

DISTRIBUTION SHEET

To K Basins	From K Basins	Page 1 of 1
		Date Sept 15, 1994
Project Title/Work Order MAC Version 3.1, MBA Version 1.2 Acceptance Test Summary Report / E13966		EDT No. 604032
		ECN No.

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F.K. Mangan	B5-22	X			
J.D. Mathews	X3-61				X
K.R. Morris	X3-67	X			
J.E. Mullaney	B5-22	X			
V.K. Russell	B5-22	X			
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 OCT 17 1994

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ENGINEERING DATA TRANSMITTAL

Page 1 of 1
 1. EDT 604032

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 Application Integration ATP.		9. Equip./Component No.: N/A
11. Receiver Remarks: None		10. System/Bldg./Facility: N/A
		12. Major Assm. Dwg. No.: N/A
		13. Permit/Permit Application No.: N/A
		14. Required Response Date: N/A

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1	WHC-SD-SNF-ATR-003		0	MAC Version 3.1, MBA Version 1.2 Acceptance Test Summary Report	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	4. Review	1. Approved		4. Reviewed no/comment
		2. Release	5. Post-Review	2. Approved w/comment		5. Reviewed w/comment
		3. Information	6. Dist. (Receipt Acknow. Required)	3. Disapproved 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)
1		Cog. Eng.	L.L. Blehm	9/19/94		J.E. Mullaney	[Signature]	9/27/94		1	
1		Cog. Mgr.	C.A. Thompson	9/23/94		F.K. Mangan	[Signature]	9/27/94		1	
1		QA	J.A. Warren	9/26/94		V.K. Russell	[Signature]	9/27/94		1	1
1		Safety	J.D. Mathews	9/27/94		K.R. Morris	[Signature]	9/27/94	13-67	1	1

18. V.K. Russell Signature of EDT Originator 9/27/94 Date	19. [Signature] Authorized Representative for Receiving Organization Date	20. [Signature] Cognizant/Project Engineer's Manager Date	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-003, Rev. 0

Document Title: MAC Version 3.1, MBA Version 1.2 Acceptance Test Summary Report

Release Date: 10/10/94

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

APPROVED FOR PUBLIC RELEASE

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WHC Information Release Administration Specialist:

Christine Willingham

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10/10/94

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SUPPORTING DOCUMENT		1. Total Pages 09
2. Title MAC Version 3.1, MBA Version 1.2 Acceptance Test Summary Report	3. Number WHC-SD-SNF-ATR-003	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> 9/27/94 Signature Organization/Charge Code 2A410 / E13966	
7. Abstract The K Basins Materials Accounting (MAC) and Materials Balance (MBA) programs had the Paradox Application Integration 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>X NA</i>		

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10-10-94

D S I

From: JE Mullaney
Phone: 6-3022 B5-25
Date: April 27, 1993
Subject: MAC Version 3.1, MBA Version 1.2 Acceptance Test Summary Report
(Integration of MAC and Mass Balance Programs into K Basins
Applications Programs Menu)

To: LL Blehm X3-68
cc: PJ Edwards A4-30
KR Morris X3-68
JD Mathews X3-68
FK Mangan B5-25
VK Russell B5-25
MAC & MBA Computer Software Records Books
MAC Project File: PN-119-0393

References:

- (1) Mullaney, JE, "Paradox Applications Integration, Acceptance Test Procedures for Software Versions MAC: 3.1 and MBA: 1.2, WHC/IRM, April 12, 1992.
- (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 3.1 and Mass Balance System Version 1.2 acceptance tests in the K Basins integrated Paradox applications environment were successfully completed on 4/23/93.

The tests were performed on the AST Premium 2 computer located in the 1720-K Building room 4 using HLAN PARADOX version 3.5. 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
Test Preparer:	JE Mullaney
IRM Alternate:	VK Russell
Test Performer:	KR Morris

Test Witness:

NL Zeuge

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.

ASSESSMENT

The tests were primarily concentrated on the integrated K Basins Paradox applications menu. 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 initially run on 4/19/93. One exception was noted at that time and some difficulty was experienced in getting Paradox to even function after the exception was noted.

A software change was made at the 100 K site. Since Paradox would not function long enough to test the change, it was agreed that further tests would be done remotely by JE Mullaney and the exception would be tested with appropriate performer / witnesses. The exception form would then be forwarded for this report.

Investigation revealed an apparent memory allocation problem, which was corrected by simply moving some of the code in the driver module of MBA to a new closed procedure.

The following exceptions was noted in the Test Exception Log.

<u>Number</u>	<u>Case</u>	<u>Problem</u>	<u>Solution</u>
1	4.5.4	Cleanup module failed when "0" cycles was input	Revised procedure "Cleanhist" return if "0" is input

SUMMARY OF RESULTS, continued

Exception 1 was corrected remotely, then re-tested on site 4/23/93. 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 the integrated mode. 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 3.1 and MBA update to Version 1.2 have been completed. Results will be filed in the Computer Software Records book in building 703, room 127.

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 1.2, as installed.
- (2) A full listing of MBA Version 1.2 software, with table of contents.

Mailing of similar records for MAC Version 3.1 will be deferred until the MAC Software Records book is reorganized into the same format as the current book containing the MBA records.

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.

Some Paradox Applications users have been set up with a common entry method either through DesqView or via the HLAN menu. We plan to augment these setup operations as needed on subsequent IRM trips to the K Basins area.

TEST EXECUTION / EXCEPTION LOGS

The test execution and exception logs are included to complete the acceptance test records for MAC version 3.1 and MBA version 1.2 software.

TEST EXECUTION LOG

TEST: 4.3 TITLE: STARTUP DATE: 4/19/93

A = accept, R = reject

CASE	A/R	EXCEPTION NUMBER OR COMMENT	SIGNATURE/DATE
<u>4.3</u>	<u>A</u>	<u>START UP</u>	<u>[Signature]</u> 4/19/93 Test Performer
			<u>[Signature]</u> 4/19/93 Test Witness
			Test Performer
			Test Witness
			Test Performer
			Test Witness
			Test Performer
			Test Witness
			Test Performer
			Test Witness
			Test Performer
			Test Witness

TEST EXECUTION LOG

TEST: 45 TITLE: MBA PROGRAMS DATE: 4-19-93

A = accept, R = reject

CASE	A/R	EXCEPTION NUMBER OR COMMENT	SIGNATURE/DATE
<u>.1</u>	<u>A</u>	<u>MASS BAL / IN</u>	<u>Remolles 4/19/93</u> Test Performer <u>W. George 4/19/93</u> Test Witness
<u>.2</u>	<u>A</u>	<u>MASS BAL / WEIGH</u>	<u>Remolles 4/19/93</u> Test Performer <u>W. George 4/19/93</u> Test Witness
<u>.3</u>	<u>A</u>	<u>EXECUTIVE / Do Reports / History</u>	<u>Remolles 4/19/93</u> Test Performer <u>W. George 4/19/93</u> Test Witness
<u>.4</u>	<u>E</u>	<u>OPTIONAL MBA TEST CLEANUP</u>	<u>Remolles 4/19/93</u> Test Performer <u>W. George 4/19/93</u> Test Witness
_____	_____	_____	_____ Test Performer _____ Test Witness
_____	_____	_____	_____ Test Performer _____ Test Witness
_____	_____	_____	_____ Test Performer _____ Test Witness

TEST EXCEPTION LOG

Exception No. 1

Case No. 4514

Originator [Signature]

Description: Request to take a "0" as number of cycles to delete.

MODIFIED MODULE "CLEANUP" TO RETURN TO MAIN MENU IF A ZERO IS ENTERED. RECHANGED MEMORY ALLOCATIONS * TO ELIMINATE AN OCCASIONAL "PARADIX UNEXPECTED CONDITION" FAILURE. [Signature]

* ADDED ADMIN() MODULE

Impact On Previous Or Following Tests

None

Approved by:

Test Performer [Signature]

Name [Signature]

Organization [Signature]

Date 4-23-93

Test Witness [Signature]

Name [Signature]

Organization [Signature]

Date 4/23/93