CA Plex r7.1 Fix Note

Overview

This document provides bug fixes and enhancements to the CA Plex r7.1 tool and runtimes.

Fix List

In many cases additional documentation may be available by clicking the links below to the corresponding problem on CA Support Online (requires CA Support login).

Plex r7.0 fixes included in r7.1

Problem / Issue Number	Description	Tool	WinC	Win NTC	Java	.NET	IBM i	Gen?
(038.008)								
2194	Fix to handle focus properly with Currency field after enter Key press instead of clicking default button.					✔		
2200	Fix to prevent memory leak for .Net client on closing MDI child window.					✔		
2203	Fix to generate Resource name property for Grid Control.					✔		✔
2205	Fix to Shift + Tab key works for .NET client Combo box after moving multiple MDI child panels.					✔		
2206	Fix to handle external java clients from corrupting the active client connection count in Java dispatcher.				✔			
2207	Improve .NET System message to have a common Message ID [PLEX9999], this gives users to filtering the messages at deployment time.					✔		
2208	Fix to make a look and feel of Static Type Group as the same as WinC client.					✔		
2209	Fix to improve WPF application performance on saving/loading panel settings.					✔		
2212	Fix to avoid WPF client application termination with Delete/Del key in case keyboard event is mapped to close event and no key code is assigned for keyboard event.					✔		

ID	Description							
2217	Fix for firing key codes properly from WPF child panels.					✓		
2218	Fix to add a padding on .NET client Grid Cell, this improving the Grid data readability.					✓		✓
2220	Fix to prevent Memory leak for .NET client when MDI child function has a Grid control.					✓		
2221	Expanding Japanese GXT table to support character between x874X to x879X.						✓	
2223	Fix to prevent Menu control ID duplication when Menu has Menu ID property set. The Menu ID property is generated to panelresource file as a result of this fix.	✓			✓			✓
2226	Fix to improve .NET client Grid record loading when the Grid has Fixed Top and Bottom property set YES and the panel is resizable.					✓		
(038.007)								
2107	Fix to prevent data update failure for WINC/WINNTC data access. The error cause is when comparing previous record image and new image.		✓	✓				
2120	Fix to .NET client to load Combo/List Box dynamically with External/Internal Value pair via API calls. Please refer problem record description for more details.					✓		
2123	New WINNTC CALL graph trace messages added to determine which of those functions could be causing a performance bottleneck.			✓				
2183	Fix to activate dialog window with correct owner window so that dialog window will be always on top.					✓		
2195	Fix to save Grid Column information (Width and Column Sequence) only they are changed by an end user. Before they were always saved even no changes are made for a Grid by an end user.					✓		
2196	Fix to trigger Modified Event from .NET WPF Editable Combo Box in case of the Combo Box text is modified.					✓		✓
2211	Fix to improve .NET Message Log Window usability by having independent Task bar Icon always. So user can show the message easier.					✓		
2214	Fix to prevent .NET SQL database access exception and returns correct records and Date data, in case of The Date field is used as key field.					✓		

2215	Fix to handle Grid cell data update by clicking on toolbar button in java client application.				✔			
2216	Fix to resolve the problem coming during java window close when the package name has underscore (_) characters.				✔			
(038.006)								
2189	Implement Invalid Date state flag for DatePicker control on WPF UI and ObDateFld to distinguish Empty Date value and Invalid Date value, also sending Date data 99999999 to IBM i server in case of Invalid state flag is on to make the .NET behavior similar with C++.					✔		
2192	Fix to improve performance using Set State AD statement against Gird Field for .NET client.					✔		
2193	To improve a .NET WPF Grid scrolling performance change the property IsDeferredScrollingEnabled against Grid control					✔		
2197	Fix to prevent .NET WPF Message Log Window crash in case of the Message Log Window is the last Window left open and clicking the messages.					✔		
2199	Fix to prevent .NET WPF DatePicker control value reset to Empty in case of the DatePicker Control has an Update Event defined.					✔		
(038.005)								
1860	Fix to handle to fire update event on edit control lost focus on clicking CodeJock commandbar button.		✔					
2000	Added .Net diagnostic messages to help Plex developer to correct errors.					✔		
2014	Fix to avoid Plex GPF and report error for invalid target object specified for "...of TRP" verb.	✔						
2017	Support added to WinC static control to display image with a transparent background.		✔					
2036	Enhancement to store Packager Tool settings and information with local model considering multi-user environments. For more information please refer problem record.	✔						
2059	Fix to Generate the locally defined JavaBean Class Name Property instead of registered JavaBean class name.	✔						✔

ID	Description								
2060	Fix to handle fixed decimal casting in Italian (Italy) locale.		✓						
2064	Fix to generate the unique state id for Panel events.	✓							✓
2078	Fix to display checkbox background color to fill Grid cell on .NET WPF UI.						✓		
2083	Fix to support more than 30P9 numeric field length as well as 32A text field length while casting string to numeric and vice versa in RPGIV using YOBCASTNEX and YOBCASTAEX APIs.	✓						✓	✓
2086	Fix to avoid RPGIV compiler errors (RNF7262, RNF7017) in case of function has an Array or multi dimension array with Unicode data type.	✓						✓	✓
2087	Fix to generate unique CALL graph record to avoid runtime exception.						✓		
2089	Fix to avoid Plex C# generation crash if an ARRAY element is not REAL and READONLY.	✓							
2091	Fix to prevent RPGIV compile error RNF7262 when the function has an Action Diagram statement that sets the Value to the Unicode data type array field.	✓						✓	✓
2092	Fix to make the GRID cell commit upon clicking the toolbar button.						✓		
2093	Improved Error handling in WPF.	✓					✓		✓
2094	Fix to support connection string parameter in WinNTC.			✓					
2095	Fix to avoid access violation when ExecSQL statement is prepared with long long integer fields.	✓	✓	✓					✓
2097	Fix to keep the message log open till the parent window gets closed.						✓		
2098	Keyboard Data entry Improvements for .NET WPF Date Picker Control.						✓		

2102	Fix to not to display '_' underscore character for Fly Over Hint of Menu or Toolbar button.	✓				✓		✓
2103	.Net client configuration option 'LogOnInfoSaveOption' added to allow application administrator to control which fields on IBM-I Log On to be saved to configuration file at runtime. Please refer problem record description for more details.					✓		
2104	Fix to save WPF message log to %TEMP% folder.					✓		
2108	Data entry improvement for Edit field with numeric data type with decimal points.					✓		
2109	Fix to generate correct SELECT SQL for multiple table joins.	✓	✓	✓				✓
2110	Fix to avoid grid field VISIBLE property being set to NO on newly created Panel under certain circumstances.	✓						
2111	Fix to make .NET WPF Menu control Checked property worked as WINC.	✓				✓		✓
2112	Fix to allow changing the state of Checkbox on an editable grid with 2 clicks instead of 3 clicks.					✓		
2113	Fix to report appropriate errors in case of setting set statement attributes against an ODBC DSN.		✓	✓				
2114	Fix to replace existing value when SetUserConfigValue() API used.					✓		
2115	Fix to avoid compilation error C2678 due to Action Diagram CONCATE statement used with if/else or case statements.	✓	✓	✓				✓
2116	Enhancement to the menu item ordering. Please refer problem record description for more details.	✓						

2118	Fix to handle .NET WPF TRIGGER event to fire logical event to the specific function.						✓		
2119	.NET WPF message and message log improvements. Please refer problem record for more details.						✓		
2121	Fix to move focus with tab key properly when invisible columns are in WPF GRID.						✓		
2124	Added functionality of Tab Stop property for WPF GRID.	✓					✓		✓
2125	Fix to resolve Check box border problem when displayed in GRID.						✓		
2126	Fix to avoid modifying Read Only combo box content by Tab press followed by arrow keys.						✓		
2127	Fix to handle to get correct database fetched values in case of database column is defined as a 64-bit integer (C type long_long, SQL type big_int) and is also defined with a NULL value.		✓						
2128	Fix to generate unique menu ID with JAVA generator.	✓			✓				✓
2129	Fix to handle to prepare correct mail attachments in case of sending multiple mails with same MAPI session.		✓						
2130	Fix to enable to not mark Action Diagram CALL statements changed to current configuration level with Action Opening. Find Object (F3) still marks CALLS changed to current configuration level. By default F3 marks CALL statements changed to current configuration level; to disable the same with F3 - need to set the following Plex.INI entry: [Action Diagrammer] AD Variable Resynch with F3=0	✓							
2132	Fix to handle Key codes handling with WPF CHILD Panels.						✓		

2133	Fix to handle double click event while scrolling List Box to avoid panel close event.					✔		
2134	Fix to handle .NET WPF SHOW/HIDE GRID column with SETSTATE.	✔				✔		✔
2135	Fix to remove the trailing space between fields concatenated using C# Format Message.					✔		
2138	Fix to make UNICODE field visible in RPG report, in case of using 'FLD printed as FLD' verb where target field is Non-Unicode.	✔					✔	✔
2139	Fix to resolve Tab Item selection problem when Double click on GRID to open MDI child.					✔		
2140	Fix to handle WinC application crash on scrolling beyond 128 column of grid.		✔					
2143	Fix to handle the inactive logical event should not be handled when non-Plex application is triggered such event.		✔					
2144	Fix to not trigger filtering on server side in case of Date field with Filter without setting value.					✔		
2145	Fix to make the ObRunJavaBeans API similar to pvAll.				✔			
2146	Fix to RPGIV SUBSTRING statement with UNICODE field.	✔					✔	✔
2148	Fix to make LOCATE GRID functionality for WPF Grid.					✔		
2151	Fix to resolve the problem in invoking Updated event for Date Picker control in WPF.					✔		
2152	Fix to resolve the Focus to initial tab problem.					✔		
2154	Fix to handle Arrow keys handling with .Net WPF menu.					✔		

2155	Fix to suppress the lost focus event from mouse hovered over combo box dropped down values.					✓		
2156	Fix to resolve the alignment issue during the display of MDI children being displayed as tiling vertically.					✓		
2157	Fix to handle .Net client edit controls input based on CASE property set to Upper or Lower and PASSWORD property set to Yes.					✓		
2158	Fix to avoid firing update event in edit control (numeric field having decimal places) with certain edit masks without any change in value when tabbing in/out of edit control.					✓		
2160	Fix to handle Plex Model API SETPROPERTYTEXT to set provided text to Plex object.	✓						
2162	Fix to handle CAST operation under different cultures.					✓		
2163	Fix to handle invisible column in .NET WPF grid.					✓		
2164	.NET WPF GRID COLUMN DATE WITH EMPTY ROW AND REST					✓		
2165	Fix to prevent crash when I-series log on screen gets cancelled.					✓		
2166	Fix to handle Plex RPG generator crash due to long narrative text (more than 255 characters) referenced from TEXT STATEMENT.	✓						
2167	Fix to make the message log responding to mouse click when opened during the initialization of the Dialog window.					✓		
2168	Fix to prevent the exception when clicked on Grid where there is a space not filled with records.				✓			
2169	Fix for Empty date display for protected date fields.					✓		

2170	Fix to handle StackOverFlowException due to problem fix 2164.					✓		
2172	Fix to resolve application hang when function call fails in WPF application.	✓				✓		✓
2173	Fix to handle to save grid column information hosted on WPF child panels in case of 'Save Placement' property set to 'Yes'.					✓		
2174	Fix to suppress unnecessary scroll event resulting from Set State Grid statement.					✓		
2176	Fix to suppress the update event triggered when the date has not modified in Date control on WPF client.					✓		
2177	Fix to make Grid mouse right click to open context menu and selection as well.					✓		
2179	Fix to raise the mouse double click event functionality in WPF GRID for valid cases only.					✓		
2180	Fix to handle loss of Fixed Decimal data when culture is Polish (pl-PL) or German (de-DE) languages.	✓				✓		✓
2182	Fix to resolve Grid Selection background and foreground mix problem in WPF.					✓		
2184	Fix to handle Shift+Tab navigations having couple of enterable combo boxes in WPF panel.					✓		
2185	Fix to not share parameter between functions.	✓				✓		✓
2187	Fix to handle Plex crash on extracting host group model. This is side effect of problem #1730 fix.	✓						
2188	Fix to load the function from configured assembly when the culture is Polish.					✓		

ID	Description							
2190	Fix to avoid Plex generator crash while generating format message having parameter text length greater than 255 characters.	✓						
2191	Fix for loading correct SSL Provider for implementing SSL Java dispatcher.				✓			
2198	Fix to resolve Java normal character fields behaving as Unicode characters and taking up additional length in database.				✓			
	CA Plex r6.1 PTF033 Merge							
	CA Plex r6.1 PTF034 Merge							
	CA Plex r6.1 PTF035 Merge							
	CA Plex r6.1 PTF036 Merge							
	CA Plex r6.1 PTF037 Merge							
(038.004)								
2042	Re-enablement of license checks in the CA Plex IDE.	✓						
(038.003)								
2090	Fix to resolve C# Client compile error if a date or combo box field displayed on a Grid column has Lost or Gained focus events associated with it.					✓		
2084	Fix for EditDetail function to enable the the Grid Refresh to reset the Detail Region with the selected grid row.					✓		
2081	Fix to prevent Plex generator crash when generating PRTF with Unicode fields and the functions scoped name full length is longer than 100 characters.						✓	✓
2080	Fix to make System Menu property work for C# Client panel windows.					✓		
2079	Fix to avoid ArgumentOutOfRangeException when starting a C# Client function with grid, in cases where the saved grid column information is outdated.					✓		
2077	Fix to generate C# code for <Set State Event> in all cases.					✓		

2076	Fix to make Combo Box and Date Picker Read Only modes work as expected in C# Client panels.					✓		✓	
2075	Fix to prevent RPGIV function compile error with CONCAT statement with Unicode.						✓	✓	
2072	Fix to present Edit Box Border NONE setting on C# Client panel.					✓			
2071	Fix to the Locate statement for C# Client panel Dynamic loaded Combo/List Boxes.					✓			
2068	Fix to set the negative value of editable fields correctly under certain circumstances.					✓			
2065	Fix to make the LostFocus event and subsequent ++If Focus check behavior of C# Client match WinC runtime.					✓		✓	
2063	Fix to enable the Case property on C# Client panel editable Combo Box controls.					✓		✓	
2062	Fix to display am/pm (Or local text on non-English Culture) for C# Client panel Time fields, in case of the control has no edit mask and System Default mask has 'tt'.					✓			
2055	Fix to enable C# Client panel Grid column heading text resizing when resizing the grid column width.					✓			
2054	Fix to return false in an ++If Editable AD check when the control isn't visible on a C# Clientpanel.					✓			
2053	Fix to open C# Client MDI Child function opens as MDI Child when it is called with the following call graph: MDI→MDI Child→Dialog→MDI Child.					✓			
2050	.NET C# Client allows Panel close within Query Close Handler.					✓		✓	
(038.002)									
2052	Fix to resolve runtime WCF Service Connector operation call errors when WCF Service is hosted in IIS.	✓				✓		✓	
2051	Fix to resolve runtime errors when generating panels containing over 999 controls.	✓				✓		✓	
2049	Fix to resolve ArgumentException when displaying a date value in a grid where the edit mask is different from your locale settings.					✓			

2048	Enhancement to DatePicker control rendering in .NET Client. The calendar popup button is now only displayed when edit boxes containing date values gain focus.						✓		
2047	Fix to resolve XamlParseException when calling .NET Client panels that display blank values and labels.	✓					✓		✓
2046	Fix to resolve Status Message display issues when Log Messages are triggered from a menu or toolbar event, or on tabbing between MDI child panels.						✓		
2045	Fix to resolve NullReferenceException when using the Get, ++If Focus or ++If Editable AD statements against a password edit box in a C# Client function before the Events Handler AD construct.						✓		
2044	Fix to change protected and inactive toolbar buttons to grey.						✓		
2043	Fix to resolve Lost Focus event being fired when a pop-up message is displayed for a .NET Client panel.						✓		
2042	Enhancement to remove license key checks for the main Plex IDE and generators.	✓							
2041	Fix to allow the display of menus and toolbars for splitter panes in .NET Client applications.						✓		
2040	Fix to resolve If Focus AD statement not working against date picker edit boxes in C# Client functions.						✓		
2039	Fix to resolve C# to IBM i varchar data transfer error when the field data is longer than the design length of the field in the RPG400 or RPGIV function.						✓	✓	
2038	Fix to resolve UiElementMeasureException when a push button has all its fix top/bottom/left/right proeprties set to Yes.						✓		
2037	Fix to improve selection of dynamically added combo or list box items when an AD Put statement is executed in a C# Client function.						✓		
2035	Fix to handle Plex crash on selecting Object Details dialog (F11) for objects of type Panel.	✓							
2036	Enhancement to store Packager Tool settings and information with local model considering multi-user environments. For more information please refer problem record.	✓							

2034	Fix to resolve 64-bit integer compile errors in on wrappers generated for imported COM objects.	✓	✓	✓				✓
2033	A new option has been added to the Code Library run properties called Invoke Build (true/false). For more information please refer to the problem record.	✓						
2032	Improvement to the rendering of date picker controls on edit boxes that display date values.					✓		
2031	Fix to correct Gained Focus panel event behavior in C# Client functions.					✓		
2030	Fix to resolve NullReferenceException when using the Get, ++If Focus or ++If Editable AD statements against a spin control in a C# Client function before the Events Handler AD construct.					✓		
2028	Performance improvement when running C# to IBM i communications via the YOBSYTCP ('old style') dispatcher.					✓	✓	
2027	Enhancements to the display of date values displayed in date picker edit boxes in C# Client functions.					✓		
2026	Enhancements to Set Focus, If Focus, If Focused and If Editable AD statements for C# Client combo-box and list-box controls.					✓		
2025	Fix to correct an InvalidOperationException when setting a hidden grid column back to visible in the C# Client runtime.					✓		
2024	Fix to correct the button text on the Packager Tool Code Library Wizard details dialog box.	✓						
2023	Fix to avoid the Modified event being fired on an edit box when the AD Put statement is executed.					✓		
2022	Fix to resolve loss of decimal data when performing compound arithmetic operations in functions generated as C#.					✓		
2021	Fix to allow the For Each Selected AD statement to work correctly in a C# Client function when executed before the Event Handler AD construct.					✓		
2020	Fix to avoid a RowNotFoundException occurring in the C# Client runtime when row selection logic is added in the Action Diagram.					✓		
2019	Fix to set the Background color of a drop-down combo box correctly in C# Client.					✓		
2016	Fix to resolve ObjectReferenceNotSetException in C# Client runtime when a C# UI function calls a C# non-UI function, which in turn calls a C# UI function.					✓		
2015	Fix to resolve C# Client MDI Parent not closing MDI Child panels correctly on exit.					✓		

2013	Fix to set the background color property correctly in the C# Client date picker control.					✔		
2012	Fix to make the window background color and static boarder contrast in situations where they are defined as the same color in the C# Client App.xaml file.					✔		
2011	Fix to resolve erroneous grid control Changed events being fired when moving between cells in a .NET Client grid control.					✔		
2010	Fix to suppress the grid change event on a non-editable C# Client grid.					✔		
2009	Fix to allow the use of function keys (e.g. F1, F2) on C# Client edit boxes that contain numeric data.					✔		
2005	Fix to improve Put Action Diagram statement handling for editable combo boxes in C# Client runtime.					✔		
2004	Enhancement to improve diagnostic messages produced when there is a mismatch between a C# Client and IBM i/Java/C# Server function call.					✔		
2003	Fix to resolve NullReferenceException in C# Client functions that contain push buttons with no text or image at design time.					✔		
2001	Fix to resolve NullReferenceException in C# Client functions that set the value of date fields to an explicit value before the Event Handler AD construct.					✔		
2000	Enhancements to diagnostic error messages reported in the C# Client runtime. Please see the knowledge base article for further details.					✔		
1998	Fix to resolve RTF file generation issues with paragraphs of over 255 characters.	✔						✔
1997	Explanation of differences between WinC and C# Client Enquiry, Dialog and Log messages.					✔		
1995	Fix to resolve InvalidCastException in certain C# Functions that call the Set State Action Diagram statement on a grid row.					✔		
1996	Fix to prevent ghost shadow objects extraction in local model coming from host group model's attached library. Warning message will be reported for such objects. This fix is controlled by a Plex.ini option; please refer to the problem record for more details.	✔						
1994	Explanation of differences between WinC and C# Client dialog rendering of menu bars, tool bars and status bars.					✔		
1993	Fix to resolve IndexOutOfRangeException in C# Client functions that contain grid row selection logic before the Event Handler AD construct.					✔		
1992	Improvement to the C# Client rendering of push buttons containing text and images.					✔		

1991	Fix to resolve Java runtime null pointer exceptions occurring when an MDI Parent and MDI Child share the same key codes.				✓			
1990	Fix to allow C# Client functions to load images from network shares.					✓		
1989	Fix to allow C# Client functions to be included in Code Libraries with a CDL net type SYS/Module triple.					✓		
1988	Improvements to the C# Client IBM i sign-on dialog layout.					✓		
1987	Fix to resolve C# Client runtime exception when a 3-state check box is used on a field that only contains two values.					✓		✓
1986	Explanation of C# Client numeric edit field focus behavior.					✓		
1985	Explanation of C# Client grid scrollbar double-click behavior.					✓		
1983	Fixes to improve overall C# Client application performance. Please see the problem record for a list of improvements.					✓		✓
1982	Fix to avoid exception when calling the following Action Diagram statements on invisible grid rows and cells: • Set Focus • If Focus • If Editable					✓		
1981	Improvement to C# Client default Button and Static control rendering.					✓		
1980	Explanation of C# Client grid row selection behavior.					✓		
1977	Fix to resolve C# Client grid runtime exception when setting the Exist = No property for columns and regenerating the client function.					✓		✓
1976	How to fix C# Client to IBM i Server communication issues resulting from empty dates (01-01-0001) being passed from the client.					✓	✓	✓
1975	C# Client Save Window Placement improvements for grid column lengths.					✓		
1972	Fix to avoid RNF7408 compile failure in RPGIV functions that have a field defined with an AS400 format SYS Binary and length defined other than 4 or 9						✓	
1971	Fix to launch C# client application from remote share.					✓		
1970	Fix to avoid Action Diagram Get statement failure on C# Client combo boxes for fields that do not scope any values.					✓		
1969	Fix to avoid the generation of empty if() statements in the C# generators that cause CS1525 and CS1026 compile errors.	✓				✓		✓
1968	Fix to suppress unnecessary IBM-I dispatcher messages.						✓	

1963	Fix to resolve Action Diagram Debugger mouse wheel scrolling errors.	✔						
1961	Fix to improve Push Button text and image alignment issues on C# Client panels.				✔			
1958	Fix to handle PlexAPI methods Build() and BuildEnumObjects() when wait flag set to true, WinC & WinNTC build system should wait until Visual Studio completes the build requests.	✔						
1943	Enhancement to .Net client generator to generate a UID for each control within the panel XAML. The generated UIDs for each control can be used in order to uniquely identify each control in your panel design at runtime when the panel is inspected in your QA Automation tool. For more information please refer to the problem record.	✔						✔
1915	Fix to preserve the earlier level's manual field-level parameter mapping in a multi-level and version environment.	✔						
(038.001)								
1883	Fix to correct exception when calling an invalid function type from an internal RPG400/RPGIV function.	✔						
1908	Fix to resolve hang when maximizing a C# Client MDI Parent with an MDI Child containing a grid.				✔			
1909	Resolved various C# Client generator issues, see problem record for more details.				✔			✔
1918	Miscellaneous CA Plex r7.0 new feature fixes introduced as part of CA Plex r7.0 Japanese project (Packager Tool, WPF Client and IBM i DBCS support). See problem record for more details.	✔			✔	✔		✔
1925	Clarified misleading error message during WinC/WinNTC generation of fields with AS400 type SYS/UNICODE.	✔						
1926	Fix to exclude Visual Studio generated *.g.i.cs source files (generated for C# Client functions) from MSBuild projects generated from Plex.	✔			✔			
1934	Fix to resolve 'Use Windows 95/NT 4.0 Panel Defaults' not working at CA Plex r7.0.	✔	✔					
1936	New C# runtime API added to set the default connection location for each server platform. See problem record for more details on the syntax of the API.				✔			
1945	Fix to import the correct name for a web service if it exceeds 32 characters.	✔			✔			

1927	Fix to correct the implementation language reported on the following warning "Function <internal function name> language SYS is not RPG. Defaulting to Language RPG400/RPGIV".	✔						
1903	Fix to prevent Panel *.pnl is always compiled as Debug	✔						
1913	NET Package (namespace) generation issues	✔						✔
1919	New PlexAPI methods ENUMOBJATTRIBUTES and ENUMSAFEARRAYOBJATTRIBUTES are added	✔						
1920	Fix to prevent exception when importing Web Service	✔						
1924	Fix to prevent exception when showing Dialog message from non UI Java function				✔			
1931	Fix to prevent memory leak when generation C# or Java functions	✔						
1932	Fix to prevent packager tool duplicated objects error	✔						
1942	Fix to generates C# using <namespace> statement in correct structure	✔						✔
1944	Fix to prevent memory leak for PLEXAPI ENUMOBJECTS	✔						
1946	Improve .NET runtime IP address look up logic when the IP address is specified for Server name					✔		

Plex r6.1 fixes included in r7.1

Problem / Issue Number	Description	Tool	WinC	Win NTC	Java	.NET	IBM i	Gen?
(043.037)								
2069	Fix to close java UI function by clicking right top corner 'X' button in case of no 'Query Close' event is defined.				✔			
2067	Fix to display structured fields that contain array data on a panel correctly.	✔	✔		✔		✔	✔
2066	Fix to return Rows after SELECT SQL statement is executed with EXECSQL Action Diagram statement.		✔	✔				
2061	Fix to prevent NullPointerException Java UI function with Grid control				✔			
(043.036)								
2042	Enhancement to remove license key checks for the main Plex IDE and generators.	✔						
2018	Fix to restore Inheritance Browser palette windows to their correct location when the palette is positioned at the bottom of the screen.	✔						
(043.035)								
2011	Fix to resolve Plex IDE performance issues when opening the Generate and Build window in instances where the My Documents folder is located on a network.	✔						
2007	Fix to resolve Plex generation crash when generating Java functions.	✔			✔			
2006	Fix to resolve focus problem on read-only combo boxes in WinC runtime.		✔					
1999	Fix to resolve Action Diagram cut and paste failure	✔						
1984	Fix to resolve group model extract issue with circular object references.	✔						

1979	Fix to resolve multiline edit control data entry bug in the WinC runtime.		✓					
1978	Fix to import correct Data type with COM Import when data type is SAFEARRAY (i.e. VT_ARRAY | VT_UI1).	✓						
1974	Fix to handle Key Code event correctly between MDI parent and Child panel.				✓			
1973	Fix to generate correct alias name (T1 or T2) for SQL command string for the function that uses a View which Type is TableAccess.	✓						✓
1965	Fix to resolve Action Diagram parser errors when a COM object reference field has the same name as another object in the model.	✓						
1960	Prevent to generate duplicated field name to the source file.	✓						✓
1957	Fix to Grid Row Selection problem caused by fix of 1839.		✓					
1950	Fix to display Combo Box drop down at right place on a grid control under Dual Monitor environment.	✓	✓					
1948	Fix to Generate the locally defined JavaBean Class Name Property instead of registered JavaBean class name.	✓						✓
1941	Fix to work the C++ build Option "Force build of all selected Objects" as described in the PLEX help documentation.	✓						
1940	Fix to return "INF" when EXECSQL with "SELECT" statement is used for Oracle and results select 0 records.		✓					
1939	New property "SaveLoginInfo" is added for IBM i Location settings. By setting Value "No" you can hide checkboxes to save IBM i log in information.				✓			
1938	Prevent WinC application crashed due to hitting GDI objects count limits.		✓					
1937	Fix to prevent crash Plex WinC UI with Codejock control.		✓					
1935	Fix to issue meaningful message when generating C++ function calls Internal C++ function with location defined.	✓						

1933	Fix to read Fixed Decimal data from Oracle DB correctly. This was side effect of FIX of 1798 and 1723.			✓					
1930	Fix to trigger Update event Before consuming Default Button Event.				✓				
1929	Fix to reflect the function parameter generation order after changing parameter definition triples for the function.	✓							
1923	Enable suppress the error dialog messages when Failover switching is enabled for System I connection.		✓						
1922	Prevent an Exception when closing Java MDI hosted as an Applet.				✓				
1921	Fix to grid sort works correctly in case of the column has an edit mask.		✓						
1919	New PlexAPi are added GetObjSurrogate, EnumObjectAttributes and EnumSafearrayObjectAttributes.	✓							
1917	Fix to refresh EDRAW OfficeViewer ActiveX content after moving or resizing Plex WinC hosting panel.		✓						
1916	Fix to preserve the dragged AD statement which is dropped to Action Diagram Parser.	✓							
1912	Fix to correctly import Triple with XML Import is the target of the Triple is Triple and it exist in the model already.	✓							
1911	WinC UI with Length 1 Fixed Decimal allows length 2 value. Side effect of fix 1712.		✓						✓
1900	Prevent to crash when two WinNT internal server functions shares a view at runtime.			✓					
(043.034)									
1949	Fix to resolve Source Code API call Parameter generation issue introduced by Fix 1915. The fix at PTF 034 is removing the fix for 1915.	✓							

(043.033)								
1915	Fix to resolve Action Diagram parameter mapping issue between levels and versions.	✓						
1862	Remove duplicate regions created at a higher level and version from a panel during opening in the panel designer.	✓						
1914	RPG400 and RPGIV not generating the correct syntax when marshaling dual Multiple Occurrence Variables.	✓					✓	✓
1910	Fix to handle to release the bitmap (image, icon) resources to avoid high number of GDI counts (leads into app crash).		✓					
1907	Fix to invoke condition based invocation of ValueChange event on Java GRID. So now when a horizontal scroll occurs for a Grid control, the Select event will not be erroneously fired.				✓			
1906	Fix to stop invocation of key event while closing the pop up with enter key.				✓			
1905	Fix to invoke the modified event for the radio button without any delay.				✓			
1904	Fix to move the focus to next visible cell after updating the current cell.				✓			
1902	Fix to make PlexAPI GetObjName API return the library prefix for library objects.	✓						
1901	Fix to resolve MDI application freeze when initiating a system shutdown.		✓					
1899	Fix to resolve authority issue when using BLOBs in the WinNTC runtime.			✓				
1898	On java GIRD, sorting the GIRD rows by clicking on column heading followed by GRID load event then GIRD selection gets changed.				✓			

1897	On java panel, a combo box, a radio button and a list box are responding to mouse double click event when they are in protected mode.					✓			
1896	On java panel, the Default Button pressed event is fired even the Default Button isn't visible and enabled.					✓			
1895	In java GRID while moving focus among the cells with tab or arrow keys, focus is moving to invisible cells as well.					✓			
1894	Fix to resolve overlap issue when Windows 7 DPI is set to 125%.	✓	✓						✓
1893	On Japanese Windows, certain special character <Such as ◎, ○, ●> causes incorrect item selection on Combo Box in Grid.		✓						
1892	On java grid, enter key doesn't update grid cell, if the panel has a default button defined.					✓			
1891	On Java panel, opening dialog message within MDI causes the parent panel move to behind the parent window.					✓			
1890	Following WINNT message level is changed from Information to Error: The CA Plex developer has tried to set a multi-occurrence variable index to a value larger than its declared size. Contact the developer. Program terminating. Declared size = n				✓				
1889	On java GRID, certain combination of keyboard operation doesn't commit edited cell.					✓			
1888	Java panel and WINC panel response differently when clicking top right corner 'X' button on the panel title bar.					✓			
1884	Fix to reduce the likelihood of C++Compiler C1061 errors.	✓							✓
1883	Fix to resolve C++ Generator issue when generating a call to a function of an invalid type.	✓							
1880	Java Grid Load w REFRESH (Caused by Problem 1479)					✓			
1878	Multi-line edit control on a Java panel doesn't gain focus.					✓			

ID	Description							
1877	On Java grid, cell editing without changing actual data wrongly set the row as modified. It results the row is picked up by For Each Modified loop.				✓			
1876	On java grid, selection event is not always being invoked.				✓			
1875	In java MDI, calling MDI child from Child Window embedded in MDI child results the called MDI child shows up as pop up window instead of embedded to MDI parent.				✓			
1874	In java, leading spaces for varchar data type are trimmed when exchanging data with database.				✓			
1873	Fix to allow the selection of text in a multi-line edit control when the control gains focus.		✓					
1872	Japanese Windows 7 (or with Japanese IME) and F10 key default behavior changes Plex WinC panel behavior.		✓					
1871	Fix to resolve Plex IDE crash or hang when dragging a component into the AD Variable Palette.	✓						
1861	Fix to enable the listing of multiple versions of an ActiveX control in the Panel Designer.	✓						
1859	Fix to handle "+For Each Variable" meta operation over other meta function variables.	✓						✓
1857	Fix to resolve date entry GPF on WinC panels.		✓					
1856	On java grid, backspace key remove the data from cell without changing cell to edit mode.				✓			
1855	On java grid, if check box is set as READ ONLY, it doesn't invoke double click event.				✓			
1854	Reordering java grid doesn't work as expected when the grid has a checkbox control cell.				✓			
1853	On java edit control, when the edit box has long string which cannot be displayed fully, it shows the end part of string instead of beginning of the string.				✓			
1852	Fix to give newly added grid fields a length rather than defaulting to 0 in the application INI file.		✓					
1851	Fix to resolve loss of grid data when focus is lost and regained by an application.		✓					

1850	Fix to resolve crash when importing a COM object into a Plex local model.	✓						
1849	Fix to resolve ++IS EMPTY comparisons not working for fields containing spaces.		✓	✓				
1848	Fix to resolve issue in Format Message generation whereby spaces were being generated after carriage returns entered into message LPs.		✓	✓				✓
1846	Fix to handle fixed decimal field calculation (causing overflow exception) in C# runtime specifically with literal values (generator generates fixed decimal constructor without decimal places parameters).					✓		✓
1845	On java panel, if the Edit field has Edit Mask defined, the Update event is triggered without data change. i.e., just Tab-in then Tab-out fire the Update event.				✓			
1844	On java grid, using Up or Down key to move out focus from Editable grid cell, the row isn't picked up by "For Each Modified" Action Diagram loop.				✓			
1839	Fix to resolve WinC Grid Select event not triggered when multiple rows are selected.		✓					
1838	Fix to resolve XML Import error "'RegisterCall' while importing function [Import. XML]. Line 2049, File .\Src\ADFUNC\IMPORTAD."	✓						
1835	Fix so that the PlexAPI FindObj API returns references for non-real objects.	✓						
1823	Fixed error during XML Import when matching variable names from an attached library.	✓						
1822	In Java Application with multiple same function calls, the input variable value for each function instance is modified by other function instance.				✓			
1806	Empty date data exchange between .NET and IBM i give unexpected result.					✓		