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DOT/FAA/CT-ACN100D93/7

FINAL

NAS OPERATIONAL TEST AND EVALUATION INTEGRATION OF THE PC/MAINTENANCE MANAGEMENT SYSTEM (PC/MMS) VERSION J0.7

LETTER OF FINDINGS

JUL 2 1993

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June 1993

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1. INTRODUCTION.

This Final Letter of Findings (LOF) details the results of the ACN-100D NAS Operational Test and Evaluation Integration of the PC/Maintenance Management System (PC/MMS), version J0.7. ACN-100D completed OT&E Integration of the MMS, version A04.05, in December 1992. However, in the process of testing PC/MMS, ACN-100D identified additional exceptions in MMS and included them in this LOF.

1.1 PURPOSE.

The purpose of the NAS OT&E Integration testing was to verify the following:

a. Functionality of the software is not degraded due to software enhancements or modifications;

b. The PC/MMS has been implemented as described in the following documents: (1) Version Description Document for the Maintenance Management System (Version A04.05) of RMMS Maintenance Processor Subsystem, Appendix C, PC/MMS Software Installation and Operation Notes (Version J0.7), March 15, 1993, Unisys/VNTSC, (2) MMS User's Manual, Release A04.05, PC/MMS, section 5.0, March 15, 1993, Unisys/VNTSC, and (3) MMS System Administrator's Guide, Release A04.05, MMS Security and PC/MMS Initialization, section 5.0, March 15, 1993; and

c. Exceptions identified by ACN-100D in previous LOFs and listed as resolved in the PC/MMS Version J0.7 Release Highlights, March 19, 1993, Unisys, have been resolved.

1.2 DATE.

NAS OT&E Integration testing was conducted from March 24 through May 14, 1993.

1.3 LOCATION.

ACN-100D conducted the NAS OT&E Integration of the PC/MMS on the ACN-100D Tandem NonStop II/TXP MPS and AT&T PCs located at the Federal Aviation Administration (FAA) Technical Center, Atlantic City International Airport, New Jersey.

1.4 PARTICIPANTS.

Frances Bayne (ACN-100D) and Gina Kugel (CTA) conducted the NAS OT&E Integration testing.

1.5 EXCEPTION IDENTIFICATION.

Each exception is identified as either major or minor and by an exception ID, both of which immediately follow the description of the exception. The exception ID is a unique identifier comprised of the software acronym (i.e., MMS), development version in which the exception was first detected by

ACN-100D, and a three-digit number assigned sequentially within the body of an LOF or test report for a given version. In addition, when an exception is identified as major, an asterisk is appended to the exception ID. Tables 5-1 and 5-2 follow the test results and recommendations for the versions under test and list the open and closed exceptions, respectively, identified by ACN-100D during past and present test efforts.

2. OT&E INTEGRATION TEST RESULTS AND RECOMMENDATIONS.

2.1 PC/MMS J0.7 OT&E INTEGRATION TEST RESULTS.

2.1.1 Local Mode.

a. In the local mode, immediately after installation of the PC/MMS software, the cursor on the System Access screen would not go into the F1=ENTER field, since an update to LIN was required. However, when the LIN was updated, and F6 was pressed to log off, and then the tester logged on again, the cursor still would not go into the F1=ENTER field on the System Access screen. The initial session had to be terminated with Shift Alt F6 before F1=ENTER became an available field on the System Access screen. ACN-100D recommends that the F1=ENTER field be available on the System Access screen immediately after the LIN is updated or documentation be added to the MMS System Administrator's Guide to note this condition. This problem was reported to Unisys via the MMS Hotline on 3/26/93.

This is a minor exception. Exception ID: MMS-J0.7-001

b. In the local mode, on the System Access screen, the Help text for the SECTOR, INITIALS, and PASSWORD fields includes the statement "YOUR USERID WILL BE INVALID IF YOU WERE NOT THE LAST PERSON TO DOWNLOAD LOGS TO THIS TERMINAL." This statement implies that an invalid userid message will be displayed, if the user was not the last person to download logs to the terminal, and the user attempts to log on. This feature cannot be reproduced and is not documented anywhere other than this Help screen. This problem was reported to Unisys via the MMS Hotline on 5/13/93.

This is a minor exception. Exception ID: MMS-J0.7-002

c. In the local mode, in LSR, when an attempt was made to generate a LOG SUMMARY REPORT, no logs were displayed when the REGION, SECTOR, and/or AREA selection criteria were entered, and there was no FACILITY SERVICE database present. ACN-100D recommends that when a user attempts to generate a LOG SUMMARY REPORT with REGION, SECTOR, and/or AREA selection criteria, and there is no FACILITY SERVICE database, a message be displayed that indicates no database is present, and that the user should blank out the REGION, SECTOR, and AREA fields. This problem was reported to Unisys via the MMS Hotline on 5/13/93.

This is a minor exception. Exception ID: MMS-J0.7-003

NOTE: As a result of the J0.7 LOF review meeting on 5/24/93, ACN-100D closed exception MMS-J0.7-003. Field personnel, as part of the Maintenance Data Terminal (MDT) initialization procedure, will presumably download (or import) logging validation files; hence, exception MMS-J0.7-003 is unlikely to occur during field maintenance operations.

d. In the local mode, in LSR, when an attempt was made to generate a LOG SUMMARY REPORT, no logs were displayed when the AREA selection criterion was entered, and the appropriate FACILITY SERVICE database was present on the PC. This problem was reported to Unisys via the MMS Hotline on 5/13/93.

This is a minor exception. Exception ID: MMS-J0.7-004

NOTE: At the J0.7 LOF review meeting on 5/24/93, Unisys suggested that ACN-100D download all logging validation files prior to generating a LOG SUMMARY REPORT with AREA entered as the selection criterion. On 5/26/93 ACN-100D downloaded all logging validation files, repeated the above test without exception, and closed exception MMS-J0.7-004. On 5/27/93 ACN-100D notified Bob Hobbs, Unisys, that ACN-100D closed exception MMS-J0.7-004.

e. In the local mode, when an invalid function code (e.g., BLT, CAT, DOG, etc.) is entered in the F1=GO TO field of any screen, after F1 is pressed, the cursor remains in the same position that it was prior to pressing F1. ACN-100D recommends, that when an invalid function code is entered in the F1=GO TO field, the cursor be positioned at the first character of the F1=GO TO field. This problem was reported to Jerry Kwit, Unisys, on 4/22/93. This problem was reported to Unisys via the MMS Hotline on 4/23/93.

This is a minor exception. Exception ID: MMS-J0.7-005

f. In the local mode, when an unavailable function code (e.g., LIR, LRM, FSE, NPR, etc.) is entered in the F1=GO TO field of all screens except LSR, after F1 is pressed, the cursor remains in the same position that it was prior to pressing F1. ACN-100D recommends, that when an unavailable function code is entered in the F1=GO TO field, the cursor be positioned at the first character of the function code to be entered. This problem was reported to Jerry Kwit, Unisys, on 4/22/93. This problem was reported to Unisys via the MMS Hotline on 4/23/93.

This is a minor exception. Exception ID: MMS-J0.7-006

2.1.2 Connected Mode.

a. In the connected mode, on the System Access screen, the following logon scenario causes communications error 2 to occur:

1. Log on with valid userid and password;
2. Press F6;
3. Attempt to log on with invalid userid and/or password;
4. Log on with valid userid and password;
5. Press F6;
6. Attempt to log on with invalid userid and/or password;

7. Attempt to log on with invalid userid and/or password;
8. Attempt to log on with valid userid and password.

The System Access screen with the message "VALIDATING ID ... " is displayed for approximately three minutes. The message "Comm Error 2: Line drop or user timed out, no carrier" is displayed. PC/MMS is terminated, and the DOS prompt is displayed. According to the MMS Software Design Document, paragraph 4.4.4.2.1, page 4-90, the above scenario should occur after "three successive logon failures." Note that this scenario includes three logon failures; however, they are not successive. This problem was reported to Unisys via the MMS Hotline on 4/23/93 and again on 4/27/93.

This is a major exception. Exception ID: MMS-J0.7-007-*

b. In the connected mode, using a dialup configuration, on the Main Menu screen, when MCS is entered in the F1=GO TO field, and any character(s) is entered in the OLD PASSWORD field, IMCS is accessed. This problem was reported to Unisys via the MMS Hotline on 4/29/93.

This is a major exception. Exception ID: MMS-J0.7-008-*

c. In the connected mode, when a ported function screen (e.g., LCM) is displayed and then a nonported function screen is displayed (i.e., LIR, LRM), and F4 is pressed, the PC hangs. This problem was reported to Unisys via the MMS Hotline on 4/27/93.

This is a major exception. Exception ID: MMS-J0.7-009-*

d. In the connected mode, in LDV, downloading the FACILITY TYPE records results in the error "Comm Error 4: MDT failed to Receive buffer after 5 tries". The count at the current area of the screen appears to increase to the total number of FACILITY TYPE records, but the records are never downloaded to the PC. Also, the previous section of the screen is not updated. The PC hangs, and then the communication error is displayed. This problem was reported to Gary Hunt, Unisys, on 3/31/93.

This is a major exception. Exception ID: MMS-J0.7-010-*

e. In the connected mode, in LDL, the following values were entered into the following fields: START DATE = current date, OPEN/CLOSE/BOTH = blank, and INCL VOID = blank. After pressing F10 to begin the download process, the tester allowed the message PLEASE WAIT - TANDEM DATABASE SEARCH IN PROGRESS to be displayed for 50 minutes before rebooting her PC. This problem was reported to Unisys via the MMS Hotline on 4/20/93. According to Jerry Kwit on 4/22, this problem may have been caused by insufficient disk space on the C drive (approximately 1.5 megabytes were free). Jerry stated that over 2 megabytes of disk space on the C drive are required. The tester moved directories/files off the C drive and freed approximately 2.5 megabytes of disk space. The tester retested LDL with the above selection criteria. The database search successfully completed in approximately 3 minutes (over 700 logging records were found for download). Although the PC/MMS release documentation does state that "approximately 3 MB" of disk space are required

on the C drive for "downloaded logging data base files," ACN-100D recommends that the user be notified of any disk write errors.

This is a major exception. Exception ID: MMS-J0.7-011-*

NOTE: As a result of the J0.7 LOF review meeting on 5/24/93, ACN-100D closed exception MMS-J0.7-011-*. If field personnel follow the PC/MMS Software Installation and Operation Notes properly, the MDT will have at least 3 megabytes of disk space on the C drive. Since 3 megabytes of disk space on the C drive is sufficient for the number of logging records expected to be downloaded, exception MMS-J0.7-011-* is unlikely to occur during field maintenance operations.

f. In the connected mode, in LDP, F10 was pressed and the download began. When F10 was pressed again, the messages "DOWNLOAD interrupted during PM CERTIFICATION STMTS file - use F10 to Resume" and "PROCESSING REQUEST..." were displayed. When F4, F6, or Alt Shift F6 were pressed, the PC hung, and after several minutes, the message "Comm Error 17 ... " was displayed. Also, the following message was printed on the OSP:

```
$MLD1 - *** COBOL85 Library Error 051 ***
$MLD1 - From MDTLDPS + %7647
$MLD1 - $WORK.MMSSERV.MDTLDPO - 06 May 93 20:13
$MLD1 - Operation other than OPEN on file that is not open
$MLD1 - File MDT-DL-CERT-FILE, \ACTA.$DATA1.PMC93126.CR201336: CLOSED.
```

This problem was reported to Unisys via the MMS Hotline on 4/23/93.

This is a major exception. Exception ID: MMS-J0.7-012-*

g. In the connected mode, in LDV, if more than one user simultaneously attempts a download on the same validation file, the message "ERROR REPORTED BY TANDEM/MMS : MDTLDV: SEND ERROR 0012 OCCURED ON SERVER MDTxxxx <OK> " is displayed in a box in the center of the screen, where xxxx refers to the specific validation file being downloaded. If Enter is pressed, and then a different download is attempted that does not use the file that caused the error, after pressing F10 to begin the download, the dialup PC/MMS session hangs and must be rebooted. The direct connect PC/MMS session displays "Comm Error 4: MDT failed to Receive buffer after 5 tries" in a message box in the center of the screen and then returns to the DOS prompt. This problem was reported to Unisys via the MMS Hotline on 4/19/93.

This is a major exception. Exception ID: MMS-J0.7-013-*

h. In the connected mode, in LDV, if more than one user simultaneously attempts a download on the same validation file, the message "ERROR REPORTED BY TANDEM/MMS : MDTLDV: SEND ERROR 0012 OCCURED ON SERVER MDTxxxx <OK> " is displayed in a box in the center of the screen, where xxxx refers to the specific validation file being downloaded. If Enter is pressed, the LOG screen retrieved, and then the LDV screen retrieved again, when F10 is pressed to begin another download, the message "THE FUNCTION CODE ENTERED IS NOT A VALID ENTRY <OK> " is displayed in a message box in the center of the

screen. If Enter is pressed and then F10 pressed again, a download will begin, but it does not seem to download any records other than the FACILITY TYPE records. This problem was reported to Unisys via the MMS Hotline on 4/19/93.

This is a major exception. Exception ID: MMS-J0.7-014-*

i. In the connected mode, in LDP, if more than one user simultaneously attempts a download of PM records, the download produces various results. The download of one or more users may be interrupted without the user pressing the F10 key and, upon pressing the F10 key to resume the download, the download may complete successfully. However, during simultaneous downloads, an incomplete PM database may be downloaded. For example, a download for a particular REGION and SECTOR, for which PM CERTIFICATION STMTS, PM TASK GLOSSARY-REFS, and PM TASK GLOSSARY-TEXTS were previously downloaded, will complete after only downloading the PM CERTIFICATION STMTS. After this occurrence, if only one user attempts a download of the PM records, the user will receive an incomplete database. During testing, a different PC was used to reproduce the problem (i.e., incomplete database). The problem remained on the first download attempt, but on subsequent attempts, LDP functioned properly. This problem was reported to Unisys via the MMS Hotline on 5/13/93.

This is a major exception. Exception ID: MMS-J0.7-015-*

j. In the connected mode, in LDV, if more than one user simultaneously attempts a download on the same validation file, the message "ERROR REPORTED BY TANDEM/MMS : MDTLDV: SEND ERROR 0012 OCCURED ON SERVER MDTxxxx <OK> " is displayed in a box in the center of the screen, where xxxx refers to the specific validation file being downloaded. If Enter is pressed, and another screen other than the LOG screen entered into the F1=GO TO field, when F1 is pressed, the message THE FUNCTION CODE ENTERED IS NOT A VALID ENTRY is displayed at the bottom of the screen. If F1 is then pressed again, the screen is retrieved. If the LDV screen is then retrieved, and F10 is pressed to begin a download, the download appears to perform as expected. This problem was reported to Unisys via the MMS Hotline on 4/19/93.

This is a minor exception. Exception ID: MMS-J0.7-016

k. In the connected mode, on the System Access screen, the Help text for the SECTOR, INITIALS, and PASSWORD fields is disconnected mode Help. This problem was reported to Unisys via the MMS Hotline on 4/13/93.

This is a minor exception. Exception ID: MMS-J0.7-017

l. In the connected mode, on the Main Menu screen, at the OLD PASSWORD field, when the End key is pressed, the cursor is positioned at the NEW PASSWORD field. For consistency with other fields, ACN-100D recommends that when the End Key is pressed at the OLD PASSWORD field, the cursor be positioned at the F1=GO TO field. This problem was reported to Unisys via the MMS Hotline on 4/29/93.

This is a minor exception. Exception ID: MMS-J0.7-018

m. In the connected mode, in FSE, when F1 is pressed from the FSE screen, the screen blanks out and is redisplayed with no message. When F1 is pressed from all other nonported screens, the screens do not blank out. This problem was reported to Unisys via the MMS Hotline on 4/27/93.

This is a minor exception. Exception ID: MMS-J0.7-019

n. In the connected mode, on the LOG screen, the subsystems listed under OTHER MMS SUBSYSTEMS are accessible via F1. This feature is not available from other menu screens (connected mode) and does not appear to be documented. In addition this feature is not available in MMS or in PC/MMS (local mode). This problem was reported to Unisys via the MMS Hotline on 4/27/93.

This is a minor exception. Exception ID: MMS-J0.7-020

o. In the connected mode, in LSR, after generating a LOG SUMMARY REPORT with LIR records, if F1 is pressed to retrieve one of the LIR records, the message REQUESTED FUNCTION IS UNAVAILABLE is displayed. However, in MMS, an LIR record can be retrieved from the LOG SUMMARY REPORT. This problem was reported to Unisys via the MMS Hotline on 4/13/93.

This is a minor exception. Exception ID: MMS-J0.7-021

p. In the connected mode, in LSR, when a LOG SUMMARY REPORT is generated, and F1 is pressed to retrieve a specific LRM log, the specific LRM log is not retrieved (i.e., only the default LRM log data is displayed). It appears that when F1 is pressed, the LRM screen is retrieved as if LRM was entered into the F1=GO TO field. In addition, when Shift F5 is pressed, the LRM log with the default data is displayed instead of the LSR screen. This problem was reported to Unisys via the MMS Hotline on 5/11/93.

This is a minor exception. Exception ID: MMS-J0.7-022

q. In the connected mode, in LSR, when paging through a LOG SUMMARY REPORT, the page numbers do not increase above page 20, although additional pages of log information are retrieved. This problem was reported to Unisys via the MMS Hotline on 3/26/93.

This is a minor exception. Exception ID: MMS-J0.7-023

r. In the connected mode, when an invalid function code (e.g., BLT, CAT, DOG, etc.) is entered in the F1=GO TO field of the following screens, after F1 is pressed, the cursor remains in the same position that it was prior to pressing F1: System Access, Main Menu, FEQ, FMO, FPS, FDS, ARC, PCS, LOG, LAD, LCE, LCM, LCO, LEM, LEQ, LFC, LFL, LLF, LPM, LRV, LSM, LST, LTE, LSR. ACN-100D recommends, that when an invalid function code is entered in the F1=GO TO field, the cursor be positioned on the first character of the function code to be entered. This problem was reported to Jerry Kwit, Unisys, on 4/22/93. This problem was reported to Unisys via the MMS Hotline on 4/23/93.

This is a minor exception. Exception ID: MMS-J0.7-024

s. In the connected mode, when the ADM or PCT screen is displayed, and the Up Arrow key is pressed, the cursor is positioned at the last function of the second column (i.e., ASY and PXR, respectively). For consistency with the other subsystem menu screens, ACN-100D recommends that when the Up Arrow key is pressed, the cursor be positioned at the last function of the first column. This problem was reported to Unisys via the MMS Hotline on 4/27/93.

This is a minor exception. Exception ID: MMS-J0.7-025

NOTE: As a result of the J0.7 LOF review meeting on 5/24/93, ACN-100D closed exception MMS-J0.7-025. Based on the discussions, ACN-100D determined that the extensive modifications to MMS and PC/MMS, to provide consistency with regard to cursor positioning when Arrow keys are pressed, would not be cost effective.

t. In the connected mode, from the LUT screen or any of the LUT function screens, when the LOG screen is retrieved, the last line of the LOG screen changes color to what appears to be the border color from the PCT.INI file. The PCT settings specified in the PC/MMS Software Installation and Operation Notes were used with blue chosen as the border color. The section of the last line where PROCESSING REQUEST normally appears remains black. The last line of the LOG screen will return to its normal color (black) after a non-ported function is retrieved, and then the LOG screen is again retrieved. This problem was reported to Unisys via the MMS Hotline on 4/13/93.

This is a minor exception. Exception ID: MMS-J0.7-026

u. In the connected mode, in LUP, when the correction screen is displayed, if F10 is pressed to interrupt the upload without correcting the log, and then from the LUP screen the upload is resumed, the message displayed upon completion of the upload does not include, as part of the count of unresolved logs, the log that was displayed on the correction screen when the interrupt occurred. However, after the upload is completed, the log that was displayed on the correction screen when the interrupt occurred is listed as an unresolved log on the LOG SUMMARY REPORT generated in LSR. This problem was reported to Unisys via the MMS Hotline on 5/13/93.

This is a minor exception. Exception ID: MMS-J0.7-027

v. In the connected mode, in LDL, in the START DATE field, month and day are validated; however, year is not. No year or any two digits may be entered, and records are still downloaded. When no month or day is entered, the user can not use the Tab, Arrow, or Space Bar keys. However, upon accessing LDL, when no year is entered, the Tab, Arrow, and Space Bar keys may be used. This problem was reported to Jerry Kwit, Unisys, on 4/22/93. This problem was reported to Unisys via the MMS Hotline on 4/23/93.

This is a minor exception. Exception ID: MMS-J0.7-028

w. In the connected mode, in LDL, when no date is entered in the START DATE field, the message "Field entry required" is displayed. However, the user can press F10, and logs are downloaded. When the download is completed, the user

can not cursor to the F1=GO TO field. However, some function keys are available (e.g., F2, F3, F4). This problem was reported to Jerry Kwit, Unisys, on 4/22/93. This problem was reported to Unisys via the MMS Hotline on 4/23/93.

This is a minor exception. Exception ID: MMS-J0.7-029

x. In the connected mode, in LDV, the FACILITY TYPE download does not occur by default when the FACILITY EQUIPMENT, EQUIPMENT MODULE, and/or the FACILITY SERVICE files are selected for download. The PC/MMS Software Installation and Operation Notes states "MMSTYPES is selected by default when the FSEFEQ, FSEFMO or FSEFFA files are selected." This problem was reported to Gary Hunt, Unisys, on 3/31/93.

This is a minor exception. Exception ID: MMS-J0.7-030

y. In the connected mode, in LDV, when more than one user simultaneously attempts a download on the same validation file, the message "ERROR REPORTED BY TANDEM/MMS : MDTLDV: SEND ERROR 0012 OCCURED ON SERVER MDTxxx <OK> " should be changed to "ERROR REPORTED BY TANDEM/MMS : MDTLDV: SEND ERROR 0012 OCCURRED ON SERVER MDTxxx <OK> ". This problem was reported to Unisys via the MMS Hotline on 4/19/93.

This is a minor exception. Exception ID: MMS-J0.7-031

z. In the connected mode, in LDP, when a logging download is interrupted a second time, the label for F10 in the function key area is F10=BEGIN DOWNLOAD. It should be F10=RESUME DOWNLOAD. This problem occurs after all following interruptions. This problem was reported to Unisys via the MMS Hotline on 5/13/93.

This is a minor exception. Exception ID: MMS-J0.7-032

aa. In the connected mode, in LDP, when a logging download is interrupted a second time, the function label under the BEGIN menu of the menu bar is Begin Download. It should be Resume Download. This problem occurs after all following interruptions. This problem was reported to Unisys via the MMS Hotline on 5/13/93.

This is a minor exception. Exception ID: MMS-J0.7-033

ab. In the connected mode, in LDP, when a logging download is completed successfully, the label for F10 in the function key area is F10=RESUME DOWNLOAD. It should be F10=BEGIN DOWNLOAD. This problem was reported to Unisys via the MMS Hotline on 5/13/93.

This is a minor exception. Exception ID: MMS-J0.7-034

ac. In the connected mode, in LDP, when a logging download is completed successfully, the function label under the BEGIN menu of the menu bar is Resume Download. It should be Begin Download. This problem was reported to Unisys via the MMS Hotline on 5/13/93.

This is a minor exception. Exception ID: MMS-J0.7-035

2.1.3 Local and Connected Modes.

a. In the local mode (with the exception of the PASSWORD field on the System Access Screen) and connected mode (ported functions), none of the password fields are cleared after an invalid password is entered. Therefore, if an invalid password is entered that is longer than the valid password, the valid password will not be accepted. In order to accept the valid password, blank spaces have to be added to the end of the valid password to blank out the previously entered invalid password. This problem was reported to Unisys via the MMS Hotline on 3/26/93.

This is a minor exception. Exception ID: MMS-J0.7-036

b. In the local and connected modes, on the LOG menu, in the Help for LUT (i.e., MDT-UTILITIES), only three operations are listed. ACN-100D recommends that the following operations be added: (1) Downloading validation files, (2) Downloading PM data, (3) Initializing PC/MMS ID, (4) Importing and exporting PC/MMS data. This problem was reported to Unisys via the MMS Hotline on 4/23/93.

This is a minor exception. Exception ID: MMS-J0.7-037

c. In the local and connected modes, in LEQ, the NEW-EQUIP-LOCATION Help is missing a line of text. In MMS, the sentence which begins "A VALUE ENTERED HERE" is followed by "WILL BE USED TO UPDATE THE EQUIPMENT LOCATION". This text which follows "A VALUE ENTERED HERE" is omitted from the PC/MMS NEW-EQUIP-LOCATION Help. This problem was reported to Unisys via the MMS Hotline on 4/6/93.

This is a minor exception. Exception ID: MMS-J0.7-038

d. In the local and connected modes, in LFC, a log can be opened, continued, and closed (logging action codes: O, C, X, A) without an entry in the FAC STATUS field. However, FAC STATUS is a required field in MMS (see also MMS User's Manual, 4.10.9.b and Appendix F). This problem was reported to Unisys via the MMS Hotline on 4/6/93.

This is a minor exception. Exception ID: MMS-J0.7-039

e. In the local and connected modes, in LFC, when the cursor is at the FAC STATUS field and the Enter key is pressed, the cursor is positioned at the STATUS DATE field. The cursor should be positioned at the MM field of the ENTRY/CLOSE field. This problem was reported to Unisys via the MMS Hotline on 4/29/93.

This is a minor exception. Exception ID: MMS-J0.7-040

f. In the local and connected modes, in LFL, when the cursor is at the AIRCRAFT NBR field and the Enter key is pressed, the cursor is positioned at the INSP STMT field. The cursor should be positioned at the MM field of the ENTRY/CLOSE field. This problem was reported to Unisys via the MMS Hotline on 4/29/93.

This is a minor exception. Exception ID: MMS-J0.7-041

g. In the local and connected modes, in LLF, when the cursor is at the UHF or VHF field and the Enter key is pressed, the cursor is positioned at the LFB field. The cursor should be positioned at the TICKET NO field. This problem was reported to Unisys via the MMS Hotline on 4/29/93.

This is a minor exception. Exception ID: MMS-J0.7-042

h. In the local and connected modes, in LLF, when the cursor is at the LFB, RSP, or UVB field and the Enter key is pressed, the cursor is positioned at the P/S field. The cursor should be positioned at the TICKET NO field. This problem was reported to Unisys via the MMS Hotline on 4/29/93.

This is a minor exception. Exception ID: MMS-J0.7-043

i. In the local and connected modes, when the LLF screen is printed, extraneous characters (i.e., / / , : :) are on the hard copy in places where there are no entry fields. This problem was reported to Unisys via the MMS Hotline on 4/19/93.

This is a minor exception. Exception ID: MMS-J0.7-044

j. In the local and connected modes, in LST, when the cursor is at the DEPARTURE DATE field and the Enter key is pressed, the cursor is positioned at the DEPARTURE TIME field. The cursor should be positioned at the TRAVEL TIME field. This problem was reported to Unisys via the MMS Hotline on 4/29/93.

This is a minor exception. Exception ID: MMS-J0.7-045

k. In the local and connected modes, in LST, if a closed LST log is used as a template to add a new open LST log, the open LST log cannot be added without a DEPARTURE DATE and DEPARTURE TIME. However, in MMS, an open LST log can be added without entering a DEPARTURE DATE and DEPARTURE TIME even if a closed LST log is used as a template. This problem was reported to Unisys via the MMS Hotline on 4/6/93.

This is a minor exception. Exception ID: MMS-J0.7-046

l. In the local and connected modes, in LSR, the day and month are validated. However, when two-digit values of 00 - 42 (or no value) are entered for the year in the START DATE field, the message "Field value is too large or small" is displayed. Only two-digit values of 43 - 93 for the year are allowed. When any date over the current date is entered, the message "INVALID DATE" is displayed. In MMS, in LSR, the day and month are validated. Only two-digit values of 01 - 99 for the year are allowed. There is no error

message for any date over the current date. This problem was reported to Unisys via the MMS Hotline on 4/23/93.

This is a minor exception. Exception ID: MMS-J0.7-047

m. In the local and connected modes, in LSR, in the Help for the AREA field, ATCT is listed as a valid value. However, when ATCT is entered into the AREA field, the message "*** CURRENT FIELD IS INVALID ****" is displayed. This problem was reported to Unisys via the MMS Hotline on 5/13/93.

This is a minor exception. Exception ID: MMS-J0.7-048

n. In the local and connected modes, in LTE, when the cursor is at the EVAL TYPE field and the Enter key is pressed, the cursor is positioned at the EVAL STMT field. The cursor should be positioned at the MM field of the ENTRY/CLOSE field. This problem was reported to Unisys via the MMS Hotline on 4/29/93.

This is a minor exception. Exception ID: MMS-J0.7-049

o. In the local and connected modes, in LUT, in the menu bar, the Help text under STATUS for LUT Instant Help Information PC/MMS Logging Utilities (LUT) refers to only three PC/MMS logging utilities. The Help should be updated to include information about LDP and LDL. This problem was reported to Unisys via the MMS Hotline on 4/13/93.

This is a minor exception. Exception ID: MMS-J0.7-050

p. In the local and connected modes, in LUT and all of its functions, in the menu bar, in the GO TO ... function, LOGGING ADMINSTRATIVE/GENERAL should be LOGGING ADMINISTRATIVE/GENERAL. This problem was reported to Unisys via the MMS Hotline on 4/13/93.

This is a minor exception. Exception ID: MMS-J0.7-051

q. In the local and connected modes, in LIN, the Help text for MPS SITE includes the following invalid MPS site codes listed under VALID VALUES: ZSU, BDL, DEN, DTW, FAI, ICT, ORF, STL, and ACTB. ACN-100D recommends that the above MPS site codes be deleted from the Help text. ACN-100D also recommends that ACT1 and AACB be added to the Help text. This problem was reported to Unisys via the MMS Hotline on 4/13/93.

This is a minor exception. Exception ID: MMS-J0.7-052

r. In the local and connected modes, in LIN, when the following MPS site codes are entered in the MPS SITE field, ACN-100D recommends that the message CURRENT FIELD IS INVALID be displayed: ZSU, BDL, DEN, DTW, FAI, ICT, ORF, STL, and ACTB. ACN-100D also recommends that ACT1 and AACB be allowed as valid MPS site codes. This problem was reported to Unisys via the MMS Hotline on 4/13/93.

This is a minor exception. Exception ID: MMS-J0.7-053

2.1.4 PC/MMS J0.7 Software Installation and Operation Notes.

a. Paragraph C.2.7.d, page C-13, of the PC/MMS J0.7 Software Installation and Operation Notes states that after logging on in local mode, "If this is the first time that the PC/MMS software is executed on this MDT, the following message will be displayed: "MDT Initialization file absent Dis-Connected log entries will be disallowed Logging Identification (LIN) should be selected."" However, this message is displayed only after "CONNECT" is entered, if there is no LIN record. After "LOCAL" is entered, if there is no LIN record, no message is displayed (see also exception MMS-J0.7-001). ACN-100D recommends that the Software Installation and Operation Notes be updated to explain what occurs in the local and connected modes when there is no LIN record. This problem was reported to Unisys via the MMS Hotline on 4/13/93.

This is a minor exception. Exception ID: MMS-J0.7-054

b. Paragraph C.3.5, page C-24, of the PC/MMS J0.7 Software Installation and Operation Notes states that logs downloaded using the PCMDT report are "accessed in read-only mode" and "Corrections and new information can be added, but existing logging data cannot be modified or deleted." It is misleading to state that the logs are read-only even though that particular sequence number of the log cannot be updated. Also, existing logging data can be modified in the sense that a new sequence to the log can be added with the previous data changed. The above referenced statements are unnecessary, since the logs downloaded using the PCMDT report appear to be no different from any other logs that have been added in the local or connected modes. This problem was reported to Unisys via the MMS Hotline on 5/13/93.

This is a minor exception. Exception ID: MMS-J0.7-055

c. Paragraph C.3.9, page C-29, of the PC/MMS J0.7 Software Installation and Operation Notes does not state that START DATE is a required field in LDL. The MMS User's Manual, paragraph 5.4.1, page 5-9, states "The START DATE must be entered." This problem was reported to Unisys via the MMS Hotline on 5/13/93.

This is a minor exception. Exception ID: MMS-J0.7-056

2.1.5 MMS A04.05 User's Manual.

a. ACN-100D recommends that a paragraph be added to section 5.0, PC/MMS, of the MMS User's Manual to document the fact that when a user enters CONNECT, and a connection is made to PC/MMS, the MPS sets the date and time on the PC to the MPS date and time. This problem was reported to Unisys via the MMS Hotline on 4/19/93.

This is a minor exception. Exception ID: MMS-J0.7-057

b. The use of the End key on a PC, from any field on which the cursor is positioned, to advance to the F1=GO TO field does not appear to be documented (except for a reference to the Logging Activity Subsystem in the A04.05 Version Description Document, C.5.1, page C-33). ACN-100D recommends that

this key, along with other PC keyboard keys, be documented in the MMS User's Manual in a paragraph similar to 3.2, TANDEM 6530 TERMINAL KEYBOARD, of the MMS User's Manual. This problem was reported to Unisys via the MMS Hotline on 4/29/93.

This is a minor exception. Exception ID: MMS-J0.7-058

2.2 MMS A04.05 AND PC/MMS J0.7 OT&E INTEGRATION TEST RESULTS.

a. In MMS and PC/MMS (local and connected modes), when F1 is pressed from the current screen, various messages are displayed as shown in table 2.2-1. For those screens where the table entry is "no message" or "PLEASE MAKE A SELECTION", ACN-100D recommends that the message YOU HAVE SELECTED THE CURRENT SCREEN be displayed. This problem was reported to Unisys via the MMS Hotline on 4/27/93.

This is a minor exception. Exception ID: MMS-J0.7-059

b. In MMS and PC/MMS (local and connected modes), when certain screens are displayed and F1 is pressed, various formats of the message **WARNING - F1 WILL CLEAR SCREEN; F1 = CLEAR SCREEN F15 = SAVE SCREEN** are displayed as listed in table 2.2-2. The various formats of the warning message and the screens applicable to each are listed in table 2.2-3. For all screens on which this warning message is displayed, ACN-100D recommends that it be formatted as follows:

WARNING - F1 WILL CLEAR SCREEN; F1 = CLEAR SCREEN F15 = SAVE SCREEN

This problem was reported to Calista Hillman, Unisys, on 4/30/93.

This is a minor exception. Exception ID: MMS-J0.7-060

c. With regard to the Home key on the Tandem 6530 terminal, the MMS User's Manual, 3.2.9, page 3-3, states "Pressing this key while holding down the Shift key positions the cursor on the GO TO field." However, when an OATS PC is used, and the user presses the Shift/Home key combination, varied results occur in PC/MMS and MMS as follows: In the local mode, on the LOG and PMS screens, when the cursor is positioned on any LOG or PMS function, and the Shift/Home key combination is pressed, the cursor does not move. In the local mode, within all LOG and PMS function screens, when the cursor is positioned on any field, a "7" is displayed. In the connected mode, on the Main Menu and LOG screens, when the cursor is positioned on any Main Menu or LOG function, the cursor does not move. In the connected mode, on all screens other than the Main Menu and LOG, when the cursor is positioned on any field, a "7" is displayed. In the local and connected modes, on the LUT screen, when the cursor is positioned on any LUT function, and the Shift/Home key combination is pressed, the cursor moves from one function to another, like the Tab key. In the local and connected modes, on all screens, when the cursor is positioned on the F1=GO TO field, and the Shift/Home key combination is pressed, the cursor does not move, but a "7" is displayed. In MMS, when the

TABLE 2.2-1

CURRENT SCREEN	MMS (via PCT)	LOCAL	CONNECTED
ADM	no message	N/A	no message
all other ADM functions	WARNING - F1 WILL CLEAR SCREEN; F1=CLEAR SCREEN F15=SAVE SCREEN	N/A	WARNING - F1 WILL CLEAR SCREEN; F1=CLEAR SCREEN F15=SAVE SCREEN
LOG	no message	YOU HAVE SELECTED THE CURRENT SCREEN	YOU HAVE SELECTED THE CURRENT SCREEN
LUT and other LUT functions	N/A	YOU HAVE SELECTED THE CURRENT SCREEN	YOU HAVE SELECTED THE CURRENT SCREEN
all other LOG functions	WARNING - F1 WILL CLEAR SCREEN; F1=CLEAR SCREEN F15=SAVE SCREEN	WARNING - F1 WILL CLEAR SCREEN; F1=CLEAR SCREEN F15=SAVE SCREEN	WARNING - F1 WILL CLEAR SCREEN; F1=CLEAR SCREEN F15=SAVE SCREEN
NPR	PLEASE MAKE A SELECTION	N/A	PLEASE MAKE A SELECTION
all other NPR functions	WARNING - F1 WILL CLEAR SCREEN; F1=CLEAR SCREEN F15=SAVE SCREEN	N/A	WARNING - F1 WILL CLEAR SCREEN; F1=CLEAR SCREEN F15=SAVE SCREEN
FSE	no message	N/A	no message, but screen blanks out and repaints
all other FSE functions	WARNING - F1 WILL CLEAR SCREEN; F1=CLEAR SCREEN F15=SAVE SCREEN	N/A	WARNING - F1 WILL CLEAR SCREEN; F1=CLEAR SCREEN F15=SAVE SCREEN
RGD	no message	N/A	no message

REP, RNP, RTE	WARNING - F1 WILL CLEAR SCREEN; F1=CLEAR SCREEN F15=SAVE SCREEN	N/A	WARNING - F1 WILL CLEAR SCREEN; F1=CLEAR SCREEN F15=SAVE SCREEN
RPC	no message	N/A	no message
RST	N/A	N/A	N/A
PMS	no message	YOU HAVE SELECTED THE CURRENT SCREEN	no message
all other PMS functions except PMM not applicable in local mode	WARNING - F1 WILL CLEAR SCREEN; F1=CLEAR SCREEN F15=SAVE SCREEN	WARNING - F1 WILL CLEAR SCREEN; F1=CLEAR SCREEN F15=SAVE SCREEN	WARNING - F1 WILL CLEAR SCREEN; F1=CLEAR SCREEN F15=SAVE SCREEN
TEC	PLEASE MAKE A SELECTION	N/A	PLEASE MAKE A SELECTION
all other TEC functions except TEX and TCP not applicable	WARNING - F1 WILL CLEAR SCREEN; F1=CLEAR SCREEN F15=SAVE SCREEN	N/A	WARNING - F1 WILL CLEAR SCREEN; F1=CLEAR SCREEN F15=SAVE SCREEN
PCT	no message	N/A	no message
all other PCT functions	WARNING - F1 WILL CLEAR SCREEN; F1=CLEAR SCREEN F15=SAVE SCREEN	N/A	WARNING - F1 WILL CLEAR SCREEN; F1=CLEAR SCREEN F15=SAVE SCREEN

TABLE 2.2-2

1. **WARNING - F1 WILL CLEAR SCREEN; F1=CLEAR SCREEN F15=SAVE SCREEN**
2. **WARNING - F1 WILL CLEAR SCREEN; F1 = CLEAR SCREEN F15 = SAVE SCREEN**
3. **WARNING - F1 WILL CLEAR SCREEN; F1 = CLEAR SCREEN F15 = SAVE SCREEN**
4. **WARNING - F1 WILL CLEAR SCREEN; F1=CLEAR SCREEN, F15=SAVE SCREEN.**
5. **WARNING - F1 WILL CLEAR SCREEN;F1 = CLEAR SCREEN F15 = SAVE SCREEN**
6. **WARNING-F1 WILL CLEAR SCREEN;F1 = CLEAR SCREEN F15 = SAVE SCREEN**
7. **WARNING-F1 WILL CLEAR SCREEN; F1=CLEAR SCREEN F15=SAVE SCREEN**
8. **WARNING-F1 WILL CLEAR SCREEN; F1 = CLEAR SCREEN F15 = SAVE SCREEN**
9. WARNING - F1 WILL CLEAR SCREEN; F1 = CLEAR SCREEN F15 = SAVE SCREEN (no highlighting)

TABLE 2.2-3

1. **WARNING - F1 WILL CLEAR SCREEN; F1=CLEAR SCREEN F15=SAVE SCREEN**

PC/MMS Local Mode : LAD, LCM, LCE, LEQ, LEM, LFC, LFL, LLF, LPM, LST, LSM, LTE, LCO, LRV, LSR, PMT, PMC

PC/MMS Connected Mode: LAD, LCM, LCE, LEQ, LEM, LFC, LFL, LLF, LPM, LST, LSM, LTE, LCO, LRV, LSR

2. **WARNING - F1 WILL CLEAR SCREEN; F1 = CLEAR SCREEN F15 = SAVE SCREEN**

PC/MMS Connected Mode: ALF, FEQ, RNP

MMS : ALF, FEQ, RNP

3. **WARNING - F1 WILL CLEAR SCREEN; F1 = CLEAR SCREEN F15 = SAVE SCREEN**

PC/MMS Connected Mode: AAR, ACC, AFA, ARC, ASY, REP, RTE, PMM, PMT, PMC, TET, TEI, TCR, TCM, TCS, TSP, PAR, PGA, PRC, PRR, PTE, PCR, PCS, PMD, PPA, PSM, PSR, PXR

MMS : AAR, ACC, AFA, ARC, ASY, REP, RTE, PMM, PMT, PMC, TET, TEI, TCR, TCM, TCS, TSP, PAR, PGA, PRC, PRR, PTE, PCR, PCS, PMD, PPA, PSM, PSR, PXR

4. **WARNING - F1 WILL CLEAR SCREEN; F1=CLEAR SCREEN, F15=SAVE SCREEN.**

PC/MMS Connected Mode: LIR, LRM

MMS : LAD, LCM, LCE, LEQ, LEM, LFC, LFL, LIR, LLF, LPM, LRM, LST, LSM, LTE, LCO, LRV, LSR

5. **WARNING - F1 WILL CLEAR SCREEN;F1 = CLEAR SCREEN F15 = SAVE SCREEN**

MMS: FDS

6. **WARNING-F1 WILL CLEAR SCREEN;F1 = CLEAR SCREEN F15 = SAVE SCREEN**

PC/MMS Connected Mode: FMO, FDS

MMS : FMO

7. **WARNING-F1 WILL CLEAR SCREEN; F1=CLEAR SCREEN F15=SAVE SCREEN**

PC/MMS Connected Mode: FPS, FPF

MMS : FPS, FPF

8. **WARNING-F1 WILL CLEAR SCREEN; F1 = CLEAR SCREEN F15 = SAVE SCREEN**

PC/MMS Connected Mode: FFA

MMS : FFA

9. WARNING - F1 WILL CLEAR SCREEN; F1 = CLEAR SCREEN F15 = SAVE SCREEN (no highlighting)

PC/MMS Connected Mode: NPT, NSR, NFA, NHD, NSP

MMS : NPT, NSR, NFA, NHD, NSP

10. There is no "WARNING F1 - WILL CLEAR SCREEN; ..." message.

PC/MMS Connected Mode: RPC

MMS : RPC

cursor is positioned on any field, and the Shift/Home key combination is pressed, a "7" is displayed.

This is a minor exception. Exception ID: MMS-J0.7-061

2.3 ADDITIONAL MMS A04.05 OT&E INTEGRATION TEST RESULTS.

2.3.1 Security.

In MMS, on the System Access screen, the following logon scenario causes the System Access screen to disappear and parity error 15 to occur:

a. Log on with valid userid and password;
b. Press F6;
c. Attempt to log on with invalid userid and/or password;
d. Log on with valid userid and password;
e. Press F6;
f. Attempt to log on with invalid userid and/or password;
g. Attempt to log on with invalid userid and/or password.

According to the MMS Software Design Document, paragraph 4.4.4.2.1, page 4-90, the above scenario should occur after "three successive logon failures." Note that the scenario includes three logon failures; however, they are not successive. This problem was reported to Unisys via the MMS Hotline on 4/23/93 and again on 4/27/93.

This is a major exception. Exception ID: MMS-A04.05-062-*

2.3.2 Data Entry.

a. In MMS, when an invalid function code (e.g., BLT, CAT, DOG, etc.) is entered in the F1=GO TO field of the following screens, after F1 is pressed, the cursor remains in the same position that is was prior to pressing F1: ARC, PCS, FEQ, FMO, FPS, FDS. ACN-100D recommends, that when an invalid function code is entered in the F1=GO TO field, the cursor be positioned on the first character of the function code to be entered. This problem was reported to Jerry Kwit, Unisys, on 4/22/93. This problem was reported to Unisys via the MMS Hotline on 4/23/93.

This is a minor exception. Exception ID: MMS-A04.05-063

b. In MMS, when the Main Menu is displayed and the Up Arrow key is pressed, the cursor is positioned at the OLD PASSWORD field. This problem was reported to Unisys via the MMS Hotline on 4/27/93.

This is a minor exception. Exception ID: MMS-A04.05-064

NOTE: As a result of the J0.7 LOF review meeting on 5/24/93, ACN-100D closed exception MMS-A04.05-064. Based on the discussions, ACN-100D determined that the extensive modifications to MMS and PC/MMS, to provide consistency with regard to cursor positioning when Arrow keys are pressed, would not be cost effective.

c. In MMS, when the LOG, ADM, or PCT screen is displayed and the Up Arrow key is pressed, the cursor is positioned at the last function of the second column (i.e., LSR, ASY, and PXR, respectively). This problem was reported to Unisys via the MMS Hotline on 4/27/93.

This is a minor exception. Exception ID: MMS-A04.05-065

NOTE: As a result of the J0.7 LOF review meeting on 5/24/93, ACN-100D closed exception MMS-A04.05-065. Based on the discussions, ACN-100D determined that the extensive modifications to MMS and PC/MMS, to provide consistency with regard to cursor positioning when Arrow keys are pressed, would not be cost effective.

2.4 PC/MMS J0.7 AND MMS A04.05 RECOMMENDATION.

ACN-100D recommends that the PC/MMS and MMS be modified prior to fielding to correct the major exceptions, and to the extent possible, the minor exceptions identified herein.

3. ACN-100D EXCEPTIONS RESOLVED IN PC/MMS VERSION J0.7.

ACN-100D verified that the following ACN-100D exceptions, listed in the PC/MMS J0.7 Release Highlights as resolved with J0.7, were resolved:

MMS-J0.5-035, MMS-J0.5-036, MMS-J0.5-039, MMS-J0.5-042, MMS-J0.5-043, MMS-J0.5-045, MMS-J0.5-048, MMS-J0.5-049, MMS-J0.5-055, MMS-J0.5-058, MMS-J0.5-059, MMS-J0.5-060, MMS-J0.5-063, MMS-J0.5-065, MMS-J0.5-066, MMS-J0.5-068, MMS-J0.5-069, MMS-J0.5-071, MMS-J0.5-073, MMS-J0.5-077, MMS-J0.5-078, MMS-J0.5-079, MMS-J0.5-080, MMS-J0.5-081, MMS-J0.6-004, MMS-J0.6-005, MMS-J0.6-008, MMS-J0.6-009, MMS-J0.6-011, MMS-J0.6-012, MMS-J0.6-013, MMS-J0.6-014, MMS-J0.6-015, MMS-J0.6-016, MMS-J0.6-020, MMS-J0.6-021, MMS-J0.6-022, MMS-J0.6-023, MMS-J0.6-024, MMS-J0.6-025, MMS-J0.6-026, MMS-J0.6-027, MMS-J0.6-028, MMS-J0.6-031, MMS-J0.6-032, MMS-J0.6-033, MMS-J0.6-034, MMS-J0.6-035, MMS-J0.6-036, MMS-J0.6-037, MMS-J0.6-038, MMS-J0.6-040, MMS-J0.6-041, MMS-J0.6-043, MMS-J0.6-044, MMS-J0.6-045, MMS-J0.6-046, MMS-J0.6-047, MMS-J0.6-049, MMS-J0.6-050, MMS-J0.6-051, MMS-J0.6-053, MMS-J0.6-054, MMS-J0.6-056, MMS-J0.6-057, MMS-J0.6-060, MMS-J0.6-061, MMS-J0.6-063, MMS-J0.6-064, MMS-J0.6-065, MMS-J0.6-067, MMS-J0.6-068, MMS-J0.6-069, MMS-J0.6-070, MMS-J0.6-071, MMS-J0.6-072, MMS-J0.6-073.

4. ACN-100D EXCEPTIONS NOT RESOLVED IN PC/MMS VERSION J0.7.

ACN-100D verified that the following ACN-100D exceptions, listed in the PC/MMS J0.7 Release Highlights as resolved with J0.7, were not resolved:

MMS-J0.5-032 The PC/MMS Software Installation and Operation Notes includes section C.3.7.1, PC/MMS Logging Download for

Verification. This title should be changed to PC/MMS Logging Download for Validation to be consistent with all other references to the LDV function. This problem was reported to Unisys via the MMS Hotline on 4/6/93 as well as discussed with Bob Hobbs.

MMS-J0.5-033 Documentation should be available that details the reports that can be generated that will show the LIN information included with the logs. This problem was discussed with Bob Hobbs of Unisys on 4/6/93.

MMS-J0.5-061 This finding will be left open until the LDV feature of selecting the MMSTYPES field by default is functioning. This problem was discussed with Bob Hobbs of Unisys on 4/6/93.

MMS-J0.5-062 In LDV, the column labeled "S" should be replaced with "SELECT" or left blank. This problem was discussed with Bob Hobbs of Unisys on 4/6/93.

MMS-J0.5-067 When Ctrl End is pressed from a connected mode non-ported screen, the message displayed has "DIASLLOWED" instead of "DISALLOWED". This problem was reported to Unisys via the MMS Hotline on 4/6/93 as well as discussed with Bob Hobbs.

MMS-J0.5-074 The attempt to make the MENU-BAR, GO TO ... function names consistent with MMS LOGGING ACTIVITY SUBSYSTEM MENU names has created an inconsistency within the MENU-BAR, GO TO ... function names. The following function names within the MENU-BAR, GO TO ... screen should remove LOGGING from the beginning of the function name: LOGGING ADMINSTRATIVE/GENERAL, LOGGING CORRECTIVE MAINTENANCE, LOGGING COMMENTS, LOGGING EQUIPMENT MODIFICATION, LOGGING EQUIPMENT INSTALLATION, LOGGING FLIGHT INSPECTION, LOGGING PERIODIC MAINTENANCE, LOGGING DETAILED REVIEW, LOGGING LOG SUMMARY REPORTS, LOGGING TECHNICAL EVALUATION. Also, LOGGING DOWNLOAD - LOGGING should be changed to LOGGING DOWNLOAD - LOGGING DATA. This problem was discussed with Bob Hobbs of Unisys on 4/6/93. This problem was reported to Unisys via the MMS Hotline on 4/13/93.

MMS-J0.6-003 The message DATABASE NOT PRESENT should be more specific as to which of the validation files is being checked during the add of a log and found to be absent. This problem was reported to Unisys via the MMS Hotline on 3/26/93. This problem was discussed with Bob Hobbs of Unisys on 4/6/93.

MMS-J0.6-006 This problem can still be reproduced. This problem was reported to Unisys via the MMS Hotline on 4/6/93 as well as discussed with Bob Hobbs.

MMS-J0.6-007 The issue of the SFO field being displayed as two digits requires further discussion. The documentation added to resolve this exception is not acceptable.

MMS-J0.6-017 The following features are recommended to make the upload correction screen more useable. First, when the correction screen is displayed during an upload, the cursor should be positioned on the first field in error and continue to be placed on any following fields in error until the user adds the log with no errors or exits the screen. Secondly, upon completion of the upload, either the message should reflect the logs uploaded that are still in error or add to the message of the number of logs uploaded in error the number of logs corrected after upload (i.e., with the upload correction screen). This problem was reported to Unisys via the MMS Hotline on 4/6/93 as well as discussed with Bob Hobbs and Margaret Weedon.

MMS-J0.6-018 In the Version Description Document for MMS Version A04.05, Appendix C, Section C.5.4.6, SF5 Return to LSR/Report Screens, the "Comm 4" error is displayed when attempting certain functions.

MMS-J0.6-019 This problem was reported to Unisys via the MMS Hotline on 4/6/93 as well as discussed with Bob Hobbs.

MMS-J0.6-029 The issue, that the START DATE selection criteria is ignored for open logs when a "B" or a blank is in the OPEN/CLOSE/BOTH field of the LDL screen, requires further discussion. Documentation alone may not be acceptable. This problem was reported to Unisys via the MMS Hotline on 4/6/93 as well as discussed with Bob Hobbs and Margaret Weedon.

MMS-J0.6-030 This problem can still be reproduced but appears to be isolated to one particular OATS PC used for testing that is running DOS 3.3. The first time the F12 key is pressed, the clock in the top right corner stops, although no apparent function is performed. When F12 is pressed a second time, the clock restarts, and the desired function is performed.

NOTE: At the J0.7 LOF review meeting on 5/24/93, Unisys recommended that ACN-100D have the keyboard of the PC used during the testing checked, since Unisys could not replicate the problem. On 5/26/93 ACN-100D attached a different OATS keyboard to the PC, replicated the problem, and notified Jerry Kwit, Unisys. Jerry stated that the problem may be caused by the keyboard controller chip and suggested that ACN-100D run diagnostics on it. On 5/27/93 the Technical Center PC repair personnel, ACM-530, ran diagnostics and determined that the keyboard was functioning properly. After ACN-100D replicated the problem in PC/MMS for ACM-530,

ACM-530 copied DOS 5.0 files COMMAND.COM, ANSI.SYS, and SETVER.EXE, as well as two files used during the testing, CONFIG.SYS and AUTOEXEC.BAT, to a diskette. When ACM-530 cold-booted the PC with this diskette, ACN-100D could not replicate the problem (i.e., F12 functioned properly). ACN-100D related the above to Jerry Kwit, Unisys, on 5/27/93.

MMS-J0.6-039 This finding was listed in the PC/MMS SOFTWARE INSTALLATION AND OPERATION NOTES in section C.5.4.2, Outstanding Problems from ACN-100D Letters of Findings.

NOTE: As a result of the J0.7 LOF review meeting on 5/24/93, ACN-100D closed exception MMS-J0.6-039. Based on the discussions, ACN-100D determined that the extensive modifications to MMS and PC/MMS, to provide consistency with regard to cursor positioning when Arrow keys are pressed, would not be cost effective.

MMS-J0.6-042 The title "LSD Instant Help Information" should be "LSR Instant Help Information". This problem was reported to Unisys via the MMS Hotline on 3/26/93.

MMS-J0.6-052 The Help text under STATUS from the menu bar for LIN exceeds the right margin by one character. This problem was reported to Unisys via the MMS Hotline on 4/6/93 as well as discussed with Bob Hobbs.

MMS-J0.6-055 In the connected mode, the Help text for F1=GO TO (i.e., FUNCTION-CODE) for PMS and its functions and all non-ported screens needs to add LDL and LDP to the list of functions VALID ONLY FROM MDT. This problem was reported to Unisys via the MMS Hotline on 3/26/93.

MMS-J0.6-059 The issue of the F12 key definition in LDL and documenting of the F12 function requires further discussion. This problem was reported to Unisys via the MMS Hotline on 4/6/93 as well as discussed with Bob Hobbs. Described below are four scenarios: (1) Local mode (before download); (2) Connected mode (before download); (3) Connected mode (after download); (4) Local mode (after download).

(1) Local mode (before download): In the local mode, when LDL is accessed for the first time (i.e., there has been no previous download), the default filter values are displayed; the message "Prior download file NOT FOUND" is displayed; the F12 key is defined as F12=DEFAULT FILTER; and the COUNT and date/time fields are empty. When F12 is pressed, the F12 key remains defined as F12=DEFAULT FILTER; however, the "Prior download file NOT FOUND" message disappears and cannot be redisplayed by pressing F12.

ACN-100D Recommendation: In the local mode, when LDL is accessed for the first time and there has been no previous download, ACN-100D recommends that the default filter values be displayed and F12 be defined as F12=PREVIOUS FILTER. When the user presses F12, ACN-100D recommends that F12 remain defined as F12=PREVIOUS FILTER, and that an error message be displayed which indicates that there is no previous filter (e.g., NO PREVIOUS FILTER FOUND).

(2) Connected mode (before download): In the connected mode, when LDL is accessed for the first time (no previous download), the default filter values are displayed; no message (as in local mode) is displayed; the F12 key is defined as F12=DEFAULT FILTER; and the COUNT and date/time fields are empty. When F12 is pressed, the F12 key remains defined as F12=DEFAULT FILTER.

ACN-100D Recommendation: In the connected mode, when LDL is accessed for the first time and there has been no previous download, ACN-100D recommends that the default filter values be displayed and F12 be defined as F12=PREVIOUS FILTER. When the user presses F12, ACN-100D recommends that F12 remain defined as F12=PREVIOUS FILTER and that an error message be displayed which indicates that there is no previous filter (e.g., NO PREVIOUS FILTER FOUND).

(3) Connected mode (after download): In the connected mode, when LDL is accessed for the first time (no previous download), the default filter values are displayed, and the F12 key is defined as F12=DEFAULT FILTER. Whether the user uses the default filter values or alters them, after the first download (user has not exited the LDL screen), the F12 key is defined as F12=DEFAULT FILTER; the COUNT and date/time fields contain values reflecting the download; and the displayed field values are those that were used for the download. After this first download, if the user exits the LDL screen (e.g., presses F3) and then accesses LDL (e.g., enters LDL in the F1=GO TO field and presses F1), the default filter values are displayed, and the F12 key is defined as F12=PREVIOUS FILTER. Once there has been one download, any time that LDL is accessed, the default filter values are displayed, and the F12 key is defined as F12=PREVIOUS FILTER.

ACN-100D Recommendation: In the connected mode, after a download (i.e., user is still on the LDL screen, and the message "DOWNLOAD completed successfully" is displayed), ACN-100D recommends that F12 be defined as F12=DEFAULT FILTER.

ACN-100D Recommendation: In the connected mode, after the first successful download and subsequent downloads, when the

user leaves the LDL screen (e.g., presses F4), and then accesses LDL (during the current session) or accesses LDL during subsequent sessions, ACN-100D recommends that the previous filter values be displayed, and the F12 key be defined as F12=DEFAULT FILTER. In other words, when LDL is accessed and a previous filter exists, the previous filter values should be displayed, and the F12 key should be defined as F12=DEFAULT FILTER.

(4) Local mode (after download): In the local mode, after a download, when LDL is accessed, the displayed filter values are those that were used for the previous download; the F12 key is defined as F12=DEFAULT FILTER; and the COUNT and date/time fields contain values reflecting the previous download. In other words, in the local mode, after a download, when LDL is initially accessed, the screen looks exactly the same as the LDL screen in connected mode immediately after the download.

With regard to the local mode after a download, ACN-100D agrees with the J0.7 implementation described in (4) above.

MMS-J0.6-062 Paragraph 5.4.3.2 of the MMS User's Manual was not updated to address stopping of the logging upload process. This problem was reported to Unisys via the MMS Hotline on 4/6/93 as well as discussed with Bob Hobbs.

MMS-J0.6-066 Paragraph 5.4.4, Downloading Logging Reference and Validation Data (LDV), includes a paragraph that describes the "upper portion of the screen." In the J0.6 Letter of Findings ACN-100D recommended that "a sentence or paragraph should be appended to paragraph 5.4.4 which addresses the previous download results section of the LDV screen." The J0.7 User's Manual includes only these words to describe the lower portion of the screen: "displays both previous download results." ACN-100D recommends that there be at least one sentence to describe the lower portion of the screen (e.g., "The lower portion of the screen pertains to the records in the validation files that have been downloaded to the PC and, for each file, includes the number of records downloaded and the date/time the download completed.")

5. ACN-100D OPEN AND CLOSED EXCEPTIONS.

Tables 5-1 and 5-2 list the open and closed exceptions, respectively, identified by ACN-100D during past and present test efforts. For each exception the table includes a short description, exception ID, and status of the exception as of this LOF. The exception ID is a unique identifier comprised of the software acronym (i.e., MMS), development version in which

the exception was first detected by ACN-100D, and a three-digit number assigned sequentially within the body of an LOF or test report for a given version. In addition, when an exception is identified as major, an asterisk (*) is appended to the exception ID.

TABLE 5-1. ACN-100D MMS AND PC/MMS OPEN EXCEPTIONS REPORT

DESCRIPTION OF EXCEPTION	EXCEPTION ID	CURRENT STATUS
MMS SECURITY TEST		
In MMS, on System Access screen, less than 3 successive logon failures causes parity error 15	MMS-A04.05-062-*	OPEN
MMS LOGGING ACTIVITY SUBSYSTEM TEST		
In LEM date can be entered in ORDERED field greater than date in RECEIVED field	MMS-A04-006	OPEN
In LRV comment DATE and TIME fields are not entirely highlighted when in error	MMS-A04-009	OPEN
Inconsistent messages displayed when user retrieves records	MMS-A03.2-001	OPEN
MMS REPORT GENERATION/DISTRIBUTION SUBSYSTEM TEST		
In RTE, when TEINVRPT report generated, first page has no headers and totals, second page has no requested data	MMS-A04.04-003	OPEN
Within REP, RNP, RPG, and RTE, there should be function key to return to RGD menu	MMS-A04-017	OPEN
In REP, REPORT PROCESSING message remains on screen after report generated	MMS-A04-018	OPEN
In Report Names screens in REP, subfunction and field identifiers should be spelled out	MMS-A04-021	OPEN
In Report Names, PMTODAY long name should be PMs AND CERTIFICATIONS ...	MMS-A04-022	OPEN

MMS PERSONNEL CERT AND TRAINING SUBSYSTEM TEST

Leading zero in ZIP field not displayed on PPA screen	MMS-A04.03-002	OPEN

MMS TEST EQUIPMENT AND CALIBRATION SUBSYSTEM TEST

In TET, when record retrieved, LO entered in TC field, F9 pressed, DISPOSITION field filled prior to entry of req. data	MMS-A04.04-005	OPEN
In TCR, extraneous characters on bottom right of screen	MMS-A04.04-006	OPEN
In TCR, when F7 (SELECT) or F10 (PRODUCE REPORT) pressed, highlighted space appears on right side of screen	MMS-A04.04-007	OPEN

MMS DATA ENTRY/HELP/FUNCTION KEY TEST

In MMS, when invalid function code entered in F1=GO TO of certain screens, when F1 pressed, cursor at same position	MMS-A04.05-063	OPEN

MMS USER'S MANUAL

In MMS User's Manual, paragraph should be added to document PC keyboard keys	MMS-J0.7-058	OPEN
Long name for PMTODAY should be PMs AND CERTIFICATIONS ...	MMS-A04-027	OPEN

MMS SOFTWARE REQUIREMENTS SPECIFICATION

Modify SRS for consistency with Help screens of REP	MMS-A04-029	OPEN

PC/MMS LOCAL MODE

In PC/MMS local mode, after installation of PC/MMS, on System Access screen, can't cursor to F1=ENTER until press Shift Alt F6	MMS-J0.7-001	OPEN

In PC/MMS local mode, System Access screen, Help for SECTOR, INITIALS, PASSWORD confusing: YOUR USERID WILL BE INVALID ...	MMS-J0.7-002	OPEN
In PC/MMS local mode, when invalid function code entered in F1=GO TO, after F1 pressed, cursor at same position	MMS-J0.7-005	OPEN
In PC/MMS local mode, when unavailable function code entered in F1=GO TO, after F1 pressed, cursor at same position	MMS-J0.7-006	OPEN
In PC/MMS local mode, F8 pressed to add log when no valid. files downloaded; PC beeps; F8 must be pressed again	MMS-J0.6-003	OPEN
In PC/MMS local mode, in LDL, IMPORT function does not always work properly	MMS-J0.6-006	OPEN
In PC/MMS local mode, SFO on LSR screen appears to be default-filled with first digit of SFO from LIN screen	MMS-J0.6-007	OPEN
In PC/MMS local mode, when F5 pressed from LOG or PMS, OTHER MMS SUBSYSTEMS area info displayed in message box shadow	MMS-J0.6-010	OPEN
PC/MMS CONNECTED MODE		
In PC/MMS conn mode, on System Access screen, less than 3 successive logon failures causes comm error 2	MMS-J0.7-007-*	OPEN
In PC/MMS conn mode, dialup, on Main Menu, MCS entered in F1=GO TO and any char. entered in OLD PASSWORD, IMCS accessed	MMS-J0.7-008-*	OPEN
In PC/MMS conn mode, when ported function displayed, then nonported, and F4 pressed, PC hangs	MMS-J0.7-009-*	OPEN

In PC/MMS conn mode, in LDV, when attempt to download FACILITY TYPE records, PC hangs, then comm error 4	MMS-J0.7-010-*	OPEN
In PC/MMS conn mode, in LDP, F10 pressed twice, if F4, F6, Alt Shift F6 pressed, PC hangs, then comm error 17	MMS-J0.7-012-*	OPEN
In PC/MMS conn mode, in LDV, dialup, when > 1 user downloads same val. file, error 12, press Enter, download other file, PC hangs	MMS-J0.7-013-*	OPEN
In PC/MMS conn mode, in LDV, when > 1 user downloads same val. file, error 12, press Enter, go to LOG, etc. only download FAC TYPE	MMS-J0.7-014-*	OPEN
In PC/MMS conn mode, in LDP, when > 1 user downloads PM records, download may be interrupted or incomplete PM database downloaded	MMS-J0.7-015-*	OPEN
In PC/MMS conn mode, in LDV, > 1 user downloads same val. file, error 12, press Enter, other than LOG, error msg etc, downloads OK	MMS-J0.7-016	OPEN
In PC/MMS conn mode, on System Access screen, Help text for SECTOR, INITIALS, PASSWORD is disconnected mode help	MMS-J0.7-017	OPEN
In PC/MMS conn mode, on Main Menu, at OLD PASSWORD, when End key pressed, cursor at NEW PASSWORD field	MMS-J0.7-018	OPEN
In PC/MMS conn mode, in FSE, when F1 pressed, screen blanks out and is redisplayed with no msg	MMS-J0.7-019	OPEN

In PC/MMS conn mode, on LOG, subsystems under OTHER MMS SUBSYSTEM accessible via F1--not documented	MMS-J0.7-020	OPEN
In PC/MMS conn mode, in LSR, after generate LSR report with LIR records, press F1, msg displayed REQUESTED FUNCTION IS UNAVAILABLE	MMS-J0.7-021	OPEN
In PC/MMS conn mode, in LSR, when generate LSR report & press F1 to retrieve specific LRM log, LRM log with default data displayed	MMS-J0.7-022	OPEN
In PC/MMS conn mode, in LSR, page numbers on LOG SUMMARY REPORT do not increase above 20	MMS-J0.7-023	OPEN
In PC/MMS conn mode, when invalid function code entered in F1=GO TO, after F1 pressed, cursor in same position	MMS-J0.7-024	OPEN
In PC/MMS conn mode, on LUT or its function screens, when LOG displayed, last line changes color	MMS-J0.7-026	OPEN
In PC/MMS conn mode, in LUP, at correction screen, press F10 (log not corrected), upload resumed, log not corrected not in count	MMS-J0.7-027	OPEN
In PC/MMS conn mode, in LDL, month and day validated, but year not validated	MMS-J0.7-028	OPEN
In PC/MMS conn mode, in LDL, when no date enter in START DATE, error msg, press F10, logs downloaded	MMS-J0.7-029	OPEN
In PC/MMS conn mode, in LDV, FACILITY TYPE download does not occur by default when FAC EQUIP, EQUIP MODULE, FAC SERV selected	MMS-J0.7-030	OPEN

In PC/MMS conn mode, in LDV, when > 1 user downloads same validation file, send error msg 12 has OCCURED misspelling	MMS-J0.7-031	OPEN
In PC/MMS conn mode, in LDP, when download interrupted second time, label for F10 in function key area incorrect	MMS-J0.7-032	OPEN
In PC/MMS conn mode, in LDP, when download interrupted second time, function label under BEGIN menu incorrect	MMS-J0.7-033	OPEN
In PC/MMS conn mode, in LDP, when download completed, label for F10 in function key area incorrect	MMS-J0.7-034	OPEN
In PC/MMS conn mode, In LDP, when download completed, function label under BEGIN menu is incorrect	MMS-J0.7-035	OPEN
In PC/MMS conn mode, in LUP, when error log corrected and upload complete, msg indicates log uploaded in error	MMS-J0.6-017	OPEN
In PC/MMS conn mode, when log retrieved from LSR report and SF5 to return to LSR, comm error 16 msg displayed	MMS-J0.6-018-*	OPEN
In PC/MMS conn mode, in LDV, when no records found for selected valid. file, X remains	MMS-J0.6-019	OPEN
In PC/MMS conn mode, in LDL, B in OPEN/CLOSE/BOTH, START DATE restricts only closed, not open, records	MMS-J0.6-029	OPEN
In PC/MMS conn mode, in LDL, F12 must be pressed 2 or 3 times to activate PREVIOUS & DEFAULT FILTER	MMS-J0.6-030	OPEN
In PC/MMS conn mode, in LDV, X should be default protected to left of FACILITY TYPE	MMS-J0.5-061	OPEN

In PC/MMS conn mode, in LDV, meaning of column label "S" unclear	MMS-J0.5-062	OPEN
In PC/MMS conn mode, when other than Alt Shift F6 pressed to exit, msg "... DIASLLOWED" should be "DISALLOWED"	MMS-J0.5-067	OPEN

PC/MMS LOCAL AND CONNECTED MODES

In PC/MMS, local (except PASSWORD) and conn (ported) modes, none of password fields are cleared after invalid password entered	MMS-J0.7-036	OPEN
In PC/MMS, both modes, on LOG, in Help for LUT, only three operations listed	MMS-J0.7-037	OPEN
In PC/MMS, both modes, in LEQ, NEW-EQUIP-LOCATION Help missing line of text: WILL BE USED TO UPDATE THE EQUIPMENT LOCATION	MMS-J0.7-038	OPEN
In PC/MMS, both modes, in LFC, log can be opened, continued, closed without entry in FAC STATUS field	MMS-J0.7-039	OPEN
In PC/MMS, both modes, in LFC, when cursor at FAC STATUS field and Enter key pressed, cursor at STATUS DATE field	MMS-J0.7-040	OPEN
In PC/MMS, both modes, in LFL, when cursor at AIRCRAFT NBR field and Enter key pressed, cursor at INSP STMT field	MMS-J0.7-041	OPEN
In PC/MMS, both modes, in LLF, when cursor at UHF or VHF field and Enter key pressed, cursor at LFB field	MMS-J0.7-042	OPEN
In PC/MMS, both modes, in LLF, when cursor at LFB, RSP, UVB field and Enter key pressed, cursor at P/S field	MMS-J0.7-043	OPEN

In PC/MMS, both modes, when LLF screen printed, extraneous characters on hard copy (e.g., / / and : :)	MMS-J0.7-044	OPEN
In PC/MMS, both modes, in LST, when cursor positioned at DEPARTURE DATE field and Enter key pressed, cursor at DEPARTURE TIME field	MMS-J0.7-045	OPEN
In PC/MMS, both modes, in LST, if closed log used as template to add open LST log, must enter DEPARTURE DATE & DEPARTURE TIME	MMS-J0.7-046	OPEN
In PC/MMS, both modes, in LSR, when 00 - 42 (or no value) entered in START DATE year, error msg (differs from MMS)	MMS-J0.7-047	OPEN
In PC/MMS, both modes, in LSR, in Help for AREA field, ATCT listed as valid but when entered, error msg	MMS-J0.7-048	OPEN
In PC/MMS, both modes, in LTE, when cursor at EVAL TYPE field and Enter key pressed, cursor at EVAL STMT field	MMS-J0.7-049	OPEN
In PC/MMS, both modes, in LUT, in menu bar, Help text under STATUS for PC/MMS Logging Utilities (LUT) includes only 3 utilities	MMS-J0.7-050	OPEN
In PC/MMS, both modes, in LUT and LUT functions, in menu bar, GO TO ... function, ADMINSTRATIVE misspelling	MMS-J0.7-051	OPEN
In PC/MMS, both modes, in LIN, Help for MPS SITE includes invalid sites: ZSU, BDL, DEN, DTW, FAI, ICT, ORF, STL, ACTB	MMS-J0.7-052	OPEN
In PC/MMS, both modes, in LIN, if ZSU, BDL, DEN, DTW, FAI, ICT, ORF, STL, ACTB entered in MPS SITE, should get invalid msg	MMS-J0.7-053	OPEN

In PC/MMS both modes, after LSR generated, Help "LSD Instant..." should be "LSR Instant ..."; MMA should be MMS	MMS-J0.6-042	OPEN
In PC/MMS both modes, date, time, password required to add comments on Comments screen but only password in MMS	MMS-J0.6-048	OPEN
In PC/MMS both modes, in LUT, LDV, LIN, menu bar, Help for GO TO LFC and GO TO ..., words truncated on screen	MMS-J0.6-052	OPEN
In PC/MMS both modes, in LOG, PMS, and their functions, in Help for FUNCTION-CODE, add LDL and LDP	MMS-J0.6-055	OPEN
In PC/MMS both modes, in Main Menu, LOG, LSR, PMS, PMC, blank spaces around = should be deleted	MMS-J0.6-058	OPEN
In PC/MMS both modes, in LUT, SFO field is two characters; Help indicates one character	MMS-J0.5-070	OPEN
In PC/MMS both modes, MENU-BAR, GO TO function, LOG function names inconsistent with MMS names	MMS-J0.5-074	OPEN
In PC/MMS both modes, messages should be in uppercase letters for consistency with MMS	MMS-J0.5-075	OPEN
In PC/MMS both modes, in LDV when viewing validation records, field names inconsistent with MMS field names	MMS-J0.5-076	OPEN

MMS AND PC/MMS

In MMS and PC/MMS (both modes), when F1 pressed from current screen, various msgs displayed	MMS-J0.7-059	OPEN

In MMS and PC/MMS (both modes), when certain screen displayed and F1 pressed, various formats of WARNING-F1 WILL CLEAR SCREEN; ...	MMS-J0.7-060	OPEN
In MMS and PC/MMS (both modes), when using a PC, pressing Shift Home key combination produces varied results	MMS-J0.7-061	OPEN
PC/MMS DOCUMENTATION		
In PC/MMS, when log on first time in local, error msg not displayed as stated in Software Installation & Operation Notes, C.2.7.d	MMS-J0.7-054	OPEN
In PC/MMS Software Installation & Operation Notes, C.3.5, "accessed in read-only mode" is misleading	MMS-J0.7-055	OPEN
In PC/MMS Software Installation & Operation Notes, C.3.9, not stated that START DATE a required field in LDL	MMS-J0.7-056	OPEN
In MMS User's Manual, section 5.0, paragraph should be added to document MPS setting date/time on PC when connection made	MMS-J0.7-057	OPEN
In MMS User's Manual, 5.4.1, parameters from previous download not displayed as stated	MMS-J0.6-059	OPEN
In MMS User's Manual, 5.4.3, add subparagraph to address stopping of logging upload process	MMS-J0.6-062	OPEN
In MMS User's Manual, 5.4.4, add sentence or para. to address previous download results section of LDV screen	MMS-J0.6-066	OPEN

PC/MMS Inst & Oper Notes, LUT screen name references should be consistent with application	MMS-J0.5-032	OPEN
PC/MMS Inst & Oper Notes and SAG and/or User's Manual should state how LIN info can be retrieved	MMS-J0.5-033	OPEN

TABLE 5-2. ACN-100D MMS AND PC/MMS CLOSED EXCEPTIONS REPORT

DESCRIPTION OF EXCEPTION	EXCEPTION ID	CURRENT STATUS
MMS/IMCS INITIALIZATION/LOADING TEST		
COBOL85 run-time library not installed on \ACTA MPS	MMS-A03.4-001	CLOSED A03.4
MMS SECURITY TEST		
Sector and Initials remain on screen when access IMCS and press F6 to log off	MMS-A04-001	CLOSED A04.04
When user with access level of 0 attempts access to MMS subsystems, incorrect message displayed	MMS-A04-002	CLOSED A04.02/.03
User with access level of 1, 2, or 3 can produce ACCLAST report--should only be 4	MMS-A04-003	CLOSED A04.02/.03
Process $B961 (TERMCHKO) had error 26	MMS-A04-004	CLOSED A04.02/.03
When controller turned off and on, disconnect; to reconnect, must enter Alt Backspace, then Main Menu displayed	MMS-A04-005	CLOSED A04.04
MMS ADMINISTRATION SUBSYSTEM TEST		
When ACC record modified, MAIL PASSWORD deleted	MMS-A04.03-001-*	CLOSED A04.04
MMS ADMACC FILE GROUP UPDATE UTILITY TEST		
In ACCUPD, on Group Access ID Maintenance screen, when F2 (HELP) pressed and F1 (PROCEED) pressed, user logged off	MMS-A04.04-001-*	CLOSED A04.05
MMS LOGGING ACTIVITY SUBSYSTEM TEST		
In LOG and LSR, when invalid 3-char code entered in F1=GO TO and F5 & F16 pressed, msg ERROR ON CALL LID ... displayed	MMS-A04.04-002	CLOSED A04.05

In LLF error message, incorrect spelling of FEILD(S)	MMS-A04-007	CLOSED A04.04
In LRV when less than nine lines of comments and no comments added, incorrect message displayed	MMS-A04-008	CLOSED A04.04
In LRV number of comments not displayed like LCO	MMS-A04-010	CLOSED A04.04
Should LOG ID NUMBER be retained when going from LRV to any other LOG function?	MMS-A04-011	CLOSED N/A
In LCO when less than nine lines of comments and no comments added, incorrect message displayed	MMS-A04-012	CLOSED A04.04
Displayed time not current system time upon return to Logging Menu screen	MMS-A03.3-001	CLOSED A04

MMS FACILITY SERVICE EQUIPMENT PROFILE SUBSYSTEM TEST

In FDS, when attempt to generate data sets A, B, C, or D, error message displayed	MMS-A04-013	CLOSED A04.02/.03
In FFA, COST CENTER field only five characters (VDD states six)	MMS-A04-014	CLOSED-MEMO-N/A
In FMO, SHORT NAME field modified with same data, and OPERATION SUCCESSFUL message displayed	MMS-A04-015	CLOSED N/A
After FPF record retrieved and F12 pressed, message includes reference to FSU (not available)	MMS-A04-016	CLOSED A04.02/.03

MMS REPORT GENERATION SUBSYSTEM TEST

Validity check not always performed on selection criteria data	MMS-A03.3-002	CLOSED A04.04

MMS REPORT GENERATION/DISTRIBUTION SUBSYSTEM TEST

Report 6040-12 (FSINTDTL) could not be produced	MMS-A04-019-*	CLOSED A04.02/.03
Should PCPFF be PCFPF?	MMS-A04-020	CLOSED N/A
In Help screens for REP, RNP, and RTE, editing feature enabled	MMS-A04-023	CLOSED A04.02/.03

MMS/NAPRS CONVERSION TEST

TACL sets for volume and subvolume set to test configuration	MMS-A03.3-003	CLOSED A03.31
Unable to download daily NAPRS data file from MPS to PC	MMS-A03.3-004-*	CLOSED A03.4

TRANSFER NETWORK UPDATE INTERFACE TEST

TRANSFER not transmitting updates to designated MPS node	MMS-A03.4-002-*	CLOSED A03.41

MMS EXTENDED FUNCTIONS SUBSYSTEM TEST

Access allowed to TEC subfunction with T followed by any two letters	MMS-A03.3-005	CLOSED A04
Return to EXT SYS ACCESS screen when F2 pressed for PCT, FSC, and NPR	MMS-A03.3-006	CLOSED A03.4

MMS PERSONNEL CERT AND TRAINING SUBSYSTEM TEST

In PPA when attempting to retrieve record, KBD LOCK remained	MMS-A04B-001-*	CLOSED A04.02/.03

MMS TEST EQUIPMENT AND CALIBRATION SUBSYSTEM TEST

In TCS, when entry made only in PASSWORD field and F8 (ADD) pressed, msg 11 - REPLY LENGTH INVALID displayed	MMS-A04.04-004	CLOSED A04.05

MMS MISCELLANEOUS

Message needed to denote 80% or 90% file full condition	MMS-A04-024	CLOSED N/A

MMS DATA ENTRY/HELP/FUNCTION KEY TEST		
In MMS, on Main Menu, when Up Arrow key pressed, cursor at OLD PASSWORD field	MMS-A04.05-064	CLOSED N/A
In MMS, on LOG, ADM, or PCT screen, when Up Arrow key pressed, cursor at last function of second column	MMS-A04.05-065	CLOSED N/A
Documentation and software inconsistent: MAIN MENU versus SYSTEM ACCESS	MMS-A03.2-002	CLOSED A04
MMS USER'S MANUAL		
RSEP should be FSEP	MMS-A04-025	CLOSED A04.01 UM
In appendix D, long report names should be consistent with software	MMS-A04-026	CLOSED A04.01 UM
MMS SYSTEM ADMINISTRATOR'S GUIDE		
Table 6-6 does not specify non key or primary fields	MMS-A04-028	CLOSED A04.02/.03
PC/MMS INSTALLATION		
Correct spelling and format errors on PC/MMS software installation screens	MMS-J0.5-037	CLOSED J0.6
PC/MMS LOCAL MODE		
In PC/MMS local mode, in LSR, when REGION, SECTOR, AREA entered & no FACILITY SERVICE dbase on PC, no logs displayed on LSR report	MMS-J0.7-003	CLOSED N/A
In PC/MMS local mode, in LSR, when AREA entered & appropriate FACILITY SERVICE dbase present, no logs displayed on LSR report	MMS-J0.7-004	CLOSED N/A
In PC/MMS local mode, in LDP, EXPORT function, PM data not properly saved	MMS-J0.6-004-*	CLOSED J0.7

In PC/MMS local mode, when downloaded LST log retrieved, ARRIVAL DATE not displayed	MMS-J0.6-005	CLOSED J0.7
In PC/MMS local mode, when F6=LOGOFF pressed after logging on seven times, error msg displayed	MMS-J0.6-008	CLOSED J0.7
In PC/MMS local mode, in LOG and PMS, OTHER MMS SUBSYSTEMS area info not displayed but printed	MMS-J0.6-009	CLOSED J0.7
In PC/MMS local mode, screens not consistent with display of version identification	MMS-J0.5-038	CLOSED J0.6
In PC/MMS local mode, System Access and Main Menu screens should display AOS Hotline telephone number	MMS-J0.5-039	CLOSED J0.7
In PC/MMS local mode, problems with LSR report generation	MMS-J0.5-040-*	CLOSED J0.6
In PC/MMS local mode, correct grammar, spelling errors in Help screens for SECTOR, INITIALS, PASSWORD	MMS-J0.5-041	CLOSED J0.6
In PC/MMS local mode, GO TO field Help screens for LOG and PMS inconsistent	MMS-J0.5-042	CLOSED J0.7
In PC/MMS local mode, when Alt Shift F4 pressed, is message correct?	MMS-J0.5-043	CLOSED J0.7

PC/MMS CONNECTED MODE

In PC/MMS conn mode, in LDL, < 2MG on C drive, press F10, allowed database to be searched for 50 minutes	MMS-J0.7-011-*	CLOSED N/A
In PC/MMS conn mode, when ADM or PCT displayed, Up Arrow key pressed, cursor at last function of second column	MMS-J0.7-025	CLOSED N/A

In PC/MMS conn mode, when LIN entered in F1=ENTER of System Access screen and F1 pressed, LOG Menu displayed	MMS-J0.6-011	CLOSED J0.7
In PC/MMS conn mode, when attempt to retrieve PMD, PSM, PSR, or PXR from Main Menu, PC hangs	MMS-J0.6-012-*	CLOSED J0.7
In PC/MMS conn mode, when attempt to retrieve PMD, PSM, PSR, or PXR from Security Access, LOG Menu displayed	MMS-J0.6-013	CLOSED J0.7
In PC/MMS conn mode, when attempt to retrieve RST from F1=GO TO of nonported functions, varied results occur	MMS-J0.6-014	CLOSED J0.7
In PC/MMS conn mode, when attempt to retrieve RST from System Access, LOG Menu displayed	MMS-J0.6-015	CLOSED J0.7
In PC/MMS conn mode, when SF2 pressed to page through LSR report, comm error 4 msg displayed	MMS-J0.6-016-*	CLOSED J0.7
In PC/MMS conn mode, OUT selection displayed on Main Menu; should only be displayed at FAA node	MMS-J0.6-020	CLOSED J0.7
In PC/MMS conn mode, in LAD, LFC, LFL, LLF, LST, LSM, LTE, when Comments screen retrieved, msg blinks; PC hangs	MMS-J0.6-021-*	CLOSED J0.7
In PC/MMS conn mode, in LUP, when valid LPM/LCE log uploaded, unresolved log results; LUP msg indicates no error	MMS-J0.6-022	CLOSED J0.7
In PC/MMS conn mode, when LSR report generated, ENTRY TYPE selection criteria ignored	MMS-J0.6-023	CLOSED J0.7

In PC/MMS conn mode, in LDP, all records that meet selection criteria not downloaded	MMS-J0.6-024-*	CLOSED J0.7
In PC/MMS conn mode, PCPlus msg should be "Logging onto the MPS"	MMS-J0.6-025	CLOSED J0.7
In PC/MMS conn mode, in LUP, logs previously downloaded and updated should be identified with MPS LOG ID	MMS-J0.6-026	CLOSED J0.7
In PC/MMS conn mode, in LUP, when voided log uploaded, LOG ID NUMBER has incorrect sequence number	MMS-J0.6-027	CLOSED J0.7
In PC/MMS conn mode, access port LOG function, then nonported, then attempt LUT functions, error msg displayed	MMS-J0.6-028-*	CLOSED J0.7
In PC/MMS conn mode, in LDV, when download interrupted second time, F10 label in function key area incorrect	MMS-J0.6-031	CLOSED J0.7
In PC/MMS conn mode, in LDV, when download interrupted second time, menu bar, BEGIN, Begin Download incorrect	MMS-J0.6-032	CLOSED J0.7
In PC/MMS conn mode, in LDV, when download completed, F10 label in function key area incorrect	MMS-J0.6-033	CLOSED J0.7
In PC/MMS conn mode, in LDV, when download completed, menu bar, BEGIN, Resume Download incorrect	MMS-J0.6-034	CLOSED J0.7
In PC/MMS conn mode, in LDL, when download interrupted second time, F10 label in function key area incorrect	MMS-J0.6-035	CLOSED J0.7
In PC/MMS conn mode, in LDL, when download interrupted second time, menu bar, BEGIN, Begin Download incorrect	MMS-J0.6-036	CLOSED J0.7

In PC/MMS conn mode, in LDL, when download completed, F10 label in function key area incorrect	MMS-J0.6-037	CLOSED J0.7
In PC/MMS conn mode, in LDL, when download completed, menu bar, BEGIN, Resume Download incorrect	MMS-J0.6-038	CLOSED J0.7
In PC/MMS conn mode, msg "Dis-Connect entries" should be "Local (disconnected) mode entries"	MMS-J0.5-044	CLOSED J0.6
In PC/MMS conn mode, attempt to access MCS, OUT, RST exits PC/MMS and connects to MMS	MMS-J0.5-045	CLOSED J0.7
In PC/MMS conn mode, date selection criteria ignored when LSR report run a second time	MMS-J0.5-046	CLOSED J0.6
In PC/MMS conn mode, attempt to page through LSR report (Shift F2) causes TCP error	MMS-J0.5-047	CLOSED J0.6
In PC/MMS conn mode, attempt to retrieve LRM causes PC to hang	MMS-J0.5-048	CLOSED J0.7
In PC/MMS conn mode, go to LSR, then F6. Attempt to repeat steps causes PC to hang	MMS-J0.5-049	CLOSED J0.7
In PC/MMS conn mode, on RST screen, none of user keystrokes displayed	MMS-J0.5-050	CLOSED J0.6
In PC/MMS conn mode, on all Rep Gen/Dist screens, when F12 pressed, none of user keystrokes displayed	MMS-J0.5-051	CLOSED J0.6
In PC/MMS conn mode, no ASY record for LIN record, logs uploaded OK (expected unresolved error msg)	MMS-J0.5-052	CLOSED N/A
In PC/MMS conn mode, logs in error uploaded but msg displayed NO LOGS WERE UPLOADED IN ERROR	MMS-J0.5-053	CLOSED J0.6

In PC/MMS conn mode, msg "Communications Error 1 - returning to Tandem" displayed when screen inactive	MMS-J0.5-054	CLOSED J0.6
In PC/MMS conn mode, when F1 pressed at Main Menu and unresolved logs, EMA screen displayed	MMS-J0.5-055	CLOSED J0.7
In PC/MMS conn mode, after retrieve log from LSR report and press Shift F5, retrieve msg continues to blink	MMS-J0.5-056	CLOSED J0.6
In PC/MMS conn mode, in LUP, after return from error handling screen, PC hangs	MMS-J0.5-057	CLOSED J0.6
In PC/MMS conn mode, in LDV when download canceled (appears due to disk space), msg displayed is unclear	MMS-J0.5-058	CLOSED J0.7
In PC/MMS conn mode, when request FEQ, FMO, FPS, FPF, FDS from AFA, ALF, or ARC, FFA screen displayed	MMS-J0.5-059	CLOSED J0.7
In PC/MMS conn mode, when some val. records downloaded, FACILITY TYPE file may be incomplete	MMS-J0.5-060	CLOSED J0.7
In PC/MMS conn mode, LDV Help screens should describe records downloaded	MMS-J0.5-063	CLOSED J0.7
In PC/MMS conn mode, in LDL when future date entered, expected invalid date msg	MMS-J0.5-064	CLOSED J0.6
In PC/MMS conn mode, in LDL Help screen, all required fields are not listed	MMS-J0.5-065	CLOSED J0.7
In PC/MMS conn mode, in LDP when F10 pressed during PM CERTIFICATION STMTS download, msg displayed is truncated	MMS-J0.5-066	CLOSED J0.7

PC/MMS LOCAL AND CONNECTED MODES

In PC/MMS both modes, in appl. LOG functions, when up arrow pressed at FAC/SERV, cursor position inconsistent	MMS-J0.6-039	CLOSED N/A
In PC/MMS both modes, in LSM, MAINTENENCE in screen title should be MAINTENANCE	MMS-J0.6-040	CLOSED J0.7
In PC/MMS both modes, in LCO, function key labels should not be highlighted	MMS-J0.6-041	CLOSED J0.7
In PC/MMS both modes, in LSR, Help for END DATE refers to nonexistent END TIME field	MMS-J0.6-043	CLOSED J0.7
In PC/MMS both modes, in LSR, Help for START DATE refers to nonexistent END TIME field	MMS-J0.6-044	CLOSED J0.7
In PC/MMS both modes, in LSR, Help for OPEN/CLOSE/BOTH refers to INCL VOID/DEL, but no delete function	MMS-J0.6-045	CLOSED J0.7
In PC/MMS both modes, in LUT, LDL title should be LDL - LOGGING DOWNLOAD - LOGGING DATA	MMS-J0.6-046	CLOSED J0.7
In PC/MMS both modes, in LUT functions' screens, field SFO should be SUBSECTOR	MMS-J0.6-047	CLOSED J0.7 UM
In PC/MMS both modes, in LST, departure date/time required to continue log; not required in MMS	MMS-J0.6-049	CLOSED J0.7
In PC/MMS both modes, in LDL, INCL VOID/DEL should be INCL VOID	MMS-J0.6-050	CLOSED J0.7
In PC/MMS both modes, in LDL, menu bar, BEGIN, Begin Download activated, data beneath BEGIN window displayed	MMS-J0.6-051	CLOSED J0.7

In PC/MMS both modes, in LUT, LIN, LDP, LDL, LDV, "ellipse" should be "ellipsis (...)"	MMS-J0.6-053	CLOSED J0.7
In PC/MMS both modes, menu bar, EXIT menu, in Help for GO TO ||| <F1>, add LDL and LDP to VALID ONLY FROM MDT	MMS-J0.6-054	CLOSED J0.7
In PC/MMS both modes, in LUT and its functions, in Help for FUNCTION-CODE, delete and add functions to correct	MMS-J0.6-056	CLOSED J0.7
In PC/MMS both modes, in LDL, Help for INCLUDE-VOID refers to DELETED RECORDS; no delete in MMS	MMS-J0.6-057	CLOSED J0.7
In PC/MMS both modes, sector and initials displayed in uppercase when Caps Lock key is off	MMS-J0.5-068	CLOSED J0.7
In PC/MMS both modes, using Alt F2 for full screen help does not allow data entry into field	MMS-J0.5-069	CLOSED J0.7 VDD
In PC/MMS both modes, SF5 - Return not in function key area of LUT screens (except LIN), although available	MMS-J0.5-071	CLOSED J0.7
In PC/MMS both modes, msg when LSR report generated and no logs retrieved, inconsistent in local vs. conn modes	MMS-J0.5-072	CLOSED J0.6
In PC/MMS both modes, MENU-BAR, GO TO function, update top message	MMS-J0.5-073	CLOSED J0.7
In PC/MMS both modes, in LUT functions, when using Print Screen from menu, menu box displayed on printout	MMS-J0.5-077	CLOSED J0.7
In PC/MMS local and conn for ported, when using Print Screen, no form feed after screen printed	MMS-J0.5-078	CLOSED N/A

In PC/MMS both modes, in LDP, message incorrect when cursor positioned on Help in STATUS menu	MMS-J0.5-079	CLOSED J0.7
In PC/MMS both modes, in LDL, message incorrect when cursor positioned on Help in STATUS menu	MMS-J0.5-080	CLOSED J0.7
In PC/MMS both modes, in LDL, Help should include that log with most recent sequence number downloaded	MMS-J0.5-081	CLOSED J0.7
In PC/MMS, in LUP, PC hangs when attempting to upload log with ID different than MPS	MMS-J0.5-082	CLOSED J0.6

PC/MMS DOCUMENTATION

In MMS User's Manual, 5.4.1, add subparagraph to address stopping of logging data download process	MMS-J0.6-060	CLOSED J0.7 UM
In MMS User's Manual, 5.4.3, add sentence regarding upload of logging records--must be in connected mode	MMS-J0.6-061	CLOSED J0.7 UM
In MMS User's Manual, 5.4.3.4, add "In the local mode" before first word in first sentence	MMS-J0.6-063	CLOSED J0.7 UM
In MMS User's Manual, 5.4.3.4, append "from the LUP screen" to first sentence	MMS-J0.6-064	CLOSED J0.7 UM
In MMS User's Manual, 5.4.4, add sentence regarding download of valid. data--must be in connected mode	MMS-J0.6-065	CLOSED J0.7 UM
In MMS User's Manual, 5.4.4, add paragraph to address stopping of validation data download process	MMS-J0.6-067	CLOSED J0.7 UM

In MMS User's Manual, 5.4.4.3, insert "In the local or connected mode" before first word of first sentence	MMS-J0.6-068	CLOSED J0.7 UM
In MMS User's Manual, 5.4.4.3, append "from the LDV screen" to "menu bar" in first sentence	MMS-J0.6-069	CLOSED J0.7 UM
In MMS User's Manual, 5.4.5, add sentence regarding download of PM/CERT ref. data--must be in connected mod	MMS-J0.6-070	CLOSED J0.7 UM
In MMS User's Manual, 5.4.5, add subparagraph to address stopping of PM/CERT reference data download process	MMS-J0.6-071	CLOSED J0.7 UM
In MMS User's Manual, 5.4.6, add sentence regarding downloaded files may be exported while in local or conn mode	MMS-J0.6-072	CLOSED J0.7 UM
In MMS User's Manual, 5.4.7, add sentence regarding exported files may be imported while in local or conn mode	MMS-J0.6-073	CLOSED J0.7 UM
MMS User's Manual should indicate local mode synonymous with disconnected mode	MMS-J0.5-030	CLOSED J0.6 UM
PC/MMS Inst & Oper Notes should indicate local mode synonymous with disconnected mode	MMS-J0.5-031	CLOSED J0.6 INST
LIN only described in PC/MMS Inst & Oper Notes. Should LIN be documented in User's and/or SAG?	MMS-J0.5-034	CLOSED J0.6 SAG
Add info on DOS files to User's Manual to facilitate cleanup maintenance	MMS-J0.5-035	CLOSED N/A
In LDL section of User's Manual, emphasize only log with most recent sequence number downloaded	MMS-J0.5-036	CLOSED J0.7 UM