

DISTRIBUTION SHEET

To K Basins	From K Basins	Page 1 of 1
		Date Sept 15, 1994
Project Title/Work Order MAC Version 3.3, MBA Version 1.3 Acceptance Test Summary Report / E13966		EDT No. 604035
		ECN No.

Name	MSIN	Text With All Attach.	Text Only	Attach./ Appendix Only	EDT/ECN Only
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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
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		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
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16. KEY		
Impact Level (F)	Reason for Transmittal (G)	Disposition (H) & (I)
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1		Cog. Eng.	L.L. Blehm	9/26/94		J.E. Mullaney	J.E. Mullaney	10/20/94	BS-22	1	
1		Cog. Mgr.	C.A. Thompson	Signed Below		F.K. Mangan	J.E. Mullaney	10/20/94	BS-22	1	
1		QA	J.A. Warren	10/20/94		V.K. Russell	V.K. Russell	10/20/94		1	
1		Safety	J.D. Mathews			K.R. Morris	K.R. Morris	9/26/94	1312	1	1

18. V.K. Russell Signature of EDT Originator Date 10/20/94	19. _____ Authorized Representative for Receiving Organization Date	20. C.A. Thompson Cognizant/Project Engineer's Manager Date 10/20/94	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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Document Title: MAC Version 3.3, MBA Version 1.3, Acceptance Test Summary Report

Release Date: October 26, 1994

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

APPROVED FOR PUBLIC RELEASE

WHC Information Release Administration Specialist:


Michele Boston

October 26, 1994

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SUPPORTING DOCUMENT

1. Total Pages 06

2. Title

MAC Version 3.3, MBA Version 1.3 Acceptance Test Summary Report

3. Number

WHC-SD-SNF-ATR-001

4. Rev No.

0

5. Key Words

MASS, BALANCE, BASINS, MATERIAL, ENCAPSULATION, ACCOUNTING, DATABASE, MENU, CANISTER, LOCATION

6. Author

Name: V.K. Russell

VK Russell
Signature

Organization/Charge Code 2A410 / E13966

7. Abstract

The K Basins Materials Accounting (MAC) and Materials Balance (MBA) programs had the Paradox Code Cleanup 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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10. RELEASE STAMP

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9. Impact Level 4

APPROVED FOR PUBLIC RELEASE 10/24/94 MB by JP

JP

SUMMARY

The Material Accounting System Software Version 3.3 and Mass Balance System Version 1.3 acceptance tests in the K Basins integrated Paradox applications environment were successfully completed on 4/7/94.

The tests were performed on the AST Premium 2 computer located in the MO102 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).

No software or procedure errors occurred during the tests.

SECURITY

One aspect of security in the MAC program is to not allow a user into an area of the program where critical data can be changed without entering in a password. The procedure for changing the password was not changed, however the areas in the program where the requirement of using the password was changed. This aspect of the system was tested as part of this acceptance test procedure and in each case passed.

ASSESSMENT

The tests were primarily concentrated on verifying that the changes made to the MAC and MBA software to cleanup the code would run properly in the Paradox 4.0 environment. Changes in the MAC programs are in accordance to the MAC change request #19, Cleanup the MAC Code and MBA change request #5, which involved displaying the Mass Balance on all screens.

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 successfully on 3/29/94. No exceptions were noted. The IRM analyst was available for telephone consultation during the test, but was not present at the test.

EVALUATION

The Acceptance Test results indicate that the MAC and MBA systems are ready for operation using the cleaned up code. The final codes were moved to the production space on the customer server on April 15th.

SUMMARY OF ACTIVITIES

Acceptance testing of the MAC update to Software Version 3.3 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 MAC & MBA Computer Software Records Book:

- (1) A diskette containing the source code for MBA version 1.3 and MAC 3.3 as installed.
- (2) A full listing of MBA Version 1.3 software, with table of contents and MAC Version 3.3 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 3.3 and MBA version 1.3 software.

6.0 DATA SHEETS

6.1 MAC Test Execution Log

MAC TEST EXECUTION LOG

TEST: 4.4 TITLE: MAC PROGRAM TESTS DATE: 4-7-94

CASE	A/R	EXCEPTION NUMBER OR COMMENT	SIGNATURE/DATE
<u>4.4.1</u>	<u>A</u>	_____	<u>K.Mollis</u> Test Performer <u>N.Y. Zenge</u> Test Witness
<u>4.4.2</u>	<u>A</u>	_____	<u>K.Mollis</u> Test Performer <u>N.Y. Zenge</u> Test Witness
<u>4.4.3</u>	<u>A</u>	_____	<u>K.Mollis</u> Test Performer <u>N.Y. Zenge</u> Test Witness
<u>4.4.4</u>	<u>A</u>	_____	<u>K.Mollis</u> Test Performer <u>N.Y. Zenge</u> Test Witness
<u>4.4.5</u>	<u>A</u>	_____	<u>K.Mollis</u> Test Performer <u>N.Y. Zenge</u> Test Witness
<u>4.4.6</u>	<u>A</u>	_____	<u>K.Mollis</u> Test Performer <u>N.Y. Zenge</u> Test Witness

6.0 DATA SHEETS

6.1 MAC Test Execution Log

MAC TEST EXECUTION LOG

TEST: 4.5 TITLE: MASS BALANCE PROGRAM TEST DATE: 4-7-94

CASE	A/R	EXCEPTION NUMBER OR COMMENT	SIGNATURE/DATE
<u>4.5.1</u>	<u>A</u>	_____	<u>[Signature]</u> Test Performer <u>[Signature]</u> Test Witness
<u>4.5.2</u>	<u>A</u>	_____	<u>[Signature]</u> Test Performer <u>[Signature]</u> Test Witness
<u>4.5.3</u>	<u>A</u>	_____	<u>[Signature]</u> Test Performer <u>[Signature]</u> Test Witness
<u>4.5.4</u>	<u>A</u>	_____	<u>[Signature]</u> Test Performer <u>[Signature]</u> Test Witness
_____	_____	_____	_____ Test Performer _____ Test Witness
_____	_____	_____	_____ Test Performer _____ Test Witness

D S I

From: VK Russell
Phone: 376-3045 B5-22
Date: April 15, 1994
Subject: MAC Version 3.3, MBA Version 1.3 Acceptance Test Summary Report
(Cleanup of MAC and Mass Balance Code)

To: LL Blehm X3-67

cc: PJ Edwards A4-79
KR Morris X3-67
VL Hofer 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, V.K., "Cleanup MAC and MBA Code, Acceptance Test Procedures for Software Versions MAC: 3.3 and MBA: 1.3, WHC/IRM, March 29, 1994.
- (2) Mullaney, J.E. & Russell, V.K., "MAC Database Mini Acceptance Test Procedures for Software Version 3.3", Westinghouse Hanford Company, April 7, 1994.
- (3) Mullaney, J.E. & Russell, V.K., "Mass Balance System Acceptance Test Procedures, Software Version 1.3", WHC-SD-NR-ATP-018, Westinghouse Hanford Company, April, 1994. (Draft Copy)