

DISTRIBUTION SHEET

To K Basins	From K Basins	Page 1 of 1
		Date Sept 15, 1994
Project Title/Work Order MAC Version 3.2, MBA Version 1.3 Acceptance Test Summary Report / E13966		EDT No. 604033
		ECN No.

Name	MSIN	Text With All Attach.	Text Only	Attach./ Appendix Only	EDT/ECN Only
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P.J. Edwards	A4-79				
F.K. Mangan	B5-22	X			
J.D. Mathews	X3-61				
K.R. Morris	X3-67	X			
J.E. Mullaney	B5-22	X			
V.K. Russell	B5-22	X			
C.A. Thompson	X3-72				
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ENGINEERING DATA TRANSMITTAL

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1. EDT 604033

2. To: (Receiving Organization) K BASINS	3. From: (Originating Organization) K BASINS	4. Related EDT No.: None
5. Proj./Prog./Dept./Div.: Facility OPS	6. Cog. Engr.: Lorie L. Blehm	7. Purchase Order No.: None
8. Originator Remarks: This is the acceptance test report written for testing based on the Paradox Conversion to 4.0 ATP.		9. Equip./Component No.: N/A
		10. System/Bldg./Facility: N/A
11. Receiver Remarks: None		12. Major Assm. Dwg. No.: N/A
		13. Permit/Permit Application No.: N/A
		14. Required Response Date: N/A

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(A) Item No.	(B) Document/Drawing No.	(C) Sheet No.	(D) Rev. No.	(E) Title or Description of Data Transmitted	Impact Level	Reason for Transmittal	Originator Disposition	Receiver Disposition
1	WHC-SD-SNF-ATR-002		0	MAC Version 3.2, MBA Version 1.3 Acceptance Test Summary Report	A NA	1	1	1

16. KEY		
Impact Level (F)	Reason for Transmittal (G)	Disposition (H) & (I)
1, 2, 3, or 4 (see MRP 5.43)	1. Approval 2. Release 3. Information 4. Review 5. Post-Review 6. Dist. (Receipt Acknow. Required)	1. Approved 2. Approved w/comment 3. Disapproved w/comment 4. Reviewed no/comment 5. Reviewed w/comment 6. Receipt acknowledged

17. SIGNATURE/DISTRIBUTION (See Impact Level for required signatures)													
(G)	(H)	(J) Name (K) Signature (L) Date (M) MSIN				(J) Name (K) Signature (L) Date (M) MSIN				(G)	(H)		
Reason	Disp.	(J) Name		(K) Signature	(L) Date	(M) MSIN	(J) Name		(K) Signature	(L) Date	(M) MSIN	Reason	Disp.
1		Cog-Eng.		L.L. Blehm	<i>[Signature]</i>	9/19/94	J.E. Mullaney		<i>[Signature]</i>	10/20/94	85-22	1	
1		Cog. Mgr.		C.A. Thompson	<i>[Signature]</i>	9/19/94	F.K. Mangan		<i>[Signature]</i>	10/20/94	85-22	1	
1		QA		J.A. Warren	<i>[Signature]</i>	10/20/94	V.K. Russell		<i>[Signature]</i>	10/20/94		1	
1		Safety		J.D. Mathews	<i>[Signature]</i>	9/10/94	K.R. Morris		<i>[Signature]</i>	9/19/94	13-67	1	1

18. Signature of EDT Originator <i>[Signature]</i> Date: 10/20/94	19. Authorized Representative for Receiving Organization Date: _____	20. Cognizant/Project Engineer's Manager <i>[Signature]</i> Date: 9/19/94	21. DOE APPROVAL (if required) Ltr. No. <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/comments <input type="checkbox"/> Disapproved w/comments
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RELEASE AUTHORIZATION

Document Number: WHC-SD-SNF-ATR-002, Rev. 0

Document Title: MAC Version 3.2, MBA Version 3.3 Acceptance Test Report.

Release Date: 10/20/94

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**This document was reviewed following the
procedures described in WHC-CM-3-4 and is:**

APPROVED FOR PUBLIC RELEASE

* * * * *

WHC Information Release Administration Specialist:

C. Willingham
C. WILLINGHAM

10/20/94

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SUPPORTING DOCUMENT		1. Total Pages 16
2. Title MAC Version 3.2, MBA Version 1.3 Acceptance Test Summary Report	3. Number WHC-SD-SNF-ATR-002	4. Rev No. 0
5. Key Words MASS, BALANCE, BASINS, MATERIAL, ENCAPSULATION, ACCOUNTING, DATABASE, MENU, CANISTER, LOCATION	6. Author Name: V.K. Russell <i>VK Russell</i> Signature Organization/Charge Code 2A410 / E13966	
7. Abstract The K Basins Materials Accounting (MAC) and Materials Balance (MBA) programs had the Paradox Conversion to 4.0 ATP run to check out the systems. This report describes the results of the test and provides the signouff sheets associated with the testing.		
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9. Impact Level <i>4</i> NA		

APPROVED FOR
 PUBLIC RELEASE
 CWO
 10-20-94

MASTER

for

D S I

From: VK Russell
Phone: 376-3045 B5-22
Date: April 11, 1994
Subject: MAC Version 3.2, MBA Version 1.3 Acceptance Test Summary Report
(Conversion of MAC and Mass Balance Programs to Paradox 4.0)

To: LL Blehm X3-67

cc: PJ Edwards A4-79
KR Morris X3-67
VL Hoefer X3-68
FK Mangan B5-22
JE Mullaney B5-22
MAC & MBA Computer Software Records Books
MAC Project File: PN-119-0393

References:

- (1) Russell, VK, "Conversion to Paradox 4.02, Acceptance Test Procedures for Software Versions MAC: 3.2 and MBA: 1.3, WHC/IRM, March 29, 1994.
- (2) Mullaney, J.E., "MAC Database Mini Acceptance Test Procedures for Software Version 3.0", Westinghouse Hanford Company, Aug. 14, 1992.
- (3) Mullaney, J.E., "Mass Balance System Acceptance Test Procedures, Software Version 1.1", WHC-SD-NR-ATP-018, Westinghouse Hanford Company, Oct. 16, 1992.

SUMMARY

The Material Accounting System Software Version 3.2 and Mass Balance System Version 1.3 acceptance tests in the K Basins integrated Paradox applications environment were successfully completed on 3/29/94.

The tests were performed on the AST Premium 2 computer located in the M0102 Building room 1 using HLAN PARADOX version 4.02. Tests were conducted on a subdirectory of the production space, to protect the production data.

The following personnel were involved:

Cognizant Test Engineer:	LL Blehm - Manager of Organization responsible for MAC
Test Preparer:	VK Russell - BCSR Software Engineer responsible for the Software
Test Performer:	KR Morris - Special Nuclear Specialist responsible for the System
Test Witness:	NL Zeuge - Special Nuclear Specialist backup to KR Morris

VARIANCE

All tests were performed in the sequence specified in Reference (1).

Software or procedure errors that were located during the tests, were corrected, and appropriate parts of the test were rerun as described later in this report.

SECURITY

The MAC and MBA systems depend on the systems running on the proper user setup. The system matches the username of the system with a master list and assigns an access level to that user. This ensures that only authorized users can change the critical data. This aspect of the system was reviewed but not changed as a part of these procedures.

ASSESSMENT

The tests were primarily concentrated on verifying that the MAC and MBA software would run properly in the Paradox 4.0 environment. Changes in the MAC and MBA programs were basically limited to superficial (as opposed to functional) items needed to accommodate the enhanced method of execution.

The limited functional tests of MAC and MBA for the current tests were taken from references 2 and 3.

SUMMARY OF RESULTS

The ATP was run on 3/29/94. Three exceptions were noted at that time and were all corrected at the time, and the tests were rerun. During the process of running the test, the Test Performer reacquainted herself with the software because it had not been run seriously in over a year. As a consequence, much interaction took place between the customer and the IRM staff present at the test. As a result of this consequence some change requests were recommended for both the MAC and MBA software and it was decided that installation of the current code would be made in the meantime.

The following exceptions was noted in the Test Exception Log.

<u>Number</u>	<u>Case</u>	<u>Problem</u>	<u>Solution</u>
1	4.5.1	Crashed at "Stuck material canister number is".	Removed extra "Enter" statement in all of the "Modify Restructure" commands in MAC.
2	4.4.6	When a keydate with a blank sub-key was selected, the program would not find any records in the "Packaging" report.	Modified the "Query" looking for the records to use a null string ("") instead of a blank in the "Sub Key" field.
3	4.4.6	Operator pressed the "Esc" key and system went out of "MAC" to the previous script and could not find a table.	Fixed code to have MAC call the "APPS" script from scratch when the "Esc" key was pressed in the MAC main menu.

All three exceptions involved fixing the code on the spot and immediately retesting. All test steps were satisfactorily completed, documented, and signed off.

EVALUATION

The Acceptance Test results indicate that the MAC and MBA systems are ready for operation in Paradox 4.0. The final codes were moved to the production space on the customer server.

SUMMARY OF ACTIVITIES

Acceptance testing of the MAC update to Software Version 3.2 and MBA update to Version 1.3 have been completed. Results will be filed in the Computer Software Records book in the Financial Center, Room 402.

The following items will be mailed to you for filing in your copy of the MBA Computer Software Records Book:

- (1) A diskette containing the source code for MBA version 1.3 and MAC 3.2 as installed.
- (2) A full listing of MBA Version 1.3 software, with table of contents and MAC Version 3.2 software, with table of contents.

Files formerly residing on "old" production space (G:\) have been backed up, moved selectively to the "integrated" production space(s), then removed from the "old" production space.

TEST EXECUTION / EXCEPTION LOGS

The test execution and exception logs are included to complete the acceptance test records for MAC version 3.2 and MBA version 1.3 software.

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K BASIN APPLICATIONS TEST EXECUTION LOG

TEST: 4.4

TITLE: HEP

DATE: 3/29/04

CASE	A/R	EXCEPTION NUMBER OR COMMENT	SIGNATURE/DATE
<u>.4 Daily</u>	<u>A</u>		<u>[Signature]</u> 3/29/04 Test Performer
<u>5 MATERIAL</u>	<u>A</u>		<u>[Signature]</u> Test Witness
			<u>[Signature]</u> 3/29/04 Test Performer
			<u>[Signature]</u> Test Witness
			_____ Test Performer
			_____ Test Witness
			_____ Test Performer
			_____ Test Witness
			_____ Test Performer
			_____ Test Witness

K BASIN APPLICATIONS TEST EXECUTION LOG

TEST: 4.4.1

TITLE: UPDATE/ENCASULATION
(PARTIALY SUNK)

DATE: 3/29/94

A = accept, R = reject

CASE	A/R	EXCEPTION NUMBER OR COMMENT	SIGNATURE/DATE
<u>PARTIAL</u>	<u>R</u>	<u>would not run #1</u>	<u>[Signature]</u> Test Performer <u>[Signature]</u> Test Witness
<u>All</u>	<u>A</u>		<u>[Signature]</u> Test Performer <u>[Signature]</u> Test Witness
<u>Loose</u>	<u>A</u>		<u>[Signature]</u> Test Performer <u>[Signature]</u> Test Witness
			_____ Test Performer _____ Test Witness
<u>PARTIAL</u>	<u>A</u>	<u>Collection was completed to have program run</u>	<u>[Signature]</u> Test Performer <u>[Signature]</u> Test Witness
			_____ Test Performer _____ Test Witness

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K BASIN APPLICATIONS TEST EXECUTION LOG

TEST: 4.4.2

TITLE: Report - TRINT History
- EMPTY

DATE: 3/29/94

CASE	A/R	EXCEPTION NUMBER OR COMMENT	SIGNATURE/DATE
<u>History</u>	<u>A</u>		<u>[Signature]</u> Test Performer <u>[Signature]</u> Test Witness
<u>EMPTY</u>	<u>A</u>	<u>Report did not appear as</u> <u>REMEMBERED - will be fixed</u> <u>on next change request</u>	<u>[Signature]</u> Test Performer <u>[Signature]</u> Test Witness
_____	_____	_____	_____ Test Performer _____ Test Witness
_____	_____	_____	_____ Test Performer _____ Test Witness
_____	_____	_____	_____ Test Performer _____ Test Witness
_____	_____	_____	_____ Test Performer _____ Test Witness
_____	_____	_____	_____ Test Performer _____ Test Witness

WHC-SD-SNE-ATR-002, Rev 0
K BASIN APPLICATIONS TEST EXECUTION LOG

TEST: 4.4.3 TITLE: Report Print Daily DATE: 3/29/04

CASE	A/R	EXCEPTION NUMBER OR COMMENT	SIGNATURE/DATE
<u>daily</u>	<u>A</u>		<u>[Signature]</u> <u>3/29/04</u> Test Performer <u>[Signature]</u> Test Witness
			Test Performer
			Test Witness
			Test Performer
			Test Witness
			Test Performer
			Test Witness
			Test Performer
			Test Witness
			Test Performer
			Test Witness

WHC-SD-SNE-ATR-002, Rev 0

K BASIN APPLICATIONS TEST EXECUTION LOG

TEST: 4.5

TITLE: MASS BALANCE PROGRAM TEST

DATE: 3/29/94

CASE	A/R	EXCEPTION NUMBER OR COMMENT	SIGNATURE/DATE
<u>.1</u>	<u>A</u>	<u>Add explanatory titling for in, weigh : out screens -</u>	<u>[Signature]</u> 3/29/94 Test Performer <u>[Signature]</u> 3/29/94 Test Witness
<u>.2</u>	<u>A</u>	<u>SAME COMMENT AS .1</u>	<u>[Signature]</u> 3/29/94 Test Performer <u>[Signature]</u> 3/29/94 Test Witness
<u>.3</u>	<u>A</u>	<u>SAME COMMENT AS .1</u>	<u>[Signature]</u> 3/29/94 Test Performer <u>[Signature]</u> 3/29/94 Test Witness
<u>.4</u>	<u>A</u>	<u>_____</u>	<u>[Signature]</u> 3/29/94 Test Performer <u>[Signature]</u> 3/29/94 Test Witness
<u>.5</u>	<u>A</u>	<u>_____</u>	<u>[Signature]</u> 3/29/94 Test Performer <u>[Signature]</u> 3/29/94 Test Witness
<u>.6</u>	<u>A</u>	<u>_____</u>	<u>[Signature]</u> 3/29/94 Test Performer <u>[Signature]</u> 3/29/94 Test Witness

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K BASIN APPLICATIONS TEST EXECUTION LOG

TEST: 4.5 TITLE: MASS BALANCE PROGRAM TEST DATE: 3/29/94

CASE	A = accept, R = reject A/R EXCEPTION NUMBER OR COMMENT	SIGNATURE/DATE
<u>.7</u>	<u>A</u>	<u>[Signature]</u> 3/29/94 Test Performer
		<u>[Signature]</u> 3/29/94 Test Witness
<u>.8</u>	<u>A</u>	<u>[Signature]</u> 3/29/94 Test Performer
		<u>[Signature]</u> 3/29/94 Test Witness
		_____ Test Performer
		_____ Test Witness
		_____ Test Performer
		_____ Test Witness
		_____ Test Performer
		_____ Test Witness
		_____ Test Performer
		_____ Test Witness

WHC-SD-SNE-ATR-002, Rev 0

K BASIN APPLICATIONS TEST EXCEPTION LOG

Exception No. 1 Case No. 4.5.1 3/28/94
date

Originator Nancy Zewe 1 K Basins 3/28/94
name organization date

Description:

Crashed at "Stuck material canister number is"
Error was Extra Enter statement put in code.

Action Taken:

In all cases when restruc~~ture~~ were called - the statement
Enter after {Answer} was removed. This occurred
in about 4 places in programs. Will make sure each
of these cases are exercised prior to installation.

Impact On Previous Or Following Tests

Approved by:

Test Performer R. Moller 1 B. B. B. 3/29/94
name organization date

Test Witness Nancy Zewe 1 K Basins 3/28/94
name organization date

K BASIN APPLICATIONS TEST EXCEPTION LOG

Exception No. 2

Case No. 4.4.6

Originator Karen Morris, KBASINS 3/29/94
name organization date

Description:

When a key date with a blank sub-key was selected would not find any records in packaging.

Action Taken:

Found the query did not work. Change cases of the sub-key to null string if sub-key is a space.

Impact On Previous Or Following Tests

Affects both Shipping & Packaging Reports

Approved by:

Test Performer K. Morris, KBASINS 3/29/94
name organization date

Test Witness [Signature], KBASINS 3/29/94
name organization date

K BASIN APPLICATIONS TEST EXCEPTION LOG ^{WHC-SD-SNE-ATR-002, Rev 0}

Exception No. 3

Case No. 4.4-6

Originator Karen Morris / KBASIN 3/29/94
name organization date

Description:

Operator pressed the "Esc" key from main menu of Mac# (pressed it one too many times when escaping out of sub-menus) and a table could not be found.

Action Taken:

Pressing the "Esc" key caused system to return from MAC. If called by "APPS", the above condition occurs. Change to call "Pdox apps" if "Esc" is pressed.

Impact On Previous Or Following Tests

none.

Approved by:

Test Performer

[Signature] / KBASIN 3/29/94
name organization date

Test Witness

[Signature] / KBASIN 3/29/94
name organization date

K BASIN APPLICATIONS TEST EXCEPTION LOG

Exception No. 4

Case No. 4.5.1/4.5.2/4.5.3

Originator J. Mollis / KBASINS 3/29/94
name organization date

Description:

PLACE AN EXPLANATORY TITLE FOR THE
IN, WEIGHT, AND OUT SCREENS

Action Taken:

Impact On Previous Or Following Tests

Approved by:

Test Performer _____ / _____
name organization date

Test Witness _____ / _____
name organization date