

# Perceptive Intelligent Capture for Invoices

## Release Notes

Version: 2.5.x

Written by: Product Knowledge, R&D  
Date: September 2016

© 2016 Lexmark. All rights reserved.

Lexmark is a trademark of Lexmark International, Inc., registered in the U.S. and/or other countries. All other trademarks are the property of their respective owners. No part of this publication may be reproduced, stored, or transmitted in any form without the prior written permission of Lexmark.

## Table of Contents

<b>Perceptive Intelligent Capture for Invoices Release 2.5 .....</b>	<b>4</b>
Compatibility .....	4
New Features .....	4
Fixed Defects.....	5
<i>AP Packaged Project Build 2.4 - 2401 to 2501 – Defect Correction List.....</i>	<i>5</i>
<i>AP Packaged Project Build 2.4 – 2303 to 2401 – Defect Correction List.....</i>	<i>6</i>
<i>AP Packaged Project Build 2.3 - 2302 to 2303 – Defect Correction List.....</i>	<i>7</i>
<i>AP Packaged Project Build 2.3 - 2301 to 2302 – Defect Correction List.....</i>	<i>7</i>
<i>AP Packaged Project Build 2.3 - 2300 to 2301 – Defect Correction List.....</i>	<i>7</i>
<i>AP Packaged Project Build 2.3 - 2203 to 2300 – Defect Correction List.....</i>	<i>7</i>
<i>AP Packaged Project Build 2.2 - 2202 to 2203 – Defect Correction List.....</i>	<i>8</i>
<i>AP Packaged Project Build 2.2 - 2200 to 2201 – Defect Correction List.....</i>	<i>8</i>
<i>AP Packaged Project Build 2.1 - 2103 to 2.2 build 2200 – Defect Correction List.....</i>	<i>8</i>
<i>AP Packaged Project Build 2.1 - 2102 to 2103 – Defect Correction List.....</i>	<i>10</i>
<i>AP Packaged Project Build 2.1 - 2101 to 2102 – Defect Correction List.....</i>	<i>10</i>
<i>AP Packaged Project Build 2.1 - 2100 to 2101 – Defect Correction List.....</i>	<i>11</i>
<i>AP Packaged Project Build 2.0 to 2.1 – Defect Correction List.....</i>	<i>12</i>

## Perceptive Intelligent Capture for Invoices Release 2.5

This document contains important information about the 2.5 release of Perceptive Intelligent Capture for Invoices (PIC for Invoices). Read this file before you begin your installation.

This document contains information about enhancements, bug fixes, and specific information that might apply to your setup.

### Compatibility

You can only use PIC for Invoices, version 2.5, with Intelligent Capture, version 5.5 SP3 and higher.

### New Features

Category	Description
Scripting/Extraction/Export	Ability to retrieve custom fields from SAP during the read of a purchase order account assignment, then subsequently pass that data back to SAP during invoice creation. Two user exits 'UserExitReadSAPAccountAssignment' and 'UserExitPopulateSAPAccountAssignment' have been added for this purposes
Scripting	New field validation user exits added 'UserExitAccountNumberValidate' and 'UserExitEmployeeIDValidate'; 'UserExitFilterEmployeeSearch' is now available for filtering the Employee ASE results; for line pairing, new user exit 'UserExitPreLinePairing' has also been added
Export	Standard export to ProcessDirector in SAP now added, including a user exit 'UserExitSendToSAPProcessDirector' for sending custom fields
Export	Standard export to ProcessIT for Oracle EBS now added, including user exits 'UserExitPITXMLOutput' for custom changes to the output XML file
Extraction/Export	Support for Golden Tax solution mandated for domestic transactions that involve VAT in mainland China.
Database	Support for SQL Server 2012
Extraction	Ability to handle non-numeric purchase order line item numbers
Configuration	New setting added to table BRWLPR 'UnitPriceTolerance' to tighten up line pairing where an invoice line pairs to a PO line due to a high correlation on the pricing

Category	Description
Extraction/Export/Validation	New field added 'MexicanUUID' to support automatic extraction of the UUID number that appears on Mexican electronic invoices – a new user exit 'UserExitMexicanUUIDValidate' has also been added to support custom validations for this field.
Formatting	Added support for formatting of Taiwanese dates (e.g. 104/09/19 will now be formatted to 19/09/2015).
Configuration	New option added to table BRWSAP so that it is possible to configure the system to send withholding tax data upon document creation in SAP even if a withholding tax amount is not captured from the invoice.

## Fixed Defects

### AP Packaged Project Build 2.4 - 2401 to 2501 – Defect Correction List

Defect ID	Description
2087 ALM#13067	If the XML (or DB) export option is switched off, but PIF export is switched on, the PIF XML output does not work properly.
2088 ALM#13083	Entries in the VAT table are still mandatory if the 'INVOICE AMOUNTS DO NOT ADD UP' invalid reason is set.
2089 ALM#13086	During line pairing, system was pairing a freight charge to a purchase order line item that already been used during the MIRA process.
2090 TFS#11505	When exporting to XML, CSV or a database, any specific export formatting settings for the AmountTax field in BRWFLD were being ignored.
2091 TFS#11524	Line pairing was pairing an invoice line to an incorrect purchase order line despite a clear match on material numbers.
2092 TFS#11526	Content of price unit column was not being formatted to (e.g) 100 or 1000 on RTS or in Verifier – this could lead to problems during line pairing.
2093 TFS#11527	Incorrect currency defaulted from the vendor master even though the invoice currency is stated as being dollars as marked as correct.
2094 TFS#11528	Invoice line was pairing incorrectly against a purchase order line on account of high correlation of amounts.

Defect ID	Description
2095 TFS#11487	The PICI user table update was not working if the core product database is Oracle.
2096 TFS#10318	Documentation should be updated to replace use of 'ASSA' with 'ASE' denoting the 'Associative Search Engine'.

## AP Packaged Project Build 2.4 – 2303 to 2401 – Defect Correction List

Defect ID	Description
2077 ALM#12945	If the vendor configuration is set to use an external ID, it is possible to enter an invalid vendor ID in Verifier and the system accepts it and passes it downstream.
2078 ALM#12964	If the system is configured to extract a bill-to name from a Greek language invoice, the value is extracted, but is displayed in transliterated characters, rather than the original Greek characters. This issue would also affect other languages if special alpha characters, such as non-English A-Z, were used.
2079 ALM#12863	Document type was being set as a credit based on a negative amount even if the 'IgnoreNegativeTotal' parameter was set to TRUE/YES in the system configuration.
2080 ALM#13032	Negative amount line item was not extracted if appearing in the middle of the invoice line items.
2081 ALM#13042	'DefaultIfNothingExtr' in BRWFLD incorrectly sets a currency even if a result is extracted.
2082 ALM#12952	System does not handle TIF Filenames containing a single quote for reporting in the BRWDocument table. Also addressed were: <ul style="list-style-type: none"> <li>• standard database export;</li> <li>• image export to the Visibility archive;</li> <li>• look-up for the client ID based upon the document URN.</li> </ul>
2083 ALM#13043	Employee ID field not being populated when an employee is selected using the employee search feature.
2084 ALM#13036	False positive on the tax amount on Polish Air Products invoice.
2085 ALM#12965	'Invalid argument function value' script error rose during extraction of provided sample document.
2086 ALM#12998	In some cases, line pairing was selecting zero quantity lines if multiple lines existed on the purchase order for the same material.

## AP Packaged Project Build 2.3 - 2302 to 2303 – Defect Correction List

Defect ID	Description
2080 ALM#12966	Use of 'UserExitReadPODetails' is not functioning correctly. If the PO look-up involves a vendor site ID, the subsequent PO vendor validation fails.

## AP Packaged Project Build 2.3 - 2301 to 2302 – Defect Correction List

Defect ID	Description
2076 ALM#12854	Any code inserted to modify the flags object in 'UserExitSetDocFlags' has no effect.

## AP Packaged Project Build 2.3 - 2300 to 2301 – Defect Correction List

Defect ID	Description
2075 ALM#12844	Vendor address field incorrectly displays the vendor ID on line 1. This occurs following a vendor search when a new vendor is selected if the ID column in the BRWSRC table is pointing to a column that does not contain the full vendor ID (including partition) in the vendor master extract table.

## AP Packaged Project Build 2.3 - 2203 to 2300 – Defect Correction List

Defect ID	Description
2067 ALM#12796	French ' é ' is not accepted while verifying the 'Invoice Date' field. For example, 31 décembre 2013.
2068 ALM#12811	If more than one text line is captured for the line item description, the system marks it as invalid, does not let it pass, and no error is displayed explaining what has gone wrong.
2069 ALM#12812	In the same verifier session, if you move from a document belonging to a client that does not use a site ID or PO extension (for example, they are not activated in BRWFLD) to one that does, and then move back to one that does not, the Verifier display for the vendor ID and PO number is slightly truncated.
2070 ALM#12820	If an invalid database connection string is set for the DFI database, a document could go straight through during processing when it should stop in Verifier with an error message.
2071 ALM#12816	Format for BRWAMT section is set incorrectly if the Oracle SQL script is used. Should be #[2-10], not #2-10.
2072 ALM#12815	Records not being written to BRWDocument in the Visibility tables if an Oracle database is being used and the external batch name / priority update fails.

Defect ID	Description
2073 ALM#12823	System tries to post an invoice to SAP when the purchase order has not been released. The post fails, so the document parks with a 'no tax code found for difference' error message, when it really should have parked from the outset with a 'PO not released' error.
2074 ALM#12825	Setting the 'Distance' parameter in the BRWBTO table was having no effect.
2075 ALM#12829	The 'StoredProcedureParameters' column in the BRWLPR table should be of type nvarchar, but it is set to type integer.

## AP Packaged Project Build 2.2 - 2202 to 2203 – Defect Correction List

Defect ID	Description
2065 ALM#12750	A drop in the extraction quality for the totals on Chinese VAT invoice was observed between build 2103 and 2202.
2066 ALM#12751	Perceptive content messaging tables were not being updated correctly. There was a leading space in 'intelligentcapture' and 'docid' was being written instead of 'urn'.

## AP Packaged Project Build 2.2 - 2200 to 2201 – Defect Correction List

Defect ID	Description
2058 ALM#12678	<p>If a minimum or maximum length was set for a text field in BRWFLD, the error message displayed in Verifier, if this rule was breached, was not correct.</p> <p>For example, for a maximum length of 8, the message would be 'Field must be less than 8 characters', rather than 'Field must be 8 characters or less.'</p>
2060 ALM#12686	The BRWINSTR table has a foreign key constraint linking its profile ID to the profiles in the BRWProfile table. This is incorrect as the two are independent of one another.

## AP Packaged Project Build 2.1 - 2103 to 2.2 build 2200 – Defect Correction List

Defect ID	Description
2043 ALM#12461	A script error may be raised during the line pairing process at time of export if the Distiller Line Items table contains a zero value in the Price Unit column.
2044 ALM#12498	When validating the invoice number using the sequencing check option, if the invoice number was too long to hold in a 'long' type variable, an overflow script error would occur and a false positive could result. The script error was suppressed and not visible to the user.



Defect ID	Description
2045 ALM#12500	If a 10 digit PO number is entered into the PO number field in Verifier, which also has trailing special characters (e.g. 4500000100/), the PO number validates against SAP (which only considers the first ten characters), but the Verifier field content remains incorrect.
2046 ALM#12554	Script error raised if purchase order numbers are being validated using a stored procedure.
2047 ALM#12555	The system allows an invalid vendor ID to pass through Verifier if the SAP PO look-up validation is activated but the system is not set to connect to SAP.
2048 ALM#12563	Vendor validation not considering a PO box and PO box zip if a regular street address and zip code were also available in the vendor master. This could lead to a false positive on the vendor ID if the invoice itself stated the vendor's PO box address.
2049 ALM#12564	Vendor was validating incorrectly if there was a small discrepancy in the house number for the same street, or in a PO box number.
2050 ALM#11112	Incorrect weightings applied to total amount candidates leading to a mis-extraction
2051 ALM#12538	Script error was thrown if the number of entries in the BRWCurrency table exceeded 99. A new limit has been applied and 999 entries are now permitted.
2052 ALM#12455	If CSV file output is configured to generate a combined file per batch and one or more documents in the batch are classified to a class other than invoices, the CSV file incorrectly retains a TMP file extension.
2053 ALM#12573	The system was loading the invoices class verification form for document in state 550 in Verifier even for custom base classes with a different form assigned.  <b>Workaround:</b> This can be corrected by forcing the correct form in script in 'UserExitVerifierFormLoad'.
2054 ALM#12581	An 'invalid index' script error was being raised during the extraction of a delivery note number from a Chinese language VAT invoice.
2055 ALM#12383	Incorrect date being extracted and set to valid.
2056 ALM#12583	The update to the Visibility reporting database fails at time of export if an SAP posting failure error message contains a single quotation mark.  For example, document type 'RE' must be used.

## AP Packaged Project Build 2.1 - 2102 to 2103 – Defect Correction List

Defect ID	Description
2042 ALM#12421	Verifier was letting a user pass a zero value total invoice amount without setting an appropriate valid reason by hitting enter on either the VendorID, PONumber, DocumentType, InvoiceType, or InvalidReason fields.
2059 ALM#12602	Euro symbols not being recognized as a currency symbol, hence currency was not extracting.  <b>Workaround:</b> If the project is only processing English language documents. Removing the 'Activate Support For Western Languages' option in the project settings would fix this.

## AP Packaged Project Build 2.1 - 2101 to 2102 – Defect Correction List

Defect ID	Description
2034 ALM#12326	The script to create the unit of measure conversion table was missing from the DFI table creation script for SQL server.
2035 ALM#12291	Users assigned the 'ADM' role in the BRWUser table where no client group is specified should be granted rights to see documents from all clients.
2036 ALM#12361	An error message field was displayed against the currency field when populated and valid.
2037 ALM#12362	If a user in BRWUser was set up for windows authentication, then any documents verified were not going to the 699 review state if the 'RequiresReview' flag was set to TRUE.
2038 ALM#11378	If a document were split in Verifier, the document image export to Visibility would fail as the BRWDocument record for the image would not exist. Now, when an image is split in Verifier, a new Visibility record is created following manual re-classification.
2039 ALM#12412	If the system was set to connect to SAP through load balancing, then document export to SAP was being considered successful, returning an SAP document number, even though no documents in SAP were created. Multiple connections to SAP were also being established (one per call) needlessly.
2040 ALM#12380	During line pairing, zero value lines were being selected during the MIRA process.
2041 ALM#12385	Line pairing was not working in the MIRA process for a miscellaneous charge only invoice where there was no GR on the PO.

## AP Packaged Project Build 2.1 - 2100 to 2101 – Defect Correction List

Defect ID	Description
1132 ALM#12216	The script to create the BRWCOUNTRY table contained outdated information regarding EU member countries and currencies.  Information is now correct as of 21 <sup>st</sup> March 2013.
2023 ALM#12218	A script error was being raised when extracting data from a CJKT document if the 'YourRef' field had format strings defined and a candidate was generated.
1133 ALM#12196	Brainware references present in project INI file. This includes the XML document tag defaulting as 'BrainwareDocument' in the project file. This has now been changed to 'Document'.
2024 ALM#12219	The train folder supplied was set as 'read only', which would be the cause of errors if someone tried to train the project.
2025 ALM#12198	Customer project name was showing in the default batch directory in the project settings in Designer. This has now been replaced with a generic filepath.
2026 ALM#12225	Setting for the bill-to VAT registration number field in the BRWFLD table was not being applied.
2027 ALM#12195	Learnset for the Invoice_CN class was not encrypted.
2028 ALM#12197	Template classification engine was still in use within the project file, which rendered it incompatible with Distiller 5.5.
2029 ALM#12232	An OCR quirk was causing issues with the extraction of the invoice date field where a Chinese comma is present to the left of the date.
2030	Script error is raised when analyzing a document indicating that the IBAN column is missing from the BRWSRC table. This issue arose when the IBAN field was removed from the BRWSRC table as being discontinued between builds 2100 and 2101.
2031 ALM#12260	Database creation script was not inserting rows into the BRWEXPHeader table for the YourRef, IBAN and BIC fields.
2032 ALM#12261	Column 'YYDDMMCountries' in the BRWDAT table was incorrectly named. It should be 'YMMDDCountries.'
2033 ALM#12262	If a field is set to be a text field in BRWFLD and is set to remove special characters, this was also removing legitimate letters from the Latin alphabet (for example, Ö).

## AP Packaged Project Build 2.0 to 2.1 – Defect Correction List

Defect ID	Description
1118 ALM#12115	Quantity in the line items table was being formatted incorrectly if a comma was used as the decimal separator for the quantity and total line item amount.
1119	A change in the reporting country for tax in <b>UserExitSetReportingCountry</b> was having the adverse effect of changing the country associated with the invoice company code, which meant that tax code assignment could fail.
1120 ALM#12142	Miscellaneous charges could be mishandled during line pairing if the miscellaneous charge on the PO was raised as a separate line item and had not been goods receipted.
1121 ALM#11592	During line pairing, a quantity conversion could be miscalculated if there are price units present on the PO and invoice line.
1122 ALM#12148	During invoice export, the system was always making a call to SAP to check for a down payment even if the down payment check was deactivated.
1123 ALM#11254	Invoice number was not extracting correctly for a given example if Finereader 8 was being used.
1124 ALM#12118	Export event was failing where 'CheckForMultiplePOs' was set to 'YES' and one or more purchase orders identified contained an apostrophe.
1125 ALM#11249	Formatting of the field content for the VendorASSA field on the intercompany level included fields that did not exist in the sample pool provided.
1126 ALM#11084	The extraction learnset on the invoices class showed that it had been trained with 31 documents, but there were actually 35 wdc files in the train folder. Four have been removed as unnecessary.
1127 ALM#11252	Russian was included as a FR10 default OCR language, and this should not be the case.
1128 ALM#11227	Oracle and SQL server scripts for the standard Distiller tables did not reflect product branding and included references to IDC-distiller. This has now been changed to Brainware Distiller. Additionally, in the Oracle script, the national currency for Estonia was set as 'EEK', which has now been changed to 'EUR'.
1129 ALM#11585	Line pairing may raise a script error failing the export event if a purchase order is more than 10 digits long.
1130 ALM#11908	When attempting to select the correct PO line from a purchase order where multiple lines were set up for the same material, the system mistakenly chose the wrong line for a particular test case.
1131 ALM#12176	If the system was configured to use site IDs, and a new PO was entered in Verifier belonging to a completely different vendor to that in the vendor field, the dialog box offering the user the chance to accept the PO vendor did not include the PO vendor address information.

Defect ID	Description
2000 ALM#12149	An invalid delivery date was incorrectly setting the invoice date to be invalid also
2001 ALM#12149	The delivery date was being mistakenly populated with the value 'true' if a country filter was set.
2002 ALM#11109	Table correction facility for the Lineltems field was not always working in Verifier
2003 ALM#12114	'UserExitFilterVendorSearch' was not firing when a vendor search was being executed in Verifier.
2004 ALM#12113	In Verifier, if cross-validation of the amount fields in deactivated, it was possible to introduce an invalid character into one amount field, then hit enter on another, and the invalid amount value would pass.
2005 ALM#11193	Duplicate strings were present in the label definitions for 'LineltemsGeneric' on the Generic class. The duplicates have been removed.
2006 ALM#11131	The PONumbers table still appears at the bottom of the dynamic verifier form even if it is deactivated in the BRWFLD table.
2007	Document header fields (such as, DocClass, ScanDate, and DocumentLink) were not appearing in the XML output file despite being selected for output in the BRWEXPHeader table.
2008	The employee search button was still present on the dynamic Verifier form even if the employee ID field was deactivated in the BRWFLD table.
2009	Visibility was not being updated with the name of the client in BRWClient for a given document.
2010	It was not possible to upload users in BRWUsers using the 'password' option. This is now possible if Distiller 5.4 is used as an extra method was added at this level to allow user creation with a password, as opposed to just using Windows authentication.
2011	If the BRWTXJCodes table was populated with entries for a given profile ID, a document for a client using that profile ID would raise a script error during extraction, which could hang RTS.
2012	Amount fields could be outputted incorrectly (such as, 100 times too big) if the machine locale is set to use a comma as the decimal separator.
2013	The standard database export for the tax table was failing with an SQL error complaining that the number of entries in the VALUES clause did not match the number of INSERTS.
2014	The 'SetCompanyCodeFromPO' option in the BRWPON table was not working.
2015	Script errors could be raised during extraction if CJKT transliteration is activated in the project settings.
2016	If table BRWCSV was populated with entries for a given profile ID, a document for a client using that profile ID would raise a script error during extraction, which could hang RTS.

Defect ID	Description
2017 ALM#12153	The XML encoding header set in the BRWEXP table was not being written into the standard XML file.
2018 ALM#12154	When trying to use the standard database export, the system was raising an error reporting that no database export tables had been configured in BRWEXP even if they had been.
2019 ALM#11593	When exporting an XML file, line items were still being exported even if the line items field was deactivated in BRWFLD.
2020 ALM#11130	If an invalid database connection was specified in the INI file for the DFI for BPO database, a script error was being raised during extraction, potentially hanging RTS.
2021 ALM#11140	DFI 2.0 DB table creation scripts did not include primary keys and constraints. These have now been added for the 2.1 DB creation scripts.
2022 ALM#11291	Changed flags for 'AmountSubtotal' and 'AmountTax' were being changed incorrectly if the VAT table was activated.