



Enhancements & Fixes for Halcyon IBM i Product Suites and Network Server Suite

Covering releases: January to March 2013

(IBM i: 2013.017 to IBM i: 2013.086 inclusive)

(NSS: 2013:007 to NSS: 2013.057 inclusive)

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Foreword

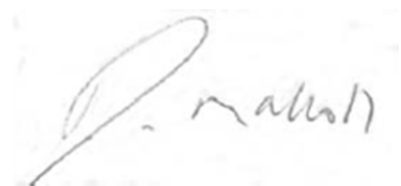
By Donnie MacColl, Technical Services Director

This update covers product enhancements and fixes between January and March 2013 for all Halcyon IBM i Software Suites and Network Server Suite.

These update notifications are intended to provide customers with the technical release information of all the latest product enhancements and fixes of our software so you can decide if you need to, or wish to, upgrade from your current version of Halcyon Software to a newer version.

Information contained in these documents is aimed at technical analysts, administrators and operations staff responsible for the maintenance of our software on their own systems or their client's IBM i (iSeries) systems.

These release notes will also assist with change and version control by providing the information and reasons as to why an upgrade is required.



Donnie MacColl

About Donnie MacColl



Prior to becoming Director of Technical Services at Halcyon Software Ltd, Donnie MacColl has worked for more than 20 years in the IT industry. He first specialized in the management of IBM i systems, (iSeries, AS400), in general manufacturing and logistics companies. Later on in his career Donnie was Network Manager for one of the largest telecommunications corporation in Europe.

He is regular speaker at international IBM events, including IBM Common in Europe and the USA, as well as the Interaction Conference in Australia.

Donnie specialises in advising companies on how to keep a tight control on the management of operations, critical processes, and core services across increasingly complex infrastructures and multi-platform environments.

He has worked with many industry sectors in his time at Halcyon Software to help improve cost efficiencies by implementing solutions in large European and US data centers in companies such as Computacenter, Parker Hannifin, Cap Gemini, Getronics, Logica, BGL Group (Budget Insurance), Arcadia and SunGard Public Sector.

Halcyon IBM i Product Suites

The following product suites are covered within this document:

Level 1 Message Management Suite



Our entry level suite for the IBM i. Closely monitor all your system messages, key applications and critical business processes.

Featuring:

- Message Monitoring
- FTP Monitoring
- TCP/IP Monitoring
- Output Queue Monitoring
- Device Monitoring
- Job Queue Monitoring
- SLA Reporting

Level 2 Systems Operations Suite



Monitor your IBM i system messages and automate the control of significant events.

All the features, of the Message Management Suite, plus:

- Object Monitoring
- Performance Monitoring
- Distribution Queue Monitoring
- User Profile Monitoring
- Inactivity Monitoring
- Audit Journal Monitoring
- Restricted Tasks Management

Level 3 Advanced Automation Suite



This level enables you to optimize performance, disk space and spool file management on your IBM i.

All the features of the Systems Operations Suite, plus:

- Performance Management
- Performance Snapshots GUI
- Disk Space Management
- Disk Space Explorer GUI
- Spooled File Management

Level 4 Operations Center Suite



Raise your operational control to the ultimate level. Contains all the functionality of the previous levels 1 to 3, plus the most advanced job scheduler available today.

Our flagship software suite contains all the features of the previous three suites, with the addition of:

- Advanced Job Scheduling



Halcyon Network Server Suite

Halcyon's Network Server Suite has been designed to provide a comprehensive monitoring solution to keep a close eye on all your critical servers, applications and devices across a multi-platform environment including Windows®, AIX® and Linux®.

How to use this document:

This publication is split into two chapters:

- Product Enhancements
- Product Fixes

Each of these chapters is then split in the following order:

- **Common Library**

These are enhancements and fixes that affect all products suites from Level 1 (Message Management Suite) through to Level 4 (Operations Center Suite).

- **Specialist Products** (listed alphabetically)

These are enhancements and fixes that affect individual products which are contained as modules in one or more of Halcyon's Product Suites.

For example, an enhancement to Audit Journal Manager is only applicable to Level 2 (Systems Operations Suite), Level 3 (Advanced Automation Suite) and Level 4 (Operations Center Suite).

- **Individual Change Reference**

Each enhancement and fix is prefixed with a CHGxxxx reference, where xxxx represents a combination of numbers and letters. Within both the Common Library and Specialist Product sections, each enhancement or fix is then listed in numerical and then alphanumeric Change Reference order.

Finding information in this PDF

From within Adobe® Acrobat® Reader®, use either the Search window (accessible from menu options; Edit | Search) or the Find toolbar (shown far right in the image below) to search document content.



Type the text that you wish to use for the basis of the search and press Enter.

We recommend using the CHG reference ID number (for example; CHG03RS), if known, within the Search or Find parameters as this text is unique within the document.

Need to confirm which Halcyon Products you have installed?

If you are unsure which Halcyon products you have installed on your system, type the following command onto the command line within your Halcyon environment:

```
DSPPRDINF
```

Alternatively, from within the Halcyon product menu, select option 70=Technical Information Menu followed by option 1=Display Product Information.

If you are still unsure, please contact: technicalservices@halcyonsoftware.com



Enhancements and Fixes

IBM i Product Suite Enhancements

The following enhancements have been made to Halcyon IBM i Product Suites between January and March 2013, covering releases IBM i: 2013.017 to IBM i: 2013.086.

Common Library - Actions

Reference: CHG05H7 New 'Copy Actions' command allows you to copy actions from Event Manager Rules

The Copy Actions command (CPYACT) allows you to copy Actions from a specific Rule to all the Rules in a specific Rule Group as *ADD or *REPLACE. This enhancement supports the following Rules:

- Output Queue
- Device
- Job Queue
- Performance
- User
- Distribution Queue
- Inactivity
- Object

Reference: CHG05HD New 'Copy Actions' command allows you to copy actions from Message Manager Rules

The Copy Actions command (CPYACT) allows you to copy Actions from a specific Rule to all the Rules in a specific Rule Group as *ADD or *REPLACE. This enhancement supports the following Rules:

- Message Queue
- TCPIP

Common Library – Authorization Codes

Reference: CHG05KI Authorization Codes can now be input for a *REMOTE system

Halcyon now allows you to apply an Authorization Code for a *REMOTE system on the *LOCAL system, even though it is invalid for the *LOCAL system. This is to help in HA switchovers.

Common Library – Auto Upgrade Solution

Reference: CHG052P Auto Upgrade Solution Control Panel can now handle DBCS data

The Auto Upgrade Control Panel (CTLPANEL) within HALINST can now handle Double Byte Character Set (DBCS) Environment descriptions.

Common Library – Customizations

Reference: CHG058R Infor10 ERP iBusiness (System 21) templates available

Infor10 ERP iBusiness (System21) templates are now available for the IBM i, allowing you to customize your existing rules.

Common Library – Object Rules

Reference: CHG057H Object Type Rule can now raise an alert based on object age

The Object Monitor now allows you to raise an alert based upon the age of any Object Type that is valid in an Object Rule. The following new fields are now available on all Object Rules:

Object age:

- *CREATE
- *LASTUSED
- *LASTCHG

These three values allow you define which date is to be used to compare the Age against. You can check against the Date Created, Date Last Used or the Date Last Changed. If the Date Last Used is not available the Date Last Changed will be used. The default value is *LASTCHG.

Comparison:

- *EQ,
- *NE
- *LE
- *GE
- *LT
- *GT

Age in days:

Specifies the number of days to compare the object age against.

Reference: CHG057J Enhanced reporting of errors in Object Monitor for *IFS Rules

The Object Monitor now adds messages to the Halcyon Message Log for *IFS Rules when it is unable to process an *IFS folder.

Common Library – Performance Monitor

Reference: CHG05CG Performance Monitor can now handle 2,048 active subsystems

The Performance Monitor can now cater for a total of 2,048 Subsystems being active at the same time. This limit was previously 256.

Advanced Job Scheduler

Reference: CHG059D Support added for iASP in Work with Groups and Jobs

Advanced Job Scheduler now supports the use of iASPs. Within a Group or Job you can now specify the 'Initial ASP group' as a parameter on page 5 and as part of the Library List options.

Reference: CHG05AP Sort order changed on Work with Groups/Jobs Run History display

Work with Groups (WRKGRP) now shows run history (page 8 on a Group / page 11 on a Job) in descending chronological order (i.e. the most recent at the top of the display).

Reference: CHG05AQ Work with Groups now allows sorting/positioning by Description

Work with Groups (WRKGRP) now allows you to sort/position by 'Description' as well as 'Name'. To switch between the two, use the new F15=Sort key, available from this display.

Authority Swapper

Reference: CHG056U Job can now be displayed when initiating a Swap Session

Initiate Swap Session now includes a new option '5=Display' on the 'Start Swap Session - Select Job' display which allows you to display the selected Job (i.e. DSPJOB command).

Document Management System

Reference: CHG0575 *NO can now be specified for Segment Headers even if Hard Copies required

Work with Recipient Lists (WRKRCPL) would not allow *NO for Bundle or Segment headers if the Recipient List Entry had the 'Hard Copies' parameter set to *YES.

This has now been enabled. If you now set either or both of these parameters to *NO you receive a warning message to highlight that the hard copy output will not have headers which may make it difficult to know who to distribute the hard copy output to.

Reference: CHG05FT The latest, all but latest or latest only spooled files can now be contained in a Segment

A new 'Multi-copy action' parameter has been added to Segments, within Bundles, that are set to a zero age tolerance. This new parameter allows you to specify which archived spooled files to include in the Segment which are dated the same as the date of the run:

- *CURRENT** Include the newest available archived spooled file for the Report Type that has a creation date the same as the run date and a creation time no longer than the run time. This replicates previous functionality and is the default.
- *PREVIOUS** Include all, except the most recent, available archived spooled files for the Report Type that have a creation date the same as the run date and a creation time no later than the run time.
- *ALL** Include all, including the most recent, available archived spooled files for the Report Type that have a creation date the same as the run date and a creation time no later than the run time.

Reference: CHG05GB Help text updated for *MASK in Report Type advising on use of literal characters

Online help for Work with Report Types (WRKRPTTYP) did not explain that for a *MASK Index, any characters which are not special characters are treated as literals. This has been updated.

HA-MX Monitor

Reference: CHG055M v11.0 of HA/MX Monitor released

Version 11.0 of Halcyon HA/MX (Mimix) Monitor is now available.

Spooled File Manager

Reference: CHG056P User's default Subset Template is always applied on first access

Halcyon Work with Spooled Files (WRKSPLF) and Work with Archived Spooled Files (WRKARCSPLF) now always applies a User's default Subset Template on first access.

Reference: CHG059Q Subset Templates can be copied and renamed

Work with Subset Templates (WRKSUBTMP) now has options available for use against a Template:

- **3=Copy** This copies the Subset Template to a new Template. Please note that User Authorities and Default Template settings for Users are NOT copied.
- **7=Rename** This renames an existing Subset Template. User Authorities and Default Template settings for Users ARE changed to the new name.

Reference: CHG05AI Subset in Work with Spooled Files allows just 'Job name' to be specified

Halcyon Work with Spooled Files (WRKSPLF) now allows you to specify just a Job Name when using F17=Subset.

Please Note

Using just a Job Name can have an impact on performance as it has to list all spooled files based on the other Subset criteria and then establish which are for the specified Job Name. Therefore, if you do not specify a User, as an example, this will process all spooled files for all users which may take a significant amount of time and resources.

Reference: CHG05F6 Enhancements made to Spooled File Manager Scripting

Spooled File Manager Scripting has been enhanced as follows:

Variable Length Fields

Scripting previously treated every variable as 378 in length and treated values as ending at the end of the non-blank characters. This has been changed. Now, scripting supports variable length fields including trailing blanks/spaces. This means that function; %LEN, now returns the correct length including any trailing blanks/spaces.

Example:

Previously, %LEN could see no difference in length for the values 'A' and 'A '. Now it will correctly return different values for %LEN.

Important

This change means that if your script is dependent on the length without the trailing blanks/spaces you need to add the %TRIM function as part of the %LEN to remove the trailing blanks/spaces;
%LEN(%TRIM(&NAME))

Complex Expression Evaluation

Scripting now supports complex expression evaluation up to a maximum length of 1024chars. Previously you could only use simple evaluation, such as:

```
&C = &A + &B  
&D = &C * 10
```

Now, you can combine these evaluations in to a single statement:

```
&D = (&A + &B) * 10  
POSITION 1, &Y +5, &X + 2  
&A = %SUBST(&C,&S+5,&L-1)
```

This also applies to string manipulation (e.g. *CAT) and within an IF statement;

```
IF (&X = 1 OR &X = 2 OR &X = 3) AND (&Z <10 OR &Z >= 20) THEN
```

Reference: CHG05FQ Display Web Log (DSPWEBLOG) now supports 132 column displays

The Display Web Log Data (DSPWEBLOG) command now supports a 132 column display.



Network Server Suite Enhancements

The following enhancements have been made to Halcyon Network Server Suite between January and March 2013, covering releases NSS: 2013.007 to IBM i: 2013.057.

Reference: CHG04D2 SQL Server 2005 Express SP4 included with NSS

Network Server Suite now includes SQL Server 2005 Express SP4.

Reference: CHG05BR NSS M3 Templates updated

The Network Server Suite M3 Templates have been updated to include a new Rule within the File/Folder Monitor.

Please Note

The new templates are only available on new/clean installs, not upon upgrade. If you wish to install these please contact Halcyon Technical Support.

Reference: CHG057U '&DE' Substitution Variable added for Device Description

New Substitution Variable '&DE' has been made available. When used, this Substitution Variable is substituted by a relevant Device Description.

Reference: CHG05GL New IIS & Backup Exec Templates added

New IIS and Backup Exec Templates are now available for use within Network Server Suite.

Please Note

The new templates are only available on new/clean installs, not upon upgrade. If you wish to install these please contact Halcyon Technical Support.

Reference: CHG05GM New HP Data Protector & AIX VIOS Templates added

New HP Data Protector & AIX VIOS Templates are now available for use within Network Server Suite.

Please Note

The new templates are only available on new/clean installs, not upon upgrade. If you wish to install these please contact Halcyon Technical Support.

Reference: CHG05GO New Oracle Linux templates added

New Oracle Linux Templates are now available for use within Network Server Suite.

Please Note

The new templates are only available on new/clean installs, not upon upgrade. If you wish to install these please contact Halcyon Technical Support.



Product Suite Fixes

The following fixes have been made to Halcyon IBM i Product Suites between January 2013 and March 2013, covering releases IBM i: 2013.017 to IBM i: 2013.086.

IBM i Product Fixes

Common Library – Export Rules

Reference: CHG059U Export Rule now allows export of sole Global Exclusions Rules

Export Rule (EXPRULE) would only export Global Exclusions if other Rules were exported as well. This has been fixed.

Common Library – Install

Reference: CHG05B2 STRWEB job description now shipped with correct settings

The STRWEB Job Description within the HAL library was setup incorrectly after install or upgrade. This has been fixed.

Common Library – Monitors

Reference: CHG0596 Object Monitor can now process alerts for very large objects

The Object Monitor would fail if it attempted to Alert for a very large sized object. This has been fixed.

Reference: CHG05AT Performance Monitor *JOB Rules no longer error if Select is set to *ALL and F16 is used to add multiple omits

Performance *JOB Rules would error and prevent saving if you put in a Select of *ALL and then attempted to specify multiple Omits within "F16=More jobs". This has been fixed.

Reference: CHG05DN User authority issues no longer cause a hold lock on STRMON

An attempt to start the Halcyon Monitors by a User not authorized to the User specified to run the actual Monitor jobs would result in a lock being left. This then prevented the Monitors being started by an authorized User. This has been fixed.

Reference: CHG05DU 'Member QSPLF file QSPLF in QTEMP cleared.' messages removed from Job Log

'Member QSPLF file QSPLF in QTEMP cleared.' Messages that were previously written to the Output Queue Monitor job log have now been removed.

Reference: CHG05JA Action Monitor no longer fails if '&MSGKEY' Substitution Variable is used

In certain situations, the Action Monitor(s) would fail if an Action using the '&MSGKEY' Substitution Variable was processed. This has been fixed.

Advanced Job Scheduler

Reference: CHG058X Condition 'X' now works for all 'Window' values

Advanced Job Scheduler was incorrectly assessing a Condition of 'X' (Group not scheduled) for all 'Window' values except *TODAY. This has been fixed.

Reference: CHG05A5 Now possible to 'Hold' a future run of a Group

Work with Schedule (WRKSCH) was not allowing you to hold a future dated run of a Group. This has been fixed.

Reference: CHG05A6 Now possible to 'End' a future run of a Group

Work with Schedule (WRKSCH) was not allowing you to end a future dated run of a Group. This has been fixed.

Reference: CHG05AR STMF Notes now correctly adds '*' to screen within Work with Groups

The Work with Groups (WRKGRP) display was not showing the '*' marker against Groups/Jobs that had Notes, if they were stored in the IFS with System Defaults set as follows;

- HJS NOTESDIR - *DFT
- HJS NOTESTYPE - *STMF

This has been fixed.

Reference: CHG05CB '9=Reply' is no longer available for use against Jobs with CNDI Status

Work with Schedule (WRKSCH) was incorrectly allowing you to use '9=Reply' against a Job in CNDI Status. This has been fixed.

Reference: CHG05D7 Custom Condition Program no longer fails with level check

In certain scenarios, jobs to be run within Advanced Job Scheduler which had a 'Custom Condition Program' specified would fail with a level check on an internal Halcyon file. This has been fixed.

Reference: CHG05DT Export Group no longer fails with decimal data error when exporting to *LOCAL

In certain situations Export Group (EXPGRP) would error if you attempted to export to *LOCAL. This has been fixed.

Reference: CHG05FH \$ (Dollar) in library name no longer changes to £ (British Pound)

Some Halcyon files were incorrectly set to CCSID 285 (UK) which meant that the \$ (Dollar) symbol could be incorrectly changed to £ (British Pound). This has been fixed.

Reference: CHG05HN Schedules initialised at midnight no longer runs all jobs

In extreme conditions if Advanced Job Scheduler was restarted (and therefore initialized) over midnight all jobs scheduled for that day could incorrectly run. This has been fixed.

Disk Space Manager

Reference: CHG05E5 Duplicate record errors are no longer encountered when using multiple GUI

In certain situations, the Disk Space Manager GUI Monitor on the IBM i could fail with a duplicate record error when attempting to add audit records to the data log. This has been fixed.

Reference: CHG05GU Multiple 'Migrate Disk Build' jobs can now be run in batch without locking

In certain situations, multiple 'Migrate Disk Build' jobs running at the same time in batch could lock each other out of the migrations. This has been fixed.

Document Management System

Reference: CHG0597 Special Instructions now included on header page if there is room

Bundles and Segments now put the "Special Instructions" on the header page when there is sufficient room for them, instead of creating a separate page.

Reference: CHG058H Run Bundle *ALLNEW/*ALLRDY now runs all Bundles correctly

Run Bundle (RUNBDL) *ALLNEW would not run all the Bundles it should if a specific Archived Spooled File was specified as part of the RUNBDL command. This has been fixed.

Reference: CHG05AJ Report Types can be directly entered without using 'F17=Change Index'

Work with Indexed Spooled Files (WRKIDXSPLF) was showing an incorrect error message when you directly entered a Report Type rather than using 'F17=Change Index'. This has been corrected.

Reference: CHG05AK Indexes are no longer 'flipped' when displaying archived spooled files

Work with Spooled File Indexes (WRKIDXSPLF) would incorrectly "flip" the Indexes with values defined, when you used 5=Display against an archived spooled file from the list of matches and if the Report Type did not have any default Indexes (Default sequence) defined. This has been fixed.

Reference: CHG05ER Partial Bundles can now be run without error

Run Bundle (RUNBDL) would give a date/time error if you attempted to run a Partial Bundle. This has been fixed.

Reference: CHG05F5 Only 32 characters are now allowed for values in Tables (Work with Tables)

Work with Tables (WRKTBL) now only allows 32 characters for the values entered within a Table. This is because an Index on a Report Type supports a maximum of 32chars and so longer values in a Table would not match when used in Comparisons within a *KEY Segment.

Please Note

As part of an upgrade any existing values will be truncated to 32 characters.

Reference: CHG05H5 Work with Index Spooled Files no longer fails

Work with Indexed Spooled Files (WRKIDXSPFL) would fail under certain circumstances. This has been fixed.

Reference: CHG05H6 Work with Bundles now leaves the 'Opt' value set after use of 'Position to'

Work with Bundles (WRKBDL) would ignore and clear any values entered for 'Opt' if you had used the 'Position to' field. This meant you had to enter the "Opt" twice. This has been fixed.

Reference: CHG05H8 Report Types Viewer now allows you to add an Index on far right side

The Report Types Viewer (F20 from within Work with Report Types display) would fail if you attempted to create an Index on the far right side of the report. This has been fixed.

Reference: CHG05KQ Spooled files now highlight when Indexes need to be rebuilt following change of Report Type

Work with Archived Spooled Files (WRKARCSPLF) was not showing archived spooled files as needing Indexes rebuilt if a Report Type change meant that a new Report Type applied to them. This has been fixed.

Document Management System – Web GUI

Reference: CHG04SY Single Quotes (') can now be included in Web GUI index searches

The Document Management System (DMS) Web GUI now accepts Index searches for values that include a single quote.

Message Communicator

Reference: CHG05J9 Remote SNDTXT Action now shows status of 'Rmt-Pend' during processing

A SNDTXT Action to send a message/SMS via a Remote system would get set to 'Complete' before it had been Actioned on the Remote system. Now, while the Action is being processed on the Remote system it shows as a Status of 'Rmt-Pend'.

Reference: CHG05KD SNDTXT delay no longer ignored when multiple GSMs are available

A SNDTXT Action with 'Times to send & interval' parameters specified would immediately send all 'Time to send' texts if multiple GSMs were available. This has been fixed.

Message Manager

Reference: CHG058B Message Monitor no longer fails if it is unable to open a QHST file

In certain situations, the Message Monitor would fail if it was unable to obtain a lock on a QHST file. This has been fixed.

Reference: CHG05BW Alerting procedures corrected for 'Not received' Rules

A 'Not received' Message Manager Rule would incorrectly raise an alert when it was released if it had been Held after the start time on the Rule. This has been fixed.

Reference: CHG05EJ A 'Monitor start-up option' of *LAST now handles a Message Queue as *IPL after an IPL

Message Monitor now handles a Message Queue set with a 'Monitor start-up option' of *LAST as *IPL , after an IPL.

Reference: CHG05HI Exported Message Queue Group now picked up by Message Monitor without restart

A new Rule Group, created as part of an Export from a remote system, was not being monitored until the Message Monitor was restarted. This has been fixed.

Reference: CHG05HO Message Queue now monitored after 'in use' status reported

The Message Monitor would internally hold a message queue, if the queue was exclusively allocated by a backup for example, when it attempted to check the queue. The queue would then not be checked again until either the Rule Group was Held and then Released, or the Monitor was restarted.

This has been changed. Now, the error message returned for exclusive allocation (CPF2451) is not treated as an error condition and the Message Queue continues to be checked on future intervals.

Spooled File Manager

Reference: CHG04XK Spooled File Manager GUI no longer errors with '[Max line length exceeded]'

In certain situations, the Spooled File Manager GUI would sometimes fail when accepting Exported spooled files from the IBM i with '[Max line length exceeded]'. This has been fixed.

Reference: CHG058U Work with Spooled Files option 26=Reset now only removes the *HSM tag

Halcyon Work with Spooled Files for option 26=Reset was removing all data from the spooled file 'User defined data' field rather than just the *HSM tag. This has been fixed.

Reference: CHG05CA 'F23=More options' is now available in View 4 of Work with Archived Spooled Files

Work with Archived Spooled Files (WRKARCSPLF) would not allow you to use F23 for More Options if you were on View 4. This has been fixed.

Reference: CHG05GF Parameters passed on Work with Spooled Files are no longer ignored

Halcyon Work with Spooled Files (WRKSPLF) would always apply a Default Subset Template ignoring overriding parameters passed via the command line. This has been fixed.



Network Server Suite Fixes

The following fixes have been made to Halcyon Network Server Suite between January 2013 and March 2013, covering releases NSS: 2013.007 to NSS: 2013.057.

Reference: CHG03PO Database disconnect no longer causes 'List index out of bounds' error

When the connection to the SQL Server database failed in certain circumstances the Enterprise Server Service could fail with a 'List index out of bounds' error.

This has been fixed. Now the Service retries the connection to a maximum of 15 times over a period of 30secs. If the connection is restored, processing continues; if the connection is not restored it then fails adding an error into the Server.hlf log file.

Reference: CHG03YV Invalid replies to IBM i Inquiry Alerts no longer closes the Alert on the Enterprise Console if 'Always Close Alerts Locally' specified

If "Always Close Alerts Locally" within Server Options was selected, an invalid reply to an IBM i Inquiry Alert would close the Alert in the Enterprise Console but leave it open on the IBM i. This has been fixed so that the alert is now re-opened on the Enterprise Console.

Reference: CHG04S3 SMS now sent to all recipients in a Broadcast Group or Call Schedule

An Instant Alert SMS request using a Broadcast Group or Schedule would only be sent to the first recipient. This has been fixed.

Reference: CHG056J Messages are now sent to all devices listed in Schedules

An Instant Alert message request to a Schedule would send the message to every alternate Device (i.e. send one, skip one and so on). This has been fixed.

*****REPORT ENDS*****