



# SMTP-Send™ for z/OS

Release 6.01

## Release Notes

## **SMTP-Send and OfficePath/SMTP-Send for z/OS**

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### **Edition Information**

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This edition applies to Release 6 of SMTP-Send and OfficePath/SMTP-Send. It also applies to subsequent releases until otherwise indicated in new editions.

Inquiries may be directed to:

#### **TBS Software Inc.**

2201-278 Bloor St E.  
Toronto, ON  
Canada  
M4W 3M4

Phone: 905 940-9373

Fax: 905 940-9376

Web: [www.tbsssoft.com](http://www.tbsssoft.com)

eMail: [support@tbsssoft.com](mailto:support@tbsssoft.com)

## Contents

<b>SMTP-Send Release 6.01 Release Notes</b>	<b>2</b>
List of distribution files	2
Enhancements	3
NDRs	3
SMTP-Send spool server	3
Improvements to PDF attachments	3
Improvements to ZIP attachments	3
Empty attachments and NoData conditions	3
TSO/ISPF Dialog improvements	3
Fixes	3
Known Problems	4
<b>Change history</b>	<b>5</b>

## SMTP-Send Release 6.01 Release Notes

Release 6.0 represents a significant rewrite of much of the code base. The C/C++ code within the product is now built using the IBM XL C/C++ compiler, and so the SASC runtime library is generally no longer required (it is still included in the distribution, to support the ZIP function, which continues to require it).

Numerous areas of the product have been improved, with both minor and major enhancements. These are described in the sections following. The documentation has also been improved, with the previous single manual being split into, a *User Guide*, an *Installation & Reference Guide*, and these *Release Notes*. This results in a *User Guide* uncluttered with excess technical details, focused on using the product.

The product LOADLIBs are now in PDSE format. This is required to contain DLLs, and should not have any impacts. This release is built and supported under z/OS 2.1. Customers are encouraged to upgrade to this release before moving to z/OS 2.1. While earlier releases are expected to work under z/OS 2.1, any fixes will only be applied to this (R6) codebase.

Fixes will normally be distributed as either a) replacement objects (which the customer can bind into their existing load module), or b) replacement load module, where TBS has performed the bind.

### List of distribution files

The distribution SMTP-Send for z/OS, includes the following files. These files can be downloaded from the TBS ftp site. Please contact TBS Software customer support for downloading instructions.

#### General Files (for any edition)...

- SMTP-Send 6.0 Release Notes.pdf
- SMTP-Send 6.0 User Guide.pdf
- SMTP-Send 6.0 Installation & Reference Guide.pdf
- SMTSEND.R60.ISPPLIB
- SMTSEND.R60.ISPCLIB
- SMTSEND.R60.ISPMLIB
- ISPF panel, clist & message libs.
- SMTSEND.R60.INSTLIB
- installation library containing install and sample JCL & CICS definitions.
- FTPGET.JCL
- JCL to download required datasets to z/OS
- RECEIVE.JCL
- JCL to perform a TSO RECEIVE on the downloaded datasets

#### Files for SMTP-Send (General edition)...

- SMTSEND.R60.LOADLIB.XMI
- XMIT file of the SMTP-Send for z/OS loadlib
- SMTSEND.R60.CICSLOAD.XMI
- XMIT file of the SMTP-Send for CICS loadlib

#### Files for SMTP-Send (OfficePath Edition) and (RAPID Edition)...

- SMTSEND.R60.OFP.LOADLIB.XMI
- XMIT file of the SMTP-Send for z/OS (OfficePath Edition) loadlib
- includes RAPID Edition
- SMTSEND.R60.OFP.CICSLOAD.XMI
- XMIT file of the SMTP-Send for CICS (OfficePath Edition) loadlib
- includes RAPID Edition

#### Files for SMTP-Send (OV/FAX Edition)...

- SMTSEND.R60.OVFAX.LOADLIB.XMI
- XMIT file of the SMTP-Send for z/OS (OV/FAX Edition) loadlib
- SMTSEND.R60.OVFAX.CICSLOAD.XMI
- XMIT file of the SMTP-Send for CICS (OV/FAX Edition) loadlib.

#### Files for SMTP-Send (SoftSwitch Edition)...

- SMTSEND.R60.SSWDA.LOADLIB.XMI
- XMIT file of the SMTP-Send for z/OS (SoftSwitch Edition) loadlib

#### Files for SMTP-Send (CLASY Edition)...

- SMTSEND.R60.CLASY.LOADLIB.XMI
- XMIT file of the SMTP-Send for z/OS (CLASY Edition) loadlib

## Enhancements

### NDRs

- New non-delivery receipts allow re-sending of the original email.
- NDRs can be directed to a unique address, or to the REPLY\_TO address.

### SMTP-Send spool server

- Can now alternate to a backup SMTP server, in the event of problems with the main SMTP server.
- Reduced delays when contacting an unresponsive SMTP server.
- Performance improvements result in 50% better throughput.

### Improvements to PDF attachments

- Automatic page width according to maximum line length of data.
- syntax improved and simplified
- improved ASA/MCC formatting

### Improvements to ZIP attachments

- added ability to zip and attach an entire PDS
- .zip file extension is ensured for an attachment name.
- file extensions within the ZIP file are matched correctly to the data type.

### Empty attachments and NoData conditions

- A number of new control statements give finer control when any or all attachments are empty, and when no data to send has been detected.

### TSO/ISPF Dialog improvements

- The dialogs can now be used with or without performing a typical ISPF application install. The application will dynamically activate the required libraries, and set the LOADLIB to run SMTP-Send from, based upon the dataset prefix used for invocation.
- Panel layout improvements
- Users can specify one or more attachments, including HFS files.

## Fixes

The following fixes have been included with this distribution.

<u>Fix ID</u>	<u>Description</u>
050313	certain zFS file attachments may be truncated.
OPS-145	clarify message when unable to open FAX outtray file in CICS (for FAX requests).
OPS-170	new configuration parm, SEND_NDR to control whether the new (re-send'able), or old NDRs are created.
OPS-173	BODY_Font-size alphabetic values were not all recognized
OPS-183	allow changing the CONTROL file dataset in the ISPF dialog defaults.
OPS-187 & OPS-195	correct clearing of message buffer after every boundary, in multi send jobs
OPS-169	new configuration parm, MapHTMLinText controls mapping of HTML to text, within the message
OPS4706	correct setting of SMTP_SERVER_NAME configuration parm.
OPS-203	alter specifications to VTOC requests.
OPS-205	correct function of PITCH & ORIENT control statements during RTF conversions.
OPS-209	set non-zero program return code if errors during ZIP processing.
OPS-212	improved handling of the BodyColor statements.
OPS-213	! character correctly escapes adjacent HTML tag characters < and > to prevent HTML expression.
OPS-214	correct display of 4 digit user abend codes by the OPSNOTFY utility.
OPS-215	improved throughput in Spool server
OPS-217	return correct error when a NOMIME job attempts to send an attachment, within a multi-send job.
OPS-220	customer can configure return codes for a)any attachment is empty and b) all attachments are empty, and can skip sending the message if all attachment(s) are empty.
OPS-225	The TBS spool Server may return an NDR to the sender even when the email was successfully delivered.
OPS-226	Program returned rc=8 when SYSOUT DD is not allocated to the job.

## Known Problems

*External writer name is blank for redirected SPOOL output from CICS.*

This is a problem with the CICS functions, used to open the spool dataset. It appears to set DEST using the external writer name value, leaving the external writer value blank.

Contact TBS Software customer support if you encounter this problem.

## Change history

This is a summary of significant past changes to SMTP-Send and OfficePath/SMTP-Send.

### R5.24a

#### Fixes

OPS-4706 - use the CFG value for SMTP\_SERVER\_NAME  
 OPS161A - Prevent unnecessary allocations of GDG files  
 OPS180OF - SEND MESSAGE data not sent w. Simple message  
 OPS200 - ReplyTo always loaded with default Error ReplyTo field  
 OPS201 - correct PDF when both Zip and PDF is specified  
 OPS204 - add .zip filename extension to all ZIP'd attachments

### R5.24

#### Fixes

TBS4654 - correct translation problems with Attachments and Sensitivity text  
 TBS4516 - Support SSWDA in startup\_logic checks  
 TBS4524B - support RESTRACE parameter for resolver tracing  
 TBS4493A - Support OUTLOOK's sensitivity flags  
 OPS150 - prevent message LSCX503 when LISTDSN empty  
 OPS151 - Change default DSTLAW  
 OPS153 - Allow running without OPSCONFG DD  
 OPS156 - OP/SMTP-SEND R5.2 name lookups fail with 8 by 8 addressing  
 OPS157 - correct DATAOUT allocation to allow multiple distributions

OPS158 - Add HTMLEQPRE parameter  
 OPS161 - Prevent unnecessary allocations of GDG files  
 OPS164 - Prevent U1208 when no TO, just CC or BCC are specified  
 OPS165B - Correct attached PDF bottom margin & page formatting  
 OPS167 - Mail not sent to valid recipients if an empty TO exists

OPS169 - Cannot specify MAPHTML keyword in the Config utility  
 OPS170 - Add NDR code to SMTP Send code  
 OPS176 - ZIP Attachment has RTF extension if RTF also coded on attach statement  
 OPS180 - SEND MESSAGE data not sent w. Simple message  
 OPS181 - Document Name differs from OfficePath to OP/SMTP-Send  
 OPS184 - Email size of 21364261 exceeds maximum of 15M bytes  
 OPS186 - Config value Use\_MIME\_for\_1403=NO needs to be incompatible with ATTACH control statements  
 OPS185 - PDF E2A translation does not support National Languages  
 OPS188 - Restore function of ORIENT statement (ref. TBS#4661)  
 OPS189 - 0C1 abend when creating large PDF document  
 OPS190 - Support very large PDFs  
 OPS191 - Remove trailing blanks from defaulted Sender  
 OPS193 - Inconsistent ORIENTATION after Message to PDF conversion  
 OPS194 - escape \" for RTF conversions  
 OPS196 - Correct conflict running RAPIDGS3 with TBS-4516

### R5.2

#### Enhancements

- SMTP Leading dot Transparency feature added to TBS Spool Server
- RemoveTrailingBlanks feature added to OPSCONFG.
- Performance improvements to the LDAP exits add new OPSCONFG parm LDAP\_DISTLIST\_PGM, which is used to call the new LDAP exits, while the old parm, Distlistpgm, maintains the old calling style.

#### Fixes

OPS144 - Abend S0C4 in OPSGS3B after 2 consecutive address resolution failures  
 OPS143-OPSSSRVR Socket Receive error when data contains leading period  
 OPS142-Default text encoding is 7bit. 8bit required by ISP  
 OPS141-Text of message does not appear in message sent to cell phone  
 OPS140-PDF output is being truncated  
 OPS139-When OPSSSRVR in retry wait and P OPSSSRVR issued, current message is deleted from JES Spool  
 OPS138-OPSSSRVR GETMAIN failure in TSSSEND  
 OPS137-Endless loop checking response from server  
 OPS136-Abend S0C4 when default Papersize not specified in CONFIG  
 OPS135-PDF (LPP(xx)) not recognized with ATTACH keyword  
 OPS134-Attachment converted to PDF corrupted if redirected to spool when both servers are unavailable  
 OPS133-Msg LSCX701 ENFOUND loading module OPSCFDSN  
 OPS132-OPSSSRVR - Job disappears from Spool when both open of both Primary and Secondary fail  
 OPS131-Abend S0C4 sending large PDF attachment

**R5.1****Enhancements**

- New OUTTYPE keyword, MAPHTML causes any '<', '&' or '>' characters in the input MESSAGE stream to be mapped into &lt; &amp; and &gt; strings. This will prevent their being interpreted as part of HTML tags. Default is to pass embedded HTML characters through. You can also surround a HTML tag with ! characters, i.e. !<B>! to ensure that the string will not be interpreted as HTML. The tag and the surrounding '!' characters must not continue across a line.
- OPSCONFG record size increased to allow 256 characters of data instead of 128.
- Customized EBCDIC/ASCII translation table can now be dynamically loaded. Code the OPSCONFG control statement. UseCustomCodepage YES, to force SMTP-Send to load the load module, XLTnnn where nnn is the value specified on a CODEPAGE control statement. You create the customized translation table using the sample XLT999 and job OPSI12.
- New OPSCONFG statement, FAIL\_ON\_VALIDATION\_ERROR added to highlight address validation errors. When FAIL\_ON\_VALIDATION\_ERROR YES is coded, and an address fails validation, SMTP-Send will terminate with RC=32
- New INSTLIB member, OPSI13 will write the current version of SMTP-Send, the Configuration program, the Spool Server and SSWDA to the joblog for easy determination of which release is running.
- New CICS commarea structure allows the separation of control statements from data in two separate TSQs. In addition, simple sends are possible by specifying the To, From and Subject information directly in the commarea.
- New program link interface allows for sending of single emails without having to create MESSAGE and or CONTROL datasets. The envelope information and message text are supplied in buffers passed from the calling program using the OPSBCALL data structure.
- SENDEEMPTYATTACHMENTS YES|NO OPSCONFG statement added to control the sending of empty attachments. You can also code OUTTYPE EMPTY\_ATT or NOEMPTY\_ATT to control this behavior at the distribution level.
- Spool Server sends undeliverable messages as non-delivery reports to the user specified in the ERROR\_MSG\_TO\_NAME
- TBS Spool Server performance has been substantially improved.

**Fixes**

OPS130 - LSCX110 error in MEMCPY called from line 557 of @@650343(TSSSEND)  
 OPS129 - Extraneous JOB info on HELO Statement rejected by receiving SMTP server  
 OPS128 - Error in reported size when SMTP-Send rejects message with attachment as too large  
 OPS126 - Bypass sending attachment if it's empty  
 OPS125 - xxxGS3 ending with RC 105 When SEND\_TEXT=SPOOL  
 OPS124 - xxxGS3 EXEC CICS FAIL: EIBFN: 0a, EIBRESP: 44, EIBRESP2: 0 when TSQ name contains NULL character  
 OPS123 - SYSTEM COMPLETION CODE=66D REASON CODE=00000031 when temp file allocation fails  
 OPS122 - Throughput of OPSSSRVR needs improvement  
 OPS121 - Faxes sent by OP/SS-Fax arrive empty in OV/Fax  
 OPS120 - RC=514 while testing SMTP-Send with Invalid recipient should be RC=504  
 OPS119 - Imbedded HTML tags no longer working with R5.0.6  
 OPS118 - MAILTO: prefix of email address not a valid hotspot  
 OPS117 - CPU loop in GSRCHRP@ when multiple emails passed in MESSAGE input  
 OPS116 - LOOKUPER file remains empty  
 OPS115 - CICS TSQ from commarea truncated to 7 byte length  
 OPS114 - LSCX130 msg and U1208 error with SUBJECT >80  
 OPS113 - Empty file gets condition code of zero instead of four  
 OPS112 - RC=505 issued instead of RC=08 when validation exit denies address  
 OPS111 - MSG "IKJ56241I REQUEST REQUIRES MORE NON-SMS MANAGED VOLUMES THAN ARE ELIGIBLE" with tempfile input  
 OPS110 - Incorrect translation for Canadian French Characters  
 OPS109 - Msg "File not found" when MESSAGE file is empty  
 OPS108 - LDAP Return attribute field name ignored after R5.0 install  
 OPS106 - Adobe cannot READ PDF zipped file after redirection to JES spool  
 OPS105 - Encrypted passwords available in clear text in dump  
 OPS104 - Msg "No valid Sender or ReplyTo address" when unbalanced parens in AUTHOR statement  
 OPS103 - '501 Failure Naked LF' message returned by receiving SMTP server  
 OPS102 - Abend S0C4 in TSSJES when library/module is NOT APF-authorized

**R5.0****Enhancements**

- LDAP lookups enhanced:
- For address lookups, you now have complete control over the OBJECTCLASS= value for address lookups when you pass an address template. SMTP-Send will no longer add "(&(OBJECTCLASS=person))" to the beginning of any address template passed (as was done in previous releases). If you need to preserve this behavior of previous releases you will have to add this string to the start of your template. Removing this default allows the address lookup to locate OBJECTCLASS=GROUP entries that have MAIL= attributes. Note: if



your LDAP parm string never contained a template, the default template (&(OBJECTCLASS=person)(UID=%DEN)) will continue to be used.

- For distribution list lookups, all searches for group entries will now use the value of a MAIL= attribute on the entry, if one is found. This is added to the list of any MEMBER= values that have always been obtained from group entries.
- If the LDAP lookup fails to connect successfully with the specified LDAP server, SMTP-Send will now terminate with condition code of 32.
- LDAPDL group lookups now use the MAIL= attribute if available.
- Support for encrypted LDAP passwords is now available. OPSCONFIG statements LDAP\_Password value and Exit\_Password value are added to supply passwords that will be encrypted in the VSAM Config file LDAP\_Password is used to specify passwords used in the LDAP\_LOOKUP\_PGM exit program. Exit\_Password supplies the password used in the MAPPINGPGM exit. For the DISTLISTPGM exit program, the LDAP\_Password value is used when the exit program name begins with LDAP and the Exit\_Password value is used otherwise.
- You indicate that an encrypted password is to be used by specifying an asterisk as the password in the program parameters, i.e. LDAP\_LOOKUP\_PGM 'LDAPAE,IP 127.0.0.1,User,\*'
- You can use encrypted passwords in your own calls to LDAP by specifying an asterisk as the password value in the parameter string and supplying an encrypted password value and the address of the decryption code in the call to the SMTP-Send supplied LDAP routines. The SMTP-Send supplied encryption routine is bidirectional and you can use it if you wish to encode your password before calling LDAP. The data structures passed to the LDAP routines have been enhanced to provide this additional information.

N.B. Passwords coded in the exit specification statements will not be encrypted when added to the VSAM file and will continue to appear in plain text in SMTP-Send memory and debugging and tracing messages.

- Support added to split Text HFS files at LF characters. OPSCONFIG statement ReplaceLFwCRLF {Y|N} and CONTROL statement LF2CRLF {Y|N} added to control this support
- Additional OPSCONFIG configuration statements added to provide more information about failures in sending messages via TCP/IP:
  - SetTCPFailureRC {4 | 0-9999} - allows the customization of the cond code returned when SMTP-Send is unable to send a message via TCP/ IP and the message has instead been written to spool
  - WTO\_onTCPFailure {No | Yes} - Yes will cause the message '+OPS126E FAILURE RELAYING TCPIP DATA' to be written to the job log and system log
  - Additional Control Statements now supported to indicate information about the content of the message:
    - Importance {LOW | Normal | High} - indicates the importance of the message
    - Priority {Normal | Urgent | Non-urgent} - indicates the priority of the message
    - Sensitivity {Personal | Private | Confidential | Company-Confidential} - indicates the sensitivity of the message.
- Optional Sensitivity text may be added to either the top or bottom of the message when the Sensitivity control statement is coded.
  - The addition of the text is controlled by the OPSCONFIG statement, Sensitivity\_Msg {None | Top | Bottom}
  - The actual text is controlled through the SENSITIVITY\_TXT OPSCONFIG statements
- Allow Specification of HTML foreground and background colors and font face and size via Cascading Style Sheets (CSS)
  - Use of CSS is controlled by the OPSCONFIG statement Use\_CSS\_Styles {Yes | No}
  - Style characteristics are controlled by the following OPSCONFIG statements
    - BODY\_Font-Size {pointsize | {xx-small|x-small|small|medium|large|x-large|x-large|xx-large}}
    - BODY\_Font-Family {font [,font...]}
    - BODY\_Color background\_color[,foreground\_color]
  - and the following Control Statements:
    - BODYCOLOR {background\_color[White][,foreground\_color[Black]}
    - FONTFAMILY {font [,font...]}
    - CSSSTYLE {Yes | No}.
  - Notes:** the font size is controlled by the PITCH statement available in previous SMTP-Send releases

Input with INTYPE TEMPLATE is assumed to already be formatted with the required HTML and therefore CSS styles will not be added by default. Specifying an OUTTYPE of HTML or HTMLPRE with TEMPLATE input will force the addition of CSS style information if available and requested by the Use\_CSS\_Styles statement

- A started task program, OPSSSRVR, is now included to relay any SMTP data resident on the JES Spool to a relay server. SMTP data may be placed on spool by SMTP-Send for safe storage when it is unable to access either of the specified Relay servers or by other utilities such as IBM's SMTPNOTE REXX exec. OPSSSRVR offers the same e-mail traffic logging mechanisms as native SMTP-Send.

- Installations running the IBM supplied SMTP Server task to relay messages from the JES Spool can replace the IBM task with OPSSSRVR. OPSSSRVR does not listen for SMTP traffic over TCP/IP, only accepting SMTP mail from the JES Spool and therefore cannot be used as an open relay for unsolicited e-mail traffic.
- Spaces may now be specified in file names in the `FILENAME` and `DOCNAME` statements and for the newname field in the `ATTACH` statement. Enclose the name containing spaces in double quote marks.
- Symbolic substitution in message text, subject and filenames. Certain date symbols (where noted) may include an offset (positive or negative) to be used in calculating the displayed date from the current date.
- This functionality is active by default but may be turned off for a specific send with the `NOSYMBOLS` keyword of the `OUTTYPE` Control statement
- The TSO/ISPF dialogs have been enhanced to allow requesting that a file sent as an attachment be translated from EBCDIC to ASCII. Previous releases always sent attachments as binary objects.
- A sample REXX Exec, OPSREXX is now available in INSTLIB to demonstrate calling SMTP-Send from REXX
- Files attached using the `ATTACH` control statement can now be converted to PDF format.
- Additional control over conversion to PDF added via `PDFxxxx` control statements and `PDF` subparameters on `ATTACH`.
- Multiple keywords now allowed on `OUTTYPE` statement when `ATTACHMENT` is specified. For example, you can now request that the MESSAGE dataset be sent as an attachment and be enveloped in HTML headers by specifying `OUTTYPE ATTACHMENT HTMLPRE`
- Logging updated to include the data path the message took, i.e. TCP or SPOOL.
- e.g. `DataPath: Spool(NL.SMTP,B)` or `DataPath: TCP(smtp.tbssoft.com)`
- OPSNOTFY parms updated.
- `Create_MailTo_Links` OPSCONFG statement added
- NOMLINKS Control statement added
- For RTF attachments, SMTP-Send now dynamically calculates the appropriate papersize to contain the data. You can override this calculation by specifying the `PAPERSIZE` control statement. The parameters are the same as those used by the `PDFPAPER` control statement
- OPSCONFG statement `UseDLAddress {Yes|No}` added as part of the fix for OPS-089 to control the expansion of Distribution lists during LDAP processing. By default, SMTP-Send will now not expand a Distribution List with an email address associated with it, but instead will merely send the email to that address, letting the receiving email system expand the address. This is a change from previous behavior which can be restored by specifying `UseDLAddress No`
- A Customized EBCDIC/ASCII translation table can now be dynamically loaded. Code the OPSCONFG control statement. `UseCustomCodepage Yes`, to force SMTP-Send to attempt to load the module, `XLTnnn` where `nnn` is the value specified on a `CODEPAGE` control statement. You create the customized translation table using the sample XLT999 and job OPSI12 in INSTLIB.

### Miscellaneous Documentation Updates

- LDAP userid and password fields containing spaces must be enclosed in double quotes, forcing the entire LDAP statement containing the double quotes to be enclosed in single quotes.
- Updated Return Code values
  - 6 - no longer used
  - 32 - returned upon LDAP communication failure
  - 1046 - OPSCONFG file cannot be found
- IBMMAIL format input cannot be specified in HFS files
- OPSSSRVR - SMTP relay server documentation now included

### Fixes

- OPS101 - '@' sign causes incorrect mailto: HTML tag to be generated
- OPS100 - LDAP\_PASSWORD parms in config not working, Abend S0C4 results
- OPS099 - Inconsistent output with Attachments using RTF tags
- OPS098 - CONFIG job abends S0C1 - OPSENCPT module missing
- OPS097 - Incorrect attachment name if new name starts with 'TR'
- OPS096 - PIPGS3B malloc() failure, size 00000 when CARDFILE=DD DUMMY
- OPS095 - Abend S0C4 in valRecipientName if FROM is not found and lookup\_RACFID\_as\_Sender=yes
- OPS094 - Cannot create an attachment starting with 'TR'
- OPS093 - Dropping carriage control plus other characters on first line of attachment when converting to RTF
- OPS092 - PDF files arrive in binary not as an attachment when SEND\_TEXT SPOOL specified in OPSCONFG
- OPS091 - Multiple Send from CICS not working as end boundary not recognized
- OPS090 - OPSGS3B Return code 01030 when trailing boundary encountered
- OPS089 - SMTP-Send not delivering to addresses in Exchange DL's with Hide-From-Address-Book=1
- OPS088 - Allocation failure when creating PDF attachments. LSCX862
- OPS087 - LSCX111 message sending PDF attachments
- OPS086 - Low value (NULL) chars in MESSAGE input causes incomplete mail to be sent
- OPS085 - SENDMERGE fails if CC and BCC not also specified as global or local
- OPS084 - RAPIDGS3 SUBPARAMETER INVALID FOR THIS REQUEST: ILLEGAL DCALEVELVALUE = 01403
- OPS082 - Sensitivity message at top when Sensitivity\_Msg=Bottom
- OPS081 - Multiple sends via TCPIP fail with failure to open LISTDATA
- OPS080 - Attachment not zipped after R5.0.1 installation
- OPS079 - OPSGS3B 0505 error - code not appending domain name

OPS078 - Email is blank after R5.0 when SEND\_TEXT Spool specified  
OPS076 - Attachments from ATTACH statement not attached when MESSAGE input sent as attachment  
OPS075 - No message returned to sender if Receiving SMTP server fails the send  
OPS074 - 'Empty Recipient List' messages returned when relay server rejects the message  
OPS073 - Proposed SMTP Name missing from validation exit call  
OPS071 - OPSGS3 fails to read MESSAGE input when writing to spool  
OPS070 - Data truncated in display of PDF file wider than 80 characters  
OPS069 - SMTP-SEND ZIP function did not zip PDS. Error msg not issued  
OPS068 - Zip file attachment is corrupted after redirect of TCP data to JES Spool  
OPS067 - LDAP times out immediately with timeout of 0 or after upgrade to 4.2.13 from release 3  
OPS066 - Carriage Controls not handled properly for Zipped Attachments from ATTACH statements  
OPS065 - ZIP of Translated Text Attachment is unreadable  
OPS064 - RC = 0 when some userids fail to map to SNADS userids to email addresses  
OPS063 - No way to specify a new name for an attachment that contains a space  
OPS062- PIPGS3B LRECL 137 TOO SHORT FOR FILE DATAOUT, 138 REQUIRED  
OPS061 - Multiple sends via MESSAGEDD only (PARM=P) fail after first send with ENOTOPEN error  
OPS060 - LDAP Passwords exposed in VSAM file and debug traces  
OPS059 - Unable to attach HFS file

## R4.21

- NOTICE, SENDER, MSG\_IN\_XMESSAGEF, USE\_MIME\_FOR\_1403, new CONFIG control statements
- ATTACHMENT, NOMIME, RTF keywords, OUTTYPE statement
- TRANSLATE, RTF keywords, ATTACH statement
- Logging to SMF, CICS journal or sequential file

The previous releases were SMTP-Send R2.1 and OfficePath/SMTP R4.1. The release numbers for both products were synchronized starting with R4.2.