SIPServer					□ X

Configure   Help

Reset	ACS Status	Common Parameters	Currency	Patron Information	Item Information
Clear	Listening	☐ Mute			

Index	Data		Port	Timestamp
1	Listening		6001	11/12/2007 9:05:05 AM

SIPServer_NET User Guide

Valid as of Version 2.10.002.0

New Features:

Multiple response controls:

These controls now offer dynamic text formatting. The first text box will contain a default format which will be used to populate the multiple responses after a numeric value greater than 0 is typed into the second text box.
The text of the format will be used literally except for the characters '#' and '*'.
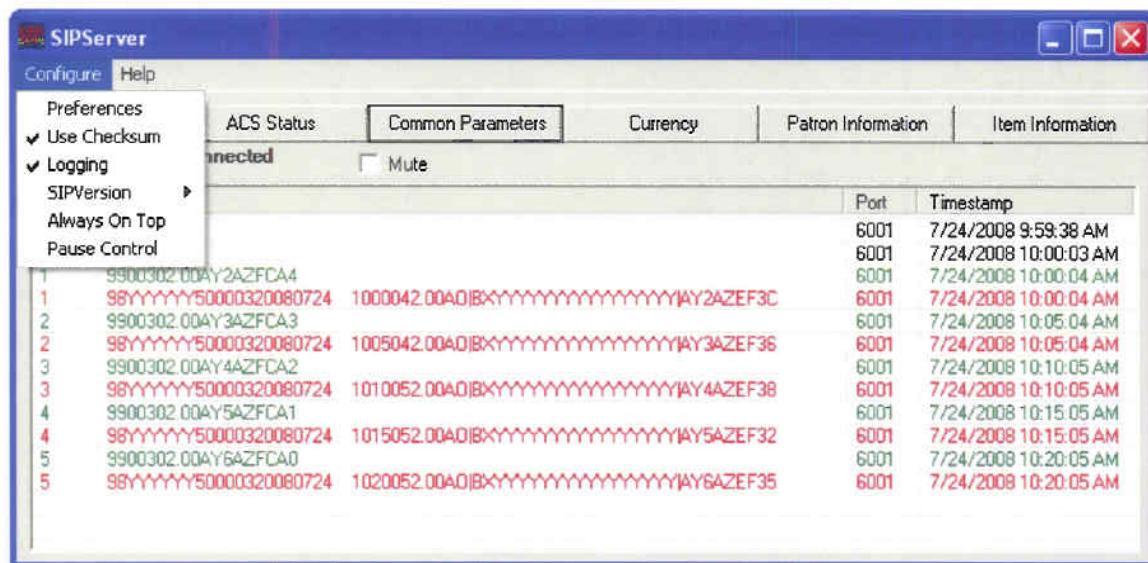The '#' character will be dynamically changed to the index number of the message within the list.
The '*' character will be dynamically changed to a random number between 0 and 9.
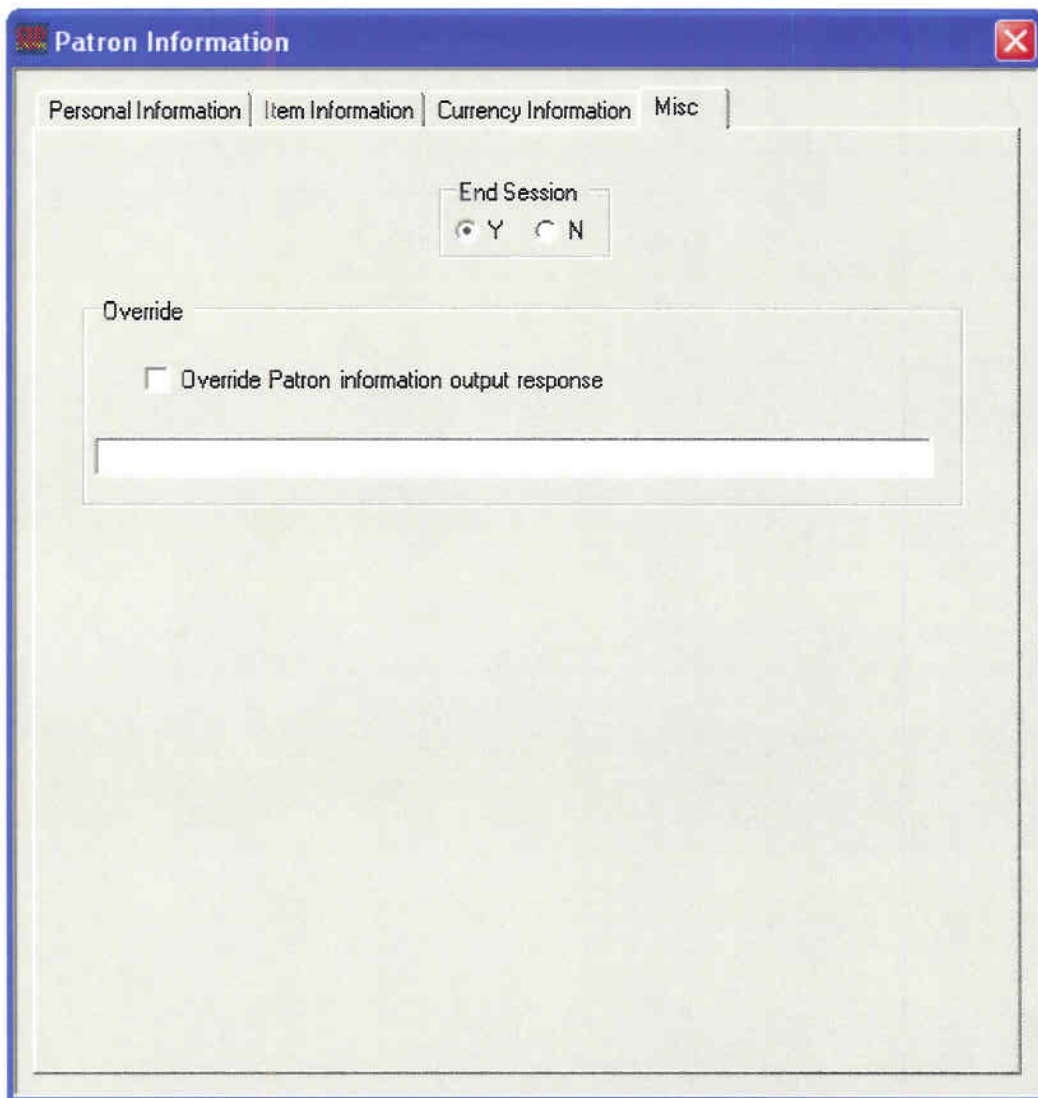
Examples: (Each producing 3 responses)
will produce the list: 111, 222, and 333.
*** will produce a list something like: 234, 534, and 782
Test Item # will produce a list of: Test Item 1, Test Item 2, and Test Item 3

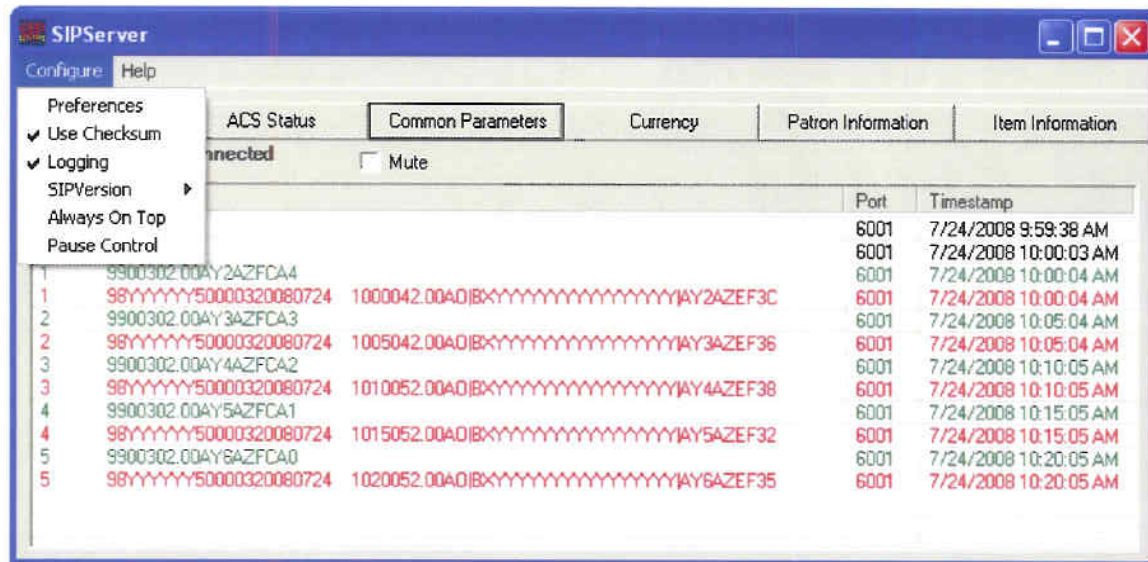Added the ability to turn off the Checksum calculations.

Patron Information response override control added. Use this control to test actual responses from log files.

Introduction:

Configure Menu

The configure menu is the access point for all settings to the SIPServer application.

Preferences opens a form that handles all communication and connection settings for the application.

Use Checksum toggles whether or not the checksum values are added to the ends of responses.

Logging toggles the logging feature of the application. It is on by default.

SIPVersion allows easy switching between different versions of SIP responses

Always On Top toggles a feature to keep the application on top of all other applications on the desktop.

Pause Control opens a form to control how fast responses are given to individual requests.

PREFERENCES
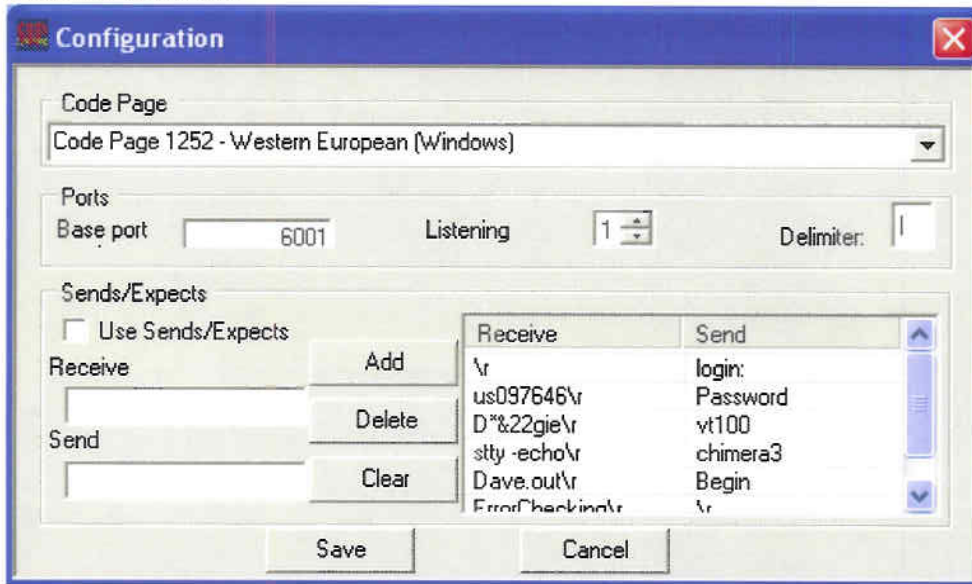
Code Page

    Used to select the code page of the response.

Ports

    Base port is used to adjust the port that the application is listening on. Changes to this setting will be saved in the registry and recovered each time the application is started.

    Listening is currently unused but will eventually open multiple listening ports to support multiple SIP clients.

    Delimiter allows easy changing of the field delimiter character. Changes to this setting will be saved in the registry and recovered each time the application is started.

Sends/Expects

    This feature is used to mimic an ILS system that uses extra machine security that requires connecting systems to perform a log-in script before accessing the system.

    The feature will compare all messages it receives to the list of strings in the Receive column. If a match is found, the corresponding Send string is sent. Changes to these settings are not saved in the registry and will be lost when the application is shut down.

LOGGING

Logging is turned on by default. The log files is located in "C:\Program Files\QA\SIPServer.NET\Logs" and is overwritten each time SIPServer is started. The logs will contain all strings displayed in the main panel of the application (Requests, Responses, connection states, manually entered strings)
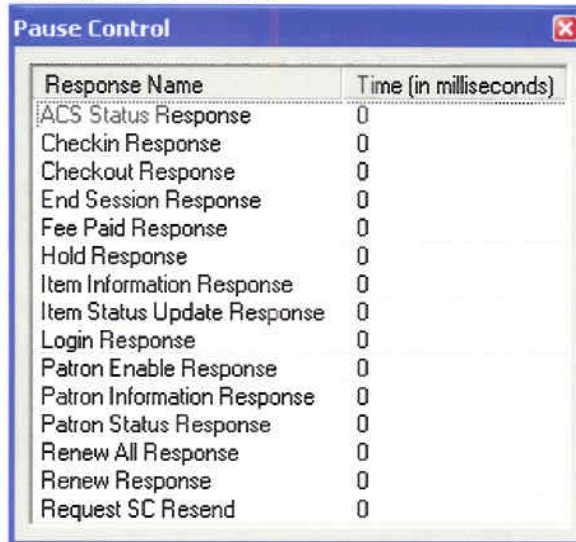
SIPVERSION

Currently SIP has two published versions (1.0 and 2.0). The SIPVersion is defaulted to 2.0; changes to this setting will be lost when the application is shut down. The 1.0 setting will withhold all 2.0 data and responses. (For more information on the SIP versions see 3M Standard Interchange Protocol document.

ALWAYS ON TOP

This setting will keep the SIPServer application on top of all other open applications.

PAUSE CONTROL

| Response Name	Time (in milliseconds)
ACS Status Response	0
Checkin Response	0
Checkout Response	0
End Session Response	0
Fee Paid Response	0
Hold Response	0
Item Information Response	0
Item Status Update Response	0
Login Response	0
Patron Enable Response	0
Patron Information Response	0
Patron Status Response	0
Renew All Response	0
Renew Response	0
Request SC Resend	0

Used to replicate additional processing time by the ILS or poor network conditions each response can be delayed by precise timings (to the mS)

Click on the desired response(s) then type the desired numeric data (in mS).

Pressing Ctrl-A will select ALL responses.

Hold the Ctrl key down while clicking selections will select desired responses.

HELP
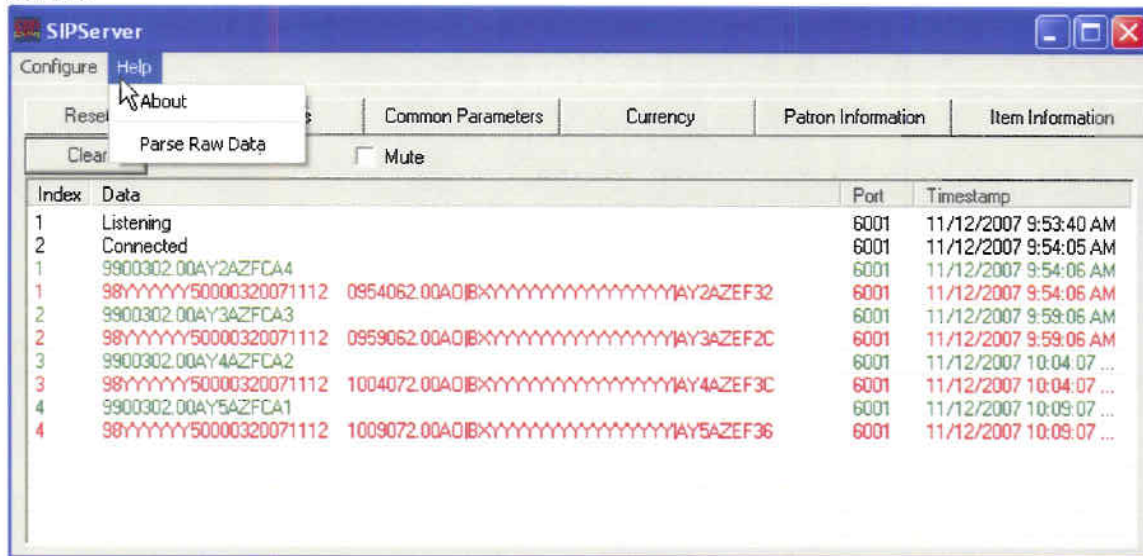
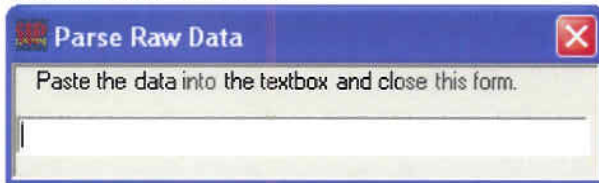Offers additional features found useful for testing over the years.

ABOUT

Version

       The version of the application.

Localhost IP address

       The IP address of the machine that SIPServer is installed on. When combined with the port information in the Preferences form will create the connection information needed by client applications to connect to the SIPServer application.

PARSE RAW DATA

Parse Raw Data
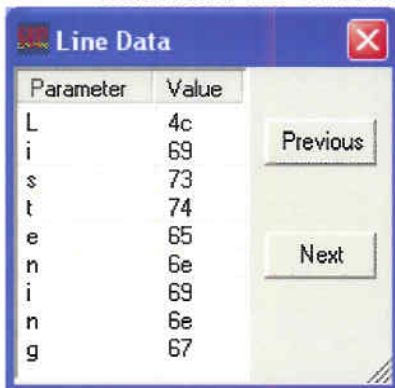
Paste the data into the textbox and close this form.

Use to manually insert information into the application for parsing. Strings not recognized as SIP will be parsed into hex code.

Copy the desired string information into the system clipboard.

Make sure the text box on the form has focus.

Press Ctrl-V to transfer the string information into the text box.

Close the form by clicking the red X. The information will be transferred into the main form and will automatically open the parsed information.
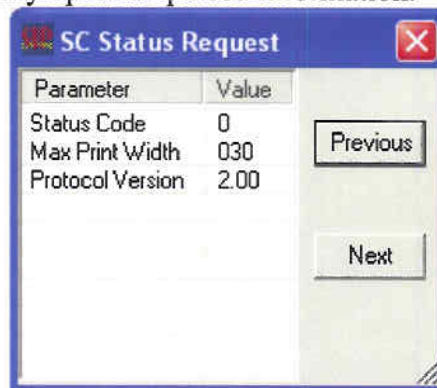
Line Data

Parameter	Value
L	4c
i	69
s	73
t	74
e	65
n	6e
i	69
n	6e
g	67

Previous

Next

String data parsed into hex code

SC Status Request

Parameter	Value
Status Code	0
Max Print Width	030
Protocol Version	2.00

Previous

Next

SIP data parsed into field information

MAIN WINDOW
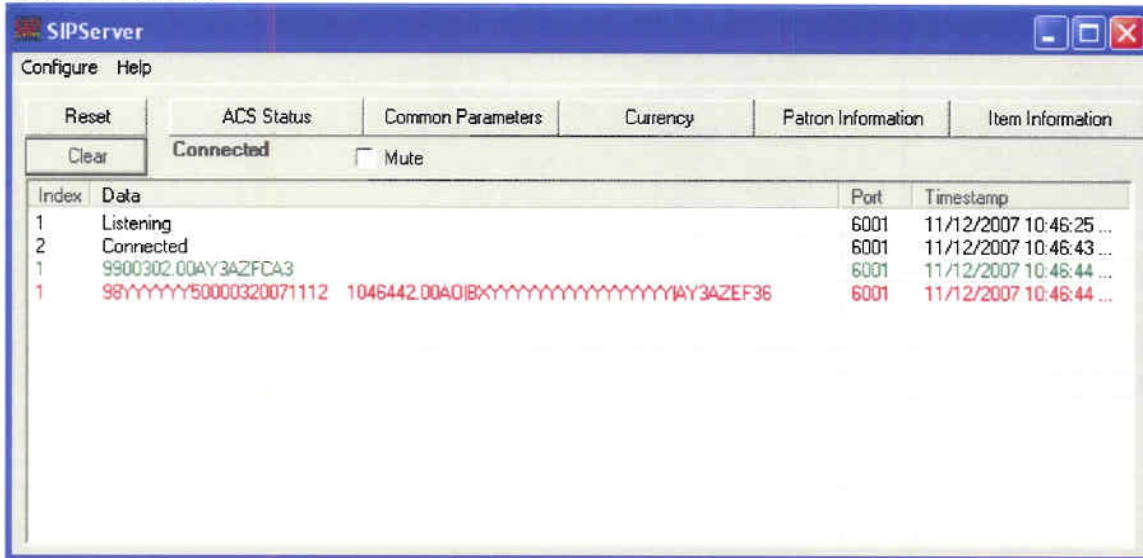
Clicking on the line information in the main window will parse the line information and display it in a new window. Line information not recognized as SIP information will be parsed into individual HEX data.

Reset Button

  This will drop the current connection(s), clear the messages list, and resume listening on the configured port.

Clear Button

  Clears the messages list.

Mute Checkbox

  Turns off responses from SIPServer. This is useful in mimicking a hung ILS.

ACS Status button

  Opens a form to control the settings pertaining to the ACS Status response

Common Parameters button

  Opens a form to control parameters common to all SIP response.

Currency button

  Opens a form to control how currency requests are handled.

Patron Information button

  Opens a form to control all information pertaining to all Patron information.

Item Information button.

  Opens a form to control all information pertaining to an item's information.

COMMON PARAMETERS

Common Parameters	_ □ ✕

Institution ID (AO)

Screen Messages | Print Lines

Checkin

Checkin Screen Message #

3 | Add New Lines Here. ▼

Renew

Renew Screen Message #

0 | Add New Lines Here. ▼

Checkout

Checkout Screen Message #

0 | Add New Lines Here. ▼

End Session

End Session Screen Message #

0 | Add New Lines Here. ▼

Hold

Hold Screen Message #

0 | Add New Lines Here. ▼

Fee Paid

Fee Paid Screen Message #

0 | Add New Lines Here. ▼

Item Information

Item Information Screen Message #

0 | Add New Lines Here. ▼

Patron Information

Patron Information Screen Message #

0 | Add New Lines Here. ▼

Item Status Update

Item Status Update Screen Message #

0 | Add New Lines Here. ▼

Renew All

Renew All Screen Message #

0 | Add New Lines Here. ▼

Patron Status

Patron Status Screen Message #

0 | Add New Lines Here. ▼

ACS Status

ACS Status Screen Message #

0 | Add New Lines Here. ▼

Patron Enable

Patron Enable Screen Message #

0 | Add New Lines Here. ▼

Institution ID (AO)

Used in almost all SIP responses. It doesn't need to change so it is located in this form.

Screen Messages/Print lines

Also used in almost all SIP responses. Screen Messages and Print Lines are assigned to individual responses. Multiple messages (multiple AF or AG fields in the same message) are done by using the integer text box. The text of the message is dynamically generated using the format string of the control. Use a * character to generate a random number between 0 and 9. Use a # character to be replaced with the index number of the message.

CURRENCY

"Apply the ..." checkbox will automatically deduct the amount in a fee paid request from the amount found on the Patron Information's Currency Information tab.

PATRON INFORMATION
Personal Information

Patron ID (AA)

    /bc in the Patron ID field will return the same ID as the request.

Patron Status

    The red text in the Patron Status group represents the only flags that SelfCheck is concerned with.

Item Information

Typing a number in the first text box of the optional Patron information choices will automatically add that many responses to the patron information request based on the format of the controls text. Both the number and the string are used in the Patron Information response. Additional strings can be added or removed from the lists.

In the picture above you can see that the Fine items count control created 2 entries based on the format string. The * characters were replaced with random numbers between 0 and 9 which created a random 13 character item ID and a random fine amount. The # character was replaced with the entries index number creating items titles of "Test Title 1" and "Test Title 2".

Misc: Patron Information Response override

Patron Information

| Personal Information | Item Information | Currency Information | Misc |

End Session
- ⦿ Y   ○ N

Override

☐ Override Patron information output response

[   ]

Paste Patron information responses from log files directly into the output from SIPServer.
Note: 1) Do not include the original Checksum value from the log statement.
        2) You must create filters within SelfCheck to match the patron ID of the
response.

ITEM INFORMATION
Item Information

Item Identifier(AB)

    /bc in the Item Identifier(AB) field will return the same ID as the request

DueDate Option

    According to the SIP specification a Due Date is an optional field in the Item Information request. Use this checkbox to use the Due Date field from the Checkout tab.

Recall Date (CJ) and Hold Pickup Date (CM)

    Click the plus button to toggle the value between "+" and "-".

Checkout

Support Automatic Check-in

> This checkbox will become enabled when the Checkout OK field is set to '0'. The feature will automatically switch the Checkout OK field to a '1' after the first checkout response is sent.

Fee Amount (BV)

> Enter a number greater than 0 will automatically set the Checkout OK field to '0' and enable the "Allow Checkout when Fee Acknowledged" feature.

Allow Checkout when fee acknowledged

> This checkbox will become enabled when a Fee amount is provided. The feature will automatically switch the Checkout OK field to a '1' as long as the Checkout Request has its Fee Acknowledged field set to "Y".

Apply to all checkouts/xx items

> Used to automatically switch back to a non-fee checkout after the counter runs down to "0" or make all items a fee item.

Due Date (AH)

> Used for Checkout responses and Item Information responses. You can set the format to any recognized Windows date format and generate random due dates. Click the "+" button to toggle between "+", "-", or "+/-" which gives a 50/50 random selection.