

The logo for ISS 45, consisting of the letters 'ISS' stacked above the number '45' in a large, bold, black serif font, all enclosed within a thin black rectangular border.

 *Release Notes & What's New*

*ISS45 8.1.5.4-050*



## ISS45 Release Notes & What's New

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# Introduction

Enhancements were recently made to the StoreNext ISS45 system. The changes are reflected in the accompanying ISS45 8.1.5.4-050 software. The Change Request Document (CRD) number assigned to each enhancement is listed in the description heading.

The Change Request Document (CRD) number assigned to each enhancement is listed in the description heading. Following the change description is an abbreviation (or combination thereof) of the ISS45 area affected:

(BO) – Back Office

(POS) – WinPOS

(Sys) – System / Services

These enhancements are explained in detail in the following pages and are not included in the latest Office Users Guide, WinPOS User Guide or Office Administrator's Reference. If you have any questions regarding this release, please contact StoreNext Support.

## 17483 – Loyalty Promotion Disabling (FO)

Retailx Loyalty promotions can now be disabled within the store. In previous releases, if the Loyalty Host was offline there was no method for store personnel to turn off a promotion (through the Central Promotion Builder). For example, if a \$0.75 promotion discount is incorrectly keyed and downloaded to the store as \$7.50, the store may now disable the promotion until it can be corrected.

The **Suspended** flag is now accessible within the Loyalty Enhanced, Loyalty Group and Loyalty Level Promotions Single Form Screens. (The **Apply** and **Close** buttons become enabled when the **Suspended** flag is altered).

The screenshot shows the 'Loyalty Enhanced Promotion' form. The 'Promotion ID' is 456 and the 'Description' is 'Enhanced Loyalty 1'. The 'Suspended' flag is checked, indicated by a downward arrow and a callout box that says 'Enabled Suspended flag'. The form has several tabs: 'General', 'Settings 1', 'Settings 2', 'Checkout Banks', 'Member Card Settings', 'Loyalty Server', 'Printing Settings', and 'Custom Msgs'. The 'Start date' is 10/01/2009 and the 'End date' is 10/15/2009. The 'Day Settings' section shows a table with columns 'From' and 'To' for each day of the week, all set to 00:00 and 23:59. The 'Coupon Parameters' section includes 'Coupon Type' (Not Required), 'Coupon Required' (0), 'Coupon Redempt' (1), 'Use Barcode Pr' (checked), and 'Prompt cashier' (checked). The 'Reward location' is 1 and 'Reward length' is 4. The 'Reward Initiator' is 'Fixed reward'. The 'Apply' button is enabled.

Day	From	To
Monday	00:00	23:59
Tuesday	00:00	23:59
Wednesday	00:00	23:59
Thursday	00:00	23:59
Friday	00:00	23:59
Saturday	00:00	23:59
Sunday	00:00	23:59

**Note:**

A suspended promotion can be enabled by clearing the Suspended flag and applying the change.

**Note:**

In the Multi Form Grid, the Suspended flag still displays but cannot be edited.

## 18785 – PLU and General Batch Processing Improvements (FO)

The efficiency of PLU and General Batch processing has been improved in this release. If a new “FastLoyaltyBatchDel.flg” exists in the C:\PCMASTER\FLAG folder, records will be written to SQL tables first and the QDX files will be loaded on the POS at one time (containing all the new records contained in the batch). In addition, if this flag is present deletions will be performed by clearing the QDX file, deleting the records from SQL and then rebuilding the QDX file.

**Note:**

If the “FastLoyaltyBatchDel.flg” is not present, records will be updated on a “one-by-one” basis, decreasing POS efficiency when in Sale Mode.

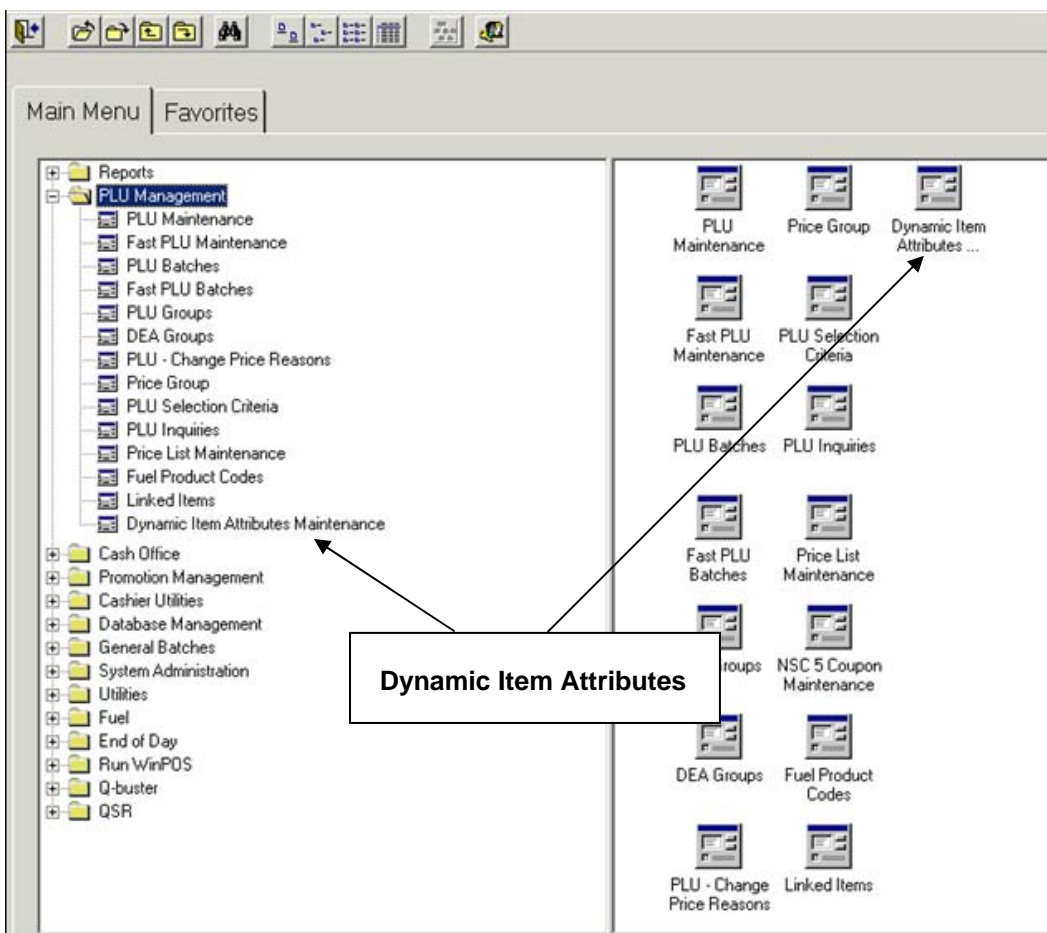
## 20692 – Dynamic Item Attributes (FO/POS/Sys)

ISS45 supports attaching items to Retailix Loyalty (LPE) Promotions through new Dynamic Item Attribute (DIA) functionality added to PLU Management in this release.

### Front Office

#### New Dynamic Item Attributes Menu Option

The PLU Management folder holds the new Dynamic Item Attributes Maintenance menu selection.



Once the application is launched from the PLU Management folder, the Dynamic Attributes Maintenance screen displays all established attributes:

The screenshot shows a window titled "Dynamic Attributes Maintenance" with a menu bar containing Exit, Report, New, Edit, Delete, and End. Below the menu bar is a "Go to:" text box and the text "In Attribute ID Ascending". The main area contains a table with the following data:

Attribute ID	Description	Type	Allow Member Promotion Attachment
1	Brand	Open Text Box	<input type="checkbox"/>
2	Brand Size	Drop Down List	<input checked="" type="checkbox"/>
3	Brand Use	Yes/No	<input type="checkbox"/>
4	Brand Tier	Numeric Value	<input type="checkbox"/>

At the bottom of the window, there are navigation buttons (Home, Back, Forward, End) and a "Close" button.

➤ **To add a new Dynamic Item Attribute:**

- 1 Click the New button. The Linked Items Maintenance window appears:

The screenshot shows a dialog box titled "Dynamic Attributes Maintenance". It contains the following fields and controls:

- Attribute ID:** A text box containing the number "0".
- Description:** An empty text box.
- Type:** A dropdown menu with "Open Text Box" selected.
- Allow Member Promotion Attachment**
- Default value:** An empty text box.
- Attribute Values:** A large empty text area.
- Buttons:** "OK", "Cancel", and "Apply" buttons at the bottom.

- 2 Enter an unused identification number in the Attribute ID field.
- 3 Enter a description code in the Description.
- 4 Click the Type field's selection arrow and choose one four DIA types:
  - Open Text Box
  - Drop Down List
  - Numeric Value
  - Yes/No
- 5 For the DIA type selected (and underlined below), complete the following fields.

- Open Text Box – Enter the default text to use when assigning the DIA to an item.

Default value	<input type="text"/>
---------------	----------------------

- Drop Down List – Check the **Allow Member Promotion Attachment** checkbox to enable this attribute to be attached to Loyalty Promotions (when attaching items locally).


**Note:**

In sites using Advanced Loyalty features, DIAs can be used for attaching items to promotions locally through the Set Attachment link in Loyalty Member Promotion Maintenance.

- Drop Down List – In the **Attribute Value ID** field, enter an unused identification number. In the **Description** field, enter a description for the value and (optionally) check the **DefaultVal** make this the value the default to use when assigning the DIA to an item. Complete the grid until all values are defined.

<input type="checkbox"/> Allow Member Promotion Attachment		
Default value		
Attribute Values		
Attribute Value ID	Description	DefaultVal
*		<input type="checkbox"/>

- Numeric Value – Click the **Number of Decimals** field selection arrow and select the number of decimal places (0, 1, 2, 3 or 4) to use for the Default Value field.
- Numeric Value – Enter the default value to use when assigning the DIA to an item.



Allow Member Promotion Attachment

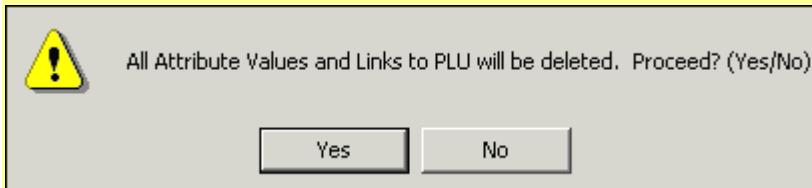
Number of Decimals: 0

Default value: 0

- **Yes/No** – Click the radio button for the default to use when assigning the DIA to an item.
- 6 Click OK when finished.
  - 7 Repeat steps 1 through 6 to for each DIA to define.
  - 8 When finished, click Close to return to the ISS45 Main Menu.

**Note:**

If a Dynamic Item Attribute is deleted from Dynamic Attributes Maintenance (by pressing the Delete button), the following warning message displays:



If Yes is selected, the DIA link to all items in PLU Maintenance that have the assigned attribute will be automatically severed.

## New PLU Maintenance Tab

In support of this feature, a new Dynamic Attributes Tab appears on the PLU Maintenance Screen. When selected, the list of all defined DIAs appears:

PLU Maintenance

Item Number: 9154  
Description: COKE 20 OZ

Basic Setup Parameters 1 Parameters 2 Cost and Sales Promotions Shelf Labels and OEM **Dynamic Attributes**

Attribute ID	Description	Select Attribute Value
1	Brand	
2	Brand Size	
3	Brand Use	
4	Brand Tier	0.

Clear value

**New Dynamic Attributes Tab in PLU Maintenance.**

Dynamic Item Attributes Listing

➤ **To assign an attribute to an item:**

- 1 For the item to assign, click the Dynamics Attributes Tab in PLU Maintenance.
- 2 Click the cell inside the Select Attribute Value column for the DIA to assign. The ellipsis cell displays.

Select Attribute Value
...

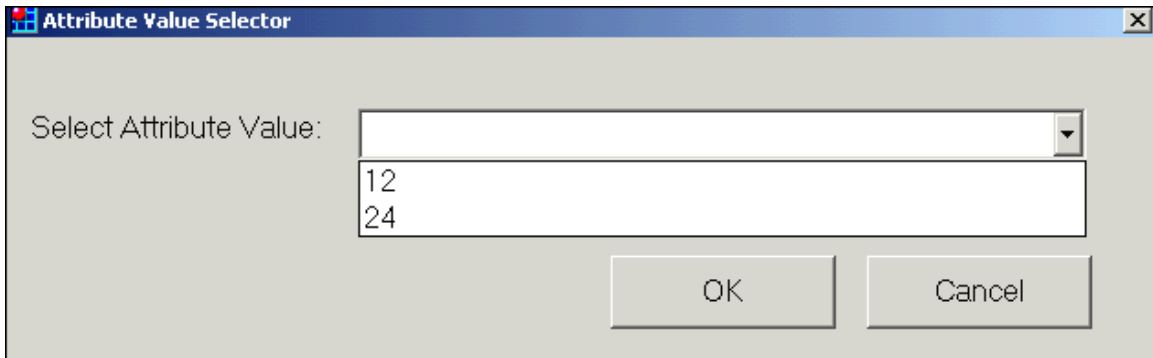
- 3 Click the ellipsis cell and assign the attribute. The Select Attribute Value window appears for the DIA type selected (and underlined below)
  - Open Text Box – Enter the desired DIA text (or accept the default text).

Attribute Value Selector

Select Attribute Value:

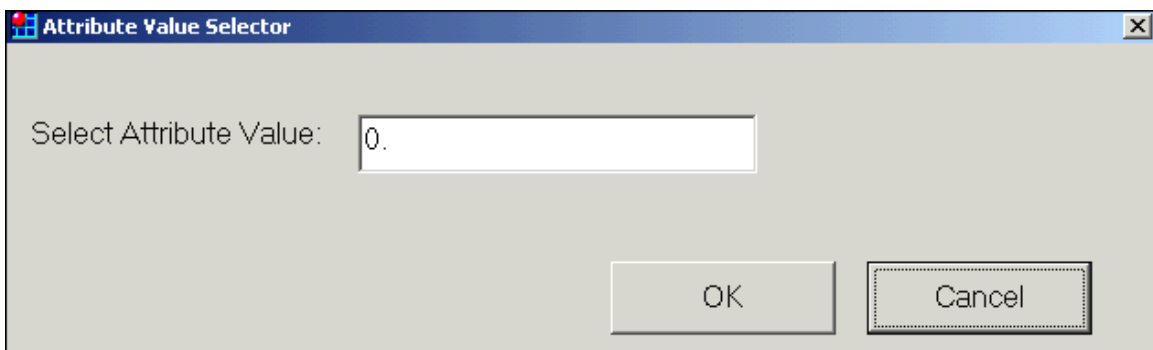
OK Cancel

- **Drop Down List** – Click the field selection arrow and select the desired Attribute Value (or accept the default value).



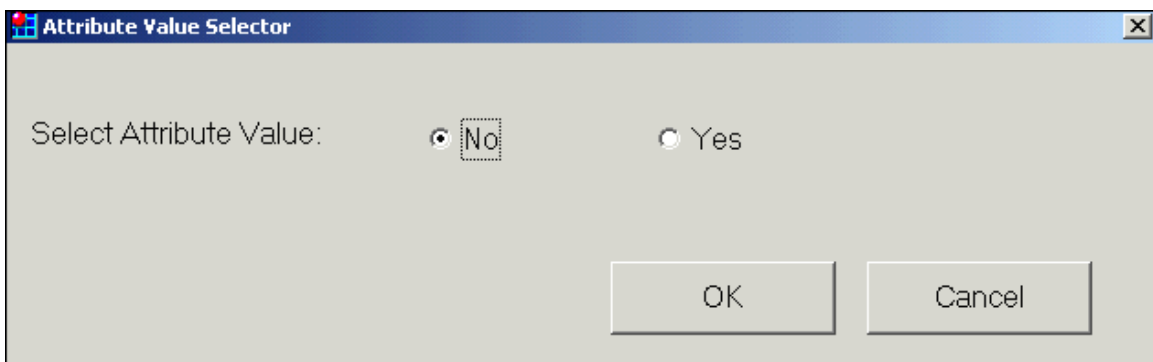
The screenshot shows a dialog box titled "Attribute Value Selector". It contains a label "Select Attribute Value:" followed by a drop-down menu. The menu is open, showing two options: "12" and "24". Below the menu are two buttons: "OK" and "Cancel".

- **Numeric Value** – Enter the desired numeric value (or accept the default value).



The screenshot shows a dialog box titled "Attribute Value Selector". It contains a label "Select Attribute Value:" followed by a text input field containing the value "0.". Below the input field are two buttons: "OK" and "Cancel".

- **Yes/No** – Click the desired Yes/No attribute (or accept the default value).



The screenshot shows a dialog box titled "Attribute Value Selector". It contains a label "Select Attribute Value:" followed by two radio buttons. The "No" radio button is selected. Below the radio buttons are two buttons: "OK" and "Cancel".

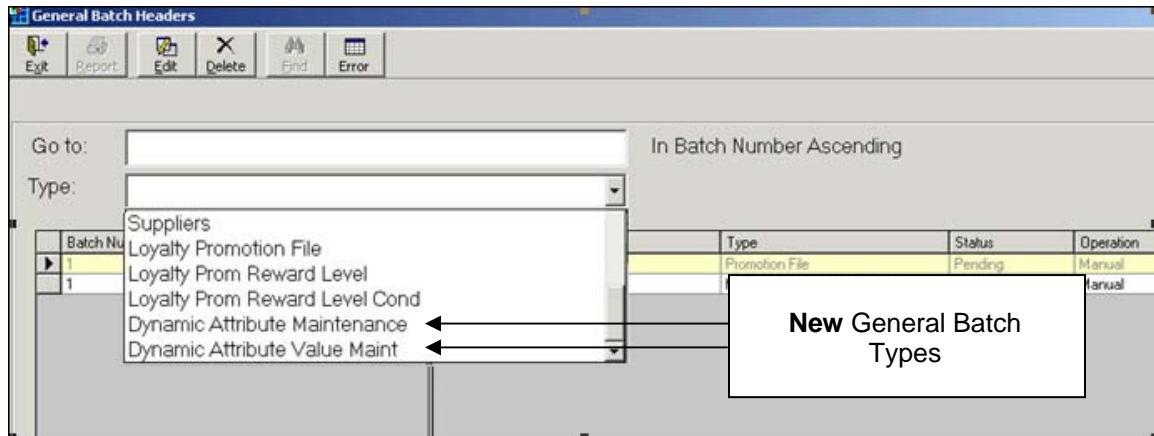
- 4 Click OK when finished.
- 5 Repeat steps 2 through 4 until all attributes have been assigned to the item.
- 6 Click OK or Apply to save PLU Maintenance changes.

**Note:**

The **Clear Value** button can be used to remove an attribute value. Click the cell inside the Select Attribute Value column for the DIA to remove and click **Clear Value**.

**New General Batch Types**

Two new General Batch Types are included in this release for receiving both Dynamic Item Attribute Maintenance and Dynamic Item Attribute Maintenance Values: **Dynamic Attribute Maintenance** and **Dynamic Attribute Value Maint**.

**Note:**

EOD Housekeeping associated with the General System Parameter “Number of days to wait before deleting General Batches” (located in the Store \ Front Office \ Housekeeping folder) has been modified to include the two new DIA General Batch Types.

**New Parameter**

As part of General Batch support for DIAs, the following General System Parameter has been established in the Store \ Front Office \ PLU and Batch \ PLU options \ Validation folder.

Parameter	Explanation
Ignore the validation of Link PLU to Attribute	<p>When this parameter is set to Yes, the General Batch mechanism will not validate that linked items already exist in the Item File.</p> <p><b>Note:</b> When processing a Dynamic Attributes Maintenance General Batch, if this parameter is set to “No” (default) and an item in the batch does not exist in the store item file, the record will not be processed and an error</p>

message will be sent to the log file. If the parameter is set to "Yes", maintenance will be added to the LNKD\_DYNAMIC\_ATTRIB table without verifying whether the item exists.

## New Loyalty Promotion DIA Fields

The Settings 2 Tabs (of both the Loyalty Enhanced and Loyalty Group Promotion Screens) and the Level Settings Tab (of the Loyalty Level Promotion Screen) contain new fields to issue rewards by a specific value in a pre-defined item dynamic attribute.

The screenshot displays the 'Settings 2' tab of a Loyalty Promotion configuration screen. A callout box labeled 'New DIA-related Loyalty Promotion Fields' points to the 'Extract reward from' field, which is set to 'Item Attribute'. Other fields include 'Limit Reward Value In Ticket' (0.00), 'Maximum spend on reward calculation' (0.00), 'Limit reward of UOM Volume to' (0.000), 'Minimum Required Value' (0), 'UOM Limit Type' (None), 'Period UOM Limit', 'Promotion Funding' (Retailer only, 0.00, Discount), 'Calculate Reward On' (Rounded to last trigger level), 'Reward Element' (None), 'Conflict Level' (Default), and 'Engine determ conflict participation' (No).

Promotion ID: 4

Description: New Year's Promotion  Suspended

General | Settings 1 | Settings 2 | Checkout Banks | Member Card Settings | Loyalty Server | Printing Settings | Custom Msgs

Limit Reward Value In Ticket : 0.00

Maximum spend on reward calculation : 0.00

Limit reward of UOM Volume to : 0.000

Minimum Required Value : 0

UOM Limit Type : None

Period UOM Limit :

Promotion Funding

Funding Method : Retailer only

Funding Value : 0.00

Reward executed as: Discount

Reward Apportionment

Algorithm: Participating Items

Mark Down Department:

Calculate Reward On: Rounded to last trigger level

Extract reward from : Item Attribute

Reward Element : None

Promotion Conflict

Conflict Level: Default

Engine determ conflict participation: No

**Loyalty Level Promotion**

Promotion ID:

Description:   Suspended

General | Settings 1 | Settings 2 | **Level Settings** | Checkout Banks | Member Card Settings | Loyalty Server | Printing Settings | Custom Msgs

	Quantity	Quantity 2nd Threshold	Reward	Reward Threshold (Units)	Extract reward from	Reward Element
Level 1	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0.00"/>	<input type="text" value="0"/>	<input type="text" value="Item Attribute"/>	<input type="text" value="None"/>
Level 2	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0.00"/>	<input type="text" value="0"/>	<input type="text" value="Item Attribute"/>	<input type="text" value="None"/>
Level 3	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0.00"/>	<input type="text" value="0"/>	<input type="text" value="Item Attribute"/>	<input type="text" value="None"/>
Level 4	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0.00"/>	<input type="text" value="0"/>	<input type="text" value="Item Attribute"/>	<input type="text" value="None"/>
Level 5	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0.00"/>	<input type="text" value="0"/>	<input type="text" value="Item Attribute"/>	<input type="text" value="None"/>

**New DIA-related Loyalty Promotion Fields**

Field	Description
Extract reward from:	This field defines whether the reward will be extracted by the Item Attribute or Reward Value.
Reward Element	The field contains the element from which the reward will be based.

## New System Integrity QDX File

New QDX 198 (DyPluAtt.qdx) used for item attribute linking is now included in the following Front Office System Integrity functions:

- Load/Refresh QDX Files to POS
- QDX Files Checksum Table

## POS

### New TLOG Transaction

New Opcode 70, Function F9 (Dynamic Attribute) has been created to log data associated with Dynamic Item Attributes at the POS. (See page 34).

### POS Processes for New QDX File

New QDX 198 (DyPluAtt.qdx) used for item attribute linking is now included in the following POS processes:

- Cold Start
- Load/Refresh
- Load/Checksum

## **System**

POSTT, an ISS45 utility that displays binary Transaction File records, has been updated to include the translation of the new fields and the new information transaction.

## 20896 – New Account Accumulator and Expiry Settings (FO)

A new Retailix Loyalty Member Accumulator Type has been added in this release to support the configuration of expiry periods for associated spend / rewards / points accumulations.

The Member Account Maintenance Screen's Accumulator Type field has a new Ticket Discount Accumulator selection:

The screenshot shows the 'Member Account Maintenance' window with the following fields and values:

- Member account Id: 1
- Description: Daily Acc
- Template for Member Account Progress Report: (empty)
- Accumulator Type: Ticket Discount Accumulator (highlighted by a callout box labeled 'New Accumulator Type')
- Accumulated Balance Type: Currency
- Initial Value: 0.00
- Number of digits after decimal: 0
- Rounding Rule: (empty)
- Inherit points of manual adjustments/triggered promotions from account: None
- Account Expiration Settings:
  - Earned Value Expires: After xxx Days
  - Balance Expiration Period: 8
  - Expiration Repetition Period: 0
  - Expiration Reference Month: (empty)
  - Expiration Reference Year: 0

Buttons at the bottom: OK, Cancel, Apply.

Field	Description
Accumulator Type	<ul style="list-style-type: none"> <li>▪ <b>Ticket Discount Accumulator</b> – An account in which rewards are accumulated by discounts and expired by designated expiration settings.</li> </ul>

Also added in this release are three new Accumulated Balance Type settings: Non-Member Discounts, Member Discounts and All Discounts.

Field	Description
Accumulator Balance Type	<ul style="list-style-type: none"> <li>▪ <b>Non-Member Discounts</b> – For Accumulator Types of “Ticket Discount Accumulator”, this setting indicates that the account is based on non-member discounts only.</li> <li>▪ <b>Member Discounts</b> – For Accumulator Types of “Ticket Discount Accumulator”, this setting indicates that the account is based on member discounts only.</li> <li>▪ <b>All Discounts</b> – For Accumulator Types of “Ticket Discount Accumulator”, this setting indicates that the account is based on both member and non-member discounts.</li> </ul>

The following new “Earned Value Expire” settings are used to define the expiry period associated with the member account. The expiry period may be set for a number of days / weeks / months, for a particular day of the week or for a predefined cyclic period.

Field	Description
Earned Value Expires	<p>Click the field selection arrow and select the expiry period for the member account.</p> <ul style="list-style-type: none"> <li>▪ <b>After xxx Days</b> – This setting indicates that the account expires after a set number of days.</li> <li>▪ <b>After xxx Weeks</b> – This setting indicates that the account expires after a set number of weeks.</li> <li>▪ <b>After xxx Months</b> – This setting indicates that the account expires after a set number of months.</li> <li>▪ <b>On Day of Week</b> – This setting indicates that the account expires on a designated day of the week.</li> <li>▪ <b>Cyclic Day of Month</b>– This setting indicates that account expires on a designated day of the month.</li> </ul>
Balance Expiration Period	This setting indicates the number of days, weeks or months associated with expiry period for the earned amount.

<b>Field</b>	<b>Description</b>
Expiration Reference Month	This setting indicates the month on which the repeat sequence begins.
Expiration Repetition Period	This setting indicates the number of months for which the expiry period repeats.
Expiration Reference Year	This setting indicates the year on which the repeat sequence begins.

## 20989 – Member Account Point Inheritance (FO)

A new Retailix Loyalty Member Account setting found in this release allows a Member Account to inherit manual point adjustment and promotion redemption properties from another Member Account.

Three new fields appear on the Member Account Maintenance Screen related to this feature

The screenshot shows the 'Member Account Maintenance' window. The 'Inherit points' checkbox is checked, and the dropdown menu is open, showing three options: 'None', 'redemption', and 'earned'. A callout box labeled 'New Inherit Point Fields' has arrows pointing to the 'Inherit points' checkbox and the dropdown menu options.

Field	Description
Inherit Points	This setting indicates if the Member Account is to inherit point properties from another member account.  This setting indicates the inheritance type: <b>None</b> = Not Used, <b>Redemption</b> = to inherit point redemption properties or <b>Earned</b> = to inherit earned point properties.

<b>Field</b>	<b>Description</b>
Of Manual Adjustments/Triggered Promotions from account	This setting indicates the Member Account ID of the account from which the Redemption or Earned properties are inherited.

**Note:**

As of this release, only redemption inheritance is supported.

## 21403 – LPE Member Account Reward Accumulations and Linking (FO)

New Retailix Loyalty settings have been added in this release to support the linking of member accounts to promotions for the purpose of accumulating total rewards for a given period of time.

The Member Account Maintenance Screen's Accumulated Balance Type field has a new selection of "Discounts of Attached Promotions":

The screenshot shows the 'Member Account Maintenance' dialog box. The 'Accumulated Balance Type' dropdown menu is open, displaying the following options: Counter, Virtual home store points, Home store points, External points, Non Member Discounts, Member Discounts, All Discounts, and Discounts of Attached Promotions. A callout box with the text 'New Accumulated Balance Type' points to the 'Discounts of Attached Promotions' option. Other fields in the dialog include 'Member account Id' (6), 'Description' (\$ Points), 'Accumulator Type' (Accumulator), 'Initial Value' (Counter), 'Rounding Rule' (None), 'Account Expiration Settings' (Earned Value Expires: Never), and 'Balance Expiration Period' (0).

Field	Description
Accumulator Balance Type	<ul style="list-style-type: none"> <li>▪ <b>Discounts of Attached Promotions</b> – For Accumulator Types of "Ticket Discount Accumulator", this setting indicates that the account is based on the discounts of attached promotions.</li> </ul>

The Settings 1 Tab of the Loyalty Enhanced, Loyalty Group Promotion and Loyalty Level Promotion Screens contains a new field to designate

the designated Member Account where promotion balances will accumulate.

Promotion ID: 4

Description: New Year's Promotion  Suspended

General Settings 1 Settings 2 Checkout Banks Member Card Settings Loyalty Server Printing Settings Custom Msgs

Group Type: Weighted/Decimal Rewarding Tender: [Dropdown]

Group Member Account: [Dropdown] Rounding Option: Exact amount

Select Units: All Items Priority Bucket for: [Dropdown]

Credit Calculation: Account Open Balance Reward Calculation: [Dropdown]

Reward Type: New Price per item Give Calculated reward as: Immediate reward

Reward Member Account: [Dropdown] Reward: 0.50

Number of Decimal Places in Reward: [Dropdown] Target Message Type: OEM

Limit Quantity: Ticket 0 Daily 0 Period 0

Minimum Purchase: 0.00

Threshold Weight 1st 2nd Threshold 1.000 0.000

Minimum Item Value: 0.00

Minimum Item Weight: 0.000

Maximum Item Weight: 0.000

Reward Entered By cashiers

Use PLU Threshold Multiplier

Exclude Items with 'Prohibit Discount'

Return Item Eligibility

Inject From MA: [Dropdown]

MA Balance Type: [Dropdown]

Reduce MA By Reward  Limit MA Reward

Limit MA Reward Type: Maximum Reward Per [Dropdown]

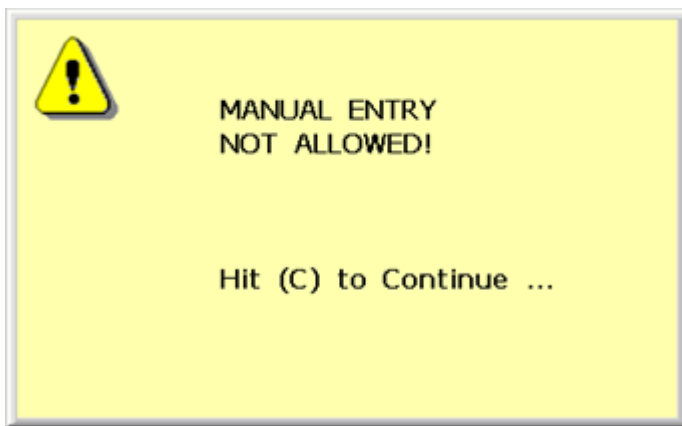
Limit MA Reward Value: 0.00

Accumulate Discount into MA: [Dropdown]

Field	Description
Accumulate Discount into MA	This setting indicates the designated Member Account where discounts will accumulate.

## 159358 – Manual Account Number Entry Prevention (POS)

For Payment Card Industry (PCI) Compliance, the POS no longer permits account numbers to be manually entered at the POS for Credit Cards and Debit Cards. When attempted, the following error message displays to the cashier:



**Note:**

The General System Parameters "Times to Swipe Card Before Manual Entry" and "Seconds Before Credit Card Number Can Be Entered" (located in the Store \ POST \ Monetary \ Cards folder) are no longer used for Credit Card and Debit Card tenders. Repeated bad card swipes will require another tender to be used.

**Note:**

The Card Range Maintenance fields "Card Usage" (Basic Setup Tab) and "Key Entry not Allowed" (Authorization Tab) are no longer used for Credit Card and Debit Card tenders.

## **167123 – LaneHawk Support for 92U Keyboards (POS)**

The ISS45 interface with LaneHawk is now supported in sites using Fujitsu 92U Keyboards. (Previously, the LaneHawk interface was only supported in sites with touch-screen POS terminals).

When the LaneHawk interface window has focus (after totaling the ticket), ISS45 now traps keystrokes normally sent to the POS and sends messages to LaneHawk when the ENTER (13), CLEAR (4), UP (328) or DOWN (336) keys are pressed. (All other key presses are ignored). When the LaneHawk interface no longer has focus (after “below the basket” item resolution has completed) processing continues as normal.

## 223858 – Post WIC Pre-Authorization Swipe Prevention (POS)

PIN Pad logic has been changed in this release to prevent a payment terminal from returning to a swipe card state after an Online WIC EBT pre-authorization. The PIN Pad is now only reset (to allow the next tender card swipe) until after the cashier selects whether to apply benefits.

**Note:**

This change also prevents the chance that a card could be swiped at an incorrect time when the system is configured to have the customer choose at the PIN Pad whether to apply benefits. A card swipe after the Online WIC EBT pre-authorization (and before the customer is presented with the question to apply benefits) could cause a tender mismatch error once the selection to apply benefits is made.

## **225883 – Disabled Scanner at Drawer Open (POS)**

To prevent inadvertent scans when the POS waits for the cash drawer to be closed, the scanner is now temporarily disabled until the drawer is closed. In previous releases, the scanner remained enabled after the drawer opened. Items scanned during that time were buffered and inserted into the beginning of the next ticket when the drawer closed.

## **246742 – Maximum Manual Fuel Increase (POS)**

Keyboard Function 1423 (Manual Fuel Entry) can now be used at the POS to enter a fuel purchase amount up to a maximum of \$9,999.99. In previous releases, \$999.99 was the maximum amount that could be entered.

## **246745 – Units per Case Increase (FO)**

The Units per Case field (PLU Maintenance Screen's Cost and Sales Tab) can now accept a maximum amount of 9,999 to accommodate general merchandise items have a case size greater than 1000 (e.g. bolts). (In previous releases, the largest units per case amount allowed was 999).

## 246753 – U-Scan Frequent Shopper Prompt at Start of Ticket (FO\POS)

A new parameter found in this release will enable prompting for a Frequent Shopper card at the beginning of a U-Scan transaction.

### Front Office

#### New Parameter

As part this enhancement, the following General System Parameter has been established in the Store \ POST \ Monetary \ Frequent Shopper folder.

Parameter	Explanation
Prompt for Frequent Shopper on U-Scan	This parameter causes the Frequent Shopper prompt at the start of a ticket to function on a U-Scan terminal.

### POS

When the new General System Parameter “Prompt for Frequent Shopper on U-Scan” is set to “Yes”, the customer will be prompted for their Frequent Shopper Number at the start of a transaction at a U-Scan terminal.

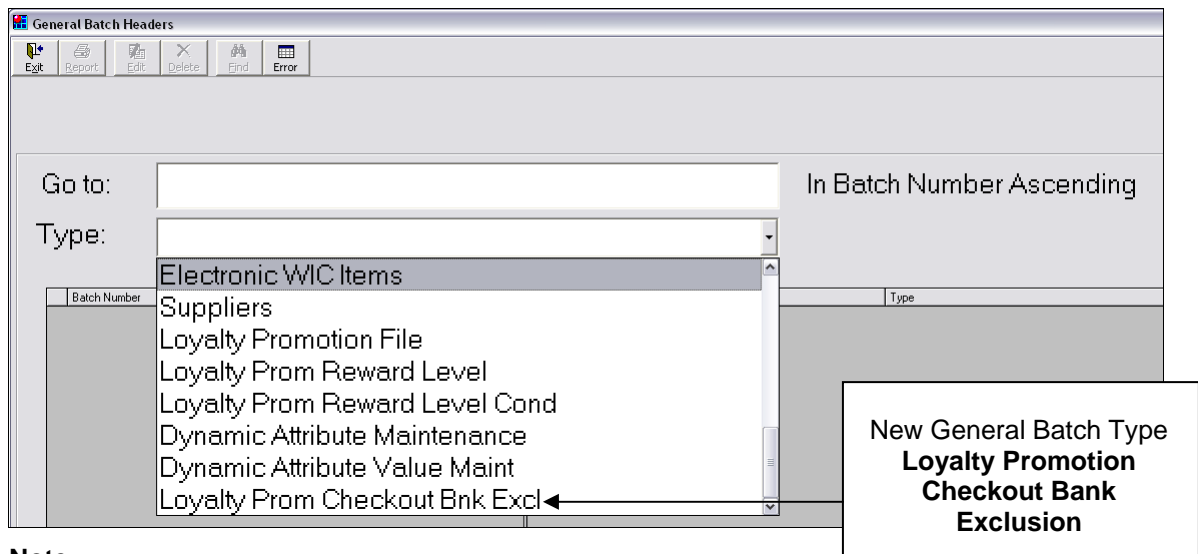
## 251570 – Retailx Loyalty Promotions by Checkout Bank (FO)

A new General Batch Type has been added in this release to allow retailers the ability to exclude Retailx Loyalty Promotions from designated checkout banks. For example, through a General Batch a promotion can be defined to trigger only on non-self checkout lanes.

**Note:**

Checkout Banks Exclusion for Loyalty Promotions already exists in Retailx Loyalty Promotion Management. This data can now be sent to ISS45. The creation of the Checkout Banks needs to be performed in Retailx Loyalty. The Checkout Banks must be identical to the ones that are defined in the store.

The new **Loyalty Promotion Checkout Bank Exclusion** Batch Type now displays in the General Batch Headers list.



**Note:**

By default, all the checkout banks will be allowed for a promotion and any checkout bank added to the General Batch will be excluded.

# Technical Reference Appendix

## SQL Changes

### New Tables

The following new tables and supporting fields have been added in ISS45 Release 8.1.5.4-050.

Table	Field Name	Type	Range	Default	CR
<b>DYNAMIC_ITM_ATTRIB</b>	ITM_ATTRIB_ID	Int	1-9999		<a href="#">20692</a>
	DESCR	Int			
	ITM_ATTRIB_TYP	Tinyint	1-5		
	ALLOW_MMBR_PROM_ATTACH	Bit			
	GENERATE_TRANSACTION	Bit			
	NUM_OF_DECIMAL	Tinyint			
	ALLOW_MMBR_PROM_REWARD	Bit			
	DEFAULT_TXT_VAL	Varchar (50)			
	DEFAULT_NUM_VAL	Int			
FRONT_OFFICE_USE_ONLY	Bit				
<b>DYNAMIC_ITM_ATTRIB_VAL</b>	ITM_ATTRIB_ID	Int			
	ITM_ATTRIB_VAL_ID	Float			
	DESCR	Varchar (50)			
<b>PLU_DYNAMIC_ATTRIB</b>	ITM_ID	Float			
	ITM_ATTRIB_ID	Int			
	ITM_ATTRIB_VAL_ID	Int			
	DESCR	Varchar (50)			
	ITM_ATTRIB_YES_NO	Tinyint			
<b>GEN_BTCH_DYNAMIC_ITM_ATTRIB</b>	BTCH_ITM_ID	Int			
	GEN_BTCH_NBR	Int			
	SEQ_ID	Bigint			
	DT_CREATED	DateTime			
	OPCODE	Tinyint			
	STATUS	Int			
	ENTITY_ID	Float			

Table	Field Name	Type	Range	Default	CR
	ITM_ATTRIB_ID	Int			
	ATTRIB_NUM_VAL	Int			
	ATTRIB_TXT_VAL	Varchar (50)			
	ITM_ATTRIB_YES_NO	Tinyint			
	ENTITY_TYPE	Tinyint			
<b>LNKD_DYNAMIC_ATTRIB</b>	ENTITY_TYPE	Tinyint			
	ENTITY_ID	Float			
	ITM_ATTRIB_ID	Int			
	ATTRIB_TXT_VAL	Varchar (50)			
	ATTRIB_NUM_VAL	Int			
<b>GEN_BTCH_LOYALTY_MMBR_PROM_CHKOUT_BNK</b>	BTCH_ITM_ID	Int		Not Null	<a href="#">251570</a>
	GEN_BTCH_NBR	Int		Not Null	
	SEQ_ID	Int		Not Null	
	DT_CREATED	DateTime		Not Null	
	OPCODE	Tinyint		Not Null	
	STATUS	Int		Not Null	
	MMBR_PROM_ID	Float		Not Null	
	MMBR_PROM_TYP	Tinyint		Not Null	
	BNK_ID	Int		Not Null	

**Note:**

The new SQL tables can be maintained through Retalix Data Deploy.

**New Fields to Existing Tables**

The following new fields have been added to existing ISS45 tables in Release 8.1.5.4-050.

Table	Field Name	Type	Range	Default	CR
<b>LOYALTY_MMBR_PROM_REWARD_LEVELS</b>	EXTRACT_REWARD_FROM	Int			
	REWARD_ELEMENT	Int			
<b>GEN_BTCH_LOYALTY_MMBR_PROM_REWARD_LEVELS</b>	EXTRACT_REWARD_FROM	Int			<a href="#">20692</a>
<b>MMBR_ACCT</b>	BALANCE_EXPIRATION_SCOPE	Tinyint			<a href="#">20896</a>
	EXPIRATION_PERIOD	Int			
	EXPIRATION_REPETITION_PERIOD	Int			

Table	Field Name	Type	Range	Default	CR
	EXPIRATION_REPETITION_MONTH	Tinyint			
	EXPIRATION_REFERENCE_YEAR	Int			
GEN_BTCH_MMBR_ACCT	BALANCE_EXPIRATION_SCOPE	Tinyint			
	EXPIRATION_PERIOD	Int			
	EXPIRATION_REPETITION_PERIOD	Int			
	EXPIRATION_REPETITION_MONTH	Tinyint			
	EXPIRATION_REFERENCE_YEAR	Int			<a href="#">20896</a>
MMBR_ACCT	INHERIT_FROM_MA_FLAG	Bit			
	INHERIT_SCOPE	Tinyint			
	INHERIT_FROM_MA_ID	Int			
GEN_BTCH_MMBR_ACCT	INHERIT_FROM_MA_FLAG	Bit			
	INHERIT_SCOPE	Tinyint			
	INHERIT_FROM_MA_ID	Int			<a href="#">20989</a>
LOYALTY_MMBR_PROM	ACCUMULATE_DISCOUNT_INTO_MA_FG	Bit			
	DISCOUNTS_ACCUMULATING_MA_ID	Int			<a href="#">21403</a>
GEN_BTCH_LOYALTY_MMBR_PROM	ACCUMULATE_DISCOUNT_INTO_MA_FG	Bit			
	DISCOUNTS_ACCUMULATING_MA_ID	Int			<a href="#">21403</a>

## New TLOG Transaction

The layout of the new Dynamic Attribute Information Transaction (0x70 0x9A) is as follows:

Bytes	From	To	Data	Bits	Explanation	Remarks
1	0	1	Opcode		70 – Log Information	
1	1	2	Function		0 x 9A TRANS_INFO2_DYNAMIC_A TTRIBUTE	
7	2	9	PLU Code		BCD KEY PLU Number	
1	9	10	Record type		1 – Att Value open text 2 –Att Value Combo 3 – Att Value Amount	
2	10	12	Att ID			
1	12	13	Subject			Dynamic attribute allocated to PLU or Department
1	13	14	Flag			
				Bit 0	Allow As Member Promotion Reward	
				Bit 1	MRP	
				Bit 2	DataTrsFollows	This flag indicates that the transaction TRANS_INFO2_DATA will follow, and it will have the item attribute text value if it exists.
				Bit 3	Prohibit Promotion Reward	
				Bit 4	Promotions Allowed On This Attribute	
				Bit 5	Send Dynamic Attribute Transaction	
				Bit 6	Not Used	
				Bit 7	Not Used	
4	14	18	Att Value			
21	18	39	Not Used			
4	39	43	Override Att Value			

Bytes	From	To	Data	Bits	Explanation	Remarks
1	43	44	Flags	Bit 0	Value is override	
				Bit 1	Not Used	
				Bit 2	Not Used	
				Bit 3	Not Used	
				Bit 4	Not Used	
				Bit 5	Not Used	
				Bit 6	Not Used	
				Bit 7	Not Used	
20	44	64	Tail			
64			Total			

## Out of Scope

Limitations of new features in this release are listed below (and were not addressed in development).

**Note:**

The limitations below are known as of this writing, and are provided in order to assist users and support personnel to plan, install and operate the capabilities described in this document. While StoreNext Retail Technologies LLC endeavors to ensure that this information is correct and fairly stated, no attempt is made here to catalog all limitations that could be construed or that may become known in the course of use or experience.

FSD Number	Enhancement	Out of Scope
17483	Loyalty Promotion Disabling	Changes made to support Loyalty Promotion Disabling were made for the current release only (and will not be made to previous ISS45 releases).
18785	PLU and General Batch Processing Improvements	Changes made to support PLU and General Batch Processing Improvements were made for the current release only (and will not be made to previous ISS45 releases).
20692	Dynamic Item Attributes	<p>Changes made to support Dynamic Item Attributes were made for the current release only (and will not be made compatible with previous ISS45 releases).</p> <p>Dynamic Item Attributes development excluded:</p> <ol style="list-style-type: none"> <li>1. Adding Dynamic Attributes to the PLU Item Selector.</li> <li>2. Adding Dynamic Attributes to PLU Item Selection Criteria.</li> <li>3. Adding Electronic Journal search capability based on DIAs.</li> </ol>
20896	New Account Accumulator and Expiry Settings	Changes made for the New Account Accumulator and Expiry Settings were made for the current release only (and will not be made to previous ISS45 releases).
20989	Member Account Point Inheritance	<p>Member Account Point Inheritance is available for the current release only (and will not be made compatible with previous ISS45 releases).</p> <p>Member Account Point Inheritance development excluded:</p> <ol style="list-style-type: none"> <li>1. Any changes to the WinPOS application.</li> </ol>
21403	LPE Member Account Reward Accumulations and Linking	<p>LPE Member Account Reward Accumulations and Linking is available for the current release only (and will not be made compatible with previous ISS45 releases).</p> <ol style="list-style-type: none"> <li>1. Any changes to the WinPOS application.</li> </ol>

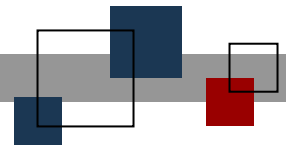
FSD Number	Enhancement	Out of Scope
159358	Manual Account Number Entry Prevention	Manual Account Number Entry Prevention is available for the current release only (and will not be made compatible with previous ISS45 releases).
225883	Disabled Scanner at Drawer Open	Disabled Scanner at Drawer Open is available for the current release only (and will not be made compatible with previous ISS45 releases).
246742	Maximum Manual Fuel Increase	Maximum Manual Fuel Increase is available for the current release only (and will not be made compatible with previous ISS45 releases).
246745	Units per Case Increase	Units per Case Increase is available for the current release only (and will not be made compatible with previous ISS45 releases).
246753	U-Scan Frequent Shopper Prompt at Start of Ticket	U-Scan Frequent Shopper Prompting at Start of Ticket is available for the current release only (and will not be made compatible with previous ISS45 releases).

## Dependencies

Dependencies to utilize new features in this release are listed below.

FSD Number	Enhancement	Dependencies
20692	Dynamic Item Attributes	1. Retailix Loyalty is required for linking DIAs to Loyalty Promotions.





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