_vWSReservedC B5	tinyint	3	No		
@I_vWSReservedC B6	tinyint	3	No		
@I_vWSReservedC B7	tinyint	3	No		
@I_vWSReservedC B8	tinyint	3	No		
@I_vWSReservedC B9	tinyint	3	No		
@I_vWSReservedC B10	tinyint	3	No		
@I_vWSReservedS TR1	char	11	No		
@I_vWSReservedS TR2	char	11	No		
@I_vPMGroup	char	3	No		
@I_vID1	char	11	No		
@I_vID2	char	11	No		
@I_vYRMOD	smallint	5	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vYRREM	smallint	5	No		
@I_vUpdateIfExists	tinyint	3	Yes	0	
@I_vWennSoftTablesOnly	tinyint	3	Yes	0	
@I_vOnlyValidate	tinyint	3	Yes	0	
@I_vUSRDEFND1	char	50	No		
@I_vUSRDEFND2	char	50	No		
@I_vUSRDEFND3	char	50	No		
@I_vUSRDEFND4	varchar	8000	No		
@I_vUSRDEFND5	varchar	8000	No		
@I_vReturnErrorText	tinyint	3	No	1	
@O_iErrorState	int	10	No	0	
@oErrString	varchar	255	No		

## wsiSMSEquipment

### Table Name: SV00400

**Other tables affected:** SV00403, SV00055

**Other stored procedures called:** wsiSMSEquipmentPre, wsiSMSEquipmentPost, wsiSMSEquipmentContract

**Description:**

This procedure allows the insert/update of records into the equipment master table. The corresponding record in the

equipment quick search table (SV00055) will also be created/updated. A contract number can be specified and the wsiSMSEquipmentContract procedure will be called to populate the equipment contract coverage table (SV00403) - if the equipment needs to be attached to multiple contracts then the wsiSMSEquipmentContract procedure can be called as a separate import.

Element Name	Data Type	Length	Required	Default	Description
@I_vAddressCode	char	15			Validated - RM00102
@I_vCustomerNumber	char	15			Validated - RM00101
@I_vEquipmentID	char	31			Validated as not empty
@I_vUserID	char	15			
@I_vWennsoftMasterEquipID	char	31			
@I_vComponentFlag	tinyint	1			
@I_vComponentQty	smallint	2			
@I_vCorporateCustomerNumber	char	15			
@I_vManufacturerID	char	15			Validated - SV00410
@I_vEquipmentType	char	31			Validated - SV00405
@I_vWennsoftModelNumber	char	21			Validated - SV00411
@I_vWennsoftSerialNumber	char	41			
@I_vInstalledByLongDescription	char	41			
@I_vExtendedWarrantyType	char	31			
@I_vExtendedWarrantyExpiration	datetime	8			
@I_vWarrantyExpiration	datetime	8			
@I_vInstallDate	datetime	8			

Element Name	Data Type	Length	Required	Default	Description
@I_vLocationEquipment	char	51			
@I_vWSContractNumber	char	11			Validated - SV00500 When provided wsiSMSEquipmentContract procedure will be called
@I_vWSBarcodeID	char	51			
@I_vUserDefine1a	char	31			
@I_vUserDefine2a	char	31			
@I_vUserDefine3a	char	31			
@I_vUserDefine4a	char	31			
@I_vUserDefine5a	char	31			
@I_vUserDefine9a	datetime	8			
@I_vStartUpDate	datetime	8			
@I_vShutdownMonth	smallint	2			
@I_vStartupMonth	smallint	2			
@I_vOperatingHoursPerMonth	smallint	2			
@I_vTotalControlsPerUnit	smallint	2			
@I_vTotalControlsQty	smallint	2			
@I_vShutdownJan	smallint	2			
@I_vShutdownFeb	smallint	2			
@I_vShutdownMar	smallint	2			
@I_vShutdownApr	smallint	2			
@I_vShutdownMay	smallint	2			
@I_vShutdownJun	smallint	2			



Element Name	Data Type	Length	Required	Default	Description
@I_vShutdownJul	smallint	2			
@I_vShutdownAug	smallint	2			
@I_vShutdownSep	smallint	2			
@I_vShutdownOct	smallint	2			
@I_vShutdownNov	smallint	2			
@I_vShutdownDec	smallint	2			
@I_vAutoDate	datetime	8			
@I_vPMGroup	char	3			
@I_vID1	char	11			
@I_vID2	char	11			
@I_vStartupBy	char	51			
@I_vStartupJobNumber	char	17			
@I_vShippedDate	datetime	8			
@I_vVibrationDate	datetime	8			
@I_vOverhaulDate	datetime	8			
@I_vECTDate	datetime	8			
@I_vConversionDate	datetime	8			
@I_vBlanketPOCheck box	tinyint	1			
@I_vBlanketPONumber	char	17			
@I_vOriginalBlanketPOAmount	numeric	9			
@I_vBlanketPOAmountSpent	numeric	9			

Element Name	Data Type	Length	Required	Default	Description
@I_vBlanketPOAmountRemainin	numeric	9			
@I_vBlanketPOExpirationDate	datetime	8			
@I_vServiceUserDefine1	char	21			
@I_vServiceUserDefine2	char	21			
@I_vServiceUserDefine3	char	31			
@I_vServiceUserDefine4	char	31			
@I_vServiceUserDefine5	int	4			
@I_vServiceUserDefine6	int	4			
@I_vServiceUserDefine7	int	4			
@I_vServiceUserDefine8	int	4			
@I_vServiceUserDefine9	datetime	8			
@I_vServiceUserDefine10	datetime	8			
@I_vServiceUserDefine11	datetime	8			
@I_vServiceUserDefine12	datetime	8			
@I_vServiceUserDefine18	tinyint	1			
@I_vServiceUserDefine19	tinyint	1			

Element Name	Data Type	Length	Required	Default	Description
@I_vServiceUserDefine20	tinyint	1			
@I_vServiceUserDefine21	tinyint	1			
@I_vServiceUserDefine22	numeric	9			
@I_vServiceUserDefine23	numeric	9			
@I_vServiceUserDefine24	numeric	9			
@I_vServiceUserDefine25	numeric	9			
@I_vTimeZone	char	3			
@I_vWSReservedCB1	tinyint	1			
@I_vWSReservedCB2	tinyint	1			
@I_vWSReservedCB3	tinyint	1			
@I_vWSReservedCB4	tinyint	1			
@I_vWSReservedCB5	tinyint	1			
@I_vWSReservedCB6	tinyint	1			
@I_vWSReservedCB7	tinyint	1			
@I_vWSReservedCB8	tinyint	1			
@I_vWSReservedCB9	tinyint	1			
@I_vWSReservedCB10	tinyint	1			
@I_vWSReservedSTR1	char	11			
@I_vWSReservedSTR2	char	11			
@I_vOutOfServiceFlag	tinyint	1			

Element Name	Data Type	Length	Required	Default	Description
@I_vOutOfServiceDate	datetime	8			
@I_vOutOfServiceTime	datetime	8			
@I_vOutOfServiceBy	char	15			
@I_vOutOfServiceReason	char	31			
@I_vInactiveRetiredFlag	tinyint	1			Validated - Cannot be 1 when open contract is specified
@I_vEquipmentDescription2	char	51			
@I_vItemNumber	char	31			
@I_vSerialNumber	char	21			
@I_vUpdateIfExists	tinyint	1			
@I_vWennSoftTablesOnly	tinyint	1			
@I_vOnlyValidate	tinyint	1			
@I_vUSRDEFND1	char	50			
@I_vUSRDEFND2	char	50			
@I_vUSRDEFND3	char	50			
@I_vUSRDEFND4	varchar	8000			
@I_vUSRDEFND5	varchar	8000			
@I_vReturnErrorText	tinyint	1			
@O_iErrorState	int	4			
@oErrString	varchar	255			
@I_vEquip_Description_Long	char	255			

Element Name	Data Type	Length	Required	Default	Description
@I_vOptimalCharge	numeric	9			
@I_vRefrigerantTypeID	int	4			
@I_vRefrigerantEquipmentType	smallint	2		0	Must match record in SV40181 table
@I_vLatitude	numeric	9			
@I_vLongitude	numeric	9			
@I_vBuildingID	char	30			
@I_vBuildingRoom	char	30			

## wsISMSEquipmentContract

### Table Name: SV00403

**Other stored procedures called:** wsiSMSEquipmentContractPre, wsiSMSEquipmentContractPost

**Description:**

This procedure will allow you to insert/update records into the SV00403 equipment contract coverage table. This table establishes the relationship between contracts and the equipment that is assigned to them.

Element Name	Data Type	Length	Required	Default	Description
@I_vCustomerNumber	char	15	Yes		Validated - RM00101
@I_vAddressCode	char	15	Yes		Validated - RM00102
@I_vWSContractNumber	char	11	Yes		Validated - SV00500
@I_vWSContractNumberSequence	int	10	Yes		Validated - SV00500
@I_vEquipmentID	char	31	Yes		Validated - SV00400
@I_vServiceUserDefine1	char	21	No	'	

Element Name	Data Type	Length	Required	Default	Description
@l_vServiceUserDefine 2	char	21	No	'	
@l_vServiceUserDefine 3	char	31	No	'	
@l_vServiceUserDefine 4	char	31	No	'	
@l_vServiceUserDefine 5	int	10	No	0	
@l_vServiceUserDefine 6	int	10	No	0	
@l_vServiceUserDefine 7	int	10	No	0	
@l_vServiceUserDefine 8	int	10	No	0	
@l_vServiceUserDefine 9	datetime		No	1/1/1900'	
@l_vServiceUserDefine 10	datetime		No	1/1/1900'	
@l_vServiceUserDefine 11	datetime		No	1/1/1900'	
@l_vServiceUserDefine 12	datetime		No	1/1/1900'	
@l_vServiceUserDefine 18	tinyint	3	No	0	

Element Name	Data Type	Length	Required	Default	Description
@I_vServiceUserDefine 19	tinyint	3	No	0	
@I_vServiceUserDefine 20	tinyint	3	No	0	
@I_vServiceUserDefine 21	tinyint	3	No	0	
@I_vServiceUserDefine 22	numeric	19,5	No	0	
@I_vServiceUserDefine 23	numeric	19,5	No	0	
@I_vServiceUserDefine 24	numeric	19,5	No	0	
@I_vServiceUserDefine 25	numeric	19,5	No	0	
@I_vWSReservedCB1	tinyint	3	No	0	
@I_vWSReservedCB2	tinyint	3	No	0	
@I_vWSReservedCB3	tinyint	3	No	0	
@I_vWSReservedCB4	tinyint	3	No	0	
@I_vWSReservedCB5	tinyint	3	No	0	
@I_vWSReservedCB6	tinyint	3	No	0	
@I_vWSReservedCB7	tinyint	3	No	0	

Element Name	Data Type	Length	Required	Default	Description
@I_vWSReservedCB8	tinyint	3	No	0	
@I_vWSReservedCB9	tinyint	3	No	0	
@I_vWSReservedCB10	tinyint	3	No	0	
@I_vWSReservedSTR1	char	11	No	'	
@I_vWSReservedSTR2	char	11	No	'	
@I_vUpdateIfExists	tinyint	3	Yes	0	
@I_vWennSoftTablesOnly	tinyint	3	Yes	0	
@I_vOnlyValidate	tinyint	3	Yes	0	
@I_vUSRDEFND1	char	50	No	'	
@I_vUSRDEFND2	char	50	No	'	
@I_vUSRDEFND3	char	50	No	'	
@I_vUSRDEFND4	varchar	8000	No	'	
@I_vUSRDEFND5	varchar	8000	No	'	
@I_vReturnErrorText	tinyint	3	No	1	
@O_iErrorState	int	10	No	0	
@oErrString	varchar	255	No		



## wsiSMSInvoice

### Table Name: SV00700

**Description:**

Describe what the WSI procedure does in regards to a business goal.

Element Name	Data Type	Length	Required	Default	Description
@I_vServiceCallID	char	17	Yes		
@I_vCustomerNumber	char	15	No		
@I_vCallInvoiceNumber	char	17	Yes		
@I_vAddressCode	char	15	No		
@I_vInvoiceType	smallint	5	No		
@I_vWensoftAffiliate	char	15	No		
@I_vWensoftRegion	char	15	No		
@I_vWensoftBranch	char	15	No		
@I_vUserID	char	15	No		
@I_vTechnicianID	char	15	No		
@I_vTechnicianTeam	char	15	No		
@I_vTechnicianID2	char	15	No		
@I_vCorporateInvoiceNumber	char	17	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vCorporateCustomerNumber	char	15	No		
@I_vBatchNumber	char	15	No		
@I_vBatchSource	char	15	No		
@I_vLaborCostCatagory1	numeric	19,5	No		
@I_vLaborCostCatagory2	numeric	19,5	No		
@I_vLaborCostCatagory3	numeric	19,5	No		
@I_vLaborCostCatagory4	numeric	19,5	No		
@I_vLaborCostCatagory5	numeric	19,5	No		
@I_vCostEquipment	numeric	19,5	No		
@I_vCostMaterial	numeric	19,5	No		
@I_vCostLabor	numeric	19,5	No		
@I_vCostSubs	numeric	19,5	No		
@I_vCostOther	numeric	19,5	No		
@I_vCostTax	numeric	19,5	No		
@I_vCostAll	numeric	19,5	No		
@I_vLaborBillingCatagory1	numeric	19,5	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vLaborBillingCatagory 2	numeric	19,5	No		
@I_vLaborBillingCatagory 3	numeric	19,5	No		
@I_vLaborBillingCatagory 4	numeric	19,5	No		
@I_vLaborBillingCatagory 5	numeric	19,5	No		
@I_vBillableEquipment	numeric	19,5	No		
@I_vBillableMaterial	numeric	19,5	No		
@I_vBillableLabor	numeric	19,5	No		
@I_vBillableSubs	numeric	19,5	No		
@I_vBillableOther	numeric	19,5	No		
@I_vTaxDetailID1	char	15	No		
@I_vTaxAmount1	numeric	19,5	No		
@I_vTaxDetailID2	char	15	No		
@I_vTaxAmount2	numeric	19,5	No		
@I_vTaxDetailID3	char	15	No		
@I_vTaxAmount3	numeric	19,5	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vTaxDetailID4	char	15	No		
@I_vTaxAmount4	numeric	19,5	No		
@I_vBillableTax	numeric	19,5	No		
@I_vBillableAll	numeric	19,5	No		
@I_vBillingAmountFixed	numeric	19,5	No		
@I_vBillingAmountNTE	numeric	19,5	No		
@I_vTotalAmount1	numeric	19,5	No		
@I_vTotalAmount2	numeric	19,5	No		
@I_vTotalAmount3	numeric	19,5	No		
@I_vTotalAmount4	numeric	19,5	No		
@I_vTotalAmount5	numeric	19,5	No		
@I_vTotalAmount6	numeric	19,5	No		
@I_vTotalAmount7	numeric	19,5	No		
@I_vTotalAmount8	numeric	19,5	No		
@I_vTotalAmount9	numeric	19,5	No		
@I_vTotalAmount10	numeric	19,5	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vTotalAmount11	numeric	19,5	No		
@I_vTotalAmount12	numeric	19,5	No		
@I_vTotalAmount13	numeric	19,5	No		
@I_vTotalAmount14	numeric	19,5	No		
@I_vTotalAmount15	numeric	19,5	No		
@I_vTotalAmount16	numeric	19,5	No		
@I_vTotalAmount17	numeric	19,5	No		
@I_vTotalAmount18	numeric	19,5	No		
@I_vTotalAmount19	numeric	19,5	No		
@I_vTotalAmount20	numeric	19,5	No		
@I_vTotalAmount21	numeric	19,5	No		
@I_vTotalAmount22	numeric	19,5	No		
@I_vTotalAmount23	numeric	19,5	No		
@I_vTotalAmount24	numeric	19,5	No		
@I_vTotalAmount25	numeric	19,5	No		
@I_vTotalAmount26	numeric	19,5	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vTotalAmount27	numeric	19,5	No		
@I_vTotalAmount28	numeric	19,5	No		
@I_vTotalAmount29	numeric	19,5	No		
@I_vTotalAmount30	numeric	19,5	No		
@I_vTotalAmount31	numeric	19,5	No		
@I_vTotalAmount32	numeric	19,5	No		
@I_vTotalAmount33	numeric	19,5	No		
@I_vTotalAmount34	numeric	19,5	No		
@I_vTotalAmount35	numeric	19,5	No		
@I_vTotalAmount36	numeric	19,5	No		
@I_vTotalAmount37	numeric	19,5	No		
@I_vTotalAmount38	numeric	19,5	No		
@I_vTotalAmount39	numeric	19,5	No		
@I_vTotalAmount40	numeric	19,5	No		
@I_vAccountAmount	numeric	19,5	No		
@I_vPaymentTermsID	char	21	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vTaxScheduleID	char	15	No		
@I_vInvoiceCommentID1	smallint	5	No		
@I_vInvoiceCommentID2	smallint	5	No		
@I_vCashAmount	numeric	19,5	No		
@I_vDocumentDate	datetime		No		
@I_vSalespersonID	char	15	No		
@I_vCommissionPercent	smallint	5	No		
@I_vCommissionPercentofSale	smallint	5	No		
@I_vCommissionEarnings	numeric	19,5	No		
@I_vSalesTerritory	char	15	No		
@I_vSalespersonID2	char	15	No		
@I_vCommissionPercent2	smallint	5	No		
@I_vCommissionPercentofSale2	smallint	5	No		
@I_vCommissionEarnings2	numeric	19,5	No		
@I_vSalesTerritory2	char	15	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vPurchaseOrderNumber	char	21	No		
@I_vTradeDiscountAmount	numeric	19,5	No		
@I_vCheckbookIDCheck	char	15	No		
@I_vCashDate	datetime		No		
@I_vDocumentNumberCash	char	21	No		
@I_vCheckAmount	numeric	19,5	No		
@I_vCheckbookIDCreditCard	char	15	No		
@I_vCheckNumber	char	21	No		
@I_vCheckDate	datetime		No		
@I_vDocumentNumberCheck	char	21	No		
@I_vDocumentNumberCreditCard	char	21	No		
@I_vCreditCardAmount	numeric	19,5	No		
@I_vCreditCardName	char	15	No		
@I_vReceiptNumberCreditCard	char	21	No		



Element Name	Data Type	Length	Required	Default	Description
@I_vCreditCardDate	datetime		No		
@I_vDiscountTakenAmount	numeric	19,5	No		
@I_vCheckbookIDCash	char	15	No		
@I_vWennsoftPostingStatus	char	1	No		
@I_vPostedDate	datetime		No		
@I_vInvoiceStyle	smallint	5	No		
@I_vNoTimesPrinted	smallint	5	No		
@I_vPrintedDate	datetime		No		
@I_vChangedSincePrintingFlag	tinyint	3	No		
@I_vDocumentAmount	numeric	19,5	No		
@I_vDiscountPercentAmount	smallint	5	No		
@I_vDiscountDollarAmount	numeric	19,5	No		
@I_vDiscountAvailableAmount	numeric	19,5	No		
@I_vDiscountDate	datetime		No		

Element Name	Data Type	Length	Required	Default	Description
@I_vDueDate	datetime		No		
@I_vRMDocumentNumber WORK	char	17	No		
@I_vRMDocumentTypeAll	smallint	5	No		
@I_vDatePaid	datetime		No		
@I_vAmountRecieved	numeric	19,5	No		
@I_vCorporateContractNu mber	char	21	No		
@I_vWSMasterContractSe qNumber	int	10	No		
@I_vWSContractNumber	char	11	No		
@I_vWSContractNumbersS equence	int	10	No		
@I_vTaxDate	datetime		No		
@I_vLaborGroupName	char	15	No		
@I_vPricingMatrixName	char	15	No		
@I_vTravelRateName	char	15	No		
@I_vBillCustomerNumber	char	15	No		
@I_vBillAddressCode	char	15	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vServiceUserDefine1	char	21	No		
@I_vServiceUserDefine2	char	21	No		
@I_vServiceUserDefine3	char	31	No		
@I_vServiceUserDefine4	char	31	No		
@I_vServiceUserDefine5	int	10	No		
@I_vServiceUserDefine6	int	10	No		
@I_vServiceUserDefine7	int	10	No		
@I_vServiceUserDefine8	int	10	No		
@I_vServiceUserDefine9	datetime		No		
@I_vServiceUserDefine10	datetime		No		
@I_vServiceUserDefine11	datetime		No		
@I_vServiceUserDefine12	datetime		No		
@I_vServiceUserDefine18	tinyint	3	No		
@I_vServiceUserDefine19	tinyint	3	No		
@I_vServiceUserDefine20	tinyint	3	No		
@I_vServiceUserDefine21	tinyint	3	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vServiceUserDefine22	numeric	19,5	No		
@I_vServiceUserDefine23	numeric	19,5	No		
@I_vServiceUserDefine24	numeric	19,5	No		
@I_vServiceUserDefine25	numeric	19,5	No		
@I_vTimeZone	char	3	No		
@I_vSVLanguageID	smallint	5	No		
@I_vWSReservedCB1	tinyint	3	No		
@I_vWSReservedCB2	tinyint	3	No		
@I_vWSReservedCB3	tinyint	3	No		
@I_vWSReservedCB4	tinyint	3	No		
@I_vWSReservedCB5	tinyint	3	No		
@I_vWSReservedCB6	tinyint	3	No		
@I_vWSReservedCB7	tinyint	3	No		
@I_vWSReservedCB8	tinyint	3	No		
@I_vWSReservedCB9	tinyint	3	No		
@I_vWSReservedCB10	tinyint	3	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vWSReservedSTR1	char	11	No		
@I_vWSReservedSTR2	char	11	No		
@I_vInvoiceShortDescription	char	31	No		
@I_vManualSalesDistribution	tinyint	3	No		
@I_vManualCommissionDistribution	tinyint	3	No		
@I_vDEXROWID	int	10	No		
@I_vInvoiceDescription	text	2.1E+09	No		
@I_vUpdateIfExists	tinyint	3	Yes	0	
@I_vWennSoftTablesOnly	tinyint	3	Yes	0	
@I_vOnlyValidate	tinyint	3	Yes	0	
@I_vUSRDEFND1	char	50	No		
@I_vUSRDEFND2	char	50	No		
@I_vUSRDEFND3	char	50	No		
@I_vUSRDEFND4	varchar	8000	No		
@I_vUSRDEFND5	varchar	8000	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vReturnErrorText	tinyint	3	No	1	
@O_iErrorState	int	10	No	0	
@oErrString	varchar	255	No		

## wsiSMSJobCostsHistory

- [Table: SV000815 \(page 240\)](#)
- [Error Codes \(page 249\)](#)

### Table: SV000815

Element Name	Data Type	Length	Required	Default	Description
@I_vAccountIndexCredit	int				
@I_vAccountIndexDebit	int				
@I_vAddedRate	tinyint				
@I_vAddNewEquipmentRecord	tinyint				
@I_vAddressCode	char	15			
@I_vAppointment	char	25			
@I_vBaseCurrConversionFactor	numeric	19,7			
@I_vBaseCurrencyID	char	15			
@I_vBatchNumber	char	15			

Element Name	Data Type	Length	Required	Default	Description
@I_vBatchSource	char	15			
@I_vBillableCheckBox	tinyint				
@I_vBilledToJob	numeric	19,5			
@I_vBillingAmount	numeric	19,5			
@I_vBillingCurrConversion Factor	numeric	19,7			
@I_vBillingCurrencyID	char	15			
@I_vBillingRate	numeric	19,5			
@I_vCallInvoiceNumber	char	17			
@I_vCostCodeDescription	char	31			
@I_vCustomerNumber	char	15			
@I_vDivisions	char	15			
@I_vDocumentAmount	numeric	19,5			
@I_vDocumentDate	datetime				
@I_vDocumentType	smallint				
@I_vDynamicsStatus	char	5			
@I_vEmployeeID	char	15			

Element Name	Data Type	Length	Required	Default	Description
@I_vEmployeeName	char	41			
@I_vEquipmentID	char	31			
@I_vEquipmentType	char	31			
@I_vExtendedCost	numeric	19,5			
@I_vGLPostingDate	datetime				
@I_vInvoiceAccountIndex Credit	int				
@I_vInvoiceAccountIndex Debit	int				
@I_vItemDescription	char	101			
@I_vItemNumber	char	31			
@I_vJobTitle	char	7			
@I_vJobType	char	7			
@I_vJournalEntry	int				
@I_vLaborGroupName	char	15			
@I_vLocalCurrencyID	char	15			
@I_vManufacturerID	char	15			
@I_vNewEquipmentID	char	11			



Element Name	Data Type	Length	Required	Default	Description
@I_vNoteCheckbox	tinyint				
@I_vOHAccountIndexCR	int				
@I_vOHAccountIndexDR	int				
@I_vOHAmount	numeric	19,5			
@I_vOnlyValidate	tinyint				
@I_vOverheadWIPAccount IndexCredit	int				
@I_vPayRate	numeric	19,5			
@I_vPayRecord	char	7			
@I_vPricingMatrixName	char	15			
@I_vPYADNMBR	int				
@I_vReferenceTRXNumber	char	17			
@I_vReturnErrorText	tinyint				
@I_vREVSETRX	tinyint				
@I_vSequenceNumber	int				
@I_vServiceCallID	char	17			
@I_vServiceUserDefine1	char	21			

Element Name	Data Type	Length	Required	Default	Description
@I_vServiceUserDefine10	datetime				
@I_vServiceUserDefine11	datetime				
@I_vServiceUserDefine12	datetime				
@I_vServiceUserDefine18	tinyint				
@I_vServiceUserDefine19	tinyint				
@I_vServiceUserDefine2	char	21			
@I_vServiceUserDefine20	tinyint				
@I_vServiceUserDefine21	tinyint				
@I_vServiceUserDefine22	numeric	19,5			
@I_vServiceUserDefine23	numeric	19,5			
@I_vServiceUserDefine24	numeric	19,5			
@I_vServiceUserDefine25	numeric	19,5			
@I_vServiceUserDefine5	int				
@I_vServiceUserDefine6	int				
@I_vServiceUserDefine7	int				
@I_vServiceUserDefine8	int				

Element Name	Data Type	Length	Required	Default	Description
@I_vServiceUserDefine9	datetime				
@I_vShiftCode	char	7			
@I_vShiftPremium	numeric	19,5			
@I_vSub_Task_Code	char	11			
@I_vSVLanguageID	smallint				
@I_vTaskCode	char	11			
@I_vTaxable	tinyint				
@I_vTechnicianID	char	15			
@I_vTechnicianTeam	char	15			
@I_vTimeZone	char	3			
@I_vTransactionDescription	char	31			
@I_vTransactionSource	char	25			
@I_vTravelRateName	char	15			
@I_vTravelTransaction	tinyint				
@I_vTRXHoursUnits	int				
@I_vTRXHoursUnitsBill	int				

Element Name	Data Type	Length	Required	Default	Description
@I_vTRXQTY	numeric	19,5			
@I_vTRXQTYBILL	numeric	19,5			
@I_vUnitCost	numeric	19,5			
@I_vUnitPrice	numeric	19,5			
@I_vUOfM	char	9			
@I_vUpdateIfExists	tinyint				
@I_vUserID	char	15			
@I_vUSRDEFND1	char	50			
@I_vUSRDEFND2	char	50			
@I_vUSRDEFND3	char	50			
@I_vUSRDEFND4	varchar	8000			
@I_vUSRDEFND5	varchar	8000			
@I_vVendorID	char	15			
@I_vVendorName	char	65			
@I_vVOIDPYADNMBR	int				
@I_vVoucherNumberWORK	char	17			

Element Name	Data Type	Length	Required	Default	Description
@I_vWennsoftAffiliate	char	15			
@I_vWennsoftBranch	char	15			
@I_vWennsoftModelNumber	char	21			
@I_vWennsoftRegion	char	15			
@I_vWennsoftSerialNumber	char	41			
@I_vWennsoftStatus	char	5			
@I_vWennSoftTablesOnly	tinyint				
@I_vWIPAccountIndexCredit	int				
@I_vWS_Grouped	tinyint				
@I_vWSCommittedCost	numeric	19,5			
@I_vWSCostCode	int				
@I_vWSCreatedDate	datetime				
@I_vWSCreatedTime	datetime				
@I_vWSExtendedCost	numeric	19,5			
@I_vWSJobName	char	31			

Element Name	Data Type	Length	Required	Default	Description
@I_vWSOtherCostSubCode	int				
@I_vWSReservedCB1	tinyint				
@I_vWSReservedCB10	tinyint				
@I_vWSReservedCB2	tinyint				
@I_vWSReservedCB3	tinyint				
@I_vWSReservedCB4	tinyint				
@I_vWSReservedCB5	tinyint				
@I_vWSReservedCB6	tinyint				
@I_vWSReservedCB7	tinyint				
@I_vWSReservedCB8	tinyint				
@I_vWSReservedCB9	tinyint				
@I_vWSReservedSTR1	char	11			
@I_vWSReservedSTR2	char	11			
@I_vWSTransactionNote	varchar	8000			
@O_iErrorState	int				
@oErrString	varchar	255			

## Error Codes

Error Code	Description
51000	Customer Number does not exist in Service.
51001	Customer Number does not exist in Microsoft Business Solutions.
51016	The Service Call does not exist in Signature.
51050	An error occurred during an update or insert into a Signature table.
52026	The Location does not exist in Signature.
52027	The Location does not exist in Microsoft Business Solutions.
52028	The Primary Bill To Location is not set for this Customer in Microsoft Business Solutions.
52032	Employee doesn't exist
52034	Employee is inactive
52036	The Pay Code is empty or missing.
52037	Pay code can't be all.
52038	The Pay Code is inactive.
52039	This is not a valid pay code for this labor group and position.
52040	The Pay Code does not exist for this employee.
52041	The Labor Group does not exist.

Error Code	Description
52042	The Pricing Matrix does not exist.

## wsisMSJobCostsWork

- [Table: SV000810 \(page 250\)](#)
- [Error Codes \(page 259\)](#)

### Table: SV000810

Element Name	Data Type	Length	Required	Default	Description
@I_vAccountIndexCredit	int				
@I_vAccountIndexDebit	int				
@I_vAddedRate	tinyint				
@I_vAddNewEquipmentRecord	tinyint				
@I_vAddressCode	char	15			
@I_vBaseCurrConversionFactor	numeric	19,7			
@I_vBaseCurrencyID	char	15			
@I_vBatchNumber	char	15			
@I_vBatchSource	char	15			
@I_vBillableCheckBox	tinyint				
@I_vBilledToJob	numeric	19,5			



Element Name	Data Type	Length	Required	Default	Description
@I_vBillingAmount	numeric	19,5			
@I_vBillingCurrConversion Factor	numeric	19,7			
@I_vBillingCurrencyID	char	15			
@I_vBillingRate	numeric	19,5			
@I_vCallInvoiceNumber	char	17			
@I_vCostCodeDescription	char	31			
@I_vCustomerNumber	char	15			
@I_vDivisions	char	15			
@I_vDocumentAmount	numeric	19,5			
@I_vDocumentDate	datetime				
@I_vDocumentType	smallint				
@I_vDynamicsStatus	char	5			
@I_vEmployeeID	char	15			
@I_vEmployeeName	char	41			
@I_vEquipmentID	char	31			
@I_vEquipmentType	char	31			

Element Name	Data Type	Length	Required	Default	Description
@I_vExtendedCost	numeric	19,5			
@I_vGLPostingDate	datetime				
@I_vInvoiceAccountIndex Credit	int				
@I_vInvoiceAccountIndex Debit	int				
@I_vItemDescription	char	101			
@I_vItemNumber	char	31			
@I_vJobTitle	char	7			
@I_vJobType	char	7			
@I_vJournalEntry	int				
@I_vLaborGroupName	char	15			
@I_vLocalCurrencyID	char	15			
@I_vManufacturerID	char	15			
@I_vNewEquipmentID	char	11			
@I_vNonBillable	tinyint				
@I_vNoteCheckbox	tinyint				
@I_vOHAccountIndexCR	int				

Element Name	Data Type	Length	Required	Default	Description
@I_vOHAccountIndexDR	int				
@I_vOHAmount	numeric	19,5			
@I_vOnlyValidate	tinyint				
@I_vOverheadWIPAccount IndexCredit	int				
@I_vPayRate	numeric	19,5			
@I_vPayRecord	char	7			
@I_vPricingMatrixName	char	15			
@I_vPYADNMBR	int				
@I_vReferenceTRXNumber	char	17			
@I_vReturnErrorText	tinyint				
@I_vREVSETRX	tinyint				
@I_vSequenceNumber	int				
@I_vServiceCallID	char	17			
@I_vServiceUserDefine1	char	21			
@I_vServiceUserDefine10	datetime				
@I_vServiceUserDefine11	datetime				

Element Name	Data Type	Length	Required	Default	Description
@I_vServiceUserDefine12	datetime				
@I_vServiceUserDefine18	tinyint				
@I_vServiceUserDefine19	tinyint				
@I_vServiceUserDefine2	char	21			
@I_vServiceUserDefine20	tinyint				
@I_vServiceUserDefine21	tinyint				
@I_vServiceUserDefine22	numeric	19,5			
@I_vServiceUserDefine23	numeric	19,5			
@I_vServiceUserDefine24	numeric	19,5			
@I_vServiceUserDefine25	numeric	19,5			
@I_vServiceUserDefine5	int				
@I_vServiceUserDefine6	int				
@I_vServiceUserDefine7	int				
@I_vServiceUserDefine8	int				
@I_vServiceUserDefine9	datetime				
@I_vShiftCode	char	7			

Element Name	Data Type	Length	Required	Default	Description
@I_vShiftPremium	numeric	19,5			
@I_vSVLanguageID	smallint				
@I_vTask_Account	int				
@I_vTaskCode	char	11			
@I_vTaxable	tinyint				
@I_vTechnicianID	char	15			
@I_vTechnicianTeam	char	15			
@I_vTimeZone	char	3			
@I_vTransactionDescription	char	31			
@I_vTransactionSource	char	25			
@I_vTravelRateName	char	15			
@I_vTravelTransaction	tinyint				
@I_vTRXHoursUnits	int				
@I_vTRXHoursUnitsBill	int				
@I_vTRXQTY	numeric	19,5			
@I_vTRXQTYBILL	numeric	19,5			

Element Name	Data Type	Length	Required	Default	Description
@I_vUnitCost	numeric	19,5			
@I_vUnitPrice	numeric	19,5			
@I_vUOfM	char	9			
@I_vUpdateIfExists	tinyint				
@I_vUserID	char	15			
@I_vUSRDEFND1	char	50			
@I_vUSRDEFND2	char	50			
@I_vUSRDEFND3	char	50			
@I_vUSRDEFND4	varchar	8000			
@I_vUSRDEFND5	varchar	8000			
@I_vVendorID	char	15			
@I_vVendorName	char	65			
@I_vVOIDPYADNMBR	int				
@I_vVoucherNumberWORK	char	17			
@I_vWensoftAffiliate	char	15			
@I_vWensoftBranch	char	15			

Element Name	Data Type	Length	Required	Default	Description
@I_vWennsoftModelNumber	char	21			
@I_vWennsoftRegion	char	15			
@I_vWennsoftSerialNumber	char	41			
@I_vWennsoftStatus	char	5			
@I_vWennSoftTablesOnly	tinyint				
@I_vWIPAccountIndexCredit	int				
@I_vWS_Grouped	tinyint				
@I_vWSCommittedCost	numeric	19,5			
@I_vWSCostCode	int				
@I_vWSCreatedDate	datetime				
@I_vWSCreatedTime	datetime				
@I_vWSExtendedCost	numeric	19,5			
@I_vWSJobName	char	31			
@I_vWSOtherCostSubCode	int				
@I_vWSReservedCB1	tinyint				

Element Name	Data Type	Length	Required	Default	Description
@I_vWSReservedCB10	tinyint				
@I_vWSReservedCB2	tinyint				
@I_vWSReservedCB3	tinyint				
@I_vWSReservedCB4	tinyint				
@I_vWSReservedCB5	tinyint				
@I_vWSReservedCB6	tinyint				
@I_vWSReservedCB7	tinyint				
@I_vWSReservedCB8	tinyint				
@I_vWSReservedCB9	tinyint				
@I_vWSReservedSTR1	char	11			
@I_vWSReservedSTR2	char	11			
@I_vWSTransactionNote	varchar	8000			
@O_iErrorState	int				
@oErrString	varchar	255			



## Error Codes

Error Code	Description
51000	Customer Number does not exist in Service.
51001	Customer Number does not exist in Microsoft Business Solutions.
51016	The Service Call does not exist in Signature.
51050	An error occurred during an update or insert into a Signature table.
52026	The Location does not exist in Signature.
52027	The Location does not exist in Microsoft Business Solutions.
52028	The Primary Bill To Location is not set for this Customer in Microsoft Business Solutions.
52029	The Reference Transaction Number is missing or blank.
52030	The Service Cost Code does not exist.
52031	The Document Date is missing or blank.
52032	Employee doesn't exist
52033	The Equipment ID does not exist.
52034	Employee is inactive
52035	The Position or Job Title does not exist.
52036	The Pay Code is empty or missing.

Error Code	Description
52037	Pay code can't be all.
52038	The Pay Code is inactive.
52039	This is not a valid pay code for this labor group and position.
52040	The Pay Code does not exist for this employee.
52041	The Labor Group does not exist.
52042	The Pricing Matrix does not exist.
52643	Invalid Transaction Source.
52644	Pay codes are only valid for payroll transactions.

## wsSMSLocation

- [Table Name: SV00200 \(page 260\)](#)
- [Error Codes \(page 272\)](#)

### Table Name: SV00200

**Other tables affected:** RM00102

**Other stored procedures called:** taCreateCustomerAddress

**Description:**

This procedure allows the insert/update of records into the Service Location table. A customer number and address code can be specified and the taCreateCustomerAddress procedure will be called to populate the RM Address Code Table (RM00102)

Element Name	Data Type	Length	Required	Default	Description
@I_vCustomerNumber	char	15	Yes		Validated in SV00100 and RM00101, convert to upper case

Element Name	Data Type	Length	Required	Default	Description
@I_vAddressCode	char	15	Yes		Converted to upper case. , Not required if update., Created or updated in RM00102
@I_vLocationName	char	31	Yes		Not required on updates.
@I_vWennsoftAffiliate	char	15	Yes		Existing Affiliate in sv00015. Only required if 'Use Global Record Identification Records' is marked on in Service. Not Required on Updates
@I_vWennsoftRegion	char	15	Yes		Existing Region in sv00015. Only required if 'Use Global Record Identification Records' is marked on in Service. Not Required on Updates
@I_vWennsoftBranch	char	15	Yes		Existing Branch in sv00015. Only required if 'Use Global Record Identification Records' is marked on in Service. Not Required on Updates
@I_vLaborGroupName	char	15	Yes		Existing Labor Rate Group in SV000122 or SV000123 (if "Use Overhead Amounts From Job Cost" Service_Option_Box_35 is marked in sv00196 SV_Setup2_MSTR).
Convert to uppercase					

Element Name	Data Type	Length	Required	Default	Description
Not required on update	if sv00196.Record = 1 and sv00196.Service_Option_Box_35 = 0 then check SV000122.Labor_Group_Name if sv00196.Record = 1 and sv00196.Service_Option_Box_35 = 1 then check SV000123.Labor_Group_Name				
@I_vPricingMatrixName	char	15	Yes		Existing PriceMatrix in SV00143, Convert to upper case, Not required on update SV00143.Pricing_Matrix_Name
@I_vUserID	char	15	No		If empty or null a truncated SQL Server login is used
@I_vTechnicianID	char	15	No		Technician ID in SV_Lookup_Technician_MSTR
@I_vTechnicianTeam	char	15	No		
@I_vCustomerName	char	65	No		
@I_vPhone1	char	21	No	##### ###	Defaults to zero.
Is right padded to fill with zeros					

Element Name	Data Type	Length	Required	Default	Description
Not formatted (i.e. 262-821-4100 Ext: 3619 would be 26282141003619) Length can't be greater than 14					
@I_vMapGrid	char	15	No		
@I_vFax	char	21	No	##### ###	Defaults to zero.
Is right padded to fill with zeros					
Not formatted (i.e. 262-821-4100 Ext: 3619 would be 26282141003619) Length can't be greater than 14					
@I_vServiceArea	char	15	No		
@I_vState	char	29	No		
@I_vZip	char	11	No		
@I_vCountry	char	61	No		
@I_vPhone2	char	21	No	##### ###	Defaults to zero.
Is right padded to fill with zeros					

Element Name	Data Type	Length	Required	Default	Description
Not formatted (i.e. 262-821-4100 Ext: 3619 would be 26282141003619) Length can't be greater than 14					
@I_vPhone3	char	21	No	##### ###	Defaults to zero.
Is right padded to fill with zeros					
Not formatted (i.e. 262-821-4100 Ext: 3619 would be 26282141003619) Length can't be greater than 14					
@I_vAddress1	char	61	No		
@I_vAddress2	char	61	No		
@I_vAddress3	char	61	No		
@I_vCity	char	35	No		
@I_vSalespersonID	char	15	No		Existing SalespersonID in RM00301
@I_vTechnician	char	11	No		
@I_vTechnician2	char	11	No		
@I_vTechnicianID2	char	15	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vContactPerson	char	61	No		
@I_vContactName	char	15	No		
@I_vHoldTransactionID	int	0	No		
@I_vSafetyFlag	tinyint	0	No		
@I_vBlanketPOCheck box	tinyint	0	No		Bool. Defaults to zero.
@I_vBlanketPONumber	char	17	No		Not validated.
@I_vOriginalBlanketPOAmount	numeric	19;5	No		>= 0. Not available on updates. Typically zero.
@I_vBlanketPOAmountSpent	numeric	19;5	No		>= 0. Not available on updates. Typically zero.
@I_vBlanketPOAmountRemainin	numeric	19;5	No		> = 0. Not available on updates. Typically zero.
@I_vBlanketPOExpirationDate	datetime	0	No	1/1/1900'	valid dex date
@I_vUserDefine1a	char	31	No		
@I_vUserDefine2a	char	31	No		
@I_vUserDefine3a	char	31	No		
@I_vUserDefine4a	char	31	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefine5a	char	31	No		
@I_vUserDefine6a	char	31	No		
@I_vPORequired	tinyint	0	No		Bool. Defaults to zero.
@I_vOutOfServiceFlag	tinyint	0	No		
@I_vAlarmFlag	tinyint	0	No		
@I_vSupervisorsID	char	15	No		
@I_vSupervisorsHoldFlag	tinyint	0	No		
@I_vCorporateCustomerNumber	char	15	No		Only available if 'Use Corporate Customer ID' option is marked in Service Setup - Service Options.
Converted to upper case.					
@I_vDivisions	char	15	No		A valid Division in SV_Division_MSTR
@I_vTravelRateName	char	15	No		
@I_vSVServiceLevelID	char	11	No		A valid SV Service Level ID in SV_Service_Level_MSTR
@I_vBillCustomerNumber	char	15	No		A valid customer in the RM00101



Element Name	Data Type	Length	Required	Default	Description
@I_vBillAddressCode	char	15	No		A valid bill to customer and bill to address code in SV00200
@I_vLongitude	numeric	19;5	No		
@I_vLatitude	numeric	19;5	No		
@I_vPriorityofCall	char	1	No		
@I_vServiceUserDefine1	char	21	No		
@I_vServiceUserDefine2	char	21	No		
@I_vServiceUserDefine3	char	31	No		
@I_vServiceUserDefine4	char	31	No		
@I_vServiceUserDefine5	int	0	No		
@I_vServiceUserDefine6	int	0	No		
@I_vServiceUserDefine7	int	0	No		
@I_vServiceUserDefine8	int	0	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vServiceUserDefine9	datetime	0	No	1/1/1900'	valid dex date
@I_vServiceUserDefine10	datetime	0	No	1/1/1900'	valid dex date
@I_vServiceUserDefine11	datetime	0	No	1/1/1900'	valid dex date
@I_vServiceUserDefine12	datetime	0	No	1/1/1900'	valid dex date
@I_vServiceUserDefine18	tinyint	0	No		bool
@I_vServiceUserDefine19	tinyint	0	No		bool
@I_vServiceUserDefine20	tinyint	0	No		bool
@I_vServiceUserDefine21	tinyint	0	No		bool
@I_vServiceUserDefine22	numeric	19;5	No		
@I_vServiceUserDefine23	numeric	19;5	No		
@I_vServiceUserDefine24	numeric	19;5	No		
@I_vServiceUserDefine25	numeric	19;5	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vTimeZone	char	3	No		
@I_vTimeZoneTag	char	5	No		Existing time zone tag in SV00045
@I_vSVLanguageID	smallint	0	No		Defaults to zero.
@I_vBaseCurrencyID	char	15	No		
@I_vBillingCurrencyID	char	15	No		
@I_vLocalCurrencyID	char	15	No		
@I_vCivic1Alpha	char	5	No		
@I_vCivic1Num	smallint	0	No		
@I_vCivic1Dir	char	5	No		
@I_vCivic2Alpha	char	5	No		
@I_vCivic2Num	smallint	0	No		
@I_vCivic2Dir	char	5	No		
@I_vStreetName	char	31	No		
@I_vStreetType	char	7	No		
@I_vPostDir	char	5	No		
@I_vSecAddType1	char	13	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vSecAddNum1	smallint	0	No		
@I_vSecAddAlpha1	char	5	No		
@I_vSecAddType2	char	13	No		
@I_vSecAddNum2	smallint	0	No		
@I_vSecAddAlpha2	char	5	No		
@I_vUseTaxSchedule	char	15	No		
@I_vRateClass	char	15	No		
@I_vStateCode	char	3	No		
@I_vSutaState	char	3	No		
@I_vLocalTax	char	7	No		
@I_vWSReservedCB1	tinyint	0	No		Bool. Defaults to zero.
@I_vWSReservedCB2	tinyint	0	No		Bool. Defaults to zero.
@I_vWSReservedCB3	tinyint	0	No		Bool. Defaults to zero.
@I_vWSReservedCB4	tinyint	0	No		Bool. Defaults to zero.
@I_vWSReservedCB5	tinyint	0	No		Bool. Defaults to zero.
@I_vWSReservedCB6	tinyint	0	No		Bool. Defaults to zero.

Element Name	Data Type	Length	Required	Default	Description
@I_vWSReservedCB7	tinyint	0	No		Bool. Defaults to zero.
@I_vWSReservedCB8	tinyint	0	No		Bool. Defaults to zero.
@I_vWSReservedCB9	tinyint	0	No		Bool. Defaults to zero.
@I_vWSReservedCB10	tinyint	0	No		Bool. Defaults to zero.
@I_vWSReservedSTR1	char	11	No		
@I_vWSReservedSTR2	char	11	No		
@I_vDEXROWID	int	0	No		
@I_vUpdateIfExists	tinyint	3	Yes	1	It can only be 0 for don't update or 1 update if exists
@I_vWennSoftTables Only	tinyint	3	Yes	0	Defaults to false.
@I_vOnlyValidate	tinyint	3	Yes	0	Defaults to false
@I_vUSRDEFND1	char	50	No		
@I_vUSRDEFND2	char	50	No		
@I_vUSRDEFND3	char	50	No		
@I_vUSRDEFND4	varchar	8000	No		
@I_vUSRDEFND5	varchar	8000	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vReturnErrorText	tinyint	3	No	1	Defaults to false
@O_iErrorState	int	10	No	0	
@oErrString	varchar	255	No		

## Error Codes

Error Code	Description
51102	The customer is empty
51000	Customer Number does not exist in Service
51001	Customer Number does not exist in Microsoft Business Solutions
52189	Address Code field is empty
52177	Affiliate, region and branch are not valid
52190	Location Name field is empty
52242	Labor Rate Group field is empty
52198	Labor Rate Group is invalid.
52263	Price Matrix field is empty.
52199	Price Matrix is invalid
52191	Phone 1 field contains an invalid value (length > 14).

Error Code	Description
52192	Phone 2 field contains an invalid value (length > 14).
52193	Phone 3 field contains an invalid value (length > 14).
52280	Fax field contains an invalid value (length > 14).
52194	Technician ID is invalid
52195	Corporate Customer Number field contains data, but the Use Corporate Customer ID option is not marked in setup.
52197	Salesperson ID is invalid
52102	Division does not exist
52060	Service Level ID does not exist
52157	Bill to customer number does not exist
52296	The Bill To Address does not exist for the Bill To Customer in RM00102 (RM_Customer_MSTR_ADDR).
52200	Blanket PO Check box is invalid.
52241	Original Blanket PO Amount is invalid.
52201	Blanket PO Amount Spent is invalid.
52202	Blanket PO Amount Remaining is invalid.
52204	Time Zone Tag is invalid.

## wsiSMSQuote

### Table Name: SV00502

**Description:**

Used to create a Fixed or NTE Quote in Service Management

Element Name	Data Type	Length	Required	Default	Description
@I_vCustomerNumber	char	15	Yes		
@I_vAddressCode	char	15	Yes		
@I_vQuoteNumber	char	11	Yes		
@I_vQuoteType	smallint	5	Yes		
@I_vQuoteDate	datetime		No		
@I_vQuoteExpirationDate	datetime		No		
@I_vWSContractNumber	char	11	No		
@I_vWSContractNumberSequence	int	10	No		
@I_vWennsoftAffiliate	char	15	No		
@I_vWennsoftRegion	char	15	No		
@I_vWennsoftBranch	char	15	No		
@I_vContractDescription	char	31	No		



Element Name	Data Type	Length	Required	Default	Description
@I_vContractInternalName	char	15	No		
@I_vUserID	char	15	No		
@I_vContractAmount	numeric	19,5	No		
@I_vBillFreq	smallint	5	No		
@I_vContractBillingDate	smallint	5	No		
@I_vSalespersonID	char	15	No		
@I_vSVServiceLevelID	char	11	No		
@I_vUserDefine1a	char	31	No		
@I_vUserDefine2a	char	31	No		
@I_vUserDefine3a	char	31	No		
@I_vUserDefine4a	char	31	No		
@I_vForecastOriginalEquipment	numeric	19,5	No		
@I_vForecastOriginalMaterial	numeric	19,5	No		
@I_vForecastOrigLabor1	numeric	19,5	No		
@I_vForecastOrigLabor1 Hours	int	10	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vForecastOrigLabor2	numeric	19,5	No		
@I_vForecastOrigLabor2 Hours	int	10	No		
@I_vForecastOrigLabor3	numeric	19,5	No		
@I_vForecastOrigLabor3 Hours	int	10	No		
@I_vForecastOrigLabor4	numeric	19,5	No		
@I_vForecastOrigLabor4 Hours	int	10	No		
@I_vForecastOrigLabor5	numeric	19,5	No		
@I_vForecastOrigLabor5 Hours	int	10	No		
@I_vForecastOriginalLabor	numeric	19,5	No		
@I_vForecastOriginalSubs	numeric	19,5	No		
@I_vForecastOriginalOther	numeric	19,5	No		
@I_vForecastOrigTotalLabor	numeric	19,5	No		
@I_vForecastOrigTotalLaborHrs	int	10	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vForecastEquipment	numeric	19,5	No		
@I_vForecastMaterial	numeric	19,5	No		
@I_vForecastLabor1	numeric	19,5	No		
@I_vForecastLabor1Hours	int	10	No		
@I_vForecastLabor2	numeric	19,5	No		
@I_vForecastLabor2Hours	int	10	No		
@I_vForecastLabor3	numeric	19,5	No		
@I_vForecastLabor3Hours	int	10	No		
@I_vForecastLabor4	numeric	19,5	No		
@I_vForecastLabor4Hours	int	10	No		
@I_vForecastLabor5	numeric	19,5	No		
@I_vForecastLabor5Hours	int	10	No		
@I_vForecastLabor	numeric	19,5	No		
@I_vForecastSubs	numeric	19,5	No		
@I_vForecastOther	numeric	19,5	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vForecastTotalCost	numeric	19,5	No		
@I_vForecastTotalLabor	numeric	19,5	No		
@I_vForecastTotalLabor Hrs	int	10	No		
@I_vBillingEquipment	numeric	19,5	No		
@I_vBillingMaterial	numeric	19,5	No		
@I_vBillingLabor1	numeric	19,5	No		
@I_vBillingLabor1Hours	int	10	No		
@I_vBillingLabor2	numeric	19,5	No		
@I_vBillingLabor2Hours	int	10	No		
@I_vBillingLabor3	numeric	19,5	No		
@I_vBillingLabor3Hours	int	10	No		
@I_vBillingLabor4	numeric	19,5	No		
@I_vBillingLabor4Hours	int	10	No		
@I_vBillingLabor5	numeric	19,5	No		
@I_vBillingLabor5Hours	int	10	No		
@I_vBillingLabor	numeric	19,5	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vBillingLaborHours	int	10	No		
@I_vBillingSubs	numeric	19,5	No		
@I_vBillingOther	numeric	19,5	No		
@I_vBillingTotal	numeric	19,5	No		
@I_vBillingPercentageEquip	numeric	19,5	No		
@I_vBillingPercentageMaterial	numeric	19,5	No		
@I_vBillingPercentageLabor	numeric	19,5	No		
@I_vBillingPercentageSubs	numeric	19,5	No		
@I_vBillingPercentageOther	numeric	19,5	No		
@I_vBillingPercentageTotal	numeric	19,5	No		
@I_vEstimateEquipment	numeric	19,5	No		
@I_vEstimateMaterial	numeric	19,5	No		
@I_vEstimateLabor1	numeric	19,5	No		
@I_vEstimateLabor1Hours	int	10	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vEstimateLabor2	numeric	19,5	No		
@I_vEstimateLabor2Hours	int	10	No		
@I_vEstimateLabor3	numeric	19,5	No		
@I_vEstimateLabor3Hours	int	10	No		
@I_vEstimateLabor4	numeric	19,5	No		
@I_vEstimateLabor4Hours	int	10	No		
@I_vEstimateLabor5	numeric	19,5	No		
@I_vEstimateLabor5Hours	int	10	No		
@I_vEstimateLabor	numeric	19,5	No		
@I_vEstimateHours	int	10	No		
@I_vEstimateSubs	numeric	19,5	No		
@I_vEstimateOther	numeric	19,5	No		
@I_vEstimateTotalCost	numeric	19,5	No		
@I_vEstimateTotalLabor	numeric	19,5	No		
@I_vEstimateTotalLaborHrs	int	10	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vAnnualContractValue	numeric	19,5	No		
@I_vRevenueRecognitionMethodID	smallint	5	No		
@I_vInvoiceStyle	smallint	5	No		
@I_vMultiyearContractFlag	tinyint	3	No		
@I_vWSContractStartDate	datetime		No		
@I_vContractExpirationDate	datetime		No		
@I_vServiceUserDefine3	char	31	No		
@I_vServiceUserDefine5	int	10	No		
@I_vServiceUserDefine6	int	10	No		
@I_vServiceUserDefine9	datetime		No		
@I_vServiceUserDefine10	datetime		No		
@I_vServiceUserDefine18	tinyint	3	No		
@I_vServiceUserDefine19	tinyint	3	No		
@I_vServiceUserDefine22	numeric	19,5	No		
@I_vServiceUserDefine23	numeric	19,5	No		

Element Name	Data Type	Length	Required	Default	Description
@I_vServiceUserDefine24	numeric	19,5	No		
@I_vAutoBill	tinyint	3	No		
@I_vCancelBox	tinyint	3	No		
@I_vHold	tinyint	3	No		
@I_vExcessCost	numeric	19,5	No		
@I_vContractNTEUnits	int	10	No		
@I_vContractActualUnits	int	10	No		
@I_vWarrantyCheckbox	tinyint	3	No		
@I_vTimeZone	char	3	No		
@I_vBaseCurrencyID	char	15	No		
@I_vBillingCurrencyID	char	15	No		
@I_vLocalCurrencyID	char	15	No		
@I_vHoldReasonID	smallint	5	No		
@I_vLastReviewDate	datetime		No		
@I_vLastReviewUserID	char	15	No		
@I_vEvergreenContractFlag	tinyint	3	No		



Element Name	Data Type	Length	Required	Default	Description
@I_vContractUnitsMeasure	char	15	No		
@I_vPricingMatrixName	char	15	No		
@I_vWSReservedCB1	tinyint	3	No		
@I_vWSReservedCB2	tinyint	3	No		
@I_vWSReservedCB3	tinyint	3	No		
@I_vWSReservedCB5	tinyint	3	No		
@I_vWSReservedCB6	tinyint	3	No		
@I_vWSReservedCB7	tinyint	3	No		
@I_vWSReservedCB8	tinyint	3	No		
@I_vWSReservedCB9	tinyint	3	No		
@I_vWSReservedCB10	tinyint	3	No		
@I_vWSReservedSTR1	char	11	No		
@I_vWSReservedSTR2	char	11	No		
@I_vDEXROWID	int	10	No		
@I_vUpdateIfExists	tinyint	3	Yes	0	
@I_vWennSoftTablesOnly	tinyint	3	Yes	0	

Element Name	Data Type	Length	Required	Default	Description
@I_vOnlyValidate	tinyint	3	Yes	0	
@I_vUSRDEFND1	char	50	No		
@I_vUSRDEFND2	char	50	No		
@I_vUSRDEFND3	char	50	No		
@I_vUSRDEFND4	varchar	8000	No		
@I_vUSRDEFND5	varchar	8000	No		
@I_vReturnErrorText	tinyint	3	No	1	
@O_iErrorState	int	10	No	0	
@oErrString	varchar	255	No		

## wsiSMSQuoteTask

- [Table: SV00545 \(page 284\)](#)
- [Error Codes \(page 292\)](#)

### Table: SV00545

Element Name	Data Type	Length	Required	Default	Description
@I_vAddressCode	char	15			
@I_vBaseCurrencyID	char	15			
@I_vBillableEquipment	numeric	19,5			

Element Name	Data Type	Length	Required	Default	Description
@I_vBillableLabor1	numeric	19,5			
@I_vBillableLabor2	numeric	19,5			
@I_vBillableLabor3	numeric	19,5			
@I_vBillableLabor4	numeric	19,5			
@I_vBillableLabor5	numeric	19,5			
@I_vBillableMaterial	numeric	19,5			
@I_vBillableOther	numeric	19,5			
@I_vBillableSubs	numeric	19,5			
@I_vBillingCurrencyID	char	15			
@I_vCoverageCode	smallint				
@I_vCurrentRunUnits	numeric	19,5			
@I_vCustomerContractNumber	char	15			
@I_vCustomerNumber	char	15			
@I_vEndDate	datetime				
@I_vEquipmentID	char	31			
@I_vEquipmentType	char	31			

Element Name	Data Type	Length	Required	Default	Description
@I_vEstimateEquipment	numeric	19,5			
@I_vEstimateHours	int				
@I_vEstimateLabor	numeric	19,5			
@I_vEstimateLabor1	numeric	19,5			
@I_vEstimateLabor1Hours	int				
@I_vEstimateLabor2	numeric	19,5			
@I_vEstimateLabor2Hours	int				
@I_vEstimateLabor3	numeric	19,5			
@I_vEstimateLabor3Hours	int				
@I_vEstimateLabor4	numeric	19,5			
@I_vEstimateLabor4Hours	int				
@I_vEstimateLabor5	numeric	19,5			
@I_vEstimateLabor5Hours	int				
@I_vEstimateMaterial	numeric	19,5			
@I_vEstimateOther	numeric	19,5			

Element Name	Data Type	Length	Required	Default	Description
@I_vEstimateSubs	numeric	19,5			
@I_vEstimateTotalCost	numeric	19,5			
@I_vID1	char	11			
@I_vID2	char	11			
@I_vInactive	tinyint				
@I_vLastRunUnits	numeric	19,5			
@I_vLocalCurrencyID	char	15			
@I_vMaterialKitQuantity	int				
@I_vMaterialKitRequired	char	31			
@I_vOnlyValidate	tinyint				
@I_vOptional	tinyint				
@I_vPMGroup	char	3			
@I_vQuoteNumber	char	11			
@I_vQuoteTaskListID	char	11			
@I_vReturnErrorText	tinyint				
@I_vRunUnits	numeric	19,5			

Element Name	Data Type	Length	Required	Default	Description
@I_vSchedule	smallint				
@I_vSkillLevel	char	15			
@I_vStartDate	datetime				
@I_vSub1	char	15			
@I_vSub2	char	15			
@I_vSub3	char	15			
@I_vSub4	char	15			
@I_vSubcontractorID	char	15			
@I_vSVLanguageID	smallint				
@I_vTask_Description_Long	char	255			
@I_vTask_Hierarchy	char	41			
@I_vTaskCode	char	11			
@I_vTaskDescription	char	61			
@I_vTaskHours	int				
@I_vTaskUserDefine1	char	21			
@I_vTaskUserDefine10	datetime				

Element Name	Data Type	Length	Required	Default	Description
@I_vTaskUserDefine11	datetime				
@I_vTaskUserDefine12	datetime				
@I_vTaskUserDefine13	numeric	19,5			
@I_vTaskUserDefine14	numeric	19,5			
@I_vTaskUserDefine15	numeric	19,5			
@I_vTaskUserDefine16	numeric	19,5			
@I_vTaskUserDefine17	numeric	19,5			
@I_vTaskUserDefine18	tinyint				
@I_vTaskUserDefine19	tinyint				
@I_vTaskUserDefine2	char	21			
@I_vTaskUserDefine20	tinyint				
@I_vTaskUserDefine21	tinyint				
@I_vTaskUserDefine3	char	31			
@I_vTaskUserDefine4	char	31			
@I_vTaskUserDefine5	int				
@I_vTaskUserDefine6	int				

Element Name	Data Type	Length	Required	Default	Description
@I_vTaskUserDefine7	int				
@I_vTaskUserDefine8	int				
@I_vTaskUserDefine9	datetime				
@I_vTechnicianID	char	15			
@I_vTechnicianTeam	char	15			
@I_vTimeZone	char	3			
@I_vToolKitRequired	char	15			
@I_vUpdateIfExists	tinyint				
@I_vUserID	char	15			
@I_vUSRDEFND1	char	50			
@I_vUSRDEFND2	char	50			
@I_vUSRDEFND3	char	50			
@I_vUSRDEFND4	varchar	8000			
@I_vUSRDEFND5	varchar	8000			
@I_vWeek1	tinyint				
@I_vWeek2	tinyint				



Element Name	Data Type	Length	Required	Default	Description
@I_vWeek3	tinyint				
@I_vWeek4	tinyint				
@I_vWeek5	tinyint				
@I_vWennsoftAffiliate	char	15			
@I_vWennsoftBranch	char	15			
@I_vWennsoftCloseDate	datetime				
@I_vWennsoftRegion	char	15			
@I_vWennSoftTablesOnly	tinyint				
@I_vWSFrequency	char	15			
@I_vWSMajor	char	15			
@I_vWSReservedCB1	tinyint				
@I_vWSReservedCB10	tinyint				
@I_vWSReservedCB2	tinyint				
@I_vWSReservedCB3	tinyint				
@I_vWSReservedCB4	tinyint				
@I_vWSReservedCB5	tinyint				

Element Name	Data Type	Length	Required	Default	Description
@I_vWSReservedCB6	tinyint				
@I_vWSReservedCB7	tinyint				
@I_vWSReservedCB8	tinyint				
@I_vWSReservedCB9	tinyint				
@I_vWSReservedSTR1	char	11			
@I_vWSReservedSTR2	char	11			
@I_vWSSystem	char	15			
@I_vYRMOD	smallint				
@I_vYRREM	smallint				
@O_iErrorState	int				
@oErrString	varchar	255			

## Error Codes

Error Code	Description
51112	The Customer Number does not exist.
52027	The Address Code does not exist.
52213	The Equipment record does not exist.

Error Code	Description
52231	The Task Code does not exist.
52232	The frequency/schedule combination does not exist in the SV00541 table.
52307	Error inserting record into the quote sub task table (SV00546).
52308	Error inserting record into the quote task materials table (SV00549).
52311	Error inserting/updating the quote task table (SV00545).
52312	Error inserting into the quote task list master table (SV00544).
52313	Error inserting into the quote equipment master table (SV00402).
52314	The given quote does not exist in the quote master table (SV00502).

## wsiSMSServiceCall

- [Table: SV00300 \(page 293\)](#)
- [Error Codes \(page 301\)](#)

### Table: SV00300

Element Name	Data Type	Length	Required	Default	Description
@I_vServiceCallID	char	17			
@I_vServiceDescription	varchar	MAX			Changed size to save any description longer than 30 characters as a note
@I_vAddressCode	char	15			
@I_vCustomerNumber	char	15			
@I_vCorporateCustomerNumber	char	15			

Element Name	Data Type	Length	Required	Default	Description
@I_vUserID	char	15			
@I_vTechnicianID	char	15			
@I_vTechnicianTeam	char	15			
@I_vRoute	char	15			
@I_vTechnician	char	11			
@I_vTechnicianID2	char	15			
@I_vTypeofProblemID	char	3			
@I_vTypeofProblem	char	31			
@I_vResolutionID	char	3			
@I_vResolutionDescription	varchar	255			
@I_vEquipmentID	char	31			
@I_vEquipmentType	char	31			
@I_vTypeCallShort	char	3			
@I_vUserDefine1a	char	31			
@I_vUserDefine2a	char	31			
@I_vUserDefine3a	char	31			
@I_vUserDefine4a	char	31			
@I_vPurchaseOrder	char	15			
@I_vDateofServiceCall	datetime	8			
@I_vStartTime	datetime	8			
@I_vEstimateHours	int	4			
@I_vSalespersonID	char	15			
@I_vPriorityofCall	char	1			
@I_vStatusofCall	char	11			

Element Name	Data Type	Length	Required	Default	Description
@I_vCallInvoiceNumber	char	17			
@I_vInvoiceStyle	smallint	2			
@I_vSVCompletionDate	datetime	8			
@I_vWSTime1	datetime	8			
@I_vTimeString11	char	11			
@I_vTimeString12	char	11			
@I_vTimeString13	char	11			
@I_vTimeString14	char	11			
@I_vTimeString15	char	11			
@I_vTimeString16	char	11			
@I_vServiceDate1	datetime	8			
@I_vServiceDate2	datetime	8			
@I_vServiceDate3	datetime	8			
@I_vServiceDate4	datetime	8			
@I_vServiceDate5	datetime	8			
@I_vServiceDate6	datetime	8			
@I_vServiceTime1	datetime	8			
@I_vServiceTime2	datetime	8			
@I_vServiceTime3	datetime	8			
@I_vServiceTime4	datetime	8			
@I_vServiceTime5	datetime	8			
@I_vServiceTime6	datetime	8			
@I_vTimeZone	char	3			

Element Name	Data Type	Length	Required	Default	Description
@I_vDate	datetime	8			
@I_vDivision	smallint	2			
@I_vDivisions	char	15			
@I_vCallTime	int	4			
@I_vCorporateContractNumber	char	21			
@I_vWSMasterContractSeqNumber	int	4			
@I_vWSContractNumber	char	11			
@I_vWSContractNumberSequence	int	4			
@I_vInvoiceType	smallint	2			
@I_vPosted	tinyint	1			
@I_vAddedRate	tinyint	1			
@I_vBillingAmountFixed	numeric	9			
@I_vBillingAmountNTE	numeric	9			
@I_vBillableAll	numeric	9			
@I_vCostAll	numeric	9			
@I_vTaxAmount1	numeric	9			
@I_vTaxAmount2	numeric	9			
@I_vTaxAmount3	numeric	9			
@I_vLaborBillingCategory1	numeric	9			
@I_vLaborBillingCategory2	numeric	9			

Element Name	Data Type	Length	Required	Default	Description
@I_vLaborBillingCategory3	numeric	9			
@I_vLaborBillingCategory4	numeric	9			
@I_vLaborBillingCategory5	numeric	9			
@I_vBillableEquipment	numeric	9			
@I_vBillableLabor	numeric	9			
@I_vBillableMaterial	numeric	9			
@I_vBillableOther	numeric	9			
@I_vBillableSubs	numeric	9			
@I_vBillableTax	numeric	9			
@I_vLaborCostCategory1	numeric	9			
@I_vLaborCostCategory2	numeric	9			
@I_vLaborCostCategory3	numeric	9			
@I_vLaborCostCategory4	numeric	9			
@I_vLaborCostCategory5	numeric	9			
@I_vCostEquipment	numeric	9			
@I_vCostLabor	numeric	9			
@I_vCostMaterial	numeric	9			
@I_vCostOther	numeric	9			
@I_vCostSubs	numeric	9			
@I_vCostTax	numeric	9			

Element Name	Data Type	Length	Required	Default	Description
@I_vCallerEmailAddresses	char	41			
@I_vCallerName	char	31			
@I_vCallerPhone	char	21			
@I_vCallback	tinyint	1			
@I_vWSJobNumber	char	17			
@I_vOrigCallID	char	17			
@I_vPOOutstandingStatus	char	15			
@I_vWCAOriginatingCall	char	17			
@I_vWCATechnician	char	15			
@I_vServiceUserDefine1	char	21			
@I_vServiceUserDefine2	char	21			
@I_vServiceUserDefine3	char	31			
@I_vServiceUserDefine4	char	31			
@I_vServiceUserDefine5	int	4			
@I_vServiceUserDefine6	int	4			
@I_vServiceUserDefine7	int	4			
@I_vServiceUserDefine8	int	4			
@I_vServiceUserDefine9	datetime	8			



Element Name	Data Type	Length	Required	Default	Description
@I_vServiceUserDefine 10	datetime	8			
@I_vServiceUserDefine 11	datetime	8			
@I_vServiceUserDefine 12	datetime	8			
@I_vServiceUserDefine 18	tinyint	1			
@I_vServiceUserDefine 19	tinyint	1			
@I_vServiceUserDefine 20	tinyint	1			
@I_vServiceUserDefine 21	tinyint	1			
@I_vServiceUserDefine 22	numeric	9			
@I_vServiceUserDefine 23	numeric	9			
@I_vServiceUserDefine 24	numeric	9			
@I_vServiceUserDefine 25	numeric	9			
@I_vSVLanguageID	smallint	2			
@I_vBaseCurrencyID	char	15			
@I_vBaseCurrConversionFactor	numeric	9			
@I_vBillingCurrencyID	char	15			
@I_vBillingCurrConversionFactor	numeric	9			
@I_vLocalCurrencyID	char	15			
@I_vTrackInJobCost	tinyint	1			

Element Name	Data Type	Length	Required	Default	Description
@I_vTransferToWSJob	char	17			
@I_vBilledToJobEquipment	numeric	9			
@I_vBilledToJobMaterial	numeric	9			
@I_vBilledToJobLabor	numeric	9			
@I_vBilledToJobSubcontractor	numeric	9			
@I_vBilledToJobOther	numeric	9			
@I_vWSReservedCB1	tinyint	1			
@I_vWSReservedCB2	tinyint	1			
@I_vWSReservedCB3	tinyint	1			
@I_vWSReservedCB4	tinyint	1			
@I_vWSReservedCB5	tinyint	1			
@I_vWSReservedSTR1	char	11			
@I_vWSReservedSTR2	char	11			
@I_vSkipShiftCheck	tinyint	1			
@I_vSkipDoubleBookCheck	tinyint	1			
@I_vUpdateIfExists	tinyint	1			
@I_vWennSoftTablesOnly	tinyint	1			
@I_vOnlyValidate	tinyint	1			
@I_vUSRDEFND1	char	50			
@I_vUSRDEFND2	char	50			
@I_vUSRDEFND3	char	50			
@I_vUSRDEFND4	varchar	8000			

Element Name	Data Type	Length	Required	Default	Description
@I_vUSRDEFND5	varchar	8000			
@I_vModifiedUserID	char	15			
@I_vReturnErrorText	tinyint	1			
@O_iErrorState	int	4			
@oErrString	varchar	255			
@I_vBill_Customer_Nu mber	char	15			
@I_vBill_Address_Cod e	char	15			
@I_vVendor_Quote_Pr inted	smallint	2			
@I_vSV_Call_Source	int	4			
@I_vSV_Call_Source_I D1	char	40			
@I_vSV_Call_Source_I D2	char	40			
@O_CreatedServiceCal IID	char	17			

## Error Codes

Error Code	Description
51009	Tech Branch does not match global filter.
51111	The Division does not exist.
51112	The Customer Number does not exist.
52027	The Address Code does not exist.

Error Code	Description
52102	The Division does not exist.
52143	The Technician does not exist.
52159	The contract does not exist.
52213	The Equipment record does not exist.
52399	Enter the date of service call.
52400	The Call Status must be OPEN, CLOSED or COMPLETE.
52401	The Problem Type does not exist.
52402	The Call Type does not exist.
52403	Error inserting/updating to the service call master.

## wsISMSServiceTasksMaster

- [Table: SV00302 \(page 302\)](#)
- [Error Codes \(page 309\)](#)

### Table: SV00302

Element Name	Data Type	Length	Required	Default	Description
@I_vAddressCode	char	15			
@I_vBillableEquipment	numeric	19,5			
@I_vBillableLabor1	numeric	19,5			

Element Name	Data Type	Length	Required	Default	Description
@I_vBillableLabor2	numeric	19,5			
@I_vBillableLabor3	numeric	19,5			
@I_vBillableLabor4	numeric	19,5			
@I_vBillableLabor5	numeric	19,5			
@I_vBillableMaterial	numeric	19,5			
@I_vBillableOther	numeric	19,5			
@I_vBillableSubs	numeric	19,5			
@I_vComponentFlag	tinyint				
@I_vCoverageCode	smallint				
@I_vCreateDate	datetime				
@I_vCreatedUserID	char	15			
@I_vCurrentRunUnits	numeric	19,5			
@I_vCustomerNumber	char	15			
@I_vEquipmentID	char	31			
@I_vEquipmentType	char	31			
@I_vEstimateEquipment	numeric	19,5			

Element Name	Data Type	Length	Required	Default	Description
@I_vEstimateHours	int				
@I_vEstimateLabor	numeric	19,5			
@I_vEstimateLabor1	numeric	19,5			
@I_vEstimateLabor1Hours	int				
@I_vEstimateLabor2	numeric	19,5			
@I_vEstimateLabor2Hours	int				
@I_vEstimateLabor3	numeric	19,5			
@I_vEstimateLabor3Hours	int				
@I_vEstimateLabor4	numeric	19,5			
@I_vEstimateLabor4Hours	int				
@I_vEstimateLabor5	numeric	19,5			
@I_vEstimateLabor5Hours	int				
@I_vEstimateMaterial	numeric	19,5			
@I_vEstimateOther	numeric	19,5			
@I_vEstimateSubs	numeric	19,5			

Element Name	Data Type	Length	Required	Default	Description
@I_vEstimateTotalCost	numeric	19,5			
@I_vItemtype	smallint				
@I_vLastRunUnits	numeric	19,5			
@I_vLocationEquipment	char	51			
@I_vMaterialKitQuantity	int				
@I_vMaterialKitRequired	char	31			
@I_vOnlyValidate	tinyint				
@I_vOriginating_Call_Respons	text				
@I_vResolutionCode	char	11			
@I_vReturnErrorText	tinyint				
@I_vRunUnits	numeric	19,5			
@I_vServiceCallID	char	17			
@I_vSkillLevel	char	15			
@I_vSub1	char	15			
@I_vSub2	char	15			
@I_vSub3	char	15			

Element Name	Data Type	Length	Required	Default	Description
@I_vSub4	char	15			
@I_vSubTaskCode	char	11			
@I_vSubTaskLineNumber	int				
@I_vSVActualTime	int				
@I_vSVCompletionDate	datetime				
@I_vTask_Hierarchy	char	41			
@I_vTaskCode	char	11			
@I_vTaskComment1	char	121			
@I_vTaskComment2	char	121			
@I_vTaskComment3	char	121			
@I_vTaskDescription	char	61			
@I_vTaskDescriptionLong	char	255			
@I_vTaskLineNumber	int				
@I_vTaskListID	char	11			
@I_vTaskStatus	char	11			
@I_vTaskUserDefine1	char	21			



Element Name	Data Type	Length	Required	Default	Description
@I_vTaskUserDefine10	datetime				
@I_vTaskUserDefine11	datetime				
@I_vTaskUserDefine12	datetime				
@I_vTaskUserDefine13	numeric	19,5			
@I_vTaskUserDefine14	numeric	19,5			
@I_vTaskUserDefine15	numeric	19,5			
@I_vTaskUserDefine16	numeric	19,5			
@I_vTaskUserDefine17	numeric	19,5			
@I_vTaskUserDefine18	tinyint				
@I_vTaskUserDefine19	tinyint				
@I_vTaskUserDefine2	char	21			
@I_vTaskUserDefine20	tinyint				
@I_vTaskUserDefine21	tinyint				
@I_vTaskUserDefine3	char	31			
@I_vTaskUserDefine4	char	31			
@I_vTaskUserDefine5	int				

Element Name	Data Type	Length	Required	Default	Description
@I_vTaskUserDefine6	int				
@I_vTaskUserDefine7	int				
@I_vTaskUserDefine8	int				
@I_vTaskUserDefine9	datetime				
@I_vTimeZone	char	3			
@I_vToolkitRequired	char	15			
@I_vTroubleCode	char	11			
@I_vUpdateIfExists	tinyint				
@I_vUserDefine1a	char	31			
@I_vUSRDEFND1	char	50			
@I_vUSRDEFND2	char	50			
@I_vUSRDEFND3	char	50			
@I_vUSRDEFND4	varchar	8000			
@I_vUSRDEFND5	varchar	8000			
@I_vWensoftAffiliate	char	15			
@I_vWensoftBranch	char	15			

Element Name	Data Type	Length	Required	Default	Description
@I_vWennsoftMasterEquipID	char	31			
@I_vWennsoftRegion	char	15			
@I_vWennSoftTablesOnly	tinyint				
@I_vWSMajor	char	15			
@I_vWSSystem	char	15			
@O_iErrorState	int				
@oErrString	varchar	255			

## Error Codes

Error Code	Description
52213	The Equipment record does not exist.
52231	The Task Code does not exist.
52387	The Service Call does not exist.
52391	The Skill Level does not exist.
52648	Insert/Update failed for table SV00302.

## wsiSMSTaskCodes

- [Table: SV00560 \(page 310\)](#)
- [Error Codes \(page 316\)](#)

**Table: SV00560**

Element Name	Data Type	Length	Required	Default	Description
@I_vBillableEquipment	numeric	19,5			
@I_vBillableLabor1	numeric	19,5			
@I_vBillableLabor2	numeric	19,5			
@I_vBillableLabor3	numeric	19,5			
@I_vBillableLabor4	numeric	19,5			
@I_vBillableLabor5	numeric	19,5			
@I_vBillableMaterial	numeric	19,5			
@I_vBillableOther	numeric	19,5			
@I_vBillableSubs	numeric	19,5			
@I_vCoverageCode	smallint				
@I_vEquipmentType	char	31			
@I_vEstimateEquipment	numeric	19,5			
@I_vEstimateHours	int				
@I_vEstimateLabor	numeric	19,5			
@I_vEstimateLabor1	numeric	19,5			

Element Name	Data Type	Length	Required	Default	Description
@I_vEstimateLabor1Hours	int				
@I_vEstimateLabor2	numeric	19,5			
@I_vEstimateLabor2Hours	int				
@I_vEstimateLabor3	numeric	19,5			
@I_vEstimateLabor3Hours	int				
@I_vEstimateLabor4	numeric	19,5			
@I_vEstimateLabor4Hours	int				
@I_vEstimateLabor5	numeric	19,5			
@I_vEstimateLabor5Hours	int				
@I_vEstimateMaterial	numeric	19,5			
@I_vEstimateOther	numeric	19,5			
@I_vEstimateSubs	numeric	19,5			
@I_vEstimateTotalCost	numeric	19,5			
@I_vItemType	smallint				
@I_vMaterialKitQuantity	int				

Element Name	Data Type	Length	Required	Default	Description
@I_vMaterialKitRequired	char	31			
@I_vOnlyValidate	tinyint				
@I_vOptional	tinyint				
@I_vReturnErrorText	tinyint				
@I_vRunUnits	numeric	19,5			
@I_vSchedule	smallint				
@I_vSkillLevel	char	15			
@I_vSub1	char	15			
@I_vSub2	char	15			
@I_vSub3	char	15			
@I_vSub4	char	15			
@I_vSVLanguageID	smallint				
@I_vTaskCode	char	11			
@I_vTaskDescription	char	61			
@I_vTaskHours	int				
@I_vTaskUserDefine1	char	21			

Element Name	Data Type	Length	Required	Default	Description
@I_vTaskUserDefine10	datetime				
@I_vTaskUserDefine11	datetime				
@I_vTaskUserDefine12	datetime				
@I_vTaskUserDefine13	numeric	19,5			
@I_vTaskUserDefine14	numeric	19,5			
@I_vTaskUserDefine15	numeric	19,5			
@I_vTaskUserDefine16	numeric	19,5			
@I_vTaskUserDefine17	numeric	19,5			
@I_vTaskUserDefine18	tinyint				
@I_vTaskUserDefine19	tinyint				
@I_vTaskUserDefine2	char	21			
@I_vTaskUserDefine20	tinyint				
@I_vTaskUserDefine21	tinyint				
@I_vTaskUserDefine3	char	31			
@I_vTaskUserDefine4	char	31			
@I_vTaskUserDefine5	int				

Element Name	Data Type	Length	Required	Default	Description
@I_vTaskUserDefine6	int				
@I_vTaskUserDefine7	int				
@I_vTaskUserDefine8	int				
@I_vTaskUserDefine9	datetime				
@I_vTechnicianID	char	15			
@I_vTechnicianTeam	char	15			
@I_vTimeZone	char	3			
@I_vToolKitRequired	char	15			
@I_vUpdateIfExists	tinyint				
@I_vUserID	char	15			
@I_vUSRDEFND1	char	50			
@I_vUSRDEFND2	char	50			
@I_vUSRDEFND3	char	50			
@I_vUSRDEFND4	varchar	8000			
@I_vUSRDEFND5	varchar	8000			
@I_vWeek1	tinyint				



Element Name	Data Type	Length	Required	Default	Description
@I_vWeek2	tinyint				
@I_vWeek3	tinyint				
@I_vWeek4	tinyint				
@I_vWeek5	tinyint				
@I_vWennsoftAffiliate	char	15			
@I_vWennsoftBranch	char	15			
@I_vWennsoftRegion	char	15			
@I_vWennSoftTablesOnly	tinyint				
@I_vWSFrequency	char	15			
@I_vWSMajor	char	15			
@I_vWSReservedCB1	tinyint				
@I_vWSReservedCB10	tinyint				
@I_vWSReservedCB2	tinyint				
@I_vWSReservedCB3	tinyint				
@I_vWSReservedCB4	tinyint				
@I_vWSReservedCB5	tinyint				

Element Name	Data Type	Length	Required	Default	Description
@I_vWSReservedCB6	tinyint				
@I_vWSReservedCB7	tinyint				
@I_vWSReservedCB8	tinyint				
@I_vWSReservedCB9	tinyint				
@I_vWSReservedSTR1	char	11			
@I_vWSReservedSTR2	char	11			
@I_vWSSystem	char	15			
@O_iErrorState	int				
@ErrString	varchar	255			

## Error Codes

Error Code	Description
52351	WSReservedCB3 is invalid. Enter 0 or 1.
52352	WSReservedCB4 is invalid. Enter 0 or 1.
52353	WSReservedCB5 is invalid. Enter 0 or 1.
52354	WSReservedCB6 is invalid. Enter 0 or 1.
52355	WSReservedCB7 is invalid. Enter 0 or 1.

Error Code	Description
52356	WSReservedCB8 is invalid. Enter 0 or 1.
52357	WSReservedCB9 is invalid. Enter 0 or 1.
52358	WSReservedCB10 is invalid. Enter 0 or 1.
52363	WSReservedCB1 is invalid. Enter 0 or 1.
52364	WSReservedCB2 is invalid. Enter 0 or 1.
52365	The task code is blank.
52366	The skill level code is blank.
52367	The skill level code does not exist.
52368	The material kit required does not exist.
52369	The tool kit required does not exist.
52370	The task frequency is blank.
52371	The task frequency does not exist.
52372	The coverage code is blank.
52373	The <del>System</del> field entry was not found
52374	The sub 1 entry does not exist.
52375	The sub 2 entry does not exist.

Error Code	Description
52376	The sub 3 entry does not exist.
52377	The sub 4 entry does not exist.
52378	The Major field entry was not found.
52383	The suggested schedule does not exist.
52384	Error updating record in the SV00560 table.
52385	Error inserting record in the SV00560 table.

## wsiSMSTechnician

- [Table: SV00115 \(page 318\)](#)
- [Error Codes \(page 321\)](#)

### Table: SV00115

Element Name	Data Type	Length	Required	Default	Description
@I_vAllowableOvertimeHours	smallint				
@I_vEmployeeID	char	15			
@I_vEmployeeVehicle	char	15			
@I_vEPACertification	char	51			
@I_vOnlyValidate	tinyint				
@I_vPagerNumber	char	21			

Element Name	Data Type	Length	Required	Default	Description
@I_vPrimarySkillLevel	char	15			
@I_vRDCAccessNumber	char	21			
@I_vReturnErrorText	tinyint				
@I_vSVInactive	tinyint				
@I_vSVLanguageID	smallint				
@I_vSVPagerPIN	char	41			
@I_vSVPagerVendorID	char	11			
@I_vTechnician	char	11			
@I_vTechnicianID	char	15			
@I_vTechnicianLongName	char	31			
@I_vTechnicianTeam	char	15			
@I_vTimeZone	char	3			
@I_vTimeZoneTag	char	5			
@I_vUpdateIfExists	tinyint				
@I_vUserID	char	15			
@I_vUSRDEFND1	char	50			

Element Name	Data Type	Length	Required	Default	Description
@I_vUSRDEFND2	char	50			
@I_vUSRDEFND3	char	50			
@I_vUSRDEFND4	varchar	8000			
@I_vUSRDEFND5	varchar	8000			
@I_vVendorID	char	15			
@I_vVendorSwitch	tinyint				
@I_vWensoftAffiliate	char	15			
@I_vWensoftBranch	char	15			
@I_vWensoftRegion	char	15			
@I_vWennSoftTablesOnly	tinyint				
@I_vWSReservedCB1	tinyint				
@I_vWSReservedCB10	tinyint				
@I_vWSReservedCB2	tinyint				
@I_vWSReservedCB3	tinyint				
@I_vWSReservedCB4	tinyint				
@I_vWSReservedCB5	tinyint				

Element Name	Data Type	Length	Required	Default	Description
@I_vWSReservedCB6	tinyint				
@I_vWSReservedCB7	tinyint				
@I_vWSReservedCB8	tinyint				
@I_vWSReservedCB9	tinyint				
@I_vWSReservedSTR1	char	11			
@I_vWSReservedSTR2	char	11			
@O_iErrorState	int				
@oErrString	varchar	255			

## Error Codes

Error Code	Description
52132	Employee ID does not exist.
52177	Affiliate, region and branch are not valid.
52204	Time Zone Tag is invalid.
52228	Technician Team does not exist.
52261	Vendor ID does not exist
52297	The UpdateIfExists parameter is invalid: 0=Do Not Update 1=Update if exists.

Error Code	Description
52346	Technician field is empty.
52347	Pager Number field contains an invalid value (length > 14).
52348	Skill Level does not exist. In the SV00572, Skill Level and SV Language ID are the primary key and both need to be valid.
52349	MobileTech User Checkbox (WSReservedCB1) is invalid. Enter 0 or 1.
52350	Allow Double Checkbox (WSReservedCB2) is invalid. Enter 0 or 1.
52351	WSReservedCB3 is invalid. Enter 0 or 1.
52352	WSReservedCB4 is invalid. Enter 0 or 1.
52353	WSReservedCB5 is invalid. Enter 0 or 1.
52354	WSReservedCB6 is invalid. Enter 0 or 1.
52355	WSReservedCB7 is invalid. Enter 0 or 1.
52356	WSReservedCB8 is invalid. Enter 0 or 1.
52357	WSReservedCB9 is invalid. Enter 0 or 1.
52358	WSReservedCB10 is invalid. Enter 0 or 1.
52359	SVInactive Checkbox is invalid. 0 = Active 1=Inactive.
52360	SV Pager Vendor ID does not exist in SV_Pager_Vendor_MSTR (SVPGVNDR).
52361	Error updating record in the SV00115 table.



Error Code	Description
52362	Error inserting record in the SV00115 table.
52382	A Vendor ID and Employee ID cannot be assigned to the same record.

## wsiSMSVehicle

- [Table: SV00113 \(page 323\)](#)
- [Error Codes \(page 326\)](#)

### Table: SV00113

**Description:** This will create/update vehicle records in SV00113.

Element Name	Data Type	Length	Required	Default	Description
@I_vAltitude	numeric	19,5			
@I_vLatitude	numeric	19,5			
@I_vLongitude	numeric	19,5			
@I_vOnlyValidate	tinyint				
@I_vReturnErrorText	tinyint				
@I_vServiceUserDefine1	char	21			
@I_vServiceUserDefine1 0	datetime				
@I_vServiceUserDefine1 1	datetime				
@I_vServiceUserDefine1 2	datetime				

Element Name	Data Type	Length	Required	Default	Description
@I_vServiceUserDefine18	tinyint				
@I_vServiceUserDefine19	tinyint				
@I_vServiceUserDefine20	char	21			
@I_vServiceUserDefine21	tinyint				
@I_vServiceUserDefine22	numeric	19,5			
@I_vServiceUserDefine23	numeric	19,5			
@I_vServiceUserDefine24	numeric	19,5			
@I_vServiceUserDefine25	numeric	19,5			
@I_vServiceUserDefine3	char	31			
@I_vServiceUserDefine4	char	31			
@I_vServiceUserDefine5	int				
@I_vServiceUserDefine6	int				
@I_vServiceUserDefine7	int				

Element Name	Data Type	Length	Required	Default	Description
@I_vServiceUserDefine8	int				
@I_vServiceUserDefine9	datetime				
@I_vTechnician	char	11			
@I_vUpdateIfExists	tinyint				
@I_vUSRDEFND1	char	50			
@I_vUSRDEFND2	char	50			
@I_vUSRDEFND3	char	50			
@I_vUSRDEFND4	varchar	8000			
@I_vUSRDEFND5	varchar	8000			
@I_vVehicleDescription	char	101			
@I_vVehicleID	char	101			
@I_vVehicleStatus	char	51			
@I_vVIN	char	31			
@I_vWennSoftTablesOnly	tinyint				
@I_vWSReservedCB1	tinyint				
@I_vWSReservedCB10	tinyint				

Element Name	Data Type	Length	Required	Default	Description
@I_vWSReservedCB2	tinyint				
@I_vWSReservedCB3	tinyint				
@I_vWSReservedCB4	tinyint				
@I_vWSReservedCB5	tinyint				
@I_vWSReservedCB6	tinyint				
@I_vWSReservedCB7	tinyint				
@I_vWSReservedCB8	tinyint				
@I_vWSReservedCB9	tinyint				
@I_vWSReservedSTR1	char	11			
@I_vWSReservedSTR2	char	11			
@O_iErrorState	int				
@oErrString	varchar	255			

## Error Codes

Error Code	Description
51112	The Customer Number does not exist.
52194	The Technician ID is invalid.

Error Code	Description
52315	Error inserting/updating the service vehicle master table (SV00113).

## wsiWSCreateUpdatePurchaseOrderIntegration

- [Tables: WS10101, SV00300, JC00102, JC00701, PM00200, IV00101, POP10100, POP10110 \(page 327\)](#)
- [Error Codes \(page 329\)](#)

### Tables: WS10101, SV00300, JC00102, JC00701, PM00200, IV00101, POP10100, POP10110

**Description:** Integrate Purchase Order Processing to Signature Job Cost or Service Management

Element Name	Data Type	Length	Required	Default	Description
@I_vCost_Code_Number_1	char	7			
@I_vCost_Code_Number_2	char	7			
@I_vCost_Code_Number_3	char	7			
@I_vCost_Code_Number_4	char	7			
@I_vCost_Element	smallint				
@I_vCOSTTYPE	smallint				
@I_vEquipment_ID	char	31			
@I_vJOBNUMBR	char	17			
@I_vOnlyValidate	tinyint				

Element Name	Data Type	Length	Required	Default	Description
@I_vORD	int				
@I_vPONUMBER	char	17			
@I_vProduct_Indicator	smallint				
@I_vQTYRTRND	numeric	19,5			
@I_vRetention_Amount_TTD	numeric	19,5			
@I_vRetention_Pct	numeric	19,5			
@I_vRetTotalCost	numeric	19,5			
@I_vRetUnitCost	numeric	19,5			
@I_vReturnErrorText	tinyint				
@I_vTask_Code	char	11			
@I_vTXTFIELD	varchar	8000			
@I_vUpdateIfExists	tinyint				
@I_vUSRDEFND1	char	50			
@I_vUSRDEFND2	char	50			
@I_vUSRDEFND3	char	50			
@I_vUSRDEFND4	varchar	8000			

Element Name	Data Type	Length	Required	Default	Description
@I_vUSRDEFND5	varchar	8000			
@I_vWennSoftTablesOnly	tinyint				
@I_vWSPOText	char	15			
@O_iErrorState	int				
@oErrString	varchar	305			

## Error Codes

Error Code	Description
51013	
51016	Service Call does not exist
51018	Cost code does not exist for the job
51052	Unable to insert into Signature PO Integration table.
51054	Retention percent cannot be greater than 100%.
51094	Job is inactive.
51095	Not Unbilled, Service or Job Cost.
51096	Cost code type cannot be labor
51097	The Account for this Cost Code is Inactive and cannot be using on Purchasing Transactions.

Error Code	Description
51098	Purchase Order does not exist in MBS
51099	Purchase Order Line does not exist in MBS
51104	Service Call has been posted
51430	Error updating table: WS10101.* /
52015	Option to update existing record is set to false.
52017	Job does not exist.
591	Line status is Closed, Canceled, or Received
591	PO Line Status must of type New, Released, Change Order or Cancelled

## wsIWSTransactionHeaderAndLine

- [Name: wsIWSTransactionHeader \(page 330\)](#)
- [Name: wsIWSTransactionLine \(page 335\)](#)

### Name: wsIWSTransactionHeader

Parameter	Notes
@I_vBatchNumber	Validate, must exist
@I_vBatchSource	Default to GL_Normal, v2: allow override and validate.
@I_vJournalEntry	Default to GJ, allow override and validate
@I_vRecurringTRXSequence	Default to empty



Parameter	Notes
@I_vSourceDocument	Validate, must exist
@I_vReference	
@I_vTRXDate	Validate that it is in an open period
@I_vReversingDate	D14Not supported. V2
@I_vRecurringTRX	Not supported. v2
@I_vBalanceForCalculation	Research, not sure what it is.
@I_vPostingStatus	Remove, set to Work.
@I_vLastUser	Default to SQL user, allow override
@I_vLastDateEdited	Default to SQL date, allow override.
@I_vUserWhoPosted	Remove.
@I_vTransactionType	Research.
@I_vSequenceLine	Default to zero.
@I_vGLHDRMessages	Research.
@I_vGLHDRMessages2	Research.
@I_vTRXSource	Pass through
@I_vSeries	default to General Journal, allow override, validate

Parameter	Notes
@I_vOriginatingTRXType	Default to empty, MC not supported
@I_vOriginatingControlNumber	Default to empty, MC not supported
@I_vOriginatingMasterID	Default to empty, MC not supported
@I_vOriginatingMasterName	Default to empty, MC not supported
@I_vOriginatingDocumentNumber	Default to empty, MC not supported
@I_vOriginatingPostedDate	Default to empty, MC not supported
@I_vOriginatingTRXSource	Default to empty, MC not supported
@I_vCurrencyID	Default to functional currency, MC not supported.
@I_vNoteIndex	Default to empty
@I_vGLHeaderValid	Research.
@I_vPeriodID	Remove and calc from transaction date.
@I_vOpenYear	Remove and calc from transaction date.
@I_vClosedYear	Default to empty.
@I_vHistoryTRX	Default to empty.
@I_vReversingPeriodID	Default to empty. Not supported
@I_vReversingYear	Default to empty. Not supported

Parameter	Notes
@I_vReversingClosedYear	Default to empty. Not supported
@I_vReversingHistoryTRX	Default to empty. Not supported
@I_vICTRX	Default to empty. Not supported
@I_vErrorState	Remove.
@I_vUserDefine1	Default to empty.
@I_vUserDefine2	
@I_vUserDefined1	
@I_vUserDefined2	
@I_vUserDefinedInteger1	
@I_vUserDefinedInteger2	
@I_vUserDefinedInteger3	
@I_vUserDefinedInteger4	
@I_vUserDefinedDollar1	
@I_vUserDefinedDollar2	
@I_vUserDefinedDollar3	
@I_vUserDefinedDollar4	

Parameter	Notes
@I_vUserDefinedDate1	Valid dex date
@I_vUserDefinedDate2	Valid dex date
@I_vUserDefinedDate3	Valid dex date
@I_vUserDefinedDate4	Valid dex date
@I_vUserDefinedCB1	valid bool
@I_vUserDefinedCB2	valid bool
@I_vUserDefinedCB3	valid bool
@I_vUserDefinedCB4	valid bool
@I_vWSReservedCB1	valid bool
@I_vWSReservedCB2	valid bool
@I_vWSReservedCB3	valid bool
@I_vWSReservedCB4	valid bool
@I_vWSReservedCB5	valid bool
@I_vUpdateIfExists	
@I_vWennSoftTablesOnly	
@I_vOnlyValidate	

Parameter	Notes
@I_vUSRDEFND1	
@I_vUSRDEFND2	
@I_vUSRDEFND3	
@I_vUSRDEFND4	
@I_vUSRDEFND5	
@I_vReturnErrorText	
@O_iErrorState	
@oErrString	

**Other notes:**

- Needs to be updated to the newest template.
- Error codes need to be changed from TC error codes to Dev error codes.
- Should handle updates and creates.
- All datetimes are valid dex date/time.
- All tiny ints are valid bools.

**Name: wsiWSTransactionLine**

Parameter	Notes
@I_vWSJobNumber	Not required. Validate if supplied
@I_vBatchNumber	Not required. Validate if supplied
@I_vBatchSource	Not required. Validate if supplied
@I_vJournalEntry	Not required. Validate if supplied

Parameter	Notes
@I_vSequenceLine	Auto generate, increment by 500
@I_vProductIndicator	Validate: 1= Unbilled, 2=JC, or 3=SMS
@I_vAccountNumber	Optional. Validate lookup valid posting Account Index (GL00105)
@I_vAccountIndex	Validate, overrides Account Number. If PI = 1 then user must provide valid posting account (no unit accounts), if PI=2 or PI=3 then lookup account and this parameter and Account Number must be empty.
@I_vServiceCallID	Must be empty unless PI=3 then validate
@I_vWSProjectNumber	Remove. Lookup from job number if PI=JC
@I_vWSCostCodeNumber1	Validate if PI=2 otherwise must be empty
@I_vWSCostCodeNumber2	Validate if PI=2 otherwise must be empty
@I_vWSCostCodeNumber3	Validate if PI=2 otherwise must be empty
@I_vWSCostCodeNumber4	Validate if PI=2 otherwise must be empty
@I_vCostCodeDescription	Remove. Lookup
@I_vCostElement	Validate if PI=2 otherwise must be empty
@I_vWSCostCode	If PI=3 then 1-10, else must be empty
@I_vWSOtherCostSubCode	Research.
@I_vEquipmentID	If PI=3 validate, otherwise must be empty.

Parameter	Notes
@I_vCreditAmount	
@I_vDebitAmount	
@I_vOriginatingCreditAmount	Force to match CR amount MC not supported
@I_vOriginatingDebitAmount	Force to match DR amount MC not supported
@I_vDescription	If PI= 1 allow any description, otherwise default to normal GUI JC and GUI SMS, allow override.
@I_vProfitTypeNumber	Remove, lookup JC00701
@I_vProfitAmount	Remove, lookup
@I_vTRXQTY	Default to empty
@I_vPostingStatus	Remove
@I_vGLLINEMessages	Research
@I_vGLLINEMessages2	Research
@I_vGLLineValid	Research
@I_vAccountType	Remove, lookup
@I_vFixedOrVariable	Remove, lookup
@I_vBalanceForCalculation	Remove research?
@I_vPostingType	Remove, lookup

Parameter	Notes
@I_vDecimalPlaces	Default to 2. MC not supported. Research may be tied to currency and could lookup based on the currency.
@I_vPurchaseOrderNumber	Default to empty
@I_vRatePerUnit	Default to empty
@I_vBillingAmount	Default to empty or if time allows: Use the SMS_GetOHAndBillingAmounts.sql to retrieve this value.
@I_vVendorID	Default to empty, validate
@I_vEmployeeID	Default to empty, validate
@I_vItemNumber	Default to empty, validate
@I_vItemDescription	Default to empty, allow to override for non-IV parts
@I_vUserID	Default to header, allow to override.
@I_vWSTransactionDate	Lookup from header
@I_vOHAmount	Default to empty or if time allows: Use the SMS_GetOHAndBillingAmounts.sql to retrieve this value.
@I_vOHAccountNumberCR	Optional. Validate, lookup valid posting Account Index (GL00105)
@I_vOHAccountIndexCR	Default to empty. not supported
@I_vOHAccountNumberDR	Optional. Validate lookup posting Account Index (GL00105)
@I_vOHAccountIndexDR	Default to empty. not supported



Parameter	Notes
@I_vDivisions	Remove, lookup
@I_vTRXHoursUnits	Default to empty.
@I_vPayrollPayType	Default to empty. not supported
@I_vPayRecord	Default to empty or if time allows: Validate this is valid for the employeID.
@I_vPayRate	Default to empty. not supported
@I_vDepartment	Default to empty or if time allows: Validate this is valid for the employeID.
@I_vJobTitle	Default to empty or if time allows: Validate this is valid for the employeID.
@I_vPayRateAmount	Default to empty. not supported
@I_vUPRTRXCode	Default to empty. not supported
@I_vUOfM	Default to empty. not supported
@I_vCurrencyID	Default to functional. not supported
@I_vCurrencyIndex	Default to functional. not supported
@I_vRateCalculationMethod	Default to empty. MC not supported
@I_vExchangeRate	Default to empty. MC not supported.
@I_vDenominationExchangeRate	Default to empty. MC not supported

Parameter	Notes
@I_vIntercompanyID	Default to empty. Not supported for IC trx.
@I_vRateTypeID	Default to empty. MC not supported.
@I_vExchangeTableID Default to empty. MC not supported.	
@I_vExchangeDate	Default to empty. MC not supported.
@I_vPONumber	Default to empty. not supported
@I_vTime	Default to empty. not supported
@I_vLaborGroupName	Default to empty or if time allows: Check if company is using Overhead Amounts from Job Cost and look at the SV000123 and SV00122. See the guts of the SMS_GetOHAndBillngAmounts.sql for how this might be done.
@I_vPricingMatrixName	default to empty. not supported – ck with LZ
@I_vWennsoftAffiliate	Validate combination of Affiliate, Region, and Branch.
@I_vWennsoftRegion	Validate combination of Affiliate, Region, and Branch.
@I_vWennsoftBranch	Validate combination of Affiliate, Region, and Branch.
@I_vSVLanguageID	Default to empty
@I_vTimeZone	Default to empty
@I_vUserDefine1	
@I_vUserDefine2	

Parameter	Notes
@I_vUserDefined1	
@I_vUserDefined2	
@I_vUserDefinedInteger1	
@I_vUserDefinedInteger2	
@I_vUserDefinedInteger3	
@I_vUserDefinedInteger4	
@I_vUserDefinedDollar1	
@I_vUserDefinedDollar2	
@I_vUserDefinedDollar3	
@I_vUserDefinedDollar4	
@I_vUserDefinedDate1	Valid dex date
@I_vUserDefinedDate2	Valid dex date.
@I_vUserDefinedDate3	Valid dex date
@I_vUserDefinedDate4	Valid dex date
@I_vUserDefinedCB1	Valid bool
@I_vUserDefinedCB2	Valid bool

Parameter	Notes
@I_vUserDefinedCB3	Valid bool
@I_vUserDefinedCB4	Valid bool
@I_vWSReservedCB1	Valid bool
@I_vWSReservedCB2	Valid bool
@I_vWSReservedCB3	Valid bool
@I_vWSReservedCB4	Valid bool
@I_vWSReservedCB5	Valid bool
@I_vWSReservedSTR1	
@I_vWSReservedSTR2	
@I_vUpdateIfExists	
@I_vWennSoftTablesOnly	
@I_vOnlyValidate	
@I_vUSRDEFND1	
@I_vUSRDEFND2	
@I_vUSRDEFND3	
@I_vUSRDEFND4	

Parameter	Notes
@I_vUSRDEFND5	
@I_vReturnErrorText	
@O_iErrorState	
@oErrString	

**Other notes:**

- Needs to be updated to the newest template.
- Error codes need to be changed from TC error codes to Dev error codes.
- Should handle updates and creates.
- All datetimes are valid dex date/time.
- All tiny ints are valid bools.

## wsiWSTransactionHeaderCreate

### Table Name: WS10801

**Other stored procedures called:** wsiWSTransactionHeaderCreatePre, wsiWSTransactionHeaderCreatePost, taGLTransactionHeaderInsert

**Description:**

This procedure will insert new WS transaction header records into the WS10801 table.

Element Name	Data Type	Length	Required	Default	Description
@I_vBatchNumber	char	15	Yes		Validated
@I_vBatchSource	char	15	Yes	GL_Normal'	
@I_vJournalEntry	int	10	Yes		Validated
@I_vRecurringTRXSequence	numeric	19,5	No		
@I_vSourceDocument	char	11	No	GJ'	Validated

Element Name	Data Type	Length	Required	Default	Description
@I_vReference	char	31	No	None'	
@I_vTRXDate	datetime		Yes		Validated
@I_vReversingDate	datetime		No	1/1/1900'	
@I_vRecurringTRX	tinyint	3	No	0	
@I_vBalanceForCalculation	smallint	5	No	0	
@I_vLastUser	char	15	No	'	
@I_vLastDateEdited	datetime		No	1/1/1900'	
@I_vTransactionType	smallint	2	No	0	
@I_vSequenceLine	numeric	19,5	No	0	
@I_vGLHDRMessages	binary	4	No		
@I_vGLHDRMessages2	binary	4	No		
@I_vTRXSource	char	13	No	'	
@I_vOriginatingTRXType	smallint	5	No	0	
@I_vOriginatingControl Number	char	21	No	'	
@I_vOriginatingMasterID	char	31	No	'	

Element Name	Data Type	Length	Required	Default	Description
@I_vOriginatingMasterName	char	65	No	'	
@I_vOriginatingDocumentNumber	char	21	No	'	
@I_vOriginatingPostedDate	datetime		No	1/1/1900'	
@I_vOriginatingTRXSource	char	13	No	'	
@I_vCurrencyID	char	15	No	Z-US\$'	
@I_vClosedYear	smallint	5	No	0	
@I_vHistoryTRX	tinyint	3	No	0	
@I_vReversingPeriodID	smallint	5	No	0	
@I_vReversingYear	smallint	5	No	0	
@I_vReversingClosedYear	smallint	5	No	0	
@I_vReversingHistoryTRX	tinyint	3	No	0	
@I_vICTRX	tinyint	3	No	0	
@I_vUserDefine1	char	31	No	'	
@I_vUserDefine2	char	31	No	'	

Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefined1	char	21	No	'	
@I_vUserDefined2	char	21	No	'	
@I_vUserDefinedInteger 1	int	10	No	0	
@I_vUserDefinedInteger 2	int	10	No	0	
@I_vUserDefinedInteger 3	int	10	No	0	
@I_vUserDefinedInteger 4	int	10	No	0	
@I_vUserDefinedDollar1	numeric	19,5	No	0	
@I_vUserDefinedDollar2	numeric	19,5	No	0	
@I_vUserDefinedDollar3	numeric	19,5	No	0	
@I_vUserDefinedDollar4	numeric	19,5	No	0	
@I_vUserDefinedDate1	datetime		No	1/1/1900'	
@I_vUserDefinedDate2	datetime		No	1/1/1900'	
@I_vUserDefinedDate3	datetime		No	1/1/1900'	
@I_vUserDefinedDate4	datetime		No	1/1/1900'	
@I_vUserDefinedCB1	tinyint	3	No	0	



Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefinedCB2	tinyint	3	No	0	
@I_vUserDefinedCB3	tinyint	3	No	0	
@I_vUserDefinedCB4	tinyint	3	No	0	
@I_vWSReservedCB1	tinyint	3	No	0	
@I_vWSReservedCB2	tinyint	3	No	0	
@I_vWSReservedCB3	tinyint	3	No	0	
@I_vWSReservedCB4	tinyint	3	No	0	
@I_vWSReservedCB5	tinyint	3	No	0	
@I_vWennSoftTablesOnly	tinyint	3	No	0	
@I_vOnlyValidate	tinyint	3	No	0	
@I_vUSRDEFND1	char	50	No	'	
@I_vUSRDEFND2	char	50	No	'	
@I_vUSRDEFND3	char	50	No	'	
@I_vUSRDEFND4	varchar	8000	No	'	
@I_vUSRDEFND5	varchar	8000	No	'	
@I_vReturnErrorText	tinyint	1	No	1	

Element Name	Data Type	Length	Required	Default	Description
@O_iErrorState	int	10	No	0	
@oErrString	varchar	255	No	'	

## wsiWSTransactionLineCreate

### Table Name: WS10802

**Other stored procedures called:** wsiWSTransactionLineCreatePre, wsiWSTransactionLineCreatePost, taGLTransactionLineInsert

**Description:**

This procedure allows the insert of new transaction records into the WS10802 table and calls the taGLTransactionLineInsert procedure. The [wsiWSTransactionHeaderCreate](#) (page 343) procedure should be run prior to this procedure as validation and field values are dependent on header values during this process.

Element Name	Data Type	Length	Required	Default	Description
@I_vWSJobNumber	char	17	No	'	Required and validated for Job Cost
@I_vJournalEntry	int	10	Yes		Validated - WS10801
@I_vProductIndicator	smallint	5	Yes		Must be 1 Unbilled, 2 Job Cost, or 3 Service
.@I_vAccountNumber	char	200	No	'	Auto set for Service, Auto set for JC if using divisional posting accounts, else must provide acct number or acct index
@I_vAccountIndex	int	10	No	0	Auto set for Service, Auto set for JC if using divisional posting accts, else must provide acct number or acct index
@I_vServiceCallID	char	17	No	'	Required and validated for Service

Element Name	Data Type	Length	Required	Default	Description
@I_vWSCostCode Number1	char	7	No	'	Validated - Job Cost JC00701
@I_vWSCostCode Number2	char	7	No	'	Validated - Job Cost JC00701
@I_vWSCostCode Number3	char	7	No	'	Validated - Job Cost JC00701
@I_vWSCostCode Number4	char	7	No	'	Validated - Job Cost JC00701
@I_vCostElement	smallint	5	No	0	Validated - Job Cost
@I_vWSCostCode	int	10	No	0	Validated - Service
@I_vWSOtherCost SubCode	int	10	No	0	Validated - Service SV00145
@I_vEquipmentID	char	31	No	'	Validated - Service SV00400, SV00300
@I_vCreditAmount	numeric	19,5	No	0	Validated against both credit and debit being non zero
@I_vDebitAmount	numeric	19,5	No	0	Validated against both credit and debit being non zero
@I_vOriginatingCreditAmount	numeric	19,5	No	set to Credit Amount	set to Credit Amount
@I_vOriginatingDebitAmount	numeric	19,5	No	set to Debit Amount	set to Debit Amount

Element Name	Data Type	Length	Required	Default	Description
@I_vDescription	char	31	No	JC - 'Job ' + job number + cost element	Service - set to 'Service ' + service call Id + cost code
@I_vTRXQTY	numeric	19,5	No	0	
@I_vGLLINEMessages	binary	4	No		
@I_vGLLINEMessages2	binary	4	No		
@I_vGLLineValid	binary	4	No		
@I_vFixedOrVariable	smallint	5	No	Set to 0	Set to 0
@I_vBalanceForCalculation	smallint	5	No	Set to 0	Set to 0
@I_vPostingType	smallint	5	No	0 or 1 for Service	
@I_vDecimalPlaces	smallint	5	No	2	Set to 2
@I_vPurchaseOrderNumber	char	21	No	'	
@I_vRatePerUnit	numeric	19,5	No	0	
@I_vBillingAmount	numeric	19,5	No	0	
@I_vVendorID	char	15	No	'	Validated - PM00200

Element Name	Data Type	Length	Required	Default	Description
@I_vEmployeeID	char	15	No	'	Validated - UPR00100
@I_vItemNumber	char	31	No	'	
@I_vItemDescription	char	101	No	'	
@I_vUserID	char	15	No	'	
@I_vOHAmount	numeric	19,5	No	0	
@I_vOHAccountIndexCR	int	10	No	0	
@I_vOHAccountIndexDR	int	10	No	0	
@I_vTRXHoursUnits	int	10	No	0	
@I_vPayrollPayType	smallint	5	No	0	
@I_vPayRecord	char	7	No	'	
@I_vPayRate	numeric	19,5	No	0	
@I_vDepartment	char	7	No	'	
@I_vJobTitle	char	7	No	'	
@I_vPayRateAmount	numeric	19,5	No	0	

Element Name	Data Type	Length	Required	Default	Description
@I_vUPRTRXCode	char	7	No	'	
@I_vUOfM	char	9	No	'	
@I_vCurrencyID	char	15	No	FUNLCURR from MC40000	
@I_vCurrencyIndex	smallint	5	No	Set to 1007	Set to 1007
@I_vRateCalculationMethod	smallint	5	No	0	
@I_vExchangeRate	numeric	19,7	No	0	
@I_vDenominationExchangeRate	numeric	19,7	No	0	
@I_vIntercompanyID	char	5	No	'	SELECT DB_NAME()
@I_vRateTypeID	char	15	No	'	
@I_vExchangeTableID	char	15	No	'	
@I_vExchangeDate	datetime		No	1/1/1900'	
@I_vPONumber	char	17	No	'	
@I_vTime	datetime		No	1/1/1900'	
@I_vLaborGroupName	char	15	No	'	

Element Name	Data Type	Length	Required	Default	Description
@I_vPricingMatrix Name	char	15	No	'	set for service from SV00200
@I_vWennsoftAffiliate	char	15	No	'	Validated - sv00015
@I_vWennsoftRegion	char	15	No	'	Validated - sv00015
@I_vWennsoftBranch	char	15	No	'	Validated - sv00015
@I_vSVLanguageID	smallint	5	No	0	
@I_vTimeZone	char	3	No	'	
@I_vUserDefine1	char	31	No	'	
@I_vUserDefine2	char	31	No	'	
@I_vUserDefined1	char	21	No	'	
@I_vUserDefined2	char	21	No	'	
@I_vUserDefinedInteger1	int	10	No	0	
@I_vUserDefinedInteger2	int	10	No	0	
@I_vUserDefinedInteger3	int	10	No	0	

Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefinedInteger4	int	10	No	0	
@I_vUserDefinedDollar1	numeric	19,5	No	0	
@I_vUserDefinedDollar2	numeric	19,5	No	0	
@I_vUserDefinedDollar3	numeric	19,5	No	0	
@I_vUserDefinedDollar4	numeric	19,5	No	0	
@I_vUserDefinedDate1	datetime		No	1/1/1900'	
@I_vUserDefinedDate2	datetime		No	1/1/1900'	
@I_vUserDefinedDate3	datetime		No	1/1/1900'	
@I_vUserDefinedDate4	datetime		No	1/1/1900'	
@I_vUserDefinedCB1	tinyint	3	No	0	
@I_vUserDefinedCB2	tinyint	3	No	0	
@I_vUserDefinedCB3	tinyint	3	No	0	



Element Name	Data Type	Length	Required	Default	Description
@I_vUserDefinedCB4	tinyint	3	No	0	
@I_vWSReservedCB1	tinyint	3	No	0	
@I_vWSReservedCB2	tinyint	3	No	0	
@I_vWSReservedCB3	tinyint	3	No	0	
@I_vWSReservedCB4	tinyint	3	No	0	
@I_vWSReservedCB5	tinyint	3	No	0	
@I_vWSReservedSTR1	char	11	No	'	
@I_vWSReservedSTR2	char	11	No	'	
@I_vWennSoftTablesOnly	tinyint	3	Yes	0	
@I_vOnlyValidate	tinyint	3	Yes	0	
@I_vUSRDEFND1	char	50	No	'	
@I_vUSRDEFND2	char	50	No	'	
@I_vUSRDEFND3	char	50	No	'	

Element Name	Data Type	Length	Required	Default	Description
@I_vUSRDEFND4	varchar	8000	No	'	
@I_vUSRDEFND5	varchar	8000	No	'	
@I_vReturnErrorText	tinyint	1	No	1	
@O_iErrorState	int	10	No	0	
@oErrString	varchar	255	No		

## Contact Information

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<b>Support</b>	<p><b>Phone:</b> 262-317-3800  <b>Email:</b> <a href="mailto:support@Key2Act.com">support@Key2Act.com</a><sup>2</sup>  <b>Hours:</b> Normal support hours are 7:00 a.m. to 6:00 p.m. Central Time. After-hours and weekend support is available for an additional charge. Please contact Key2Act Support for additional information.</p> <p>Key2Act will be closed in observance of the following holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day after Thanksgiving, and Christmas Day.</p>
<b>Support Plans</b>	<p>We're committed to providing the service you need to solve your problems and help your team maximize productivity.</p> <p>We offer several Signature Enhancement and Support Plans to meet your needs and Extended Support Plans for retired product versions available at <a href="http://www.key2act.com/customer-portal/help">http://www.key2act.com/customer-portal/help</a>.</p>
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