

# Version 3.6

## Issues Resolved in this Release

[MIS-1202] Remove use of SQLDMO.SqlServer2 from all .NET libraries.

Keyword(s): Framework, SQLDMO

The SQLDMO libraries have been removed from the MIS distribution. Stored procedures are being used in their place.

[MIS-1776] TeklogixSAP not handling deep structures correctly.

Keyword(s): Framework, SAP, RFC

The TeklogixSAP library now correctly ignores parameters that used deep structures (table data types).

[MIS-1809] PTISG.SAP.Connector.NetRfcConnector.CreateConnection does not handle Message (Load Balancing) Server

Keyword(s): Framework, SAP, RFC

The PTISG.SAP.Connector.NetRfcConnector.CreateConnection now handles the use of a Message Server when connecting to SAP.

[MIS-1813] Console - TekGUI - does not handle a SAP buffered edit control that changes from ReadOnly set to True that changes to False.

Keyword(s): Framework, SAP, Console, TekGUI

The Console runtime correctly handles the case when an SAP buffered edit control changes from read only to writable when interacting with a TekGUI client.

[MIS-1814] TekSpeech SDK Speech Studio, script doesn't report line number

Keyword(s): Design-time, Speech

The TekSpeech SDK Speech Studio now correctly reports the line numbers of exceptions that derive from the "Supporting Code".

[MIS-1816] MIS Web Administration should open mis.admin file read only.

Keyword(s): Administration, Web-based

The MIS Web Administration now opens the mis.admin configuration file in read only mode.

[MIS-1819] SAP Credentials should not allow an empty value for the Language field in the snap-in.

Keyword(s): Administration, SAP, Credentials

The dialog for SAP Credential no longer allows an empty field.

[MIS-1822] Checking if PasswordExpired may cause an unexpected exception.

Keyword(s): Framework, SAP, RFC

The COM-based SAP RFC wrapper libraries have been corrected to not treat all exceptions as meaning the password is expired.

[MIS-1836] IDoc tables not created if SAP IDoc option chosen for TekSpeech.

Keyword(s): Installation, SAP, IDoc, Speech

The IDoc transaction ID (TID) tables are now correctly installed when the IDoc option is chosen for a TekSpeech installation.

[MIS-1842] MIS Prerequisite Checker fails when checking for SQL on cluster node

Keyword(s): Installation, SQL

The pre-requisite checker now handles the case of SQL installed on a cluster node.

[MIS-1851] Idempotent cache seems to delete messages that have not been completed yet.

Keyword(s): Framework, idempotent

The idempotent's library has been corrected to ensure uncompleted transactions are not cleared from the cache.

[MIS-1856] License import fails on Windows 7 (with UAC enabled)

Keyword(s): Framework, License

The license importing library has been corrected to obtain a temporary file path that is available to non-elevated users.

[MIS-1870] Table.Item(Row as Long, FieldIndex as Variant) does not work with Filter or Sort

Keyword(s): Framework, SAP, RFC

The ptisgRFC library has been corrected to handle the interface Table.Item(Row as Long, FieldIndex as Variant) correctly when the Filter and/or Sort properties are set.

[MIS-1874] DisplayPopupText does not handle embedded CrLf in message correctly

Keyword(s): Framework, RF Terminal

The DisplayPopupText method now correctly formats text that contain embedded CrLf characters by positioning the trailing text on a new line.

[MIS-1892] Setting field to reverse video on GUI screen

Keyword(s): Framework, RF Terminal

The screen and field library has been corrected to ensure a "Object variable or With block variable not set" error is not raised when updating video attributes of a field.

[MIS-1899] Active GUI design wizard only looks in "data" directory for ptisgSAPGUIDefs.vbs file.

Keyword(s): Design-time, SAP, GUI

The Active GUI design wizard now correctly looks for the required VBScript file in the installation directory (in addition to the data directory).

[MIS-1916] PTISG.SAP.NWRFC.Connection.GetTable - error if not all fields are chosen.

Keyword(s): Framework, SAP, RFC

The GetTable method has been corrected to handle the case of specifying some, but not all fields in an SAP table.

[MIS-1934] Encrypted SAP password not decrypted by TeklogixSapAutoGui2 library.

Keyword(s): Framework, SAP, GUI

The change to encrypt password has now been correctly implemented in the Auto GUI library.

[MIS-1941] Speech Handler reports "out of memory" errors

Keyword(s): Framework, Speech

The speech library framework for agent configuration has been improved to ensure more efficient use of memory when reading configuration files.

[MIS-1949] RFTerminal installer sometimes fails to register objects

Keyword(s): Installation, RF Terminal

The installation of COM-based objects has been modified to ensure they will be registered correctly even in a more stressed installation environment.

[MIS-1951] Active GUI error while creating an Active GUI transaction.

Keyword(s): Framework, Installation, SAP, GUI

The Active GUI design-time now works correctly as a required component is now being distributed with the MIS installation.

[MIS-1956] Replicate In Sections fails with ConstraintException for large tables

Keyword(s): Framework, SAP, RFC, Replication

The SAP table replication runtime has been improved to handle possible duplicate records when retrieving large number of records from SAP tables when the “Replicate In Sections” option is used.

[MIS-1960] Library does not correctly handle if IBM MQ throws exception when trying to receive on disconnected queue.

Keyword(s): Framework, IBM, MQ

The IBM Webshpere MQ wrapper library has been corrected to handle unexpected queue disconnection. Previously, the containing process (Speech Handler, for example) would be terminated unexpectedly if the exception has not handled.

[MIS-1962] MIS does not work correctly with SQL Server 2012.

Keyword(s): Framework, DB, SQL

MS SQL Server 2012 behaves differently when a column is defined using a user-defined type. Previously, NULL was the default when the keyword in a column definition was missing. However, in MS SQL Server 2012, if the user-defined type has NOT NULL specified, that will override the default of the missing NULL keyword on a column definition. MIS now defines the NULL keyword explicitly for columns using a user-define type where that type has NOT NULL defined.

[MIS-1964] TeklogixSapAutoGui2.Event.Connect ignores the load balancing properties.

Keyword(s): Framework, SAP, GUI

The Connect method now considers the set properties to determine if a load balancing connection is required and completes that connection.

[MIS-1965] IDoc gateway (.NET version) - should not use function IDOC\_INBOUND\_ASYNCHRONOUS if SAP before 40A.

Keyword(s): Framework, SAP, IDoc

The (.NET, database-based) Outbound Gateway service no longer adds the IDOC\_INBOUND\_ASYNCHRONOUS function if the SAP system is release before 40A.

[MIS-1966] Incorrect structure field offset for DDIF\_FIELDINFO\_GET for SAP version 3xx

Keyword(s): Framework, SAP, RFC

The SAP RFC (.NET) library now correctly handles table properties against SAP systems that are older than version 40A.

[MIS-1967] Retrieving RFC information for a "table" function may cause StackOverflowException.

Keyword(s): Framework, SAP, RFC

The SAP RFC (.NET) library no longer makes an extra look-up for exception parameter information for a table function.

[MIS-1969] Windows Server 2012 - Installation Issues

Keyword(s): Installation, Windows

Windows Server 2012 is now fully supported.

[MIS-1970] Numerous false errors when PageSaving enabled and clearing the saved pages.

Keyword(s): Framework, RF Terminal

False errors in the event log are no longer present when clearing saved pages (usually when returning to the logon transaction).

[MIS-1971] Multiple Terminals Handlers startup can fail depending on Terminals Per Process value.

Keyword(s): Framework, RF Terminal

The RF Terminal/Connection setting for Terminals Per Process now handle zero and any number larger than the actual number of terminals. Previously, the MIS RF Terminal service startup could fail.

[MIS-1972] PTISG.SAP.RFC.Connection.GetTable fails with SAP version 45B

Keyword(s): Framework, SAP, RFC

The GetTable function now correctly handles SAP version 45B. Previously, a NullReferenceException and/or StackOverflowException could have been raised when working with SAP version 45B.

[MIS-1978] Path of Trace file for TekSpeech Handler is incorrect.

Keyword(s): Administration, Speech

The tracing for the Speech Handler has been corrected.

[MIS-1980] MIS Web-based Administration shows "No dialog control available" error.

Keyword(s): Administration, Web

A correction to the configuration of the MIS.Administration site has resolved a potential problem where the error "No dialog control available" could be presented on three or more access of a properties in a single administration node.

[MIS-1989] Agent exception if output field value is null, and its Qualifier is DoubleQuote

Keyword(s): Framework, Speech

The speech "data" agent runtime has been correct to not raise an error if a return value is null and the Double Quote qualifier is set on the field.

[MIS-1990] Automated GUI logon can fail with SAP version 731.

Keyword(s): Framework, SAP, GUI

The MobileDataEntry transaction has been improved to handle the case of SAP version 731. The transaction now populates the logon screen directly, rather than

using an API call – which failed to work on SAP version 731. A transaction property (“Use Original Logon”) is available to allow the previous method of GUI logon.

[MIS-1991] SAP user password expiry not detected correctly.

Keyword(s): Framework, SAP, RFC

The TeklogixSAP.PasswordExpired method has been corrected to ensure the password expired condition is properly detected.

## **New Features and Improvements in this Release**

[MIS-1139] Support multiple Speech listeners

Keyword(s): Framework, Administration, Speech

It is now possible to add multiple listeners in the Speech Handler. Each listener can specify their listener, reader and writer types and the TCP port that listener will listen on.

[MIS-1815] Add a Command Timeout parameter to OleDbStoredProcedureAgentProperties class

Keyword(s): Framework, Speech

The OLEDB stored procedure agents now have a property to specify the command timeout.

[MIS-1817] Add support for Dialog Builder in license metadata

Keyword(s): Administration, Speech

The Dialog Builder option has been added to the license metadata.

[MIS-1844] Upgrade ICSharpCode.SharpZipLib.dll to new version.

Keyword(s): Framework, Mobile

The stated library has been updated.

[MIS-1845] Replace SQL-DMO with stored procedure calls in PTISG.SAP.MSSQL.Replicator

Keyword(s): Framework, SAP, Replicator

The replicator library has been updated to remove the use of COM-based SQLDMO library.

[MIS-1846] Remove SQL-DMO in PTISG.Management.Database

Keyword(s): Framework, Database

The database library has been updated to remove the use of COM-based SQLDMO library.

[MIS-1857] Speech handler needs to run on Win7

Keyword(s): Framework, Speech

The Speech Handler has been modified to force the process to prompt to be elevated to administrator on system with UAC enabled.

[MIS-1863] Add splitter to PTISG.Windows.Forms.CollectionEditor

Keyword(s): Framework, Administration

The property grid control for collection types has been improved to add a splitter control between the list and the property grid.

[MIS-1924] Enable Inbound and Outbound (IDoc) Gateway service to handle Unicode with SAP

Keyword(s): Framework, Administration, Installation, SAP, IDoc

The Inbound and Outbound gateways now have a new version that can be enabled. These gateway services communicate in Unicode with the SAP system and now support all SAP Unicode languages as a result.

[MIS-1952] Log System Failure errors as Warnings instead of as Errors in the NT Event log.

Keyword(s): Framework, SAP, RFC

The COM-based RFC libraries have been modified to report system failure exceptions as warnings instead of errors in the NT event log.

[MIS-1953] Add ability to play "User" sounds in addition to "normal" and "error".

Keyword(s): Framework, RF Terminal, TekGUI

A new API to make user configurable sounds on supported (TekGUI) terminals has been added. To make a sound on supported (TekGUI) terminals, use the call: `Terminal.UserSound <index>`, where *<index>* is an integer from 1 to 4. The configuration of the sound is done on the supported (TekGUI) terminal settings.

[MIS-1954] Add ability to "vibrate" in supported terminals

Keyword(s): Framework, RF Terminal, TekGUI

A new API to make the device vibrate on supported (TekGUI) terminals has been added. To make the device vibrate on supported (TekGUI) terminals, use the call: `Terminal.Vibrate <onTime>, <offTime>, <iterations>`, where *<onTime>* is the time (in milliseconds from 100 to 9999) the vibrator will be on, *<offTime>* is the time (in milliseconds from 100 to 9999) the vibrator will be off, and *<iterations>* is the number (1 to 9) of on and off cycles to play.

[MIS-1957] RFC "System Error" should be reported in the log as Warning instead of Error

Keyword(s): Framework, SAP, RFC

The COM-based RFC libraries have been modified to report system failure exceptions as warnings instead of errors in the NT event log.

[MIS-1961] MIS should put links/shortcut under Psion/MIS instead of Psion Teklogix

Keyword(s): Installation

The installation has been updated to convey the company Psion Inc instead of Psion Teklogix Inc.

[MIS-1963] Ensure the Wizard/Step base classes support resizing.

Keyword(s): Framework

The base class for wizard forms now better supports resizing the form.

[MIS-1968] Speech Handler needs to be able to communicate a shutdown to agent code running background threads.

Keyword(s): Framework, Speech

The `PTISG.Speech.AgentBase.Shutdown` event has been added so that background threads can detect a shutdown and exit gracefully.

[MIS-1974] Vocollect device serial number (client ID) can now be 9 digits long.

Keyword(s): Framework, Speech

The speech handler (listener) can now handle device serial number that are 9 digits long. Previous, the maximum length was only 8 digits.

[MIS-1975] Allow base keep alive timeout range from 0 - 300, instead of 1-99

Keyword(s): Framework, RF Terminal

The RF Terminals/Connections settings now provide a wider range of possible values for the base (controller) keep alive timeout.

[MIS-1976] Implement licensing for Direct Connection model for Speech Listener.

Keyword(s): Framework, Administration, Speech

It is now possible to issue and use licenses that limit use of the speech handler (listener) to only the configuration and SPA agents. This is ensure a better and more consistent pricing for those customers that use the speech handler in a direct to host model.

## **Version 3.5 SP4**

### **Known Issues Not Resolved in this Release**

[MIS-1877] MIS Service Pack makes MIS not uninstall correctly.

Keyword(s): Installation

If a service pack installation has been performed (MIS 3.5 SP1 or SP2) then the following key may need to be manually removed to allow another version to be installed:

```
HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Uninstall\Installshield_{9F73F3EA-34FA-4C33-B1D0-A9F23F156AA3}
```

### **Issues Resolved in this Release**

[MIS-1897] Console Buttons not being displayed correctly.

Keyword(s): Framework, SAP, Console

The buttons on some Console screen now display correctly. Previously, some buttons would not always display – they would be missing in some instance of screen navigation.

[MIS-1900] SAP Logon ID list only returns the first value.

Keyword(s): Framework, SAP, RFC

The SAP RFC wrapper library (PTISG.SAP.RFC) has been corrected to return all entries in the SAP Logon configuration file. Previously, only the first entry was returned to the list.

[MIS-1902] ptisgRFC.Table.Delete may incorrectly delete non-existent rows.

Keyword(s): Framework, SAP, RFC

The SAP RFC wrapper library (ptisgRFC) has been corrected to ensure that calls to the Table.Delete method will never try to delete records if the table is empty, or the cursor location is at BOF or EOF. Previously, a Terminal Handler crash was possible if a record was deleted from an invalid row.

[MIS-1904] Speech/Idempotent - if exception is thrown in agent on first try, successive tries will fail because of idempotent stored response.

Keyword(s): Framework, Idempotent, Speech

The infrastructure that provides idempotent processing (once, and only once execution) has been modified to allow a new option to handle processing that throws an exception on the first or subsequent calls. Previously, the idempotent processing engine would return the same exception result for all subsequent calls, with the same transaction ID, if the first call caused an exception. Now, an option is provided to allow the exception not to be cached for subsequent calls. This will handle the case where the exception is transient and is corrected before a subsequent call.

To set the option to the new behavior, open the file named PTISG.Messaging.Idempotent.DLL.config in the MIS installation directory. Add or modify the exceptionHandling attribute to use the value "NoCacheOnException". The entity should look like the following:

```
<cacheStoreSettings minimumElementsByClient="5"
maximumElementsByClient="10" storeType="Memory"
exceptionHandling="NoCacheOnException" />
```

[MIS-1906] Correct RFC exception information not always returned.

Keyword(s): Framework, SAP, RFC

The SAP RFC wrapper library (PTISG.SAP.RFC) has been corrected to ensure that text corresponding to ABAP function exceptions are returned in the current connection language or just the exception name, if the text is not available in the current language. Previously, invalid exception text was returned due to a bug in the ABAP function RFC\_GET\_FUNCTION\_INTERFACE for exceptions that did not have translations in the currently connected language.

[MIS-1909] Speech Handler will not shutdown if socket is left open by client.

Keyword(s): Speech, Handler

The Speech Handler has been corrected to handle the case of an open socket connection from a client. Previously, the Speech Handler would not shutdown (or service stop), if a client left one or more socket connections open.

[MIS-1910] Speech Handler may crash if client forces the connection to close unexpectedly.

Keyword(s): Speech, Handler

The Speech Handler has been corrected to handle an unexpected socket connection closure. Exceptions encountered when closing a socket connection are now ignored.

[MIS-1912] Mobile Data Entry GUI Only transaction's "Cancel other logins" does not work.

Keyword(s): Framework, SAP, Console

The "Cancel other logins" option on the Mobile Data Entry GUI Only transaction is now working correctly. Previously, this option had no effect. **Note:** *The SAP Connection option "Show Multiple Logon Dialog" must be set to True for the option to work.*

[MIS-1915] Setting focus on SAP GUI control without the SELECTABLE flag causes ABAP runtime error.

Keyword(s): Framework, SAP, Console

The SAP GUI library will no longer allow a SAP control to have the focus set to it if the control does not support/allow being selected. Previously an ABAP runtime error was raised causing the current transaction to abort and return to the initial SAP screen.

[MIS-1920] Dianogstics.Trace dereferencing null object.

Keyword(s): Framework, Tracing

The library has been optimized to not try to use a null (Nothing) object which improves performance.

[MIS-1921] Invalid initialization of CacheStoreSettings

Keyword(s): Framework, Idempotent

The Idempotent framework has been corrected to ensure the proper initialization of the property.

[MIS-1922] Terminal Status Monitor shows terminal in online status even though it has never connected.

Keyword(s): Framework, RF Terminal

The Terminal Status Monitor now shows online only after the first communication with the device. Previously, the monitor would show online status even if it had not connected.

[MIS-1931] DataBrowser SQL install script missing "dbo" schema

Keyword(s): Framework, Install, Database

The SQL statements used to install/update the DataBrowser viewer has been improved to ensure the "dbo" schema is named explicitly.

[MIS-1932] In Active Dialog the Post method should ensure the connection is valid before testing the SAP version.

Keyword(s): Framework, SAP, Dialog

The Active Dialog library (ptisgDialog.dll) has been corrected to ensure the SAP connection has been or is connected before testing the version of the SAP partner system. This version is used to determine the correct remote-enabled ABAP function to call (RFC\_CALL\_TRANSACTION or ABAP4\_CALL\_TRANSACTION).

## **New Features and Improvements in this Release**

[MIS-901] Support for table structure in EXPORT queries of RFC call.

Keyword(s): Framework, SAP, RFC

A new .NET wrapper library is available: PTISG.SAP.NWRFC that provides a wrapper to the SAP NetWeaver RFC library, sapnwrfc.dll. This wrapper library provides the ability to access to use "Table" type SAP data type.

[MIS-1693] Wrap new SAP NetWeaver RFC library.

Keyword(s): Framework, SAP

A new .NET wrapper library is available: PTISG.SAP.NWRFC that provides a wrapper to the SAP NetWeaver RFC library, sapnwrfc.dll. This wrapper library

provides the ability to access to use “Table” type SAP data type. Connection pooling is built in without any extra programming from the developer.

[MIS-1919] Add ability to have system message translations

Keyword(s): Framework, RF Terminal

Provide a mechanism to define global messages and define system message translations:

Transaction named: <TransactionSet>-RESOURCES.TRX, where <TransactionSet> is the name of the transaction set you want to have global messages for.

System message keys:

\_FKEYNOTHANDLED (default, "FKEY EVENT NOT HANDLED")  
\_PRESSETER (default, "(PRESS ENTER)")  
\_SYSTEMERROR (default, "SYSTEM ERROR")  
\_TRAPPEDERROR (default, "TRAPPED ERROR - SEE LOG")  
\_XMITNOTHANDLED (default, "XMIT EVENT NOT HANDLED")  
\_HEYYOUNOTHANDLED (default, "HEYYOU EVENT NOT HANDLED")

Behaviour:

- 1) System messages
  - a) When a system message is required.
- 2) If not loaded, check for existence of <TransactionSet>-RESOURCES.TRX.
  - i) ii. If exists, load and cache for later. Otherwise, use the default text.
  - ii) iii. If system message key exists, use the associated text for the current language, if it exists. Otherwise, use the default text.

[MIS-1925] Updated License metadata to include the SPA feature (5) in the TekSpeech license (7).

Keyword(s): Framework, License

The Speech Process Analyzer feature (5) for version 2.0 is now licensed in the Speech License (7). Previously, the SPA used the feature contained in the MIS license (1).

## Version 3.5 SP3

### Known Issues Not Resolved in this Release

[MIS-1877] MIS Service Pack makes MIS not uninstall correctly.

Keyword(s): Installation

If a service pack installation has been performed (MIS 3.5 SP1 or SP2) then the following key may need to be manually removed to allow another version to be installed:

HKEY\_LOCAL\_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Uninstall\Installshield\_{9F73F3EA-34FA-4C33-B1D0-A9F23F156AA3}

## Issues Resolved in this Release

[MIS-1869] Menu Builder wizard limits the number of transactions to 8 - should be relative to number of lines on screen.

Keyword(s): Design-time, Terminal, Menu

The Menu Wizard now uses the defined size of the screen from Transaction Designer to determine the allowed number of rows/transactions that can be handled.

[MIS-1875] Windows Server 2008 R2 needs to be supported OS in pre-requisite check

Keyword(s): Installation, Pre-requisite

The installation now recognizes Windows Server 2008 R2 and Windows 7.

[MIS-1877] MIS Service Pack makes MIS not uninstall correctly.

Keyword(s): Installation

The service pack patch installation no longer writes the registry entry:

HKEY\_LOCAL\_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Uninstall\Installshield\_{9F73F3EA-34FA-4C33-B1D0-A9F23F156AA3}

[MIS-1878] Open TekTerm does not always work the same as TekGUI – Buttons.

Keyword(s): Terminal, Framework

TekRF and TekConsole now handle programmatic updates of the display values for buttons on Open TekTerm GUI. Previously, only the first character was updated – the following characters were lost.

[MIS-1879] User Management for Sites - Getting Users is slow if many Dynamic Properties attached.

Keyword(s): Administration, Dynamic Properties

Improved performance of reading Dynamic Properties for Users.

[MIS-1880] TerminalHandler not waiting for TekBSS service startup.

Keyword(s): Framework, Terminal, Service

The MIS RF Terminal (Terminal Handler) service now correctly waits for the TekBSS service to be started before trying to connect to terminals.

[MIS-1881] Text from RFC exception is garbled with SAP Web AS 700.

Keyword(s): Framework, SAP, RFC

The RFC libraries (ptisgRFC.dll and PTISG.SAP.RFC.dll) now correctly convert the text of RFC exception for SAP Web AS system 700 and greater.

[MIS-1882] TeklogixScreenField.Text.PageFieldFlags reports: "Object variable or With block variable not set".

Keyword(s): Framework

The TeklogixScreenField library has been corrected to ensure an unset variable is not accessed.

[MIS-1884] Message Server with router string does not connect to SAP in GUI protocol.

Keyword(s): Framework, SAP, GUI

The TeklogixSapAutoGui2 library now correctly handles message server connections with router strings.

[MIS-1885] "Overflow" error on SAP screen with too many controls.

Keyword(s): Framework, Terminal, SAP, GUI

Fields with indexes that go beyond the limit of 207 are ignored and not displayed.

[MIS-1889] Speech Handler (Vocollect) license check not working correctly.

Keyword(s): Speech, Licensing

The Speech Handler now correctly removes "stale" (older than 10 minutes) devices from the list of concurrent devices.

[MIS-1890] Speech Handler does not hangs for messages with 1024/2048 characters.

Keyword(s): Speech, Framework

The Speech Handler now does not hang for messages of 1024/2048 bytes/characters. Previously, the Speech Handler would become non-responsive to socket clients that sent exactly 1024 or 2048 bytes/characters.

[MIS-1891] Speech License Check - causes exception 'System.ArgumentNullException: Key cannot be null'.

Keyword(s): Speech, Framework

The Speech Handler now handles the case of a missing or empty client ID.

## **New Features and Improvements in this Release**

[MIS-1876] SAP passwords must be encrypted.

Keyword(s): Framework, SAP

SAP passwords stored in the registry are now encrypted when saved.

[MIS-1883] Improve performance of Speech agents with configuration.

Keyword(s): Framework, Speech, Agents

The performance of speech agents that use XML configuration files have been improved by caching the deserialized object.

## **Version 3.5 SP2**

### **Known Issues Not Resolved in this Release**

### **Issues Resolved in this Release**

[MIS-1871] Replicator no longer handles SQL Server 2000

Keyword(s): Framework, SAP, Replicator, Database

The replicator now correctly supports handles SQL Server 2000.

[MIS-1872] ptisgRFC.Table.AddNew does not position the AbsolutePosition correctly.

Keyword(s): Framework, SAP, RFC

The AbsolutePosition is now placed at RecordCount after a call to AddNew.

[MIS-1873] ptisgRFC.Table - setting the Sort and Filter properties may cause memory exception.

Keyword(s): Framework, SAP, RFC

Setting the Sort and Filter properties no longer cause a memory exception.

## **Version 3.5 SP1**

### **Known Issues Not Resolved in this Release**

### **Issues Resolved in this Release**

[MIS-1868] Speech Handler crashes when certain variety of message is sent from terminal

Keyword(s): Speech

The Speech Handler now handles multiline requests that have different lengths. It uses the size of the first row for the table length and then only copies the minimum of the source line columns or the target line columns.

[MIS-1867] Extend function key support for TekTelnet from F12 to F30.

Keyword(s): Framework, Administration

The TekTelnet mapping and runtime have been extended to support functions keys F13 to F30. The VT220 mapping has been updated to include predefined mappings for F13 to F20.

[MIS-1866] Add support for SQLNCLI\* provider in database connection.

Keyword(s): Framework, Administration

The database configuration administration and database connection runtime now support the SQLNCLI\* provider.

[MIS-1865] Service Controller doesn't handle unresponsive service.

Keyword(s): Framework, Administration

The PTISG.Management.Service.ServiceController.exe program now better handles unresponsive services.

[MIS-1864] Sort and filter incorrectly sets underlying recordset to native datatype when mode is character.

Keyword(s): Framework, SAP, RFC

The ptisgRFC (COM) library has been corrected to handle sort and filter of an arbitrary table parameter to an RFC.

[MIS-1862] Idempotent scavenger shouldn't delete messages that are anything but completed.

Keyword(s): Framework

There was a problem when Agent took a very long time to process the message while Idempotent was involved. By the time the message was processed and result returned the scavenger removed the message from idempotent message queue and once the Agent returned the result idempotent manager wanted to update the message in queue resulting in "Can't update message before it's created" error.

[MIS-1861] Speech handler crashes when responding to terminal that has closed the connection.

Keyword(s): Speech

When the terminal closes connection due to timeout before handler writes to the socket we catch and log and ignore exception.

[MIS-1860] Web Admin trims the spaces in Enum values causing it not to accept the value.

Keyword(s): Administration

We replace soft spaces with non-breakable spaces now.

[MIS-1859] Allow Active Dialog to call custom version of ABAP4\_CALL\_TRANSACTION.

Keyword(s): SAP Interconnect

It is now allowed.

[MIS-1854] The behavior of OTT allows old values to be retrieved even if Terminal Handler has changed the value.

Keyword(s): Framework

Now use the "ClearField" command in the case of the value is blank and the field has the "No Echo" style. This ensure previous values cannot be retrieved.

[MIS-1853] TeklogixSAP.PasswordExpired does not handle mixed case or long passwords.

Keyword(s): SAP Interconnect

Don't send the password on the call to SUSR\_LOGIN\_CHECK\_RFC. It's optional and we're logged in already, anyway.

[MIS-1849] MobileDataEntryGuiOnly entering infinite loop on error.

Keyword(s): SAP Interconnect

Comment out the Sub Error subroutine to avoid infinite loop.

[MIS-1848] Outbound Agent can't handle NUL characters in IDoc records.

Keyword(s): Framework, SAP Interconnect

Replace NUL character with space character.

[MIS-1840] Add text for Italian language to LoginSAPUser.TRX.

Keyword(s): Framework

Removed carriage returns from texts.

[MIS-1839] Performance of Speech Handler poor with many return lines.

Keyword(s): Speech

Use StringBuilder instead of string concatenation.

[MIS-1838] Process Analyzer does not report an error if not licensed - it should.

Keyword(s): Framework, Speech

Changed event log from Warning to Error. Will log up to 5 entries.

[MIS-1837] Cluster name is not converted to upper case and license check fails if cluster name is not upper case.

Keyword(s): Framework

Must convert the cluster name to upper case.

[MIS-1832] Change of language/codepage does not supported when explicitly setting host.

Keyword(s): Framework, SAP Interconnect

Determine the correct windows codepage to translate characters.

[MIS-1831] Browsing Queues (MSMQ) on 64-bit platform causes errors.

Keyword(s): SAP Interconnect

Check for location of storage from the registry (64-bit compatible) to find the local queues.

[MIS-1830] IDoc Metadata File Import (RSEIDOC3) - has incorrect parent segment type.

Keyword(s): Framework, SAP Interconnect

Add parameter to handle parent segment type.

[MIS-1828] Sort/Filter do not work properly when the Table is retrieved via RFC.

Keyword(s): SAP Interconnect

Ensure that the offset table can be used for normal tables. Ensure that sort/filter sets the position back to the beginning.

[MIS-1825] A call to Dns.GetHostEntry can return "No such host is known" for an IP address.

Keyword(s): Framework

Changed GetHostEntry with GetHostAddresses to handle resolving IP addresses.

[MIS-1823] ProcessAnalyzer service handler is deadlocked when stopped while processing messages.

Keyword(s): Framework, Services

DataQueueHandlerBase.EndPoint has a SyncLock(Me) that method is called by this very same \_threadObj in ThreadExecutionHandlerBase.Close(), so we can't try to join inside this SyncLock(Me) here - we need to be outside of it.

## **Version 3.5**

### **Known Issues in this Release**

[MIS-1676] Force all .NET projects to compile to 32-bit support instead of 64-bit

Keyword(s): Framework

For developers who write components (libraries, etc.) that work with MIS, and you want to deploy to 64-bit operating systems, you **MUST** compile explicitly for x86 (32-bit) platform and **NOT** use the AnyCPU platform option.

[MIS-1675] MIS 3.5 does not go to "SOFTWARE\Wow6432Node\Teklogix TekRF" registry on a 64 bit system

Keyword(s): Framework

For developers who write components (libraries, etc.) that work with MIS, and you want to deploy to 64-bit operating systems, you **MUST** compile explicitly for x86 (32-bit) platform and **NOT** use the AnyCPU platform option.

## New Features and Improvements in this Release

[MIS-1759] IIS, MSMQ, and SQL are not detected as installed by the Pre-requisite Check Report in a 64-bit system even though they are.

Keyword(s): Administration, 64-bit Windows

MIS 3.5 now supports being installed and running on a 64-bit Windows operating system using 32-bit compatibility mode. The 32-compatibility mode was chosen to better support existing implementation using COM-based VB6 and VBScript solutions without requiring any change to code.

[MIS-1711] Add Connection Pool object to PTISG.SAP.RFC library

Keyword(s): Framework, SAP, RFC

The ConnectionPool class has been added to the PTISG.SAP.RFC (.NET) library. Use one of the overloaded GetPool methods to get a pool of connections with the same connection and logon settings. For example, use **GetPool()** to get the pool with the default global settings; or use **GetPool(ByVal appServerHostName As [String](#), ByVal r3SystemNumber As [Integer](#), ByVal client As [String](#), ByVal user As [String](#), ByVal password As [String](#), ByVal language As [String](#))** to specify all the connection and logon settings. Once you have a pool, call the **Checkout()** method to get exclusive use of an instance of a Connection object from the pool. Once you are done with the connection, return it to the pool with the call to **Checkin(ByVal rfcConnection As [PTISG.SAP.RFC.Connection](#))**

```
Imports PTISG.SAP.RFC
```

```
Public Sub Example()  
    Dim rfcPool As ConnectionPool = Nothing  
    Dim rfcConnection As Connection = Nothing  
    Try  
        rfcPool = ConnectionPool.GetPool()  
        rfcConnection = rfcPool.Checkout()  
    ...  
End Sub
```

```

    Finally
        rfcPool.Checkin(rfcConnection)
    End Try
End Sub

```

## [MIS-1702] Active Dialog runtime library in .NET (port COM version)

Keyword(s): Framework, SAP, Dialog

The ptisgDialog library has been ported to .NET framework. The interface has changed.

```

using PTISG.SAP.RFC;
using PTISG.SAP.Dialog;

public void Example()
{
    Connection rfcConnection;
    Dialog testDialog;
    int screenIndex;

    try
    {
        rfcConnection = ConnectionPool.GetPool().Checkout();
        testDialog = new Dialog(rfcConnection);
        testDialog.Name = "MB1B";
        testDialog.Load();

        // Copy the existing screen and override the field values.
        screenIndex =
testDialog.Screens.Add((Screen)testDialog.DictionaryScreens[0].Clone
());
        testDialog.Screens[screenIndex].Fields["RM07M-LGORT"].Value
= "0020";
        testDialog.Screens[screenIndex].Fields["RM07M-WERKS"].Value
= "0010";

        // Copy the existing screen and override the field values.
        screenIndex =
testDialog.Screens.Add((Screen)testDialog.DictionaryScreens[1].Clone
());
        testDialog.Screens[screenIndex].Fields["MSEGK-UMLGO"].Value
= "0010";
        testDialog.Screens[screenIndex].Fields["MSEG-MATNR"].Value =
"1"; // Don't need to zero-fill
        testDialog.Screens[screenIndex].Fields["MSEG-ERFMG"].Value =
"1.0";

        // Copy the rest of the screens, as is.
        for (int i = 2; i < testDialog.DictionaryScreens.Count; i++)
        {

testDialog.Screens.Add((Screen)testDialog.DictionaryScreens[i].Clone
());

```

```
    }  
    testDialog.Post();  
}  
finally  
{  
    ConnectionPool.GetPool().Checkin(rfcConnection);  
}  
}
```

[MIS-1681] Vista is a supported operating system

Keyword(s): Installation, Administration, Framework

The Microsoft Vista operating system is now supported for development.

### **Issues Resolved in this Release**

[MIS-1801] SAP GUI Console radio buttons do not select the correct radio button.

Keyword(s): Framework, SAP, GUI, Console

The GUI and Console-based transaction now handle radio buttons correctly.

[MIS-1800] Multiple Bell tones are not audible distinct in MobileDataEntry and MobileDataEntryGuiOnly transactions..

Keyword(s): Framework, SAP, Console

The Mobile Data Entry transactions now send separate Bell messages to the device so that the sound will last longer and be more distinct.

[MIS-1799] Error when deleting Data Browser after viewing data.

Keyword(s): Administration, Data Browser

The Data Browser no longer displays an error when deleting an instance – after viewing the data of the selected browser.

[MIS-1785] IDoc Editor does not show correct information for MESTYP field in control record.

Keyword(s): Administration, SAP, IDoc

The IDoc ConvertFromRaw function now ensures the embedded MESTYP field value is taken from the raw text and not overridden by the default values for the IDoc type.

[MIS-1784] TekSpeech idempotent functionality is not agent independent

Keyword(s): Framework, Speech, Idempotent

The idempotent functionality in the Speech Handler service now uses the Agent name as part of the unique key for handling idempotent messaging. Previously, two messages to two different agents could return the same result if the defined key values (for example, date and time) were the same for the two messages.

[MIS-1780] Change password functionality in SAP RFC libraries must take into account option for mixed case.

Keyword(s): Framework, SAP, RFC

All the RFC wrapper libraries now ensure that the “Lowercase passwords” option in the SAP settings was also applied to the ChangePassword functionality. Previously, when changing a password that had mixed case, the password was incorrectly converted to upper case despite the “Lowercase passwords” option being set to True.

[MIS-1760] Databrowser (web-based) does not allow editing on page 2 or greater

Keyword(s): Administration, Web, Databrowser

The web-based Databrowser form now correctly allows editing on the subsequent pages.

[MIS-1758] SAP Replicator Console program should return zero for success and non-zero for failure.

Keyword(s): Framework, SAP, Replicator

The SAP Replicator console executable now returns zero for success and non-zero for failure. Previously, this executable returned zero for error and non-zero (the number of records replicated) for success. This is inconsistent with other console programs so the behavior has been changed.

[MIS-1755] CustomRfcReadTable function is lost in registry when SAP settings are saved

Keyword(s): Framework, SAP, RFC

The Custom RFC read table function module name is no longer being overwritten by the default value.

[MIS-1747] ptisgRFC.Table.Sort fails to sort if the Table is from an RFC parameter

Keyword(s): Framework, SAP, RFC

The Sort method correctly sorts data from GetTable as well as any table from any RFC call.

[MIS-1742] Workstation reporting in WebAdmin reports error.

Keyword(s): Administration, Reports, Web, Installation

The reports are generated using Crystal Reports .Net, and because of impersonation issues, Crystal Reports .Net requires read and/or write permission on the windows temporary folder to generate the temporary images used in the reports. For security reasons, we did not enable those permissions on the temporary folder during the install. Perform the following steps if the customer agree to enable the permission and the reports will display properly.

On Windows 2003 server:

- Right click on <windows drive>\Temp folder and select Properties.
- Click on the Security Tab.
- Select the NETWORK SERVICE user.
- Check the "Read & Execute" permission checkbox.
- Click OK.

On Windows 2000 server:

- Right click on <windows drive>\Temp folder and select Properties.
- Click on the Security Tab.
- Select the ASPNET user.
- Check the "Read & Execute" permission checkbox.
- Click OK.

If the report still does not generate properly after setting the ACL on the temp folder, try adding Modify permission to the corresponding user.

[MIS-1739] Tracing node in MIS Admin is not available in a TekSpeech install

Keyword(s): Administration, TekSpeech, Tracing

The Tracing node is now installed and available with TekSpeech.

[MIS-1737] Application Console on PC doesn't start due to wanting to write to "PT Application Console" event log.

Keyword(s): TekMobile

The PC desktop version of Application Console now logs events to the "Application" event log instead of the "PT Application Console" log.

[MIS-1735] Installing PT Application Console for PC disables all nodes in Web Administration

Keyword(s): TekMobile, Web Administration

The PC desktop version of Application Console no longer changes the registry for the location of MIS installation. Previously, it incorrectly changed the location of the MIS installation directory which disabled the ability of web-based administration to find the MIS assemblies.

[MIS-1734] Installing PT Application Console for PC disables various nodes in MMC Administration

Keyword(s): TekMobile, Administration

The PC desktop version of Application Console no longer changes the registry for the location of MIS installation. Previously, it incorrectly changed the location of the MIS installation directory which disabled the ability of administration to find the MIS assemblies.

[MIS-1733] "Agent Refresh Not Found" error in Trace Log

Keyword(s): TekSpeech, Administration

The syntax of the regular expression in the Vocollect listener properties (PTISG.Speech.Voccollect.DLL.config) has been changed to handle the Refresh agent without client number that is called from the Speech/Sessions snap-in.

The incorrect format is:

```
<parseOptions>
  <clientID value="Optional" format="^\([a-zA-Z0-9]{8}\)|(\d+([-
]\d+)?)$" />
  <agent />
</parseOptions>
```

The correct format should be:

```
<parseOptions>
  <clientID value="Optional" format="^\([a-zA-Z0-9]{8}\)$|^\d+([-
]\d+)?" />
  <agent />
</parseOptions>
```

[MIS-1728] Focus on install button while running the Prerequisite Checker may cause an error that forces a cancellation.

Keyword(s): Installation, Prerequisite Checker

The Install wizard and the Prerequisite Checker wizard have been corrected so that the default buttons do not allow the installation to be cancelled inadvertently.

[MIS-1725] PictureBox doesn't work well with transparent gif files.

Keyword(s): TekMobile, CE

The PictureBox has been changed to set the Color key to emulate transparency because CE does not handle transparency.

[MIS-1722] Installer creates the directory TeklogixDB even when you don't want it

Keyword(s): Installation, Database

The TeklogixDB directory does not get created when the user answers No to create the directory and the user will be allowed to change the directory. If the user answers Cancel to the question, the whole database installation and connection wizard will be cancelled.

[MIS-1721] Make images in MIS portal panels clickable like the text

Keyword(s): TekMobile, CE

The PictureBox has been changed to set the Color key to emulate transparency because CE does not handle transparency.

[MIS-1720] Uninstall asks whether to remove database even when no database is installed

Keyword(s): TekConsole SC, Installation, Database

The TekConsole SC uninstallation will no longer ask for removal of the database.

[MIS-1718] Ordering messed up after adding new SAP/Telnet Credential

Keyword(s): Administration, MMC, Credentials

The order of SAP and Telnet credentials in the list is now consistent.

[MIS-1715] Ordering messed up after adding new Terminal Mapping or Keymaps

Keyword(s): Administration, MMC, Telnet

The order of Telnet Terminal Mapping and Keymaps in the list is now consistent.

[MIS-1710] MIS.Portal InstallerBase should check if the same URL already exists

Keyword(s): Installation, Web Portal

The Web Portal installer now checks for existing portal configuration with the same name and URL. It will not install the same Portal extension if it finds a duplicate.

[MIS-1701] Update TEKBSS, etc. to latest version.

Keyword(s): Framework, TEKBSS

The TEKBSS, TEKNTSRV, TEKMNT console programs have been updated to version 2.4.0. The new version allows for larger buffers to be transferred between Terminal Handler and the devices.

[MIS-1699] DatabaseManager should allow silent registration of schemas

Keyword(s): Installation, Framework, Database

The Database Management wizard can be run in silent mode using the /Silent switch.

```
PTISG.Configuration.Install.Installer /ia  
PTISG.Management.Install.Database.dll /Silent
```

[MIS-1698] Runtime libraries have invalid P/Invoke definitions (esp. FormatMessage)

Keyword(s): Framework, P/Invoke

The P/Invoke signatures and calls have been reviewed and modified to ensure they are correctly implemented. Previously, memory leaks or crashes could occur due to incorrectly implemented P/Invoke definitions. In the case of FormatMessage, it can be replaced with ...

(New  
`System.ComponentModel.Win32Exception(System.Runtime.InteropServices.Marshal.GetLastWin32Error()).Message`

[MIS-1697] RFC wrapper libraries don't correctly handle a "deep-structure" table

Keyword(s): Framework, SAP, RFC

The RFC wrapper libraries (TeklogixSAP, ptisgRFC, and PTISG.SAP.NET) now no longer add "deep-structure" tables to the list of table properties of an RFC.

[MIS-1691] MobileDataEntryGuiOnly can get into infinite loop

Keyword(s): Framework, SAP, Console

The MobileDataEntryGuiOnly now checks for an outstanding message for the user.

[MIS-1679] Application Console support for Windows Mobile 5/6

Keyword(s): Framework, TekMobile, Windows Mobile

Application Console now correctly supports Windows Mobile 5 and 6.

[MIS-1661] All config files must have the encoding attribute removed.

Keyword(s): Framework

```
Every single .config file that is in SVN needs to have
  <?xml version="1.0" encoding="xxx"?>
changed to
  <?xml version="1.0"?>
The files must then be saved as UTF-8.
```

[MIS-1659] Upgrade all projects to use Syncfusion 6.1.0.34.

Keyword(s): Framework

Syncfusion version 4 doesn't install properly on OS with VS.NET 2008, so we need to use Syncfusion 6.1.0.34.

[MIS-1658] Drop support for Windows 2000 Server!

Keyword(s): Framework, .NET

Since .NET 3.5 is not supported by Windows 2000 Server, support for this OS is dropped.

[MIS-1655] Upgrade all projects to VS.NET 2008.

Keyword(s): Framework, .NET

We now use the latest and greatest VS.

[MIS-1653] Replication of differences since last time of SAP table LAGP result in a ConstraintException

Keyword(s): Framework, SAP, Replication

If invalid Records per Section is entered (0), the replicator will replicate in one shot.

[MIS-1648] Some component leak memory because OleDbDataReader leaks memory

Keyword(s): Framework, Database

Replace calls to OleDbDataReader with OleDbDataAdapter.

[MIS-1645] TekRF: Unable to set the .Sort on Table.Recordset

Keywords(s): Framework, Record

Added the Filter and Sort properties to the ptisgData.IRecordset interface and implemented these new properties

[MIS-1644] MIS Remoting is no longer supported in MIS 3.5. Should be removed from the installation.

Keywords(s): Framework, Remote

Remoting is gone! (Yeah)

[MIS-1637] If the SAPMonitor field is created automatically then it is always blank.

Keywords(s): Framework, SAP

Must initialize the BufferSize value when a field is created. Applies to the Entry and List field types in the TeklogixScreenField library

[MIS-1634] "TeklogixDB.Database" does not show the original error if a SQL statement fails within a SQL transaction.

Keywords(s): Framework, Database

Detect if in a transaction. Rollback the transaction if necessary before closing the connection when an error occurs. This now shows the original error.

[MIS-1633] Ensure compatibility of TekMobile/Application Console on WAP G2 (7527) CE 5.0

Keywords(s): Framework, TekMobile, CE

TekMobile/Application Console 3.5 now works on Wap G2 and CE5.0.

[MIS-1627] Update Client SDK to support "Client Codepage"

Keywords(s): Framework, Speech

Added the ability to set the codepage with two values WesternEuropean = 1252 and UTF8 = 65001

[MIS-1626] Update Speech Handler to add "Client Codepage" property to Vocollect Listener

Keywords(s): Framework, Speech

Added the ability to set the codepage with two values WesternEuropean = 1252 and UTF8 = 65001

[MIS-1625] Add "Writer CodePage" property to Vocollect Listener

Keywords(s): Framework, Speech

Added the ability to set the codepage with two values WesternEuropean = 1252 and UTF8 = 65001

[MIS-1619] Need implementation of PTISG.SAP.Connector for PTISG.SAP.RFC.Connection

Keywords(s): Framework, SAP, RFC

?? Code snippet (BRUCE)

[MIS-1617] Problem with IDOC MATMAS05 in MIS 3.004 SP2

Keywords(s): Framework, SAP, IDoc, Outbound Agent

In order to handle field names with "/" it is necessary to bracket [...] these fields whether in the SQL create or the VB script.

[MIS-1608] MIS needs to be able to create virtual directories on IIS 7 (Vista).

Keywords(s): Framework, IIS, Web

Made "IIS Metabase and IIS 6 configuration compatibility" a pre-requisite for machines with IIS7. The reason is that PTISG.Management.IIS.IIS exposes a few public APIs that takes an ADSI path as a parameter, which is then passed to System.DirectoryServices. According to MS, System.DirectoryServices requires IIS 6 compatibility to be installed if used with an ADSI path

[MIS-1604] Update all third party components to the latest and greatest version.

Keywords(s): Framework, Syncfusion

Syncfusion was the only component actually updated.

[MIS-1603] Create program shortcut to Transaction Designer and Transaction Set Designer.

Keywords(s): Framework, Syncfusion

Added to Start/All Programs/Psion Teklogix

[MIS-1598] Test MIS still works in cluster environment.

Keywords(s): Framework, Cluster

Installs, licenses and runs.

[MIS-1596] PTISG.SAP.RFC library does not work properly with 3.1I systems

Keywords(s): Framework, SAP, RFC

Correct the size and layout of the DFIES structure for pre-40A systems

[MIS-1589] Tess.PrinterPortPass needs to support Asian languages

Keywords(s): Framework, Print

Add Printer Port Pass Codepage property to support direct printing of Asian Languages. Note that this property is separate from the Terminal codepage (can display one but print in another).

[MIS-1565] Add a "None" FieldDelimiter to the FileWatcher Service Handler

Keywords(s): Framework, Speech

Added the None type so that no delimiters are required and a "DEFAULT" agent can run to parse fixed length files

[MIS-1564] Improve performance of MobileDataEntry[GuiOnly] transactions.

Keywords(s): Framework, SAPConsole, Mobile Data, Entry, TekConsole SC

Performance improved back to TekRF 2.x version level.

[MIS-1563] Portal is not using Resource Manager to translate the top panel text.

Keywords(s): Framework, Web, Portal

Fixed problem about getting translated text for the top panel in client-side code.  
Fixed problem with the top panel text being display when the bottom panel is invoked via start.aspx

[MIS-1561] Add a "default" NodeType/AgentName/AgentColumn in FileWatcher to process files that do not conform to the norm

Keywords(s): Framework, Speech

Fixed. See also MIS-1565

[MIS-1551] Change mis.portal.config to support specifying the ResourceManager type to use

Keywords(s): Framework, Web, Portal

Added the ResourceManager attribute to the <Panel> element. The value is a fully qualified name of the dll where the ResourceManager is located..

[MIS-1550] Add multi-language support to Web Portal

Keywords(s): Framework, Web, Portal

Applications built for Web Portal will generally be multi-lingual making use of the browser's culture setting to determine which language to use. Web Portal now does the same so that users only have to change only one setting to change languages.

[MIS-1547] Allow MIS.Portal to set the selected app on startup and pass in "command-line" arguments

Keywords(s): Framework, Web, Portal

3 keywords on the query string are read by MIS.Portal: app, panel, item. To set the start page, specify a URL to point to start.aspx, similar to the following:

```
http://localhost/mis.portal/start.aspx?app=SPA&panel=Dashboards&item=Warehouse
```

[MIS-1546] Improve the way PTISG.Windows.Forms.CollectionEditor displays the values.

Keywords(s): Framework, Web, Portal

Correctly retrieves the ToString() method to display the text returned from this override.

[MIS-1545] Multithreading problem in PTISG.Messaging.Synchronous.dll

Keywords(s): Framework,

Corrected multithreaded behavior of the response listener.

[MIS-1542] Enhancement required for Management.Service.Handler.FileWatcher - Enable/Disable Flag

Keywords(s): Framework, Speech

Added enable/disable flags to Management Class so that any handler can be controlled.

[MIS-1541] Add possibility to exchange messages using MSMQ between TekSpeech and any WMS

Keywords(s): Framework, Speech

Implemented MSMQ version of IBM WMQ queuing interface.

[MIS-1540] All ASP.NET applications after install need to go to "Classic .NET AppPool".

[Keywords(s): Framework, Web, Portal

Moved Portal, WebAdmin, WebServices, etc. from DefaultApplication pool to Classic .NET AppPool

MIS-1538] TypeConverter Class called FieldMappingConverter is not working properly for the SignOff agent properties.

Keywords(s): Framework, Speech

The FieldMappingConverter class was not handling correctly when the user clicks on any property of the "Exception Handling" group of properties. The TypeConverter class now creates a drop-down list with all the available output fields

[MIS-1520] Need a new version of PrinterCE.NetCF.dll

[Keywords(s): Framework, Print, .NET

Updated version was used to support CF.NET 2.x

MIS-1509] Add design time support to CE custom controls.

Keywords(s): Framework, .NET

Updating to VS2008 changed design time methodology. Added design time controls for ImageViewer, ListView, PictureBox and SignatureBox KeyboardEditor has been removed since mobile apps under VS2008 now have support for keydown, keyup, and tabIndex.

[MIS-1505] Error "Data Browser 'TABLENAME' not found" when pressing NextPage or NextBlock while browsing a replicated table in WebAdmin

Keywords(s): Framework, Web

To solve this problem, the VIEWSTATE must be populated with the values of both the id and tablename, in the case of a replicator - but only the id in the case of a "real" databrowser.

[MIS-1499] Upgrade PTISG.IBM.WMQ.

Keywords(s): Framework, IBM

PTISG.IBM.WMQ needs to be upgraded to use IBM WMQ version 6 and ensure new version of IBM supports .NET 2.0

[MIS-1498] PTISG.Sdk.Speech.Agents.Data uses obsolete PTISG classes.

Keywords(s): Framework, Speech

The library has modified to remove references to obsolete classes and methods.

[MIS-1497] PTISG.Sdk.Speech.Studio is using now obsolete interface Microsoft.Vsa.IVsaSite.

Keywords(s): Framework, Speech

Removed dependencies on VSA and implemented it based on CodeDom.

[MIS-1495] None of the IIS applications will run on IIS 7 and up (VISTA).

Keywords(s): Framework, Web Administration, Portal

Made configuration and installation changes to Web Administration, Portal and Services.

[MIS-1491] Install the 10 ptisg\*.VBS includes files in the MIS directory and NOT the MIS\Data directory.

Keywords(s): Framework, Web, Portal

MIS actually searches first in the MIS directory and then the Data directory. By moving these files from the Data directory we ensure they are always found and reinforce that they are not supposed to be field modified.

**NOTE:** This may have an effect on projects that depend on a modified version of these files.

[MIS-1475] Change the way the OpinionatedGeek's ComboBox links the scripts.

Keywords(s): Framework, Web, Portal

The web portal framework has implemented a more elegant way of using the OpinionatedGeek's ComboBox requiring less interference from us.

[MIS-1471] Upgrade all third party components.

Keywords(s): Framework, Web, Portal

Upgraded Syncfusion, Janus, DevExpress , Opinionated Geek (see MIS-1604)

[MIS-1454] Injecting license check in WebServices fails if forced to run on .NET 2.0.

Keywords(s): Framework, Web

For .NET 2.0, we no longer can inject PTISG.Web.Services.Protocols.ServerLicensingSoapExtension into a configuration in runtime, so we added it to web.config and here we check to ensure someone hasn't removed it.

[MIS-1453] Changing SAP Connection properties (SAP Logon ID) is not persisted

Keywords(s): Framework, SAP, RFC

Save the SAP Logon ID properties to the correct registry value.

[MIS-1448] "700" does not appear in the SAP version list

Keywords(s): Framework, SAP

Added it.

[MIS-1444] Workflow Data Agents: A 2nd call to a stored procedure data agent fails.

Keywords(s): Framework, SPA, Workflow

When a second stored procedure is called, it was getting called with the cached input parameters from the first stored procedure call. This has been corrected.

[MIS-1439] UserVariables("RFCConnection").GetTable returns a Table unsuitable for the Transaction Table Provider - Change interface

Keywords(s): Framework, SAP, RFC

Added the Attributes property to the RFC fields

[MIS-1395] Test Application Console on Windows Mobile 2003 SE

Keywords(s): Mobile, Windows Mobile

TekMobile now supports Windows Mobile 2003 SE.

[MIS-1393] WM 2003 SE - Maximize form covers top start menu

Keywords(s): Mobile, Windows Mobile

TekMobile now supports Windows Mobile 2003 SE without covering the start menu.

[MIS-1380] WM 2003 SE - Top start menu does not refresh in CardManager

Keywords(s): Mobile, Windows Mobile

TekMobile now supports Windows Mobile 2003 SE without covering the start menu.

[MIS-1371] Support for WebSphere MQ version 6.0 is required

Keywords(s): Framework, IBM WebSphere MQ

The WMQ library has been updated to support WebSphere MQ version 6.0.

[MIS-1365] Allow the screen buttons to be hidden if mapped to TekGUI toolbar - MobileDataEntryGuiOnly variant

Keywords(s): Framework, SAP, Console

The MobileDataEntryGuiOnly transaction allows the application buttons (on the screen) to be hidden when used in conjunction with TekGUI and the button toolbar.

[MIS-1360] Sort order still incorrect after recreating terminal range via the MMC

Keywords(s): Administration, RF Terminal

The sort order of the added terminals now order correctly.

[MIS-1228] Remove Remote Administration from our product.

Keywords(s): Administration, Framework, Remoting

It is no longer possible to use remote MMC administration. You must now use web-based administration.

[MIS-1213] Web Administration Runtime Error on a 64-bit system

Keywords(s): Administration, Web

The web-based administration is available on 64-bit systems in 32-bit mode.

[MIS-1095] Build MIS on .NET Framework 2.0

Keywords(s): Administration, Framework, Web, Portal

MIS is now entirely compiled using .NET Framework 2.0 using Visual Studio 2008.

[MIS-989] Database installation does not handle named instance correctly

Keywords(s): Framework, Web, Portal

The Database Management wizard now informs the user that the database may not exist but allows the user to continue.

## **Version 3.4 SP3**

### **Known Issues Not Resolved in this Release**

[ISG-504] Ensure compatibility of TekMobile/Application Console on WAP G2 (7527) CE 5.0.

Keyword(s): Application Console, WAP, CE

While Application Console does run on a WAP G2 with CE 5.0, there are some minor appearance differences.

However, the preferred implementation methodology would be to wait for MIS 3.5 and use .NET Framework 2.0. Hence this issue remains open until MIS 3.5 (using .NET framework 2.0 and Visual Studio 2005) is fully released.

## Issues Resolved in this Release

[MIS-989] Database installation does not handle named instance correctly.

Keyword(s): Installation, Database

The database installation handles the case of a database with a named instance better.

[MIS-1351] PTISG.SAP.RFC UnitTest error - "Socket operation on non-socket".

Keyword(s): Framework, SAP, RFC

The PTISG.SAP.RFC library has been improved to ensure that the connection is closed only once. Previously, it was possible that the connection could be closed more than once causing the "Socket operation on non-socket" error.

[MIS-1360] Sort order still incorrect after creating terminal range via the MMC.

Keyword(s): Administration, MMC, RF Terminal

The sort order is correct after creating a new terminal range when used from the MMC interface.

[MIS-1365] Allow the screen buttons to be hidden if mapped to TekGUI toolbar - MobileDataEntryGuiOnly variant.

Keyword(s): Framework, SAP, GUI, MDE

The button that would normally appear on the screen are not hidden if the TekGUI toolbar is enabled for the MobileDataEntryGuiOnly version just like the MobileDataEntry version.

[MIS-1505] Error "Data Browser 'TABLENAME' not found" when pressing NextPage or NextBlock while browsing a replicated table in Web-based Administration

Keyword(s): Administration, Web, Data Browser, SAP, Replicator

The data browser used in the SAP Replicator section of the web-based administration correctly handles paging.

[MIS-1513] Blink being rendered when Reverse should be.

Keyword(s): Framework, RF Terminal

Displays Reverse field correctly instead of as Blink.

[MIS-1530] MobileDataEntryGuiOnly transactions does not handle "already logged on" situation correctly.

Keyword(s): Framework, SAP, GUI, MDE

The MobileDataEntryGuiOnly transaction better handles the "already logged on" scenario.

[MIS-1538] TypeConverter Class called FieldMappingConverter is not working properly for the SignOff agent properties.

Keyword(s): Framework, Speech, Agent, Telnet

The type converter for the Telnet agent has been corrected to work correctly with the Telnet SignOff agent.

[MIS-1545] Multithreading problem in PTISG.Messaging.Synchronous.dll

Keyword(s): Framework, Messaging

Correctly handles all multi-threaded scenarios.

[MIS-1549] Performance of PTISG.Security.Cryptography.Crypto.Encrypt/Decrypt functions are slow.

Keyword(s): Framework, Licensing

Improved performance of the encrypting and decrypting function when reading licenses and decoding database connection strings.

[MIS-1554] Windows Server 2003 SP2 causes SAP Replicators to fail

Keyword(s): Framework, SAP, Replicator

SAP Replicator works correctly when specifying a WHERE clause and the Windows Server 2003 SP2 is installed. Previously, a cryptic error "SAP Replicator: SQL Connectivity (SQL Server is not Available or Access Denied)" was given for this problem.

[MIS-1560] Behaviour of AIAG-enable fields changed - no longer truncating scanned value

Keyword(s): Framework, RF Terminal, AIAG

The functionality of the AIAG field processing is has been restored to the previous behavior – truncating the value. However, a hidden option is available. To change this

option add the following element as a sibling to the AIAGEnabled element in the XML for the TRX file:

```
<AIAGTruncateScannedData>False</AIAGTruncateScannedData>.
```

[MIS-1562] The TeklogixQueue.Queue.CompressMessages property is not set properly in all cases.

Keyword(s): Framework, Queue, MSMQ, COM

The Queue library is now correctly setting the “CompressMessages” property.

[MIS-1564] Improve performance of MobileDataEntry[GuiOnly] transactions.

Keyword(s): Framework, SAP, GUI, MDE

The performance of the MobileDataEntry and MobileDataEntryGuiOnly have been improved.

[MIS-1566] SAP replicator does not handle ABAP type INT4 correctly (in SAP 46C and earlier)

Keyword(s): Framework, SAP, RFC, Replicator

The RFC library now handles INT4, INT2, and INT1 data types correctly when used with RFC\_READ\_TABLE. As well, the Replicator now tries to use TABLE\_ENTRIES\_GET\_VIA\_RFC whenever possible for SAP 46C and earlier.

[MIS-1571] UseSyncUpdateMode property of ActiveDialog does not work

Keyword(s): Framework, SAP, Dialog

As part of a previous fix, this option was accidentally disabled. It is now working correctly when calling either ABAP4\_CALL\_TRANSACTION or RFC\_CALL\_TRANSACTION.

[MIS-1572] Java Script error using IE 7 and drop down list box.

Keyword(s): Administration, Web

Corrected a bug with drop down lists when using Internet Explorer 7.

[MIS-1574] Saving hierarchical settings of PTISG.Configuration.ObjectManagerPropertiesBase objects loses its children that have not been loaded

Keyword(s): Framework, ObjectManager

Correctly saving hierarchical children object properties.

[MIS-1575] PTISG.Data.Factory.GetConnection fails if database connection string is empty in the registry.

Keyword(s): Framework, Database

Better handles the case of a missing connection string in the registry.

[MIS-1596] PTISG.SAP.RFC library does not work properly with 3.1I systems

Keyword(s): Framework, SAP, RFC, Replicator

Correctly handles the case of SAP version 3.1I and earlier.

[MIS-1595] Ensure Speech Handler and Client Emulator run on Vista

Keyword(s): Framework, Database

Now handles the library difference on Vista due to IPV6 changes to networking on that platform.

[MIS-1617] Problem with IDOC MATMAS05 in MIS 3.004 SP2

Keyword(s): Framework, SAP, IDoc, Agent

Correctly handles the case of IDoc Segment field names that contain the / (slash) character.

[MIS-1624] File Watcher Service: Files with errors in it do not generate an error, they just get sent to the backup folder.

Keyword(s): Framework, File Watcher Service

Now adds a check to put the file into the "Exception" folder if the file is empty or if the AgentColumn > 1 but the actual columns returned after parsing is not greater than one. However, if the AgentColumn = 0 and the FieldDelimiter is set to something other than "None" then the entire string is passed to the Agent and it's up to the developer to parse each line.

## **New Features and Improvements in this Release**

[MIS-1542] Enhancement required for Management.Service.Handler.FileWatcher - Enable/Disable Flag

Keyword(s): Framework, Workflow, File Watcher

The File Watcher service now has a new property to enable and disable it.

[MIS-1546] Improve the way PTISG.Windows.Forms.CollectionEditor displays the values.

Keyword(s): Framework, Administration

The Collection Editor now allows the collection to implement the ToString method to return a human-readable text to the Property grid.

[MIS-1547] Allow MIS.Portal to set the selected app on startup and pass in "command-line" arguments

Keyword(s): Administration, Portal

The MIS Portal container now allows three settings to be given in the invoking URL:  
app=<application name>  
panel=<panel name in the application>  
item=<item name in the panel>

For example:

<http://localhost/mis.portal/start.aspx?app=SPA&panel=Dashboards&item=Warehouse>

This starts the portal using the SPA application, with the Dashboard panel and the Warehouse item in the panel.

[MIS-1541] Add possibility to exchange messages using MSMQ between Tekspeech and any WMS

[MIS-1550] Add multi-language support to Web Portal

Keyword(s): Administration, Portal

The MIS Portal now supports multiple languages via resource manager.

The ResourceManager attribute is added to the <Panel> element. Use this attribute to specify the fully qualified class name for the ResourceManager. Portal applications must implement a class that inherits from PTISG.Web.Portal.ResourceManager and implement the GetResourceManager() method. Within the method, it'll instantiate an actual ResourceManager using the proper constructor and return it. Then all the Name attributes can refer to the key of the resource item to retrieve from the ResourceManager.

[MIS-1559] PTISG.SAP.RFC.Connection.GetTable returns an exception for SAP lookups which return 0 records.

Keyword(s): Framework, SAP, RFC

This method is no longer raising an exception for the zero-record case.

[MIS-1561] Add a "default" NodeType/AgentName/AgentColumn in FileWatcher to process files that do not conform to the norm

Keyword(s): Framework, Workflow, File Watcher

There is now a "default" agent to handle non-field delimited files.

[MIS-1565] Add a "None" FieldDelimiter to the FileWatcher Service Handler

Keyword(s): Framework, Workflow, File Watcher

There is now a "None" field delimiter to handle files that do not use field delimitation.

[MIS-1589] Tess.PrinterPortPass needs to support Asian languages

Keyword(s): Framework, RF Terminal, Printing

There is a new property of the Terminal to allow setting the codepage of the PrinterPortPass data. By default, the codepage is Western European (Windows 1252) for backward compatibility.

[MIS-1612] Add PTISG.Compression.Zipper.exe

Keyword(s): Framework, Zip Compression

Added a utility to compress multiple files or directories into compressed zipped files.

[MIS-1619] Need implementation of PTISG.SAP.Connector for PTISG.SAP.RFC.Connection

Keyword(s): Framework, SAP, RFC, Credentials

There is a new class to return an instance of PTISG.SAP.RFC.Connection with the proper SAP credentials set on the object.

## **Version 3.4 SP2**

### **Issues Resolved in this Release**

[MIS-1206] Manage Database Wizard always shows local databases if the server was typed in.

Keyword(s): Administration, Database

The database list not correctly refreshes if the Server field is typed in directly. Previously, the database list was only refreshed if the Server field was updated from the drop down list.

[MIS-1463] PTISG.SAP.GUI.AutoGUI.Event attempts SAP Login with Global SAP Host Setting even if you give it another Host #.

Keyword(s): Framework, SAP, GUI

The .NET version of the SAP GUI wrapper now uses the values passed to the Connect method instead of always using the host settings from the SAP Global Settings.

[MIS-1500] Import (web-based) fails when duplicates reported

Keyword(s): Administration, Import/Export

The Import works correctly now in the web-based administration when a duplicate record is detected while importing an export file.

[MIS-1512] FileWatcher or PTISG.Workflow library not handling non string datatypes

Keyword(s): Framework, FileWatcher, Workflow

The PTISG.Workflow.DataAgent.OleDb.OleDbStoredProcedureAgent now converts empty columns to DBNull so that empty values can be handled when the data type is not string (e.g. date, integer, etc.).

[MIS-1515] Database connection not refreshed correctly

Keyword(s): Framework, Database

The PTISG.Data.GetConnection method now correctly caches the database connection string. Previously (SP1), the database connection string was decrypted every time this method is called causing poor performance.

[MIS-1517] Improve performance of Messaging Data Queue

Keyword(s): Framework, Message, Data, Queue

The PTISG.Messaging.Data.Queue now performs better than in previous versions because “read” records are moved to a separate table.

[MIS-1524] Publishing PA messages using Speech Agents do not allow for fields to be excluded

Keyword(s): Framework, Process Analyzer, Speech, Agents

The Process Analyzer infrastructure for Speech agents now allow fields to be excluded and are no longer required to be contiguous.

[MIS-1526] FileWatcher or PTISG.Workflow not parsing the last parameter with non comma delimiters

Keyword(s): Framework, FileWatcher, Workflow

The FileWatcher now correctly parses a line that contains a blank as the last field in a “free-text” separated file.

[MIS-1529] Changing user password with Web Admin not being saved

Keyword(s): Administration, User Management, Sites

The Change Password function of the User in User Management for Sites now correctly saves the changed password when used in web-based administration. Previously, changing the password did not save the changed value to the database.

[MIS-1531] Cannot uninstall service that derives from PTISG.Management.Service.ServiceInstallerBase if installed multiple times

Keyword(s): Framework, Installation, Service

The services now uninstall even if the service has been installed multiple times. Previously, some services would not uninstall correctly.

[MIS-1532] Include components that are common to both SPA and TAS in Service Pack

Keyword(s): Framework, Process Analyzer

The PTISG.ProcessAnalyzer library has been added.

[MIS-1533] TekSpeech does not recognize WAP Speech device id as client id.

Keyword(s): Framework, Vocollect, Speech

The client id can now include any alphanumeric string of exactly 8 digits as well as the previous format of a numeric-only string of any length.

[MIS-1534] Multiple Idempotent fields override each other making unique not that unique

Keyword(s): Framework, Speech, Idempotent

The idempotent runtime correct handles composite (multiple) key fields correctly. Previously, if a multiple columns were chosen for the unique value for idempotent processing, the runtime would incorrectly only use one (the last) field to determine uniqueness.

## **New Features and Improvements in this Release**

[MIS-1496] Clean old messages queued in Messaging.Data.Queue

Keyword(s): Framework, Message, Data, Queue

The PTISG.Messaging.Data.Queue now has a mechanism to periodically clean old messages in the Data Queue. This is added as Scheduled tasks.

[MIS-1501] Add the ability to export messages from the message queue into a CSV flat file

Keyword(s): Framework, Message, Data, Queue

The PTISG.Messaging.Data.Queue now has a mechanism to export messages into as CSV flat file.

[MIS-1507] Add new feature (#5) to MIS license key to indicate whether Process Analyzer is enabled

Keyword(s): Administration, License, Process Analyzer

MIS now has a feature called Process Analyzer. It must be enabled in the license for Speech Process Analyzer to work.

[MIS-1514] Support configuration of Data Browsers that can access database views

Keyword(s): Administration, Data Browser

Data Browsers can now be created for database views. The database views are now listed in the drop-down list (at the bottom).

[MIS-1519] Update the MIS Portal page title.

Keyword(s): Administration, Portal

The MIS Portal title page has changed.

## **Version 3.4 SP1**

### **Issues Resolved in this Release**

[MIS-1219] Database Wizard does not invalidate static connection string.

Keyword(s): Framework, Database

The database connection string is correctly refreshing the most recently stored value.

[MIS-1359] Description field not available when creating a range of terminal in Web admin

Keyword(s): Administration, Web, RF Terminal

The Description field appears during the web-based new terminals wizard.

[MIS-1376] Process Analyzer handling fails with empty LUT response.

Keyword(s): Framework, Process Analyzer

The Process Analyzer correctly handles an empty LUT response.

[MIS-1378] RFC add-in fails when parameter data type is "direct"

Keyword(s): Design-time, SAP, RFC

The RFC add-in for Transaction Designer now handles direct RFC data types (not based on dictionary data types).

[MIS-1436] Web-based administration need to support browser language even if the language is a neutral culture.

Keyword(s): Administration, Web

The web-based administration now handles web browsers that publish a “neutral” culture (e.g. it, de, fr, etc.) instead of a specific culture (e.g. it-IT, de-DE, fr-FR, etc.). Previously, an exception was returned if the “neutral” culture was set in the browser properties.

[MIS-1443] PTISG.IO.MemoryMapped.dll must be added to installation

Keyword(s): Framework

The library is now distributed with the service pack install. Previously, the PTISG.SAP.GUI.AutoGUI.dll failed to work due to this missing file.

[MIS-1444] Workflow Data Agents: A 2nd call to a stored procedure data agent fails.

Keyword(s): Framework, Workflow

The Workflow library now handles multiple calls correctly.

[MIS-1449] Replicators/Replicator object types not registered - causes TeklogixReplicator.Replicator.Initialize to fail.

Keyword(s): Framework, SAP, Replicator

The older version of Replicators (Replicator.exe) and its supporting library TeklogixReplicator.dll now work correctly. The older version of Replicators (Replicator.exe) and its supporting library TeklogixReplicator.dll failed to work correctly because of missing entries in the registry.

[MIS-1453] Changing SAP Connection properties (SAP Logon ID) is not persisted

Keyword(s): Administration, Framework, SAP, RFC

The SAP Login ID property is now correctly saved and retrieved.

[MIS-1456] PTISG.Security.Crypto Encrypt or Decrypt fails when run using Framework 2.0

Keyword(s): Framework, Cryptography

The Encrypt and Decrypt classes now work correctly when run in .NET framework 2.0.

[MIS-1459] No scroll bar if too many items in left navigation pane.

Keyword(s): Administration, Portal

The Portal navigation pane correctly displays a scroll bar, as necessary.

[MIS-1464] IsComponentManagerInstalled() method is wrong now when we copy all dll's under all setup types.

Keyword(s): Framework, Workstation, Publication

A number of components now work correctly when they are NOT installed.

[MIS-1470] MIS 3.4 and OTT 4.3.270 (J106J, F056) do handle buttons.

Keyword(s): Framework, RF Terminal, Open TekTerm

The terminal handler runtime no longer tries to create buttons on a version of Open TekTerm that does not support that feature.

[MIS-1473] Java Script error using IE 7 and drop down list box.

Keyword(s): Administration

Web-based Administration now works correctly with Internet Explorer 7.

[MIS-1476] Outbound Agent stops working after MSMQ exception.

Keyword(s): Framework, SAP, Agent

The Outbound Agent has been modified to poll for data in the Outbound Gateway queue instead of waiting for events to be raised on when data is available in the queue. While the original problem behaviour could not be replicated in the lab, this change is likely to fix the problem as it does not keep queues open for a long time.

[MIS-1477] Database connection not refreshed correctly

Keyword(s): Framework, Database

See MIS-1219.

[MIS-1478] Unable to use PTISG.MIS library due to permission problems in registry

Keyword(s): Framework, Registry

The PTISG.MIS library is now more careful about opening the registry with only the required permissions. This will help anonymous web-based applications that need to know the location of the MIS installation directory, for example.

[MIS-1479] PTISG.IIS.WebServices.Synchronize.GetServerDateTime must not have NoSecurityRequired - requires security

Keyword(s): Framework, Web Service, Mobile

The method has been changed to now require security. That is, the caller must be authenticated.

[MIS-1481] Web Administration UninstallBase incorrectly reports error when uninstalling snap-in that does not exist.

Keyword(s): Installation, Administration

Components that uninstall their web snap-ins when they are not yet installed will no longer report an error.

[MIS-1484] Table replication

Keyword(s): Framework, Trace

Trace messages no longer get truncated due to file locking exceptions or incorrect file locking properties.

[MIS-1487] PTISG.IBM.WMQ.Client.SendAndReceive is not thread-safe

Keyword(s): Framework, IBM, WebSphere MQ

The SendAndReceive method is not thread-safe.

[MIS-1488] Trace monitor for WebAdmin doesn't work in IE7

Keyword(s): Administration, Web

The web-based Trace Monitor for RF Terminals, Connection, etc. now works correctly in Internet Explorer 7.

## **New Features and Improvements in this Release**

[MIS-1371] Support for WebSphere MQ version 6.0 is required

Keyword(s): Framework, IBM, WebSphere MQ

The IBM libraries for WebSphere MQ version 6.0 are distributed with this service pack. These libraries are backward compatible with version 5.x.

[MIS-1448] SAP Version "700" does not appear in the SAP version list

Keyword(s): Administration, SAP

The SAP administration snap-in now includes version 700.

[MIS-1461] Give PTISG.Speech.AgentExtendedPropertiesBase new Loaded event.

Keyword(s): Framework, Speech

The PTISG.Speech.AgentExtendedPropertiesBase class has been extended with the Loaded event.

[MIS-1474] Web Portal Configuration still uses the namespace as the url path

Keyword(s): Framework, Portal

The portal runtime correctly handles the name of the configuration file.

[MIS-1482] SAP IDoc parser metadata format changed in Web AS 6.40

Keyword(s): Framework, SAP, IDoc

The importing of RSEIDOC3 metadata files (with the extension MTD) now handles the new format of the file that use CHARACTER\_FIRST and CHARACTER\_LAST in place of BYTE\_FIRST and BYTE\_LAST, respectively. This change was introduced in Web AS version 6.40.

[MIS-1483] Provide more detailed information after Replicator is executed.

Keyword(s): Framework, SAP, Replicator

The Replicator runtime now also includes the SAP and SQL tables that are targeted by the Replication.

[MIS-1486] Enhance the MIS Portal top bar

Keyword(s): Administration, Framework, Portal

The Portal's top title bar can be customized. To modify the page title, application logo and/or application title, go to MIIS installation directory to the subdirectories IIS\Portal and modify the corresponding keys under the appSettings section of the Web.Config file.

[MIS-1490] Add regular expression replacement to the Trace Viewer

Keyword(s): Administration, Trace Viewer

The Trace Viewer has been enhanced to allow the reformatting of the text in the Message column.

## **Version 3.4**

### **New Features and Improvements in this Release**

[ISG-1] Improve credential administration for users

Keyword(s): Administration, User Management for Sites

Two new options are available for a Credential in User Management for Sites snap-in: Move and Copy.

[ISG-148] Transaction Designer - RFC connection issues

Keyword(s): Design-time, Transaction Designer

The Transaction Designer allows developers to disable using an RFC Connection at startup. This option can be made by going to the menu options Add-Ins/RFC Settings... and setting the "Disable RFC Connection(s) at startup" option appropriately.

[ISG-303] Allow Replicator "Snap shot" to be scheduled

Keyword(s): Framework, Administration, SAP, Replicator

The SAP Replicator can now be run as a snap-shot using Scheduled Tasks. Specify the /s option on the command line or use the built in wizard to create a Scheduled Task for the SAP Replicator.

[ISG-304] Provide more detailed information after SAP Replicator is executed.

Keyword(s): Framework, Administration, SAP, Replicator

The SAP Replicator reports more information about the result of the replication of SAP so that it is easier to determine if the differential replication inserted, updated or delete records.

[ISG-309] Need ability to Copy/Move Users in User Mgmt for Sites.

Keyword(s): Administration, User Management for Sites

Two new options are available for a User in User Management for Sites snap-in: Move and Copy. These allow a User in one site to be moved or copied to another site. Their associated credentials are moved.

[ISG-312] Printer Port Pass command packet limited to 32 bytes - should be larger or more flexible

Keyword(s): Framework, Administration, RF Terminal

The number of bytes sent in a packet for the Printer Port Pass command is now configuration in properties for the RF Terminal/Terminal snap-in. The valid range is 32 to 1024 bytes. The default value is 32 (historical).

[MIS-16] Create Web Administrator.

Keyword(s): Framework, Administration

MIS can now be administered remotely using a web browser. It replaces the Remote Administration from previous versions. The URL is <http://localhost/MIS.Administration> (or simply click the link in the start menu). Please note that the shortcut for MMC Administration has "(MMC)" in the name. Web based administration is named "MIS Administration" because it is the preferred way of administering MIS from now on. The MMC-based Administration will be removed in the future, so all new development should be done in web-based MIS Administration. The development documentation will follow.

Please note the following components that are not implemented in web-based MIS Administration:

- Database Management and Connection
- SAP Outbound Gateway (except New)
- SAP Outbound Agent
- SAP Inbound Gateway (except New)

[MIS-762] Port ptisgRFC library from COM to .NET

Keyword(s): Framework, SAP, RFC

The COM-based SAP RFC library wrapper has been ported to a .NET-based version. The API is very similar.

[MIS-1026] ptisgRFC does not log any errors when an logon error occurs.

Keyword(s): Framework, SAP, RFC

The COM-based RFC library ptisgRFC now logs errors to the application event log when logon errors occur.

[MIS-1052] Buttons Lack Properties for screen .TabDestination(FieldName).Field\_Name

Keyword(s): Framework, RF Terminal

The object model has been extended so that a consistent method for getting the tab destination is available on all control types. Please use the following code snippet to get the name of the tab destination of the current field.

```
Transaction.CurrentScreen.Fields.TabDestinationAsField(FieldName).Name
```

[MIS-1138] Improve prerequisite checking and reporting

Keyword(s): Installation

A new Pre-requisite Check Report application is run near the beginning of installation to check for mandatory and optional prerequisites for the MIS software. It only check for the prerequisites that are appropriate for the chosen installation package. It reports the results in a list. Mandatory prerequisites that are not met are indicated with a red stop sign. Users who install MIS must “check” each of the missing prerequisites before continuing the installation to acknowledge that they are aware of this missing mandatory prerequisite and that they take it on their own shoulders to deal with any and all errors, malfunctions and data loses resulting from it.

[MIS-1147] Check that registry setting needed for Active GUI is setup during installation.

Keyword(s): Installation

One of the checks added to the Pre-requisite Check Report includes checking that the registry setting for Active GUI is correct.

[MIS-1165] ptisgRFC.Connection should parse the connection string.

Keyword(s): Framework, SAP, RFC

The COM-based and .NET-base SAP RFC libraries now parse the contents of the ConnectionString property when it is assigned to. The known individual properties are updated with the values contained in the ConnectionString.

[MIS-1167] Optimize SAP Login Transaction for both 8x40 and 16x20 SAPConsole formats

Keyword(s): Framework, SAP, RF Terminal

The LoginSAPUser transaction has been improve to better handle the 8x40 and 16x20 screen ratios.

[MIS-1168] Create a "GUI-only" Logon/Mobile Data Entry transaction

Keyword(s): Framework, SAP, Console

A new transaction set (ConsoleGuiOnly) and transaction (MobileDataEntryGuiOnly) are available to use in place of the previous transaction set (Console) and transactions (LoginSAPUser and MobileDataEntry). The key difference is that the new version use only SAP GUI protocol. This has the following benefits: does not require SAP authorizations different than a SAP GUI user, does not require open an extra TCP port, handles logon exception exactly as SAP GUI would (i.e. multiple logon dialog), and does not require an extra RFC connection (i.e. extra SAP resources). These new

components are provided as an option but not the default so as to ensure backward compatibility with previous installations.

[MIS-1171] Windows Installer log file integration

Keyword(s): Installation

All important log files written by msixexec, install shield, .NET framework and our Pre-requisite Check Report are all saved in the MIS\Log directory.

[MIS-1187] Ensure MIS 3.4 works completely with SQL Server 2005 [Express].

Keyword(s): Framework, Administration, Installation

MIS 3.4 is now fully compatible with SQL Server 2005 and SQL Server 2005 Express Edition.

Please note the following REQUIRED configuration steps that MUST be taken when using one of these versions of SQL Server:

1. Using SQL Server Surface Area Configuration for Services and Connections, Database Engine/Remote Connections: ensure that Local and remote connections is selected and “Using TCP/IP only” sub-option is select. If this is configuration is not made,
  - a. The host will not be able to be listed in the drop down list.
  - b. It will not be available remotely.
  - c. It will not likely work when used in combination with web-based MIS Administration.
2. Using SQL server Surface Area Configuration for Features, Database Engine/xp\_cmdshell: ensure “Enable xp\_cmdshell” is checked. This option can be disabled AFTER the MIS database has been installed. If this is configuration is not made, you will be unable to install the MIS database.

[MIS-1208] Improve performance of License library.

Keyword(s): Framework, License

The PTISG.License library now performs faster as licenses are decoded only once. Any following calls to decode an already decoded license uses the previous decoded value.

[MIS-1212] Make it more difficult to mistakenly hit the Remove option in Screens on TransactionDesigner

Keyword(s): Design-time, Transaction Designer

The Remove option on the Screen node for Transaction Designer is separated from the Remove option to make it more difficult to mistakenly hit the Remove option mistakenly.

[MIS-1218] Remove merge replication setup from basic installation - separate install

Keyword(s): Framework, Installation, SQL Merge Replication

The SQL Merge Replication installation and features are no longer available with the MIS installation package. These features will be delivered as a separate installation package. This removes the difficult prerequisites needed to ensure that this feature installed correctly.

[MIS-1222] Add support for upper + lower case passwords into RFC libraries.

Keyword(s): Framework, SAP, RFC

The two COM-based and .NET-based RFC libraries include a new property AllowLowerCasePassword to tell the library not to upper case the password values. In SAP Web AS 700 onward, mixed case password values are allowed. The global option can be set in the SAP snap-in. Note: allowing lower case passwords for older SAP system may result in failed logons, therefore, only enable it when necessary.

[MIS-1229] Workabout Pro Speech serial number format not recognized.

Keyword(s): Framework, Speech

The Speech Handler's Vocollect Listener now handles the (interim) Workabout Pro Speech serial number format (i.e., nnnnnnnn.nnnnnnnn).

[MIS-1233] Create API for Workflows.

Keyword(s): Framework, Speech

A set of framework libraries are available for Workflow functionality. Documentation to follow.

[MIS-1240] Improve hierarchical configuration object model.

Keyword(s): Framework, Administration

A set of framework libraries are available for saving and retrieving configuration information into files. Documentation to follow.

[MIS-1243] Provide mechanism to move PTISG.SAP.RFC.Table data to/from a Dataset or Datatable

Keyword(s): Framework, SAP, RFC

The .NET-based SAP RFC library does not implement a Recordset. However, it can copy a PTISG.SAP.RFC.Table object to a System.Data.DataTable object.

[MIS-1261] Improve the Install Shield Process for MIS 3.4

Keyword(s): Installation

A number of improvements have been made to the installation:

1. Moved the pre-requisite checking to an external program that only checks for the appropriate pre-requisites and differentiates between optional and mandatory prerequisites.
2. Added two options after choosing the setup type that allows the installer to select support for SAP IDoc and for IIS features.

[MIS-1262] Improve the Prerequisite Checker for MIS 3.4

Keyword(s): Installation

A number of improvements have been made to the installation. The pre-requisite checking to an external program that only checks for the appropriate pre-requisites and differentiates between optional and mandatory prerequisites.

[MIS-1319] Create method to return a SID string for an account name.

Keyword(s): Framework, Security

The PTISG library class PTISG.Security.SID class has been extended to include the LookupAccountName method to get a hex-string for the given account name.

[MIS-1081] Create Idempotent API for once-and-only-once semantics

Keyword(s): Framework, Administration, Speech, Mobile

There is a new library that supports Idempotent (once-and-only-once) semantics. It is available to use directly from stored procedure agents and any custom agent that inherits from PTISG.Speech.Agents.Data.AgentBase.

[MIS-1154] Create Process Analyzer Service

Keyword(s): Framework

The the new service executable file, PTISG.Management.Service.Handler.Contoller.exe, is available to hosts handlers.

Creating a new instance of a service is as easy as inheriting from one of the base classes in the PTISG.Management.Service.Handler namespace (in the PTISG.Management.Service assembly). To install and register the new service, use the following command line:

```
PTISG.Configuration.Install.Installer.exe /ia
PTISG.Management.Service.Handler.Controller.exe
/name="<NameOfService>" /description="<Description of service>"
/handlers="<ImplmentationOfService.dll>[,<AnotherImplementationOfService.dll>...]"
```

[MIS-1155] Create Process Analyzer API - base library

Keyword(s): Framework, Administration, Services

There is a new framework for hosting services and handlers.

There is a new framework for hosting handlers. The namespace PTISG.Management.Service.Handler can be used for creating “handlers” that are hosted in a service. It includes a number of useful base classes that are ready for use. They include a timer event handler (TimerHandlerBase), directory change event handler (FileWatcherHandlerBase), and a data queue event handler (DataQueueHandlerBase).

[MIS-1156] Instrument Speech Data agents to collect data for Process Analyzing using Message.Queue.Data transport

Keyword(s): Framework, Administration, Speech

The PTISG.Speech.Agents.Data.AgentBase class contains the properties to take process analyzing information directly from the parameters of an Agent and send them to a data queue (PTISG.Messaging.Data.Queue). They are available to be configured directly in MIS Administration from the properties of an Agent.

[MIS-1157] Add PA publishing to Speech handler based on Agent configurations

Keyword(s): Framework, Administration, Speech

The PTISG.Speech.Agents.Data.AgentBase class contains the properties to take process analyzing information directly from the parameters of an Agent and send them to a data queue (PTISG.Messaging.Data.Queue). They are available to be configured directly in MIS Administration from the properties of an Agent.

[MIS-1170] File watcher service

Keyword(s): Framework, Administration, File Watcher

A new service is available for watching new files in a directory. More documentation will follow.

To install the service, use the following command line:

```
PTISG.Configuration.Install.Installer.exe /ia
PTISG.Management.Service.Handler.Controller.exe
/name="MIS.FileWatcher" /description="MIS File Watcher Service"
/handlers="PTISG.Management.Service.Handler.FileWatcher.dll"
```

To uninstall the service, use the following command line:

```
PTISG.Configuration.Install.Installer.exe /ua
PTISG.Management.Service.Handler.Controller.exe
/name="MIS.FileWatcher" /description="MIS File Watcher Service"
/handlers="PTISG.Management.Service.Handler.FileWatcher.dll"
```

[MIS-1175] Create a reusable class to perform command line parsing.

Keyword(s): Framework

The PTISG.CommandLine.Parse class (in the PTISG assembly) is available to help parse command line input.

[MIS-1176] create CORE 3 version of RestartTekRFService.exe

Keyword(s): Administration, Services

The PTISG.Management.Service.ServiceController.exe program is available to start, stop and restart any service either locally or on a remote machine (assuming have the correct authority). Using the /? option displays the available options:

```
PTISG.Management.Service.ServiceController.exe
/m:<string>    The name of the computer to affect.
/s[+|-]       Start the service.
/t[+|-]       Stop the service.
/r[+|-]       Restart the service.
/w:<int>      Maximum wait time (seconds). Default is 600.
/?[+|-]       Display usage.
<ServiceName> The name of the service to affect.
```

[MIS-1193] Create Workflow (Rules and Agents) infrastructure

Keyword(s): Framework

The PTISG.Workflow framework allows developers to create more complex but reusable solutions. Using the new hierarchical configuration, a tree of agents can be invoked when the configured rules are met. More documentation will follow.

[MIS-1159] Create PTISG.IIS.Portal framework

Keyword(s): Framework, Web

The MIS Portal framework provides a container for hosting custom web-based user interface applications that are not administrative in nature. As an example, a custom application to monitor the progress of picking in the warehouse could use the MIS Portal to host the web interface for shop floor managers. It is available to MIS installations (excluding TekConsole SC) that selected the Web option during installation. The URL is <http://localhost/MIS.Portal>. By default it is empty. More documentation will follow.

[TSP-119] Configurable and reusable agents for ANSI Telnet communications

Keyword(s): Framework, Speech, Agents

New agents are available for connecting to ANSI Telnet applications. They are available in the PTISG.Speech.Agents.Telnet.ANSI assembly.

[TSP-127] Make InputField and OutputField overridable

Keyword(s): Framework, Speech, Agents

The InputFields and OutputFields are now Overridable for classes that inherit from AgentProperties.

[TSP-129] Inherit the properties of the AS400 agents from PTISG.Speech.Agents.Data.AgentProperties

Keyword(s): Framework, Speech, Agents

New agents are available for connecting to ANSI Telnet applications. They are available in the PTISG.Speech.Agents.Telnet.ANSI assembly.

[TSP-142] Add regular expression processing functionality to input and output parameters

Keyword(s): Framework, Speech, Agents

The AgentInputField and AgentOutputField classes have the RegularExpressions property to allow for the ability to process regular expressions on fields.

[TSP-144] Update Speech SDK to reflect new functionality in release 3.4

Keyword(s): Framework, Speech, SDK

The Speech SDK has been updated to reflect changes in the MIS 3.4 release.

[TSP-146] Cater for device serial numbers containing hyphens when detecting VoiceDirect messages

Keyword(s): Framework, Speech, Handler

The Vocollect reader settings now recognize device serial number containing embedded dashes (-). This handles the interim version of Workabout Pro Speech behaviour.

[TSP-147] Recognize VoiceDirect syntax for LUT/ODR calls from the device

Keyword(s): Framework, Speech, Handler, VoiceDirect

The Vocollect reader settings now recognize the VoiceDirect syntax for calling LUT and ODR services.

## **Issues Resolved in this Release**

[ISG-225] Transaction Screen names can cause crash.

Keyword(s): Design-time, Transaction Designer

Input validation has been added to ensure an invalid screen name cannot be added or renamed.

[ISG-264] Replicator fails if local table is renamed.

Keyword(s): Framework, SAP, Replicator

Replication now correctly reports a problem with existing primary key definitions if a table is renamed.

[ISG-340] IDoc Gateway/Agent Services must be dependent on MSMQ Service

Keyword(s): Framework, Administration, Services

Three services (MIS.InboundGateway, MIS.OutboundAgent, and MIS.OutboundGateway) have been marked to be dependent on the MSMQ Service. This ensures that they start correctly. Previously, the service may not start correctly after a reboot of the server.

[ISG-342] SAP Monitor administration is incorrectly writing the value for "Documents in Status 51"

Keyword(s): Administration, SAP, Monitor

The SAP Monitor snap-in correctly sets the value for "Documents in Staus 51". Previously, the value was saved in with an incorrect registry value name and the SAP Monitor executable then only used the default value for this setting.

[ISG-344] ClearDataFields removes labels from buttons.

Keyword(s): Framework, RF Terminal

The API `TeklogixInterpreter.InterpreterProps.ClearDataFields` only removes text from writable Entry fields and clears the flag on Checkbox fields.

[MIS-772] SAP Replicators MUST allow non-global SAP connection settings

Keyword(s): Framework, Administration, SAP, Replicator

The SAP Replicator correctly reads and uses the custom SAP Connection settings.

[MIS-786] If Data directory is set to nonexistent directory New RF Terminal fails.

Keyword(s): Administration, RF Terminal

The New RF Terminal wizard no longer crashes but the list of available Transaction Sets is empty.

[MIS-923] Function Key Handlers dialog exception when adding handler and pressing cancel.

Keyword(s): Design-time, Transaction Designer

The function key handler dialog in Transaction Designer handle the case when cancelling changes.

[MIS-997] Uninstall with "Delete configuration..." option also deletes all subdirectories.

Keyword(s): Installation

The uninstall procedure no longer removes a non-empty data directory. However, if the data directory is empty, the directory will be deleted.

[MIS-1062] `ptisgRFC.Table.Filter` does not filter.

Keyword(s): Framework, SAP, RFC

The ptisgRFC library now correctly implements the Filter property and behaves like the ADODB.Recordset.

[MIS-1191] Library class PTISG.Security.Cryptography.Crypto has memory leak.

Keyword(s): Framework, Cryptography

There is no longer a memory leak when using the PTISG.Security.Cryptography.Crypto library class.

[MIS-1209] Replicator configuration does not have enough room for long key or column definition.

Keyword(s): Framework, SAP, Replicator

The configuration for the Replicator has been changed to allow for longer key and column definitions.

[MIS-1210] By default, if Description (DisplayText) is empty for RF Terminal - set to ID value.

Keyword(s): Administration, RF Terminal

By default, the RF Terminal's description field is set to the save value as the terminals ID value. This is more consistent with version 2.x behaviour.

[MIS-1214] ProcessController fails to shutdown if exception thrown.

Keyword(s): Framework, Services

The Process Controller executable (responsible for spawning TerminalHandler.exe, etc.) handles exception that may be thrown during shutdown. This ensures that the shutdown will be successful in all cases.

[MIS-1215] Merge Replication conditioning is incomplete if SQL is remote.

Keyword(s): Installation, Merge Replication

The MS SQL Server Merge Replication conditioning correctly handles the remote SQL Server case.

[MIS-1217] Active Dialog Field Properties - List Boxes Field Types do not show in the field combo list

Keyword(s): Design-time, Transaction Designer, SAP, Dialog

You can drag-drop a SAP Dialog field to a List field type.

[MIS-1224] Known incompatibilities between MIS 3.3 and MIS 3.4.

1. See issue MIS-1249
2. See issue MIS-1218
3. See issue MIS-1310
4. PTISG.FileSystemInfoComparer has been moved to PTISG.Collections.FileInfoComparer.

[MIS-1230] SAP ECC 6.0 (Web AS 7.00) missing RFC\_CALL\_TRANSACTION - Active Dialog fails

Keyword(s): Framework, SAP, Dialog

The Dialog libraries (TeklogixActiveDialog and ptisgDialog) will use the ABAP4\_CALL\_TRANSACTION function instead of the RFC\_CALL\_TRANSACTION function when it determines the target SAP server is version Web AS 700 or greater.

[MIS-1231] SAP Replicator does not handle Int1 (Byte) and Hex string (Byte array) data

Keyword(s): Framework, SAP, Replicator

The Replicator correctly handles columns defined with INT1 and HEX.

[MIS-1232] Transaction Designer - Unable to load TRA if it contains control character.

Keyword(s): Design-time, Transaction Designer

Transaction Designer better handles the case of loading a TRA (2.x format) transaction file if that file contains control characters. Previously the file could not be loaded because the control characters were not allowed in XML documents.

[MIS-1245] Pre-requisite Check Report cannot check .net framework installed.

Keyword(s): Installation, Pre-requisite Check Report

Just a note that the Pre-requisite Check Report cannot check for the existence of the .NET framework since it is built using .NET framework libraries.

[MIS-1247] Check required for ASP.NET

Keyword(s): Installation, Pre-requisite Check Report

The Pre-requisite Check Report will check for the required components for ASP.NET if the web option is chosen during installation.

[MIS-1249] The "old" SAP Replicator Administration doesn't build anymore.

Keyword(s): Framework, Administration, SAP, Replicator

The "old" version of the SAP Replicator Administration (PTISG.SAP.Replicator.dll) is no longer shipped with MIS. You must use the "new" version of the SAP Replicator (PTISG.SAP.MSSQL.Replicator.Console.exe) and its associated administration (PTISG.SAP.MSSQL.Replicator.dll).

[MIS-1252] Stop / Start of Web service should not be available in Web admin.

Keyword(s): Administration, Web Server

The Microsoft World Wide Web service cannot be started or stopped from the web-based MIS Administration as this would cause web-based MIS Administration to stop working. It must be started and stopped from the MMC-based MIS Administration or from the Services MMC console (services.msc).

[MIS-1265] Upgrade from MIS 3.3 to MIS 3.4 does not change the DB password.

Keyword(s): Installation, Database

It must be noted that installing MIS will change the default password of the Teklogix user in the installed database. Since it is not appropriate to publish the password, please consult the Knowledge base for the actual password.

[MIS-1274] When creating terminals, initial sort order is random

Keyword(s): Administration, RF Terminal

The sort order of web-based snap-in is saved and used when the list is refreshed.

[MIS-1281] SAP ECC 6.0 (aka Web AS 700) requires password with maximum length of 40 characters.

Keyword(s): Framework, Administration, SAP, RFC

As of SAP ECC 6.0 (Web AS 700), it is possible to have password with length to a maximum of 40 characters. The SAP snap-in and libraries support this new length.

[MIS-1286] Uninstall of MIS breaks SQL

Keyword(s): Installation, MS SQL Server

The MIS uninstall does not uninstall all components that it installs. This is due to a problem with the uninstall of a Microsoft product “SQL Server 2005 Backward Compatibility” (SQLServer2005\_BC). See Microsoft knowledge base article “[Error message when you open SQL Server Enterprise Manager after you uninstall the SQL Server 2005 Backward Compatibility Components: "Snap-in failed to initialize"”](#) for more information.

[MIS-1293] The Object Type: IDocAgent is incorrectly marked as IsTraceable.

Keyword(s): Framework, Administration

The Object Type: IDocAgent is no longer marked as traceable and does not show in the Tracing snap-in.

[MIS-1301] Labels display incorrect length in Run-Time.

Keyword(s): Framework, RF Terminal

The Text field on an RF Terminal displays only the data of a field to the defined length of the field. Previously, due to a change to support double-wide characters, Text fields could display text longer than the defined size.

[MIS-1303] System 640 IDoc metadata needs to be installed

Keyword(s): Framework, SAP, IDoc

The SAP version Web AS 640 IDoc metadata is now available in MIS.

[MIS-1304] Outbound Gateway Fails to Connect to Teklogix DB

Keyword(s): Framework, SAP, Outbound Gateway

The Outbound Gateway process now is able to connect to local or remote database servers. Previously, the Outbound Gateway process could only connect to local database servers.

[MIS-1308] Null value exception when ConvertTo() is called on OleDbReturnValueConverter.

Keyword(s): Administration, Speech, Agent

Selecting the Properties when multiple instances of OleDb and/or Oracle agents is now handled correctly. Previously an exception is thrown when trying to multi-select view properties for these agents.

[MIS-1309] PTISG.Management.Install.WebServices.Installer doesn't give proper rights to the "Users" group.

Keyword(s): Installation, Web Services

The installation of Web Services framework now correctly sets the rights for the Users group.

[MIS-1310] ActiveGUI ActiveX control support problem on 640 Systems

Keyword(s): Framework, SAP, GUI

The SAP Web AS 640 logon causes an ABAP dump if the TeklogixSapAutoGui2.Event.SapGuiActiveX is set to True. No further support for this property will be given. Effectively, this means there is no way to run a transaction like MIGO using this wrapper library.

[MIS-1311] DBQueries("ItEm") - "ItEm" should NOT be case sensitive

Keyword(s): Framework, RF Terminal, Database Queries

The dictionary that stores database queries is now case-insensitive.

[MIS-1314] Replicate in sections fails on data dependent files

Keyword(s): Framework, SAP, Replicator

The SAP Replicator handles the possibility of duplicate records when replicating SAP data using the "Replicate in Batches" option.

[MIS-1316] World Wide Web Service (W3SVC) does not uninstall itself correctly.

Keyword(s): Installation, Services

The World Wide Web Service (W3SVC) correctly uninstalls its entry in the configuration file that lists the services on the Services snap-in in MIS Administration.

[MIS-1331] Check Box raises "Trapped Error" on Refresh when # Rows is decreased

Keyword(s): Framework, RF Terminal

The runtime for handling CheckBox fields in a Table now handle the case where the last row is removed from the Recordset.

[MIS-1334] PTISG.Management.TaskScheduler is missing Trigger information.

Keyword(s): Administration, Scheduled Tasks

The Scheduled Tasks implementation has been completed to include information about Triggers.

[MIS-1340] MobileDataEntry may encounter an empty Recordset.

Keyword(s): Framework, SAP, Console

The Mobile Data Entry transaction correctly handles empty screens (that is, screens with no controls).

[TSP-109] Property OleDbStoredProcedureAgent.Parameters has no Description.

Keyword(s): Framework, Speech, Agents

The OleDbStoredProcedureAgent.Parameters and OracleStoredProcedureAgent.Parameters now have a Description property.

[TSP-123] Speech Agent Base fails loading input fields

Keyword(s): Framework, Speech, Agents

The AgentBase now correctly handles multiple lines of input sent by the device.

## **Version 3.3 SP3**

### **Issues Resolved in this Release**

[MIS-916] Trace Write message may get truncated.

Keyword(s): Framework, Trace

Trace message no longer get truncated due to file locking exceptions or incorrect file locking properties.

[MIS-1132] Unicode, SAP and TekConsole SC

Keyword(s): Framework, SAP, GUI, Console

For SAP systems that support multiple languages that require different codepages, there is now the ability to specify a language at logon time that affects which codepage is selected to translate the characters used in the SAP GUI interface. If the language is NOT specified to the library, the global codepage setting shall be used. In this version, it is now possible to change the codepage translation, even if Connected, via the Language property.

[MIS-1137] New RFC wrapper library leaks memory.

Keyword(s): Framework, SAP, RFC

The new RFC wrapper library (ptisgRFC.dll) no longer leaks memory. Under some conditions, this leak could cause the TerminalHandler.exe process to crash with memory access error exceptions.

[MIS-1140] Diagnostics Error Logging - Missing trace file entries if system application event log is full.

Keyword(s): Framework, Trace

The trace file is now written even when the application log is full. Previously, if the application log was full, trace messages were not written because the error was not handled correctly.

[MIS-1142] Unable to list Replicators for snap-in if SAP connection invalid.

Keyword(s): Administration, SAP, Replicator

The list of Replicator items is now shown, even if there is no valid SAP connection. Previously, the list of Replicator items would be empty if the SAP connection was invalid.

[MIS-1143] Handle issue that TekTerm displays Chinese characters using double-width.

Keyword(s): Framework, RF Terminal, Unicode

The Open TekTerm application displays Chinese (and other Far Eastern) characters using double-width. That is, it takes two positions on the screen to display one of these characters. The runtime framework has been improved to handle this situation so that such features as right justification, centre justification, buttons, etc. display correctly with for these characters.

[MIS-1150] Provide more detailed information after Replicator is executed.

Keyword(s): Administration, Framework, SAP, Replicator

The Replicator snap-in and console program now report more information when running a differential replication type. It reports the number of records added, updated and deleted. Previously, when the differential replication ran, it reported only the number of changed (added, updated or deleted) records as one number.

[MIS-1151] Allow Replicator "Snap shot" to be scheduled.

Keyword(s): Administration, Framework, SAP, Replicator

A Replicator instance can now be scheduled as a snap shot replication type as well as the previous differential replication type. The wizard that guides a user to create a schedule for a Replicator now prompts for the replication type at the beginning of the wizard. As well, the PTISG.SAP.MSSQL.Replicator.Console.exe has a new command line option: /s. Specifying this new option runs the “snap shot” replication type.

[MIS-1153] Import fails with “Timeout expired” error when importing with dependencies.

Keyword(s): Administration, Import

The Import/Export snap-in correctly imports exported configuration. Previously, if more than one component was imported, the snap-in reported a “Timeout expired” error message and the import failed.

[MIS-1165] The Connection.ConnectionString method should parse the connection string.

Keyword(s): Framework, SAP, RFC

The new RFC wrapper library now updates the component properties (User, Password, etc.) from the string assigned to the Connection.ConnectionString property. Previously, assigning a value to the ConnectionString property did not update the component properties.

[MIS-1166] Port TeklogixLanguages to .NET

Keyword(s): Framework, Languages

The Languages collection maintained in the COM library TeklogixLibrary.dll is now available in the .NET library PTISG.MIS.dll using the classes PTISG.MIS.Languages and PTISG.MIS.Language.

[MIS-1172] Outbound Gateway does not spawn more than one gateway process

Keyword(s): Framework, SAP, Outbound Gateway

The Outbound Gateway process now correctly spawns the configured number of processes. Previously, at most one instance of an Outbound Gateway process was spawned.

[MIS-1173] Keep alive timer should be set to 20 seconds

Keyword(s): Administration, RF Terminal, Connection

The default terminal direct keep alive timeout has been changed to 20 seconds from its previous default of 0 (i.e. no keep alive timeout). NOTE: The service pack installation will change the current value set to 20 seconds. Therefore, if you really want to have value different from the default value, you must change the value after the service pack installation.

[MIS-1181] Printer Port Pass command packet limited to 32 bytes - should be larger or more flexible

Keyword(s): Administration, Framework, RF Terminal

The size of the packet used when sending data for the Terminal.Tess.PrinterPortPass method is now configurable using the RF Terminal/Terminals snap-in. The snap-in property is called "Printer Port Pass Packet Size". For this property, a valid value range is from 32 to 1024 (bytes), with the default being 32. Under some condition, is beneficial to change the default value from 32 bytes to something larger.

[MIS-1186] SAP Credentials don't persist the Note property

Keyword(s): Administration, SAP, Credentials

The SAP Credentials snap-in now correctly saves the Note property.

[TSP-117] Logged exceptions need client ID in their text

Keyword(s): Framework, Speech, Handler

The Speech Handler now logs the client ID as part of caught exceptions.

[TSP-123] Speech Agent Base fails loading input fields if multiple rows are sent.

Keyword(s): Framework, Speech, Agent

The PTISG.Speech.Agents.Data.AgentBase correctly handles case of when multiple rows are sent in the request. Previously, an exception was thrown when multiple rows were sent in the request.

## **Version 3.3 SP2**

### **Issues Resolved in this Release**

[MIS-1101] SAP Replicator does not store all Unicode data.

Keyword(s): Administration, SAP, Replicator

The SAP Replicator correctly stores all Unicode data. Previously, not all Unicode data was saved because the column definition was incorrect.

[MIS-1103] Hidden Rows stay hidden forever.

Keywords(s): Framework, Transaction

Rows that are hidden, (for example because the last rows are encountered), are correctly shown on a scroll action.

[MIS-1105] SQL statement not case sensitive in LoginSAPUser transaction.

Keyword(s): Framework, SAP, Login

The SAP-designed login transaction correctly handles case-sensitive lookups of users in local database.

[MIS-1106] Highlighted field displayed as Reverse after setting NoDisplay in TekGUI

Keywords(s): Framework, Transaction

Rows that are hidden, (for example because the last rows are encountered), are correctly shown on a scroll action.

[MIS-1107] TekGUI - DisplayPopUpText sending too much information.

Keyword(s): Framework, TekGUI

The InterpreterProps.DisplayPopupText method is now optimized for TekGUI.

[MIS-1108] Provide ability for PTISG.SAP.GUI.AutoGUI to use spawned process.

Keyword(s): Framework, SAP, GUI, .NET

The PTISG.SAP.GUI.AutoGUI library now supports using a spawned process to host the SAP GUI session. Use the `New Event (True)` constructor overload to enable this behaviour. **THIS IS THE RECOMMENDED METHOD FOR USING THIS LIBRARY.**

[MIS-1109] COM GUI library fails to read all 255 characters in control value

Keyword(s): Framework, SAP, GUI

The GUI library allows for values to a maximum length of 255 characters. Previously, the wrapper library `ptisgGUILIB.dll` only read values to a maximum of 254 characters.

[MIS-1111] 'ABAP Application Error' when SAP Replicator references a SAP table that no longer exists

Keyword(s): Administration, SAP, Replicator

The SAP Replicator snap-in handles the case of when an SAP table is not available in the default SAP system.

[MIS-1112] Restart [All] Terminal(s) requires confirmations before running.

Keyword(s): Administration, RF Terminal

When selecting the Restart All and Restart options, a dialog is shown that prompts the user to confirm the restart.

[MIS-1113] RFC tool runtime exception if table used but no table fields mapped

Keyword(s): Framework, SAP, RFC

The RFC runtime handles the case of when a table is used but no table fields are mapped (that is, TableRecordset is Nothing).

[MIS-1114] TekRF Installation is Incomplete - Import/Export.

Keyword(s): Administration, Import/Export

It is now possible to add the Import/Export snap-in to a TekRF installation. This is necessary for importing SAP Replicator export files.

[MIS-1116] Take advantage of improvements in Open TekTerm.

Keyword(s): Framework, TekTerm

The framework has been updated to take advantage of "buffered" entry fields. It is now possible using version 2.0 of Open TekTerm to have an entry field that has a buffer size longer than the visible width. This feature is most obvious when using the MobileDataEntry transaction in the Console transaction set for TekConsole SC.

[MIS-1121] Incorrect file loading on system set to use Chinese as default language.

Keyword(s): Framework, Designer

If the desktop or default locale is set to Chinese, the Transaction Designer and the InterpreterProps.Include method now correctly load external include files encoded using UTF-8. Previously, the UTF-8 decoding was not applied when loading external files and caused the script runtime to fail.

[MIS-1123] ptisgRFC Connection.GetTable() may stop working when initial connection is not established first.

Keyword(s): Framework, SAP, RFC

The GetTable call now handles the case when it is called before a valid connection is made. Previously, subsequent calls to GetTable for the same table would fail even if a valid connection could be made.

[MIS-1124] Some RFC transactions lock SAP data even after exiting transaction.

Keyword(s): Framework, SAP, RFC

When an RFC exception (as opposed to an BAPI error) occurs calling a “mapped” RFC function, a Rollback call is made to ensure any changes are cancelled and all locks are released.

[MIS-1126] Transaction Designer - Truncates some Chinese characters in some fonts

Keyword(s): Transaction Designer

The kerning of characters in the Transaction Designer better handles Chinese characters in the most popular fonts. Previously, some characters were clipped on the side.

[MIS-1131] Add new languages supported by SAP.

Keyword(s): Framework, SAP, Languages

The framework library TeklogixLanguage now has support for more languages supported by SAP.

[MIS-1132] Unicode, SAP GUI and TekConsole SC

Keyword(s): Framework, SAP, GUI, Console

For SAP systems that support multiple languages that require different codepages, there is now the ability to specify a language at logon time that affects which codepage is selected to translate the characters used in the SAP GUI interface. If the language is NOT specified to the library, the global codepage setting shall be used.

[TSP-115] Vocollect Writer encodes text as ASCII; not all Western European characters are supported

Keyword(s): Framework, Speech

The Speech Handler service and supporting libraries correctly support all Western European characters. Previously, characters not in ASCII character set were translated to the “?” character.

## **Version 3.3 SP1**

### **Issues Resolved in this Release**

[MOB-363] PTISG.Configuration.Configuration EnableFileChangeEvent switches to True on Save

Keyword(s): Framework, Configuration

The Save method behaves correctly to restore the EnableRaisingEvents property to its original value.

[MIS-990] Add SAP 640 IDoc metadata

Keyword(s): Framework, SAP, IDoc

The SAP IDoc metadata for release Web AS 640 (ECC 5.0) has been added.

[MIS-944] Runtime error trying to display a non-mapped screen

Keyword(s): Framework, SAP, GUI

A transaction using GUI interface technology correctly displays non-mapped screens. Previously a runtime error (TRAPPED ERROR SEE LOG) was generated.

[MIS-968] ToggleButton style not set on a checkbox when display row > 1

Keyword(s): Design-time, Transaction Designer

The Transaction Designer correctly sets the ToggleButton style for check box controls that is contained in a table.

[MIS-975] RadioButton Checked property sometimes wrong in event handlers.

Keyword(s): Framework

At runtime, radio button's Checked property now is set correctly. Previously, the Checked property may not have had the correct value.

[MIS-1008] Console2 - Selected row does not un-highlight on page refresh when underlying sap select button is unselected programmatically

Keyword(s): Framework, SAP, Console

At runtime, a Selected row is set to the correct state.

[MIS-1009] ActiveConsole - A selected radio button can be un-selected.

Keyword(s): Framework, SAP, Console

At runtime, a radio button cannot be un-selected.

[MIS-1021] Right Justify a checkbox/radio button with default text longer than field width crashes designer

Keyword(s): Design-time, Transaction Designer

Check box and radio button controls behave correctly when right-justified.

[MIS-1024] Transaction Screen names can cause crash

Keyword(s): Design-time, Transaction Designer

The allowed characters have been restricted when renaming screens.

[MIS-1026] ptisgRFC does not log any errors when an logon error occurs.

Keyword(s): Framework, SAP, RFC

The ptisgRFC library now logs errors if the logon error is not simply a user name/password problem.

[MIS-1029] NoDisplay Check Box or Radio Button causes object variable not set error

Keyword(s): Framework

Check box and radio button controls behave correctly when NoDisplay property is set.

[MIS-1031] Right-justified Radio Button and Check Boxes go left-justified during DisplayPopupText.

Keyword(s): Framework

Check box and radio button controls behave correctly when displayed in the "background" using the DisplayPopupText method.

[MIS-1043] Cannot update Button DisplayText at runtime

Keyword(s): Framework

The Button control allows the DisplayText to be updated at run-time.

[MIS-1044] AIAG Handling

Keyword(s): TekGUI, AIAG

TekGUI has added support for AIAG including an error beep if an AIAG scanning error occurs.

[MIS-1045] Fields properties not propagated correctly when in a Table

Keyword(s): Framework

BufferSize and other properties are correctly propagated to all the fields in a column of a set of fields in a Table.

[MIS-1046] Fields blanked on update Buffer Size (as part of Highlighting)

Keyword(s): TekGUI, Win32

Fields that are Highlighted no longer blank the field value on the screen.

[MIS-1047] Color Drift on CE Terminal when Highlighting

Keyword(s): TekGUI, WinCE

The colour of Highlighted fields are consistent.

[MIS-1053] DisplayPopupText -- needs popup Window TekGUI functionality.

Keyword(s): Framework, TekGUI

The DisplayPopupText method displays a popup dialog when TekGUI is the client.

[MIS-1055] Unable to import License if existing license is "bad".

Keyword(s): Administration, License

The License snap-in correctly allows importing a valid license even if the existing license is invalid.

[MIS-1057] IDisposable not properly implemented in classes.

Keyword(s): Framework, License

All (.NET) libraries that implement IDisposable interface not correctly implement this interface.

[MIS-1058] PTISG.Data.Factory.GetConnection() needs performance improvement.

Keyword(s): Framework, Data

The GetConnection methods now perform faster.

[MIS-1059] TekGUI List box behavior is not optimum

Keyword(s): Framework, TekGUI

The TekGUI client now displays list-boxes more appropriately.

[MIS-1061] Add instrumentation to libraries that can potentially return large amounts of data.

Keyword(s): Framework, SAP, RFC, Data

The TeklogixSAP, ptisgRFC, and TeklogixDB libraries have been improved to report the runtime performance of key method calls and to log a warning if “large” number of records are returned.

[MIS-1064] MIS 3.3 XML format does not like spaceText fields

Keyword(s): Design-time, Transaction Designer

Text items, for List fields for example, that consist of only blank spaces now load and save correctly. Previously, the blank spaces were truncated to an empty string.

[MIS-1065] TeklogixSapAutoGui and PTISG.SAP.GUI.AutoGUI needs option to display "multiple logon" dialog

Keyword(s): Framework, SAP, GUI, Administration

The Auto GUI libraries (TeklogixSapAutoGui and PTISG.SAP.GUI.AutoGUI) now check for whether the connection should be opened with the “Show Multiple Logon Dialog” option set. By default, and for backward compatibility, this option is not used. The option may be set using the SAP snap-in to set the option.

[MIS-1066] MMC/SiteManager/WorkStation/ResetDeviceID Description in lower window bar is incorrect.

Keyword(s): Administration, Workstation

The description of the Reset Device ID option has been updated appropriately.

[MIS-1068] Improve message logging for  
PTISG.Management.Service.ProcessController.exe

Keyword(s): Framework, ProcessController

The program that launches VB6-based executables now traces and logs more information about the processes that it launches.

[MIS-1073] Serial input from scanners need to be placed into fields marked as serial

Keyword(s): TekGUI Client

The TekGUI client correctly places serial input into the first field marked for Serial input.

[MIS-1074] Designer needs to ensure that there is only one serial field per screen

Keyword(s): Design-time, Transaction Designer, Serial

The Transaction Designer correctly limits to one the number of Entry fields that can have the Serial property set to True.

[MIS-1076] License library sometime reports problem with NetApiBufferFree call.

Keyword(s): Framework, License

The (.NET) License library no longer reports an error when freeing memory.

[MIS-1077] Codemax40 does not install correctly

Keyword(s): Design-time, Transaction Designer, Script

The CodeMax control is now available in all editions of MIS.

[MIS-1079] "New" SAP replicator doesn't work on remote databases

Keyword(s): Framework, Administration, SAP, Replication

The SAP Replicator now correctly only uses the configured connection information when connecting to the database. Previously, the SAP Replicator was connecting using both trusted and the configured connection information causing it to fail if the trusted connection was not valid.

[MIS-1082] Entry field data max out at 1017 bytes

Keyword(s): Framework, TESS

Updates sent to a device in TESS no longer have a fixed 1028 byte maximum. The value is now correctly taken from the Connection properties in the RF Terminal section of the Administration snap-in. Note: There is a 2048 byte maximum for messages sent or received from TEKBSS or TEKNTSRV.

[MIS-1083] Keyboard shortcuts unavailable in Transaction Designer Macro window

Keyword(s): Design-time, Transaction Designer, Macro

The Macro window now supports the Copy, Cut, and Paste action using the associated shortcut keys Ctrl-C, Ctrl-X, and Ctrl-V.

[MIS-1087] Add event sounds to TekGUI

Keyword(s): TekGUI Client

The TekGUI client added support for four sounds: Normal Beep, Error Beep, Scan Accept and Scan Reject. The open field (o) and the bell command (#) commands generate a normal beep, EXCEPT when the bell command immediately proceeds the open field command (#o). Instead of generating two normal beeps, an error beep is produced instead. The two other sound events are generated only by the TekGUI client and cannot be generated by host commands.

[MIS-1091] Allow the MobileDataEntry screen buttons to be hidden if mapped to TekGUI toolbar buttons.

Keyword(s): Design-time, Runtime, SAP, MobileDataEntry, TekGUI

The MobileDataEntry transaction has a new property "Hide TekGUI Buttons". If set to True, the screen buttons will be hidden if that button is mapped to a TekGUI toolbar button and the "Use TekGUI Toolbar" option is also set to True.

[TSP-109] Property OleDbStoredProcedureAgent.Parameters and OracleStoredProcedureAgent.Parameters has no Description.

Keyword(s): Framework, Speech, Data

The description attribute for these properties is now correct.

## Version 3.3

## Known Issues in this Release

[MIS-839] Transaction Set Designer - optimized refresh fails on computers where directory mod date doesn't change.

Keyword(s): Design-time, Transaction Set Designer

On some systems, the modify date is not updated by the OS. This causes a number of problems for Transaction Set Designer to optimize refreshing the list of files. To disable the optimization of file refresh (that is, refresh more often and perform more slowly), add or modify the following registry value:

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Teklogix  
TekRF\TransactionSetEditor.Settings]  
"DisableRefreshOptimization"=dword:ffffff
```

[MIS-906] Use of ConnectionGuilib.dll causes memory exception crash when disconnecting.

Keyword(s): Design-time, SAP, GUI

In MIS 3.3, the SAP release 620 version of the GUI connection library (GUILIB.DLL) is always used in all occasions to solve the problem of crashing when disconnecting from the SAP release 640 version (ConnectionGuilib.dll). However, under some circumstances, the ConnectionGuilib.dll behaves better than GUILIB.DLL during the design process. To switch to using the newer library (with the crash on disconnect problem), set the following registry value:

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Teklogix TekRF\SAP.SAP]  
"UseConnectionGuilib"=dword:ffffff
```

Removing this registry value restores the default behavior to use the GUILIB.DLL.

## Issues Resolved in this Release

[MOB-359] A remote database cannot be dropped.

Keyword(s): Database Manager, Uninstall

When a remote MIS database is installed the database is conditioned for replication. Attempting to uninstall the database will fail since the uninstall script does not handle the remote database connection correctly.

[MOB-349] The full framework Application Console shows the wrong icon in the Applets menu.

Keyword(s): Application Console

Applets installed to the full framework application console have an icon associated with them. This icon is now displayed for the applet in the navigation group bar.

[MOB-344] Application Console fails to install components when the site or workstation name contains embedded spaces.

Keyword(s): Application Console

Site or workstation names containing embedded spaces are fully supported in Application Console.

[MOB-336] Double clicking on the language listbox when configuring SAP credentials does not select another language.

Keyword(s): SAP Credential, SAP Configuration

When selecting the language for a SAP credential, double clicking selects the next language in the list.

[MOB-270] Components with long names do not display correctly in Component Manager's Add-In Wizard.

Keyword(s): Component Manager, Add-In

When adding an add-in in Component Manager, a horizontal scrollbar is displayed.

[MIS-671] SAP connectivity libraries (GUI and RFC) do not handle Korean, etc.

Keyword(s): SAP, GUI, RFC, Framework

The TeklogixSapAutoGui2 and ptisgRFC libraries now support translating SAP codepages to and from Unicode. The following codepages are supported:

8500 – 949: Korean

8400 – 936: Simplified Chinese GBK

8000 – 932: Japanese Shift-JIS

8300 – 950: Traditional Chinese Big5

1500 – 1251(GUI), 28595(RFC): Cyrillic

The ptisgRFC library performs this conversion automatically when it detects that the SAP system uses one of these codepages. The TeklogixSapAutoGui2 library must have a registry setting to enable the conversion to and from these codepages as the underlying SAP library cannot detect the codepage automatically.

[MIS-690] SAPMonitor process fails when used with 610+ R/3 systems

Keyword(s): Runtime, SAP, Monitor

The SAP Monitor process handles table look-ups on SAP systems of release 610 and higher.

[MIS-704] GUILIBSession reports disconnection and exits unexpectedly.

Keyword(s): Framework, SAP, GUI

The librfc32.dll library is updated to version 620 to correctly match the ConnectionGuilib.dll version.

[MIS-758] Remote Admin Clicking on Code Page RF Terminal Property page generates error

Keyword(s): Administration, RF Terminal, Terminals

The Code Page property for Terminals in the RF Terminals snap-in work correctly for remote administration.

[MIS-759] Services snap-ins does not have a default sort.

Keyword(s): Administration, Services

The default sorting for services has been corrected.

[MIS-760] Wrong text in Global Configuration properties.

Keyword(s): Administration, Global Properties

The Global Properties snap-in now uses the text MIS Version instead of TekRF Version.

[MIS-761] Outbound Gateway does not work with a remote database.

Keyword(s): Framework, SAP, Outbound Gateway

The Outbound Gateway works correctly even when connected to a remote database.

[MIS-765] Database installation, management, connection don't work for remote database.

Keyword(s): Administration, Database

Database Management and Database Connection now behave better in the remote database scenario.

[MIS-766] TeklogixQueue fails to read list of Queues if running on system with Terminal Services.

Keyword(s): Administration, Framework, Queue

The library TeklogixQueue now finds the list of local Queues even in a Terminal Services environment.

[MIS-769] RFC tools create a second copy of the wizard-created functions.

Keyword(s): Design Time, SAP, RFC

The RFC design-time add-in ensures that a extra CR/LF is added to the end of script that is added to the Transaction's Scripts text.

[MIS-770] RFC and GUI may need different codepage translation.

Keyword(s): Framework, SAP, RFC, GUI

The RFC (ptisgRFC) and GUI (TeklogixSapAutoGui2) libraries may require different codepage translation. For example, for Russian SAP systems, RFC requires Windows codepage 28595 but GUI requires Windows codepage 1251. The two libraries now handle this difference correctly.

[MIS-771] Cannot un-assign Main Menu in Group settings.

Keyword(s): Administration, Users Maintenance, Groups

It is now possible to remove a "Main Menu" from a Group.

[MIS-773] SAP Replicator does not handle non-English language characters in "Run Snapshot".

Keyword(s): Administration, SAP, Replicator

The SAP Replicator correctly stores non-ASCII characters.

[MIS-774] SAP.Dialog dev tool fails if ADX file is missing English texts for table fields

Keyword(s): Design Time, SAP, Dialog

The SAP Dialog transaction design-time add-in handles ADX files that don't have English texts for a "table" field.

[MIS-776] Error on creation of field if custom field type registered.

Keyword(s): Framework, Transaction Designer

The Transaction designer correctly allows custom field types to be created and used at design-time.

[MIS-777] TekRF Service and Admin read/write from/to Windows directory.

Keyword(s): Administration, Framework

The TekRF Service now reads/writes the TekRFService.ini file from the MIS installation directory. Previously, writing to/from the Windows directory would write to different actual directories depending if Terminal Services was being used.

[MIS-779] Compress line renders incorrectly for some screens in Active Console transaction.

Keyword(s): Runtime, SAP, Console

The MobileDataEntry transaction correctly calculates the compress lines for all control no matter the order.

[MIS-780] Licensing does not work as expected on clustered machines.

Keyword(s): Runtime, Administration, License

Licensing correctly detects the clustering case and uses the name of the cluster instead of the local machine name.

[MIS-781] SAP Replicator is using regional settings when saving data to SQL Server.

Keyword(s): Administration, SAP, Replicator

As a result of solving 773, this issue is also solved. Numeric data types are stored natively in the database. The date and time data types are store using string but with “universal” formats (yyyy-MM-dd and HH:mm:ss).

[MIS-782] GUILIBSession does not handle terminal ID's with embedded spaces.

Keyword(s): Framework, SAP, GUI

The spawned process GUILIBSession.exe correctly handles terminal names that have embedded spaces.

[MIS-783] PTISG.Queue does not handle non-English Administrators group.

Keyword(s): Administration, SAP

This library handles non-English spellings for the Administrators group

[MIS-784] Database Wizard is shy during installation.

Keyword(s): Administration, Installation

The database management wizard can now be selected from the task bar and uses windows default placement so that it is easier to find during installation.

[MIS-788] Library ptisgRFC::RFCError does not translate non-Western codepages correctly.

Keyword(s): Runtime, SAP, RFC

The new RFC library correctly translates error messages for SAP systems using non-Western codepages.

[MIS-791] ptisgRFC GetTable uses incorrect offsets with Unicode SAP systems.

Keyword(s): Runtime, SAP, RFC

The new RFC library correctly calculates the offsets when using RFC\_READ\_TABLE on a Unicode SAP system.

[MIS-793] GUI transaction showing report output doesn't reset record count.

Keyword(s): Runtime, SAP, GUI

GUI runtime correctly resets the record count.

[MIS-795] GUI transaction showing report may have runtime error in "no data" case.

Keyword(s): Runtime, SAP, GUI

GUI runtime no longer reports error in the "no data" case.

[MIS-796] TekTelnet does not allow terminal ID above 255 - should allow to 999.

Keyword(s): Administration, Telnet

The Telnet administration allows terminal IDs up to 999 in a range. Previously, 255 was the top terminal ID value.

[MIS-798] Does not change language - always displays English.

Keyword(s): Runtime, Web

The Web terminal runtime correctly uses the current language when displaying text fields.

[MIS-800] TeklogixIDoc2 library does not support IDoc types with / character.

Keyword(s): Runtime, SAP, IDoc

The TeklogixIDoc2 library correctly supports IDoc types that contain the “/” character.

[MIS-801] TekTelnet server terminates unexpectedly if connection closed by client unexpectedly.

Keyword(s): Runtime, Telnet

The Telnet server handles connection exception better.

[MIS-807] Cannot create an agent if IDoc type has / character in name or segment.

Keyword(s): Runtime, SAP, IDoc, Agent.

The Outbound IDoc Agent Wizard correctly handles IDoc types with names or segments containing the “/” character.

[MIS-808] Cannot import new license if current license expired.

Keyword(s): Administration, License.

The License snap-in allows a new license to be imported even when the existing license is expired.

[MIS-810] TerminalHandler may cause memory exception if terminal is set to non-default codepage.

Keyword(s): Runtime, Terminal Handler.

The Terminal Handler will not terminate due to a memory exception if when using non-default codepage.

[MIS-818] Tracing method has a memory leak.

Keyword(s): Runtime, Trace.

Tracing first checks if configuration file exists before attempting to open the file.

[MIS-820] ptisgRFC and TeklogixSAP do not correctly support tables using customer namespaces.

Keyword(s): Runtime, SAP, RFC.

These libraries support table names containing slash (/) characters.

[MIS-829] SAP.Connector.dll is not installed with TekSpeech.

Keyword(s): Installation, SAP

The SAP .NET Connector library is distributed with the TekSpeech package.

[MIS-839] Transaction Set Designer - optimized refresh fails on computers where directory mod date doesn't change.

Keyword(s): Design-time, Transaction Set Designer

On some systems, the modify date is not updated by the OS. This causes a number of problems for Transaction Set Designer to optimize refreshing the list of files. To disable the optimization of file refresh (that is, refresh more often and perform more slowly), add/modify the following registry value:

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Teklogix  
TekRF\TransactionSetEditor.Settings]  
"DisableRefreshOptimization"=dword:ffffff
```

[MIS-847] – Should be able to set Keep Alive Timeout value to zero.

Keyword(s): Administration, RF Terminal

The RF Terminal snap-in allows the Terminal Direct Connection property call Keep Alive Timeout to be set to zero.

[MIS-859] Main Menu drop-down on multi-selected Groups causes exception.

Keyword(s): Administration, User Maintenance

The User Maintenance snap-in handles the case of using the Main Menu drop-down for multiple-selected groups.

[MIS-860] ptisgRFC does not work properly with 3.1I systems.

Keyword(s): Runtime, SAP, RFC

The ptisgRFC library correctly handles working with SAP release 3.1x systems.

[MIS-861] PTISG.SAP.MSSQL.Replicator.Console fails with "/" (slashes) in field names.

Keyword(s): Runtime, SAP, Replicator

The Replicator console program handles the case of "/" (slashes) in the field names of an SAP table.

[MIS-863] Error: "Unable to get website name" when installing MIS 3.2 SP1.

Keyword(s): Installation, Web

The web site installation components correctly handle the case where there is more than one web site configured (typically in Windows Server 2003). In this case, a dialog appears requiring the user to choose a web site.

[MIS-870] Localization Issue - Group "Users" must exist, not "Utilisateurs", etc.

Keyword(s): Installation

Components handle the case of installing the MIS software on non-English systems where the spelling of "well-known" groups is different from the English systems.

[MIS-871] Cannot turn on Message Queue compression.

Keyword(s): Administration, Queue

The Queue properties save the Compression option correctly.

[MIS-881] Convert from cmax20 to cmax40 in IDoc Agent Editor and List Wizard.

Keyword(s): Administration, Design-time, IDoc, Transaction Designer

The VB Script source code editor now uses version 4.0.0.4 so that it can support Unicode characters and fonts.

[MIS-897] Minor bug in Sub DisplayError – mixed case error IDs not handled correctly.

Keyword(s): Runtime, Interpreter

The DisplayError function correctly ignores the case when looking up error message IDs.

[MIS-899] Improper call to RegCreateKey API in TeklogixSYS.Registry.

Keyword(s): Runtime, System

The low-level API calls to the registry have been corrected.

[MIS-906] Use of ConnectionGuilib.dll causes memory exception crash when disconnecting.

Keyword(s): Runtime, Design-time, SAP, GUI

The SAP release 640 of the client library for GUI communication (ConnectionGuilib.DLL) causes memory exceptions when disconnection. As of MIS 3.3, the SAP release 620 of the client library of GUI communication (GUILIB.DLL) shall be used exclusively.

[MIS-910] ptisgRFC.ConnectionProps.SaveSettings() ignores ObjectID and ObjectType.

Keyword(s): Runtime, SAP, RFC

The ptisgRFC library correctly saves connection information for the given ObjectType and ObjectID.

[MIS-911] Shift Click action can crash Transaction designer.

Keyword(s): Design-time, Transaction Designer

Transaction Designer handles the case of (shift-)clicking near the border of a control if it multi-selected.

[MIS-912] TerminalHandler does not reconnect to TEKBSS/TEKNTSRV.

Keyword(s): Runtime, TerminalHandler

The TerminalHandler process correctly detects the loss of connection and reconnects to TEKBSS or TEKNTSRV.

[MIS-946] Export of Users/Groups/Tokens for tab-separated produces invalid file.

Keyword(s): Administration, User Maintenance

The User Maintenance snap-in exports tab-separated formatted files instead of SQL-native formatted files when the TAB option is chosen. The User Maintenance snap-in exports SQL-native formatted files instead of tab-separated formatted files when the NATIVE option is chosen.

[MIS-985] New Replicator with NULL value in Note column causes exception.

Keyword(s): Administration, Runtime, SAP, Replicator

The Replicator handles the case of NULL values stored in the database for columns like the Note.

[TSP-58] AgentProperties.AgentName is not set (Nothing) at runtime.

Keywords: Framework, Speech, Agents

The AgentBase property called Properties now correctly initializes the AgentName property.

[TSP-61] Unterminated client request calls Agent anyway.

Keyword(s): Framework, Speech, Agents

The Speech Handler will now wait until it receives the configured record termination character(s) before calling the Agent.

[TSP-69] Add new agent wizard has too short Type drop-down list-box.

Keyword(s): Administration, Speech, Agents

Using the New Agent Wizard now has more room to enter the Agent's name and the drop-down for the Agent class has been changed to a list box.

[TSP-72] Speech Handler service doesn't uninstall.

Keyword(s): Installation, Speech, Handler

The Speech Handler service now correctly uninstalls.

[TSP-78] AgentConfiguration.Add() loses case information.

Keyword(s): Framework, Speech, Agents

The (upper and lower) case is correctly saved when using the AgentConfiguration.Add method call.

[TSP-80] Monitor feature in Speech Studio does not always work.

Keyword(s): Administration, Speech, Monitor

The Monitor now finds the path of the log file(s) relative to the path of the Monitor executable instead of from the "current directory."

[TSP-85] Speech Handler service does not automatically start at boot time.

Keyword(s): Runtime, Speech, Handler

The Speech Handler service delays the license check until after the service has started. This ensures that under normal circumstances, the service appears responsive to Windows Service Control Manager. When the license is invalid for Speech, the service may appear to start correctly, only to stop seconds later. Check the Event Log for any messages to determine if licensing may be the cause of this behavior.

[TSP-98] Agent with properties based on AgentExtendedPropertiesBase may not load.

Keyword(s): Framework, Speech, Agents

The implemented Agents inheriting from AgentExtendedPropertiesBase class now load correctly.

## **Improvements in this Release**

[MOB-346] Application Console for Windows must be installed in the MIS install directory.

Keyword(s): Application Console

When installing Application Console for Windows onto a MIS server installation, Application Console installs to the MIS install directory and does not prompt for a directory name.

[MOB-342] Add a workstation synchronization detail report.

Keyword(s): Workstation Management

A new report is available on the context menu of the workstations node as well as individual workstations. The synchronization detail report displays the last connection, last user id, and a list of components and subscriptions. Red items are not installed.

[MOB-341] Add a workstation synchronization summary report.

Keyword(s): Workstation Management

A new report is available on the context menu of the workstations node as well as individual workstations. The synchronization detail report displays the last connection, last user id, and a the installed status of components and subscriptions.

[MOB-339] Application Console for Windows controls require and upgrade.

Keyword(s): Application Console

Application Console uses Office 2003 style GUI elements. This provides the ability to assign applets to a category by having a AppletCategoryName.ico distributed through Component Manager.

[MOB-330] Component Manager should provide information about a workstations connection activity.

Keyword(s): Application Console, Component Manager

The workstation contains new properties to provide the following connection information: last user, last date and time, last web service and web method called. Two new workstation reports have been added for component related information. See MOB-341 and MOB-342.

[MOB-329] Provide a way to reset Application Console's configuration.

Keyword(s): Application Console

A new Tools->Reset menu contains two password-protected menu items. One to reset the host information and the other to reset the workstation configuration. The password is stored in the ApplicationConsole.exe.config file on the workstation.

[MOB-328] Change the timestamp in tracing to be universal.

Keyword(s): Tracing, Application Console

All trace message timestamps are in 24-hour format (yyyy/MM/dd HH:mm:ss.ffff).

[MOB-325] Port the TeklogixLicense2 library to .NET.

Keyword(s): Licensing

Created PTISG.License.dll. Updated licensing to use the new library.

[MOB-313] Move tracing into PTISG.Diagnostics namespace.

Keyword(s): Tracing, Diagnostics

Moved the Trace libraries in the PTISG namespace to PTISG.Diagnostics.

[MOB-298] Publication Manager needs to support a SQL Server clustered environment.

Keyword(s): Publication Management, Clustering

Publication Management supports a SQL Server clustered environment.

[MOB-290] Port the TeklogixCrypto library to .NET.

Keyword(s): Security

The PTISG.Security.Cryptography namespace is part of the PTISG.dll.

[MOB-288] Port the TeklogixDB library to .NET.

Keyword(s): Database

The PTISG.Data namespace contains the migrated functionality. It is part of the PTISG.dll.

[MOB-286] Provide access to extensions in Application Console at runtime.

Keyword(s): Application Console

Extension can be accessed through the IConsole.GetExtension(type):object method on all platforms.

[MOB-282] Change the “Selected Components” editor to show component dependencies.

Keyword(s): Component Manager

The selected components editor provides a treeview showing a component’s dependencies.

[MOB-279] Provide the ability to create a ptisgRFC.Connection from an SAP credential.

Keyword(s): RFC Connection, SAP credential

PTISG.SAP.Connector.RfcConnector added to provide a ptisgRFC.Connection.

[MOB-274] Add command-line support for importing configuration export files.

Keyword(s): Import/Export

Export files can be imported on the command-line using the following command:

```
installUtil /SourceDirectory="c:\program files\mis" /ImportFile=test.export /ia  
PTISG.Management.ImportExport.dll
```

- where SourceDirectory is the directory containing the export file.

[MOB-245] Provide the ability to purge old versions of components.

Keyword(s): Component Manager

Old versions of components can be deleted.

[MOB-204] Download a group's or workstation's components.

Keyword(s): Workstation Management

The menu item Download Components on the context menu of a group or workstation will download all components to a specified directory.

[MOB-163] Show the number of components assigned to a group in the report node.

Keyword(s): Workstation Management

The number of components assigned to a group is displayed in the Groups report node.

[MIS-763] More Unicode support in Transaction Designer.

Keyword(s): Design-time, Transaction Designer

The Transaction Designer handles Unicode languages much better in the following areas:

1. Messages grid supports all Unicode characters.
2. Screen Editor displays Unicode characters.
3. Text, Edit, Checkbox, Radio Button field types now allow entering all Unicode characters.
4. VB Script source code editor support Unicode characters.

In some cases, the user of the Transaction Designer needs to select an appropriate font for their language. The font for the Screen Editor and grids can be found in menu option View/Options. The font for the VB Script source code editor is found by right-clicking on the source code editor form.

[MIS-775] Database installation needs to be able to work event if SQLDMO is not installed already.

Keyword(s): Installation, Database

Database installation can be performed even if SQL Server, MSDE, or the SQL Server client tools are not installed.

[MIS-802] TeklogixDB unable to reconnect to remote database.

Keyword(s): Runtime, Database

The TeklogixDB class detects disconnection and automatically tries to reconnects on the next call that requires a connection.

[MIS-803] Deleting of Teklogix database when uninstalling MIS.

Keyword(s): Installation, Uninstall

When uninstalling MIS, the prompt to remove the configuration and database now asks: "Remove Existing Configuration and Teklogix Database?" This change more clearly conveys the result of the action.

[MIS-809] Mobile Data Entry transaction should offer same compression option as SAP Console.

Keyword(s): Runtime, SAP, Console

The Mobile Data Entry transaction (in the Console transaction set) allows the fields to be compressed horizontally. When the custom property "Compress Fields" is set to True, the fields are rendered such that there are no more than one character apart, horizontally. By default, this property is False.

[MIS-811] Enlarge default Function Key Handler Screen, and Statement field.

Keyword(s): Design-time, Transaction Designer

The Function Key Handler screen is larger.

[MIS-815] Extend TransactionDesigner for TekGUI.

Keyword(s): Design-time, Transaction Designer, TekGUI

The Transaction Designer now includes features that take advantage of the TekGUI client.

1. Includes two new field types: Checkbox and RadioButton.
2. Includes new property of Entry field type for the Buffer Size. When rendered on the TekGUI client, this allows an entry field to scroll to more characters than can be displayed. This property is (currently) ignored when TekTerm is the client.

[MIS-833] Programmatic selection of RFC function is difficult with SAP.RFC tool runtime.

Keyword(s): Runtime, SAP, RFC

It is now easier to select the RFC function to call programmatically.

[MIS-836] Modify the TeklogixConsole2.Interpreter to handle the new TekGUI commands.

Keyword(s): Runtime, SAP, Console, TekGUI

The library to handle automatic mapping of SAP GUI screens takes advantage of the TekGUI client's look-and-feel.

[MIS-837] The SAP.GUI tool must support the new transaction designer types.

Keyword(s): Design-time, SAP, GUI, TekGUI

The SAP GUI design-time tool supports radio button, check box and table select buttons SAP control types. They are mapped to a RadioButton, Checkbox, and Checkbox with ToggleButton style, respectively.

[MIS-838] Add support for controlling printers and jobs (in COM).

Keyword(s): Runtime, Printing

New classes exist in the ptisgPrinter library to control printers and print jobs. The PrinterController class allows developers to Pause, Purge, Refresh and Resume a printer. The Jobs class is the collection of Job class. The Job class allows developers to Delete, Pause, Restart and Resume a print job.

[MIS-845] ptisgRFC must support MYSAPSSO2 ticket for single-signon.

Keyword(s): Runtime, SAP, RFC

The ptisgRFC library has new property to handle the MYSAPSSO2 ticket returned from SAP web portals.

[MIS-862] Remove year from all product names and titles.

Keyword(s): Installation, Administration

The year 2004 no longer appears associated with MIS. Use the MIS Version in the Global Properties snap-in to determine version.

[MIS-866] Suppress event log errors for FU\_NOT\_FOUND errors.

Keyword(s): Runtime, SAP, RFC

The ptisgRFC library does not write event log errors when the FU\_NOT\_FOUND ABAP exception is returned when looking up RFC function metadata.

[MIS-873] Implement new ! extended data size specification support in TerminalHandler.

Keyword(s): Runtime, TerminalHandler, TESS

The TerminalHandler handles extend data lengths in the TESS protocol. Specifically, this means that marking a field with AIAG on a TekTerm client will allow TekTerm to return more than 208 bytes of data.

[MIS-874] Option to add/maintain indexes in Replicator tables.

Keyword(s): Administration, SAP, Replicator

The Replicator snap-in allows definition of indexes for the replicated table. Any column marked as an indexed column has a one-column index created for that column. Multiple column indexes are not supported.

[MIS-883] Transaction Designer - Does not show on main display if secondary display is later disabled.

Keyword(s): Design-time, Transaction Designer

Transaction Designer repositions itself if it detects that its start position is not valid (typically because the secondary display is no longer enabled).

[MIS-888] Label is unclear in Table dialog in Transaction Designer.

Keyword(s): Design-time, Transaction Designer

The Table dialog uses clearer prompts for the number of rows on the screen and in the table recordset.

[MIS-890] ptisgRFC needs way to extend how the connection string is formed.

Keyword(s): Runtime, SAP, RFC

The ptisgRFC library provides a way to build the ConnectionString property. Developers can create a class and implement the ptisgRFC.IConnectionHelper interface. The Refresh method is called to tell the implementation to refresh the connection string the new connection string is accessed by ptisgRFC through the ConnectionString property.

[MIS-893] Remove TekWeb from installation and MMC snap-in.

Keyword(s): Installation, Administration, Runtime, Web

Due to performance and other limitations, the TekWeb functionality is not available in MIS.

[MIS-898] Database installation - Need to change default to Use Existing and Upgrade.

Keyword(s): Installation, Administration, Database

During installation and Database Management, if a previous installation of a database is detected, the “Upgrade Existing” option is enabled, by default.

[MIS-900] Menu Builder Wizard the tab order and button defaults are not correct for the step “Finish”.

Keyword(s): Design-time, Transaction Set Designer, Menu

The tab order and button defaults works as expected for the Finish step in the Menu Builder Wizard.

[MIS-905] TeklogixSAP and ptisgRFC library should have info about RfcReceive performance.

Keyword(s): Runtime, SAP, RFC

The two RFC libraries now produce trace information on the performance of the SAP RFC call. The result is given in increments of seconds.

[MIS-74] Include files - handle Unicode files

Keyword(s): Design-time, Runtime, Transaction Designer

The external script (“Include”) files are now always saved in UTF-8 format. Files that are of other formats will be read and converted to UTF-8 format when they are next saved. This allows embedding Unicode characters in the script file.

[MIS-805] Restart inbound gateway after SAP failure without restarting the system.

Keyword(s): Administration, Runtime, Services, SAP

The services infrastructure for MIS has changed. There is now a separate instance in the Services snap-in for the following MIS components:

1. MIS.RFTerminal (TerminalHandler.exe)
2. MIS.SAP.InboundGateway (InboundGateway.exe)
3. MIS.SAP.Monitor (SAPMonitor.exe)
4. MIS.SAP.OutboundAgent (OutboundAgent.exe)
5. MIS.SAP.OutboundGateway (OutboundGateway.exe)

6. MIS.SpeechHandler (PTISG.Speech.Handler.exe)
7. MIS.TekTelNet (TekTelnet.exe)

With this infrastructure, administrators can now start, stop, and restart specific components of the system without directly affecting other components. There two IMPORTANT points to be made:

1. Starting the MIS.RFTerminal (for example) does NOT start any of the other services like MIS.SAP.InboundGateway. You MUST multi-select each of the services you want to start. In a production system, set ALL the services that you want to start at boot-time with the Start Mode of Automatic.
2. The service name TekRFService is no longer valid. If you have written any programs or utilities to restart that process in the past, you must now use each of the individual service names.

[MIS-814] Create TekGUI Client for supported platforms.

Keyword(s): Client, TekGUI

A new client program that uses TESS protocol has been created (based on code from the developers in Denmark©). Its main goal is to provide a Windows-style look-and-feel to users similar to SAP GUI. The program will be available to 753x, Workabout Pro, Windows 2000, Windows XP, and Windows 2003. New, server-side licensing is required for the client to be used with MIS (see MIS-902).

[MIS-849] Create a buffered input field.

Keyword(s): Client, TekGUI

The TekGUI client supports a buffered input field that allows scrolling through the field. It allows more text to be entered than can be displayed.

[MIS-902] Licensing for TekGUI clients

Keyword(s): Administration, Runtime, TekGUI

New, server-side licensing is required for the client to be used with MIS (see MIS-902).

[MIS-913] Create the FormUtilities class.

Keyword(s): Design-time, Windows Forms

A new FormUtilities class is available in the PTISG.Windows.Forms namespace.

[MIS-949] Add highlight function to all fields.

Keyword(s): Runtime, Client, TekGUI

Each of the TekRF field types now has the Highlighted property. In TekTerm, this reverses the current video of the field (normal to reverse, reverse to normal). In TekGUI, the field becomes a special Highlighted color – golden, by default.

[TSP-55] Vocollect Reader doesn't handle multi-line requests.

Keyword(s): Framework, Speech, Vocollect

The Reader can now handle multi-line requests. It will pass the entire multi-line request to the Agent specified on the first line of the request for processing.

[TSP-60] Need notification of "agent deleted".

Keyword(s): Framework, Speech, Agents

Any agent that extends the base set of agent properties will now get notification of the "deleteagent" operation so that it can perform any necessary cleanup processing like deleting its underlying configuration file.

[TSP-79] Interface into PowerHouse WMS by QSSI.

Keyword(s): Framework, Speech, QSSI

A new library for interfacing to Powerhouse WMS by QSSI is available. Its namespace is PTISG.QSSI.Powerhouse.

[TSP-86] Create Stored Procedure Agent.

Keyword(s): Framework, Speech, Agents

A new base class for stored procedures is now available.

[TSP-88] Agent for QSSI Interface.

Keyword(s): Framework, Speech, Agents

A new Agent library for interfacing to Powerhouse WMS by QSSI is available. Its namespace is PTISG.Speech.QSSI.Powerhouse.Agents.

## **Version 3.2**

### **Known Issues in this Release**

[MOB-232] Queued Web Services (WinCE) creates \Queues directory.

Keyword(s): Application Console WinCE, Queued Web Services

Queues directory is created under PT Application Console directory and all messages are stored there. Something still creates an empty Queues directory in the root directory. This directory is never used, so shouldn't be created.

[MOB-83] Group subscriptions overwrite each other on the CE device.

Keyword(s): Admin, Publication Manager, SqlCE replication

If two groups have each different subscription and one workstation is a part of both groups then the subscription files will overwrite each other on the device. This caused by the fact that SqlCE only allows one subscription.

[MOB-158] Application Console for WinCE does not catch all uncaught exceptions.

Keyword(s): Application Console WinCE

If the applet or daemon doesn't handle the exception then they get displayed for a brief moment and Application Console shuts down. Applet developers should handle all exceptions.

## **Issues Resolved in this Release**

[MIS-739] SAP GUI sometimes disappears when recording/designing transactions.

Keyword(s): SAP, Runtime, Design Time, GUI

The underlying library (TeklogixSapAutoGui2.dll) has been re-engineered to eliminate the use of sockets. Instead, memory mapped files are used. As well, during design time recording of SAP GUI screens, the timeout has been forced to a longer time to avoid the possibility of having the SAP GUI screen disappear.

[MIS-740] TeklogixSYS.Registry leaks handles.

Keyword(s): Runtime

The runtime library TeklogixSYS.dll correctly closes the handles opened when a new registry key is opened.

[MIS-741] Need to separate create database and create tables in TeklogixDB.dll library

Keyword(s): Runtime, Database

The runtime library TeklogixDB.dll no longer creates tables. That action is performed by a later step.

[MIS-742] TekTelnet server does not handle Serial Fields

Keyword(s): Runtime, Telnet

The TekTelnet server handles serial fields by ignoring them.

[MIS-746] ServiceBase is incorrectly hiding all exceptions.

Keyword(s): Administration, Services

The ServiceBase class no longer hides all exceptions of type `InvalidOperationException`. The library is only ignoring errors such as an “Already started” error when starting and “Already stopped” error when stopping.

[MIS-747] TekTelnet field order is not the same as TekTerm

Keyword(s): Runtime, Telnet

The TekTelnet server now orders the fields as they are defined from TekRF. That is, in field ID order. The server now ensures the same field order behaviour as TekTerm.

[MIS-748] Ensure the database and files are not locked during un-installation.

Keyword(s): Installation, Database

Under some conditions, the IIS server has files and database connections still open. During the uninstall process, a IIS server restart is attempted to try to ensure the files and database are not open so that the process may run more smoothly.

[MIS-749] Uninstall does not de-register the Snap-ins - it should

Keyword(s): Installation, Administration

The snap-ins correctly de-register during the uninstall process.

[MIS-750] If TEKConsole or TEKConsoleSC install, set the transaction set to Console

Keyword(s): Installation

The Console transaction set is enabled as default if the user chooses TEKConsole SC or TEKConsole setup type options during the installation process.

[MIS-751] CoImpersonateClient call sometimes sets invalid user context.

Keyword(s): Runtime

Many low-level .NET interop calls to COM must call the CoImpersonateClient to ensure that the correct impersonation occurs. However, calls to CoImpersonateClient when it's not needed causes other problems. The call to CoImpersonateClient now works correctly in all cases.

[MOB-253] Exception is thrown when using SAPDataAdapter for some queries.

Keyword(s): SAP Interconnect

If the layout of the query is different then the layout of the queried table SAPDataAdapter.Fill() failed.

[MOB-199] PublicationManager import is not transactional.

Keyword(s): Admin, Publication Manager, SqlCE replication

If the user cancelled the import of Publication Manger the Publications imported so far would remain in the database. These will now be deleted upon roll back.

[MOB-226] Importing subscriptions fails if the table doesn't exist.

Keyword(s): Admin, Publication Manager, SqlCE replication

If the user imports the Publication for the table that doesn't exist on the target system a dialog will show to notify the user and entire import will be rolled back.

[MOB-241] SAP Replicator Configuration is missing the ability to disallow NULL values.

Keyword(s): Admin, SAP Replication

It is now possible to disallow null values in replicated SAP tables.

[MOB-218] Teklogix User in SQL Server always has default database set to Teklogix.

Keyword(s): Admin, Database

Teklogix user is now associated with the database selected in Database snap-in.

[MOB-229] Long status messages get last line chopped off in Application Console for WinCE.

Keyword(s): Application Console, WinCE

Long status messages display properly now.

[MOB-81] Replication will fail if subscription only assigned to a Group.

Keyword(s): Admin, Publication Manager, SqlCE replication

This is fixed now.

[MOB-228] Distribute menu in Subscription node distributes subscription for Group even if no subscription exists.

Keyword(s): Admin, Publication Manager, SqlCE replication

If there is no subscription for a Group then it will not be distributed.

[MOB-179] MIS fails to install if IIS is not present.

Keyword(s): Installation, Setup

MIS will now install on the system where IIS is not present. Some MIS features will not be available however.

## **Improvements in this Release**

[MOB-243] Component Dependees dialog is sorted by version and selected components.

Keyword(s): Admin, Component Manager

Component Dependees dialog is sorted by version and selected components.

[MOB-252] When viewing the versions of a component the newest should be shown first.

Keyword(s): Admin, Component Manager

Component versions are now sorted in descending order.

[MOB-69] Applets need a way to translate the category and text into other languages.

Keyword(s): Admin, Component Manager, Application Console

New add-in wizard in Component Manager now has the ability to add multiple locales for applet category and text.

[MOB-237] Distribute subscription when saved.

Keyword(s): Admin, Publication Manager

Subscriptions now get distributed automatically every time they get saved.

[MOB-238] Change licensing product from "Application Console" to "Workstations".

Keyword(s): Admin, Licensing

Product Name in Licensing snap-in has changed from "Application Console" to "Workstations".

[MOB-240] Create a new "Language Resource" wizard in Component Manager MMC snap-in.

Keyword(s): Admin, Component Manager, Application Console

A new wizard has been added that allows administrator easily add language resource library to Component Manager.

[MOB-244] Add upgrade database option to Database Manager Wizard.

Keyword(s): Admin, Database

When selecting existing database, user now has an option to upgrade that database to MIS 3.2 database.

## **Version 3.1**

### **Known Issues in this Release**

[MOB-228] Distribute menu in Subscription node distributes subscription for group even if no subscription exists.

Keyword(s): Admin, Publication Manager, SqlCE replication

If there is a Group that does not have any subscription assigned to it this action will create the subscription file for that group anyway. The file is empty and gets downloaded to the workstation where it is handled correctly (no action taken). This is a cosmetic problem.

[MOB-83] Group subscriptions overwrite each other on the CE device.

Keyword(s): Admin, Publication Manager, SqlCE replication

If two groups have each different subscription and one workstation is a part of both groups then the subscription files will overwrite each other on the device. This caused by the fact that SqlCE only allows one subscription.

[MOB-199] Import for Publication Manager is not transactional.

Keyword(s): Admin, Publication Manager, SqlCE replication, Import, Export

All other imports if cancelled will rollback except Publication Manager.

[MOB-226] Importing subscriptions fails if the table doesn't exist.

Keyword(s): Admin, Publication Manager, SqlCE replication, Import, Export

If Publication Manager publishes a table that table needs to be present in the target system when publications and subscriptions are imported.

[MOB-229] Last line of status message is being chopped off in applet card.

Keyword(s): Application Console WinCE

Application Console CE. This is a cosmetic problem.

[MOB-158] Application Console for WinCE does not catch all uncaught exceptions.

Keyword(s): Application Console WinCE

If the applet or daemon doesn't handle the exception then they get displayed for a brief moment and Application Console shuts down. Applet developers should handle all exceptions.

[MIS-429] Scrolling between PO items in MIGO under SAP 4.7 does not work correctly

## **Issues Resolved in this Release**

[MIS-334] Database Installation – Incorrectly allow database to be dropped during installation.

Keyword(s): Installation, Database

The database installation wizard disables the Drop option.

[MIS-378] Services Administration – Needs to support more than one service.

Keyword(s): Administration, Services

More than one server may appear in the Services snap-in. Services in this list may be multi-selected. The Restart option has been added.

[MIS-451] Remote Administration – Creating a new Inbound Gateway for a remote snap-in generates an error.

Keyword(s): Remote Administration, SAP, Inbound Gateway

Inbound Gateway snap-in works correctly when run remotely.

[MIS-453] Remote Administration – Deleting a scheduled task from a remote machine fails.

Keyword(s): Remote Administration, Scheduled Tasks

Deleting scheduled tasks from the snap-in works correctly when run remotely.

[MIS-461] Remote Administration – Does not provide error message if the user does not have administrative rights

Keyword(s): Remote Administration

The snap-ins report to the user when they do not have enough permission to make changes when run remotely.

[MIS-470] Remote Administration – Scheduled Tasks brings the local directory settings and not the remote settings.

Keyword(s): Remote Administration, Scheduled Tasks

The Scheduled Tasks snap-in works correctly when run remotely.

[MIS-471] Remote Administration – Transaction set context menu option needs to be disabled.

Keyword(s): Remote Administration, Transaction Set

Transaction Set options are no longer available when run remotely.

[MIS-474] Remote Administration – Data Browsers New loads local settings and not the remote settings.

Keyword(s): Remote Administration, Data Browsers

The Data Browsers snap-in saves its properties on the server (database) and works correctly when run remotely. The Data Browsers snap-in has been fundamentally changed from version 3.0 and previously saved MMC console files (MSC files) will no longer work with the version 3.1 snap-in.

[MIS-506] Remote Administration Replicator Snap in – Cannot create one remotely.

Keyword(s): Remote Administration, SAP, Replicators

The Replicators snap-in work correctly when run remotely.

[MIS-509] Create New Replicator does not gracefully handle Logon errors.

Keyword(s): Remote Administration, SAP, Replicators

The Replicators snap-in gracefully handles SAP logon errors.

[MIS-534] TekRF system tables need to be hidden from MIS Mobile SQL Replication.

Keyword(s): Administration, Database

The TekRF database tables have been marked as “hidden” so that they are not available for SQL Replication or the Data Browser.

[MIS-579] Table Sorting doesn't sort.

Keyword(s): Runtime, SAP, RFC

The ptisgRFC library implements the Sort method. Also see issue [MIS-693] for important information on consistent Native data type support.

[MIS-600] If MSMQ is not running on target platform, installation is corrupt.

Keyword(s): Installation, MSMQ

The MIS installation handles the case when MSMQ is not installed.

[MIS-612] Install check for prerequisites may give incorrect diagnosis.

Keyword(s): Installation, MSMQ

The installation now uses the MQSVC.EXE file to determine if MSMQ is installed.

[MIS-621] Any occurrence of the string "]]>" in transaction code causes exception when saving.

Keyword(s): Transaction Designer, Design Time

The Transaction Designer disallows saving or closing if the script contains these characters. The Transaction Designer displays an error on the status line.

[MIS-629] Online Help – SAP Monitor not available.

Keyword(s): Administration, Help, SAP, Monitor

Online help for the SAP Monitor snap-in is now available when F1 is pressed.

[MIS-647] Remote Administration – Replicator fields and SAP connection do not remote.

Keyword(s): Remote Administration, SAP, Replicator

The SAP Replicators snap-in work correctly when run remotely.

[MIS-661] INSTALDIR not deleted after uninstall

Keyword(s): Installation

The MIS installation will attempt to delete the installation directory if “Save Configuration” is No.

[MIS-667] Long name for Inbound Gateway causes the inbound gateways to disappear.

Keyword(s): Administration, SAP, Inbound Gateway

An underlying library (TeklogixSYS.Registry) was improved to support longer names (from 65 to 512).

[MIS-668] Online Help – Replicator – Execute Replicator brings up Replicator intro page.

Keyword(s): Administration, Help, SAP, Replicators

The Replicators – Execute Replicator snap-in displays the appropriate help.

[MIS-671] SAP connectivity libraries (GUI and RFC) do not handle Korean, etc.

Keyword(s): Runtime, SAP, GUI, RFC

The TeklogixSapAutoGui2 and ptisgRFC libraries now support translating SAP codepages to and from Unicode. The following codepages are supported:

8500 – 949: Korean

8400 – 936: Simplified Chinese GBK

8000 – 932: Japanese Shift-JIS

8300 – 950: Traditional Chinese Big5

1500 – 1251: Cyrillic

The ptisgRFC library performs this conversion automatically when it detects that the SAP system uses one of these codepages. The TeklogixSapAutoGui2 library must have a registry setting to enable the conversion to and from these codepages as the underlying SAP library cannot detect the codepage automatically.

[MIS-672] Installation of MIS fails if SQL not installed on C: drive.

Keyword(s): Installation, Database

The MIS installation handles variations of where the database is installed.

[MIS-673] SAP Replicator – Task Scheduler creates invalid Replicator name argument.

Keyword(s): Administration, SAP, Replicators, Scheduled Tasks

Creating a Scheduled Task for a Replicator correctly name the Replicator.

[MIS-675] Unable to detect SQL software installed on another drive.

Keyword(s): Installation, Database

The installation detects SQL server even if not installed on the C: drive.

[MIS-678] GUI runtime can cause terminal to hang with RESET: mov\_curs ##.

Keyword(s): Runtime, SAP, GUI

The GUI runtime ensures that the terminal field properties allow updating.

[MIS-682] SAP.GUI.PopulateGUI may fail if SAP control missing.

Keyword(s): Runtime, SAP, GUI

The GUI runtime ensures that the SAP control exists before accessing it.

[MIS-683] "GUI Field.ValueExpression = Empty" fails.

Keyword(s): Runtime, Script

The scripted runtime handles the case of assigning an Empty value.

[MIS-684] SAP.GUI.CallSend may fail if SAP control missing.

Keyword(s): Runtime, SAP, GUI

The GUI runtime ensures that the SAP control exists before accessing it.

[MIS-689] Replicator fails to insert data if column contains '/' character.

Keyword(s): Administration, Runtime, SAP, Replicators

The Replicator snap-in and runtime correctly handle table and columns names that contain the “/” character.

[MIS-690] SAPMonitor process fails when used with 610+ R/3 systems.

Keyword(s): Runtime, SAP, Monitor

The SAP Monitor process handles table look-ups on SAP systems of release 610 and higher.

[MIS-692] LoginSAPUser.TRX contains misspelled property.

Keyword(s): Runtime, SAP

The SAP login transaction works correctly.

[MIS-693] Support consistent native data type on calls GetTable for all SAP system versions.

Keyword(s): Runtime, SAP, RFC

The ptisgRFC library now supports more consistent native data type when calling the GetTable method. In the previous release, the field data types more closely matched the SAP data type only when calling SAP systems of release 4.6C and earlier because it called the TABLE\_ENTRIES\_GET\_VIA\_RFC function. However, calling an SAP of release 620 or greater, returned only character values for fields. To enable this feature, set the DataMode property of the returned table to DataModeAsNative (=2). By default, the old behaviour is preserved (i.e., DataMode is set to DataModeAsChar (= 1)).

[MIS-695] Active Console "validation" fields do not work correctly.

Keyword(s): Runtime, SAP, Console

The Console runtime now correctly handles validation field update scenarios.

[MIS-698] GUI Designer works incorrectly for LS24 when SAP GUI 640 installed.

Keyword(s): Design Time, SAP, GUI

The GUI designer now works with SAP GUI version 640.

[MIS-701] GUI Designer cannot handle report with no records.

Keyword(s): Design Time, SAP, GUI

The GUI designer now works when running report transactions that return no records.

[MIS-702] Transaction Designer – Crashes in multiple right-click scenario.

Keyword(s): Transaction Designer, Design Time

The Transaction Designer does not crash when multiple mouse right-clicks are performed.

[MIS-706] Trapped error on PopulateGUI when field has been set to no display.

Keyword(s): Runtime, SAP, GUI

The GUI runtime ensures that the terminal field properties allow updating.

[MIS-710] Various components don't handle missing message queue install.

Keyword(s): Installation, MSMQ

The MIS installation handles the case of when MSMQ is not installed.

[MIS-718] Remote Administration – Groups “Main Menu” pull down fails.

Keyword(s): Remote Administration, User Maintenance

The Groups’ “Main Menu” property correctly lists transactions when run remotely.

[MIS-719] Remote Administration – cannot initiate SAP replication.

Keyword(s): Remote Administration, SAP, Replicators

The Replicators snap-in when run remotely works correctly to replicate data.

[MIS-725] RFC – Assigning AbsolutePosition to recordset causes error.

Keyword(s): Runtime, SAP, RFC

The ptisgRFC library now works consistently with ADO behaviour.

[MIS-726] Renaming a Transaction Set incorrectly allows for " ".

Keyword(s): Transaction Set, Design Time

Renaming a Transaction Set does not allow an empty name.

[MIS-727] Copy Transaction Set - Canceling the process gives error message

Keyword(s): Administration, RF Terminal, Transaction Set

The Transaction Set snap-in handles the cancel button press and does not display an error message.

[MIS-728] The TeklogixTSX.Tess library reports invalid error for some codepages.

Keyword(s): Runtime, TESS

The list of supported codepage conversions is now up-to-date.

[MIS-731] SAP Outbound Agent – Script File name should be read-only.

Keyword(s): Administration, SAP, Outbound Agent

The Outbound Agent snap-in disallows changing the script file name.

[MIS-734] Uninstall / Save configuration delete data directory.

Keyword(s): Installation

The MIS installation does not remove the data directory if not empty and “Save Configuration” is Yes.

[MIS-736] LoginSAPUser transaction incorrectly connects to database when DIALOG\_ONLY.

Keyword(s): Runtime, SAP

The default LoginSAPUser transaction no longer uses the database.

[MIS-737] PTISG.DesignStudio.Addin.SAP.GUI sometimes has two GUI connections.

Keyword(s): Design Time, SAP, GUI

The GUI designer closes the GUI connection immediately so that two connections are not open at the same time.

## **Improvements in this Release**

[MIS-555] No way to edit Enum Set items in Transaction Set Custom Properties

Keyword(s): Transaction Designer, Transaction Set Designer, Design Time, SAP, GUI

Transaction and Transaction Set Designers now allow editing Enum Set items.

[MIS-566] TeklogixSapAutoGui2.Control needs to expose the SapStyleFlags property.

Keyword(s): Runtime, SAP, GUI

The TeklogixSapAutoGui2 library now exposes the SapStyleFlags property for exposing more information about SAP controls.

[MIS-696] Active Console does not raise error bell the same as SAP Console

Keyword(s): Runtime, SAP, Console

The Console runtime checks for the special control named “NOTIFY\_BELL\_SIGNAL” as specified in SAP Note: 371838.

## **Version 3.0 SP4**

### **Issues Resolved in this Release**

[MIS-709] Main Menu drop down does not work in Group Properties (User Maintenance Snap in).

Keyword(s): Admin, Users

The snap-in has been corrected to also list transaction files with the TRX extension to be included.

[MIS-704] GUILIBSession unexpectedly reports a disconnection and terminates.

Keyword(s): Run-time, SAP, GUI

The GUILIBSession executable has been corrected so that it no longer reports unexpected disconnections or terminates early.

## **Version 3.0 SP3**

### **Issues Resolved in this Release**

[MIS-691] GUILIBSession causes timeout of TeklogixSapAutoGui2.Event class.

Keyword(s): Run-time, SAP, GUI

The GUILIBSession executable has been corrected so that timeout errors no longer occur due to a fault in event handling of the executable.

## **Version 3.0 SP2**

## Issues Resolved in this Release

[MIS-186] TerminalHandler crashes with a memory exception.

Keyword(s): Run-time, SAP, GUI

The SAP GUI session support libraries are improved.

[MIS-200] Tab key press in Transaction Designer non-modal dialogs switches focus to main window.

Keyword(s): Transaction Designer, Design Time, Database Queries, SAP, RFC

Pressing the tab key initially switches focus to the Transaction Designer but any further tab key presses perform as expected. Previously, pressing the tab key always switched focus back to Transaction Designer.

[MIS-277] RFC Add-In - Tabbing changes window focus.

Keyword(s): Design Time, SAP, RFC

Pressing the tab key initially switches focus to the Transaction Designer but any further tab key presses perform as expected. Previously, pressing the tab key always switched focus back to Transaction Designer.

[MIS-375] Function Key Handlers – check boxes must be clicked twice to change their state.

Keyword(s): Design time, Transaction Designer

When changing the state of a check box in the function key handlers dialog you only click once. Previously, the check box had to be clicked twice to set it.

[MIS-480] RFC Add-In - Cannot drag a column header to group by that column.

Keyword(s): Design time, Transaction Designer, SAP, RFC

The tool tip suggesting that a column header can be dragged was removed. Previously, it appeared the column header could be dragged but it was not possible to drag it.

[MIS-573] Debugging function key handlers is difficult because code cannot be skipped.

Keyword(s): Run-time, Debugging

Calls made to the handlers allow normal debugging procedures. Previously, if you debugged a script and stepped into a handler that had an error, the only way to continue was to exit the debugging session.

[MIS-598] Saving changes made to custom properties can raise an exception and cause the transaction file to be deleted.

Keyword(s): Design-time, Transaction Designer, Transaction Set Designer

The procedure to save the transaction file is improved to handle exceptions correctly and prevent data loss. Previously, an exception raised while saving the file could cause the transaction to be deleted.

[MIS-605] Transaction Designer allows large numbers to be entered for release numbers.

Keyword(s): Transaction Designer

The dialog restricts input to a valid range of values. Previously, unsupported release numbers were allowed but saving the values resulted in a “Runtime error 6 : overflow” error which caused the properties dialog to close.

[MIS-607] Login transaction does not handle failed connection via an RFC Connection correctly.

Keyword(s): Run-time, SAP

The login transaction, LoginSAPUser.trx, handles failed connections to SAP correctly. Previously, the message “Object doesn’t support this property or method” would appear on the terminal.

[MIS-608] Importing a TekRF Core 2 Users/Groups/Tokens export fails.

Keyword(s): Admin, Users

The import process imports null values in data as empty strings (“”). Previously, the null values would be imported and User Administration would fail.

[MIS-611] A runtime error may occur if an RFC Field’s ValueExpression calls a function in the transaction’s script.

Keyword(s): Run-time, RFC

An RFC field’s ValueExpression can be a function in the transaction’s script and it is executed correctly at runtime. Previously, at runtime, a “type mismatch” error would occur at runtime.

[MIS-613] Deselecting the table column checkbox of a screen field whose BaseName is the same as an existing screen field raises an unhandled exception.

Keyword(s): Design time, Transaction Designer

When deselecting the table column checkbox on the table dialog of an entry field, the new field's name will be created with a numeric suffix (i.e. 1) if there is a field name conflict. Previously, transaction designer would crash with the exception: "This key is already associated with an element of this collection."

[MIS-615] Transaction Designer is unable to load a transaction if it contains an RFC that does not exist on the current SAP system.

Keyword(s): Design time, Transaction Designer, SAP, RFC

The transaction loads correctly if the RFC does not exist on the SAP system. RFC metadata is labeled as "(Interface not available)". RFC properties can still be used. Previously, if the SAP system did not contain the RFC defined in the transaction, the transaction designer would start but the transaction would not load correctly and a "Trapped Error – See Log" message flashed on the status bar.

[MIS-620] If the Dialog Property form is used to map Dialog fields to screen fields, the assignment is not maintained in the transaction.

Keyword(s): Design time, SAP, Dialog

Dialog field assignment is maintained correctly. Previously, the field assignment was not maintained and the xml became invalid resulting in the transaction failing to load in the transaction designer.

[MIS-622] MobileDataEntry transactions fail to recognize the Up Page and Down Page function keys.

Keyword(s): Run-time

The Up Page and Down Page function keys are recognized at run-time.

[MIS-623] Autotab from an Entry field to a Button field causes a JavaScript error on a web browser.

Keyword(s): Run-time, Web

The Autotab correctly moves focus from an Entry field to a Button field in a web environment. Previously, this would cause a JavaScript error.

[MIS-625] RFC Add-In - Dragging an import structure field to an existing entry field fails.

Keyword(s): Design time, Transaction Designer, SAP, RFC

Dragging an import structure field to an existing entry field maps the RFC field to the existing screen's entry field.

[MIS-628] Requesting online help from the Replicator schedule wizard brings up the Replicator introduction page.

Keyword(s): Help, Admin, Replicator

Requesting online help displays the relevant help page for the schedule wizard.

[MIS-632] Online help for the scheduled task wizard is not context sensitive.

Keyword(s): Help, Admin, Scheduled Tasks

Online help in the Scheduled Task Wizard displays the relevant help page.

[MIS-637] SAP Table View menu change causes unhandled exception when a table name is not entered.

Keyword(s): Design time, SAP, SAP Table

If SAP table information is not retrieved, selecting a menu item from the view menu does nothing. Previously, selecting a view menu option when a table name was not entered produced the unhandled exception "Object reference not set to an instance of an object."

[MIS-638] No validation is made for VBScript expressions and statements entered in the design tools and at runtime.

Keyword(s): Design time, Transaction Designer, SAP, RFC, GUI, Dialog

At design time, messages are displayed when errors in VBScript expressions are found. At runtime, syntax errors raise a "Trapped Error – See Log" message on the terminal. Previously, at design time the syntax was not validated and, at runtime, errors were sometimes not raised.

[MIS-641] A runtime error occurs if a character is entered from the terminal into a button on a GUI auto-mapped screen.

Keyword(s): Run-time, SAP, GUI

Any characters entered in a button in this scenario are simply erased on the terminal. Previously, entering a character into a button raised a “Trapped Error – See Log” message on the terminal.

[MIS-643] ObjectTypes.Add does not return the object type added.

Keyword(s): API

A call to ObjectTypes.Add in the PTISG.MIS library checks if the object type already exists and returns the object type (added or existing).

[MIS-644] GUI mapping info can be lost when the transaction is saved if the related .AGS files are not found.

Keyword(s): Design time, SAP, GUI

The transaction mapping information is saved even if the .AGS files are not found. Previously, if the .AGS files were not found, the transaction mapping information was removed when the transaction was saved.

[MIS-645] It is not possible to view the Journal queue of a custom Inbound Gateway.

Keyword(s): Admin, Inbound Gateway

The journal queue of a custom Inbound Gateway can be viewed. Previously, if you attempted to view the Journal queue of a custom Inbound Gateway, an exception was raised.

[MIS-646] A SAP Dialog Field can forget it is a Table field when the mapping information is modified.

Keyword(s): Runtime, SAP, Dialog

Dialog fields in tables do not lose their settings when the mapping is modified. Previously, if you changed the mapping information of a dialog table field it could fail at runtime with an error suggesting that the mapped field does not exist on the mapped screen.

[MIS-648] The LoadSettings method of the ptisgRFC Connection object does not work as expected.

Keyword(s): API, SAP, RFC

The method call uses the object type and object id parameters it is passed to ensure the correct settings are loaded. Previously, when calling LoadSettings with specific

object type and object id parameters it would ignore the parameters and load the default SAP connection settings.

[MIS-652] Entry field's DisplayOnly property not getting set during table scrolling.

Keyword(s): Run-time

An entry field marked as a table column has its DisplayOnly property set based on the recordset column mapped to it. Previously, in some cases, the DisplayOnly property would not be set resulting in some fields, which should be editable, remaining read only.

[MIS-654] GUI runtime behaviour changes when Page Saving is enabled.

Keyword(s): Run-time, SAP, GUI

The GUI runtime behaves appropriately whether Page Saving is enabled or not. Previously, entering the GUI transaction for a second time resulted in the terminal being stuck on an unmapped GUI screen and the only way to exit it was to restart the terminal.

[MIS-655] PTISG.MIS does not support all features of TeklogixSYS.

Keyword(s): API

PTISG.MIS contains a .NET implementation of the object type and object id implementation contained in the TeklogixSYS COM library.

[MIS-656] Version of SAP librfc32.dll may cause memory exception.

Keyword(s): Run-time, SAP, GUI, RFC

The MIS release includes Compilation 6 versions of librfc32.dll and guilib.dll.

[MIS-658] Error messages when entering bad VBScript statements are not user-friendly.

Keyword(s): Design-time, Transaction Designer, Database Query, SAP, GUI, RFC, Dialog

Messages are clearer when invalid VBScript syntax is entered.

[MIS-662] The RFC Add-In Properties Form does not resize correctly.

Keyword(s): Design-time, SAP, RFC

Controls on the RFC Properties form resize correctly when the form is resized. Previously, the controls did not respond to the form being resized.

[MIS-663] RFC Runtime displays a TRAPPED ERROR – SEE LOG when it should display a friendly message.

Keyword(s): Run-time, SAP, RFC

A SAP error returned from an RFC call results in a popup message and not a trapped error.

## **Improvements for this Release**

[MIS-435] RFC Add-In does not set the focus to the RFC drop-down box.

Keyword(s): Design time, SAP, RFC

When the RFC Add-In is displayed in Transaction Designer, focus is set to the RFC drop-down box.

[MIS-640] PTISG.Resources.ResourceManager removed from PTISG.dll.

Keyword(s): API

The class ResourceManager and its associated namespace PTISG.Resources is removed from the PTISG.dll. System.Resources.ResourceManager should be used.

[MIS-642] Display the Port number in the snap-in name in mmc console when remoting.

Keyword(s): Admin, Remoting

The port number configured for the snap-in is displayed in addition to the ip address when remoting. Previously, only the ip address (or computer name) was displayed.

## **Includes Issues Resolved in 3.0 SP1**

[MIS-69] TeklogixSapAutoGui2::Event.SystemNumber does not format value.

Keyword(s): SAP, GUI, API

The TeklogixSapAutoGui2::Event.SystemNumber property assignment better handles cases where this property is not assigned with the correct format. Previously, if the property was assigned with an incorrect value or format, the Logon method call would fail.

[MIS-234] Design-time DisplayOnly property retained at run-time.

Keyword(s): SAP, RFC, Run-time

For an entry field that is set to be a table field, if its DisplayOnly property is set to true at design-time, it retains the setting at run-time. Previously, all table fields would have the DisplayOnly property set to False at run-time.

[MIS-282] SAP.GUI display allows “Control Properties” to be edited.

Keyword(s): SAP, GUI, Design-time

The dialog titled “Control Properties” no longer allows its elements to be modified. Previously, the “Control Properties” allowed the properties to be changed; however, the changes were never applied to the recording.

[MIS-323] Transaction Designer displays “New Screen” menu option at inappropriate locations.

Keyword(s): Transaction Designer

The context menu for adding new screens no longer appears when right-clicking the Messages or Scripts element in the tree on the Transaction Designer. Previously, if you right-clicked on the Message or Script node, the context menu included the “New Screen” option.

[MIS-389] “Table Properties” dialog has inconsistent UI when un-checking “Create Recordset Automatically”.

Keyword(s): Transaction Designer

Un-checking the “Create Recordset Automatically” option disables the related fields in the “Table Properties” dialog.

[MIS-408] Deleting read-only AGS file causes “Trapped Error 5”.

Keyword(s): SAP, GUI, Design-time

When deleting SAP GUI Metadata, Transaction Designer detects that the AGS file is read-only and prompts the user about the file. Previously, when deleting AGS files that are read-only, a “Trapped Error 5” was displayed and the AGS file was not deleted.

[MIS-423] Some designer add-ins incorrectly allow drag/drop to inappropriate locations.

Keyword(s): SAP, Design-time

The add-ins disallow dragging controls to inappropriate fields on the screen designer. Previously, the field-sharing feature when dragging and dropping was too generous.

[MIS-432] Enabling/Disabling table field property does not change field name correctly.

Keyword(s): Transaction Designer

When changing an Entry field type to enable/disable it as a Table field, the Transaction Designer correctly changes the actual field name. Previously, changing to/from a table field did not change the name of the field.

[MIS-439] Table name is not displayed on “Database Lookup” dialog when reopening.

Keyword(s): Database, Design-time

In the “Database Lookup” dialog, the table name is no longer displayed. Instead the Query is built using the Build button.

[MIS-478] Text is truncated in “Handler” field of “RFC Properties” dialog.

Keyword(s): SAP, RFC, Design-time

In the “RFC Properties” dialog, the contents of the “Handler” combo-box control are no longer truncated.

[MIS-481] Delete button on “RFC Add-In” dialog has no effect.

Keyword(s): SAP, RFC, Design-time

In the “RFC Add-In” dialog, the “Delete” button was removed to reflect the fact that deleting a record is not supported. Previously, clicking the “Delete” button had no effect.

[MIS-482] Clicking “Rollback” or “Commit” button in “RFC Add-In” dialog does not report success or failure.

Keyword(s): SAP, RFC, Design-time

In the “RFC Add-In” dialog, clicking on the “Rollback” or “Commit” buttons displays a message to indicate whether the action was successful or not.

[MIS-484] Entering non-numeric values in “Database Table Properties” dialog cause unhandled exception.

Keyword(s): Database, Design-time

In the “Database Table Properties” dialog, it no longer allows a user to enter non-numeric data into the “Maximum no. of hits” field. Previously, an unhandled error was displayed if a non-numeric value was entered into this field.

[MIS-493] Database connection timeout occurs on busy or under-powered systems.

Keyword(s): API

The TeklogixDB::Connection class was modified to override the default connection timeout of 30 seconds with a value of 120 seconds. Previously, connection and command timeouts could occur on busy or under-powered system.

[MIS-502] Unable to delete User ID containing single-quotes.

Keyword(s): User Maintenance, Admin

The “User Maintenance/Users” administrative snap-in was corrected to allow a user ID containing single-quotes to be deleted.

[MIS-504] Editing or deleting records is incorrectly allowed when “Allow Editing” option is False.

Keyword(s): Data Browser, Admin

The “Database/Data Browsers” administrative snap-in prevents editing or deleting a record if the “Allow Editing” option is set to False.

[MIS-508] Clicking “Error Details” button on “Replication Queue” dialog causes unhandled exception.

Keyword(s): Replicator, Admin

The “Replication Queue” dialog no longer displays an unhandled exception when clicking on “Error Details” button when there are no items are in the list.

[MIS-514] Drag/drop after cancelled drag/drop causes incorrect label text and size.

Keyword(s): Transaction Designer

Drag/drop actions in the Transaction Designer produce expected results. Previously, if the first drag/drop is cancelled, the second drag/drop immediately following this would have the incorrect label text and size.

[MIS-518] Entering non-numeric values in “Release” fields of “Properties” dialog cause unhandled exception.

Keyword(s): Transaction Designer

The Transaction Designer disallows non-numeric values in the “Release” fields on the “Properties” dialog. Previously, a runtime error was raised if invalid values were stored into these fields.

[MIS-521] Changing table view option causes unhandled exception in “SAP Table” dialog.

Keyword(s): SAP Tables, Design-time

The “SAP Table” dialog no longer displays an “unhandled exception” dialog when changing the view if no data is visible in the grid.

[MIS-525] “Build Wizard” menu option incorrectly displayed if multiple fields selected.

Keyword(s): Transaction Designer

The context menu does not display the “Build Wizard” option if more than one field is selected.

[MIS-527] Various administration dialogs have incorrect title.

Keyword(s): Admin

Various administrative snap-in dialogs were corrected to set an appropriate title when displaying their Properties.

[MIS-530] Mapping “RETURN” table has unexpected table scrolling results.

Keyword(s): SAP, RFC, Run-time

The SAP RFC run-time resets the “RETURN” table to the first record after checking for errors. Previously, the record count field displayed “-3/<records>” because the “RETURN” table was in an EOF state.

[MIS-538] Deleting mapped screen does not delete associated mapping information for SAP Dialog add-in.

Keyword(s): SAP, Dialog, Design-time

The SAP Dialog add-in properly cleans up the embedded XML when a screen that is mapped is deleted. Previously, deleting a screen which has mapped fields failed to clean up the XML mapping information.

[MIS-539] Deleting a mapped screen using the SAP RFC add-in does not delete associated mapping information.

Keyword(s): SAP, RFC, Design

The SAP RFC add-in has been corrected to properly clean up the embedded XML when the screen that was previously mapped is deleted. Previously, deleting a screen which has mapped fields failed to clean up the XML mapping information.

[MIS-540] Deleting a mapped screen using the SAP GUI add-in does not delete associated mapping information.

Keyword(s): SAP, GUI, Design-time

The SAP GUI add-in has been corrected to properly clean up the embedded XML when the screen that was previously mapped is deleted. Previously, deleting a screen which has mapped fields failed to clean up the XML mapping information.

[MIS-541] SAP Table add-in does not allow a deleted field to be re-mapped.

Keyword(s): SAP Table, Design-time

The SAP Table add-in allows a user to drag and drop a field that had been previously mapped and then deleted. Previously, if a mapped field was deleted, no subsequent drag/drop was allowed for that field.

[MIS-544] Menu Builder wizard crashes if more than 8 transactions linked to menu.

Keyword(s): Menu, Design-time

The Menu Builder wizard no longer crashes when there are more than 8 transactions linked to the menu. It does not allow more than 8 transactions.

[MIS-545] Transaction Designer is disabled if there is no license for SAP add-ins.

Keyword(s): Transaction Designer

The Transaction Designer starts if the machine is licensed for development but not for SAP tools. Previously, the Transaction Designer would not start if a license existed for development but not for SAP tools.

[MIS-546] Database Queries add-in is disabled if there is no license for the SAP add-ins.

Keyword(s): Transaction Designer

The Transaction Designer displays the Database Queries add-in tool even if the SAP tools are not licensed.

[MIS-547] SAP GUI libraries do not provide ability to scroll some tables programmatically.

Keyword(s): SAP, GUI, API, Run-time

The TeklogixSapAutoGui2 and ptisgGUILIB libraries have been extended to allow certain SAP GUI tables to be scrolled programmatically. Previously, the libraries did not allow the table in the VL03N transaction to be scrolled.

[MIS-549] Transaction Designer crashes when moving visible field and screen has “off-screen” fields, too.

Keyword(s): Transaction Designer

The Transaction Designer no longer exits unexpectedly (i.e., crashes) when any fields are not visible (i.e., off-screen fields) and a field that is visible is moved.

[MIS-550] The SAP RFC add-in does not allow all parameter types to be shared with existing screen fields.

Keyword(s): SAP, RFC, Design-time

The SAP RFC add-in allows all RFC fields to be dragged and dropped onto existing fields on the screen. Previously, only RFC table fields were allowed to be mapped to existing fields on the screen.

[MIS-551] Database Queries add-in cause unhandled exception when dragging and dropping gutter.

Keyword(s): Database Queries, Design-time

The Database Queries add-in does not display an “unhandled exception” when dragging and dropping the gutter to the screen.

[MIS-553] SAP.GUI add-in does not remove mapping information when un-mapping “Action Key”.

Keyword(s): SAP, GUI, Design-time

The SAP GUI add-in correctly removes mapping information when un-mapping an “Action Key”.

[MIS-560] SAP/Replicator snap-in missing online documentation for SAP properties.

Keyword(s): SAP, Replicator, Admin

The SAP/Replicator administrative snap-in shows the SAP properties in the online help.

[MIS-562] Database/Data Browser snap-in cause unhandled exception when adding “Child Table”.

Keyword(s): Database Browser, Admin

The Database/Data Browser administrative snap-in does not display an “unhandled exception” dialog when adding a “Child Table”.

[MIS-565] SAP/Replicator snap-in displays incorrect context menu after deleting schedule.

Keyword(s): SAP, Replicator, Admin

The SAP/Replicator administrative snap-in displays the correct context menu immediately following the removal of a Replicator schedule.

[MIS-567] Transaction Set Designer crashes when building menu having the same transaction linked twice.

Keyword(s): Menu, Design-time

The Transaction Set Designer disallows linking the same transaction twice to one menu. Previously, having multiple occurrences of same transaction linked to a menu caused the wizard to crash with the error “This key is already associated with an element of this collection”.

[MIS-570] Transaction Designer fails to save all field properties correctly.

Keyword(s): Transaction Designer

The Transaction Designer saves all field properties correctly. Previously, if a field’s properties were set to a “non-default” setting, there was no way to return it to the “default” setting.

[MIS-571] Transaction Designer adding unnecessary XML tags when performing copy and paste.

Keyword(s): Transaction Designer

The Transaction Designer no longer adds unnecessary XML tags when Copy and Paste is performed.

[MIS-573] Code snippets are difficult to debug because the code is on the same line.

Keyword(s): Run-time

Some of the scripted libraries (i.e., ptisg\*.vbs) contain run-time constructed code snippets that are executed dynamically. These code snippets have been changed to replace the statement separator character “.” with a line feed to make it easier to debug.

[MIS-583] Renaming table fields cause errors.

Keyword(s): Transaction Designer

The Transaction Designer does not raise errors when renaming a table field.

[MIS-584] SAP.Dialog run-time fails to post if no fields are mapped.

Keyword(s): SAP, Dialog, Run-time

The SAP Dialog run-time handles the case of no mapped fields. Previously, a transaction would fail to post because of missing fields recorded screens.

[MIS-585] SAP GUI cursor is not always set the push-button at run-time.

Keyword(s): SAP, GUI, Run-time

The SAP GUI run-time ensures that for a push-button action, the cursor is placed on the corresponding SAP control.

[MIS-586] SAP.GUI run-time does not handle case of screen object set to Nothing.

Keyword(s): SAP, GUI, Run-time

The SAP GUI run-time handles the possibility that this screen is Nothing

[MIS-587] SAP.GUI run-time uses incorrect method names when raising errors.

Keyword(s): SAP, GUI, Run-time

The SAP GUI run-time no longer has misspelled method names when raising an error.

[MIS-588] SAP.RFC run-time does not handle if connection is not open.

Keyword(s): SAP, RFC, Run-time

The scripted libraries have been improved to handle the case where the connection has not completed yet. As well, this library has been improved to refresh the Recordset in the case where the Recordset has changed but the screen has not.

[MIS-589] Transaction mapping run-time does not handle the case if more than one column is referencing same Recordset field.

Keyword(s): Table, Recordset, Run-time

The Transaction mapping run-time handles the possibility that more than one column is referencing the same Recordset field.

[MIS-595] Terminal could be stuck in LOCK-H if unhandled error is raised in “EventHandler” method call.

Keyword(s): Run-time

The run-time handles errors raised while in an “EventHandler”. Previously, the terminal might remain in a LOCK-H state when an error is raised in script code.

[MIS-596] Transaction Designer does not correctly rename the field when the table field name is “ROW1”.

Keyword(s): Transaction Designer

The Transaction Designer correctly handles renaming a table field with a value of “ROW1” to “ROW1ROW1”. Previously, renaming a field to “ROW1” changed the field to be a non-table field.

[MIS-599] Long text labels created by Menu Builder wizard cause TEKSIM errors at run-time.

Keyword(s): Menu, Design-time

The Menu Build wizard sets the fields to “Full Width” so that errors do not occur when displaying long label fields on the TEKSIM terminal emulator.

[MIS-602] Transaction Designer incorrectly changes file format type.

Keyword(s): Transaction Designer

The Transaction Designer correctly saves all new transactions in the new format (i.e., \*.TRX). Previously, if a user cancels a “Save As...” action and then follows this with a “Save” action, the Transaction Designer incorrectly informs the user that the transaction is in the old format.

## **Includes Improvements from 3.0 SP1**

[MIS-403] Creating a new Menu transaction is different from creating a new non-Menu transaction.

Keyword(s): Menu, Design-time

Creating a new Menu transaction behaves the same as creating a new non-Menu transaction. Specifically, it adds a node to the tree-view under Menu and places it in change mode so that the user can set the name of the transaction.

[MIS-561] License documentation should include more information.

Keyword(s): Documentation

The License documentation mentions that licenses are machine specific.

[MIS-568] Cannot resize “RFC Properties” dialog.

Keyword(s): SAP, RFC, Design-time

The “RFC Properties” dialog allows the dialog window to be resized.

[MIS-569] TekTelnet is missing some ability to improve its performance.

Keyword(s): TekTelnet, Run-time, Admin

The TekTelnet administrative snap-in allows the “TCP No Delay Enabled” option to be changed and an “Initialization” string to be set for each terminal range. The TekTelnet run-time uses these new settings. As well, the TekTelnet run-time handles the case where more than one escape sequence is sent in a single packet.

[MIS-580] There is missing documentation from some administrative tasks.

Keyword(s): Documentation

Online help documentation is available (i.e., press F1) from the Queue Browse dialogs and the Trace Monitor dialog.

[MIS-581] There is missing documentation from Outbound Agent Wizard administrative tasks.

Keyword(s): Documentation

Online help documentation is available (i.e., press F1) from the Outbound Agent Wizard dialog.

[MIS-594] Database Queries add-in cannot be resized.

Keyword(s): Database Queries, Design-time

The “Database Lookup” dialog allows the dialog window to be resized.