

4.2
JAN 17 2000

ENGINEERING DATA TRANSMITTAL

Page 1 of 1
1. EDT 627656

2. To: (Receiving Organization) Distribution		3. From: (Originating Organization) Dyncorp Electrical Utilities		4. Related EDT No.: N/A	
5. Proj./Prog./Dept./Div.: 52600		6. Design Authority/Design Agent/Cog. Engr.: M.F. Zakrajsek		7. Purchase Order No.: N/A	
8. Originator Remarks: Initial release and distribution Key Words: AM/FM, Electrical Utilities, Acceptance Test Plan, Acceptance Test Report, Test Documentation				9. Equip./Component No.: N/A	
				10. System/Bldg./Facility: N/A	
				12. Major Assm. Dwg. No.: N/A	
11. Receiver Remarks: 11A. Design Baseline Document? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				13. Permit/Permit Application No.: N/A	
				14. Required Response Date: N/A	

15. DATA TRANSMITTED					(F)	(G)	(H)	(I)
(A) Item No.	(B) Document/Drawing No.	(C) Sheet No.	(D) Rev. No.	(E) Title or Description of Data Transmitted	Approval Designator	Reason for Transmittal	Originator Disposition	Receiver Disposition
1	HNF-5321		0	ACCEPTANCE TEST PLAN	N/A	2	1	
2	HNF-5322		0	ACCEPTANCE TEST REPORT	N/A	2	1	

16. KEY			
Approval Designator (F)	Reason for Transmittal (G)	Disposition (H) & (I)	
E, S, Q, D OR N/A (See WHC-CM-3-5, Sec. 12.7)	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 Approval Designator for required signatures)											
(G) Reason	(H) Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN	(G) Reason	(H) Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN
		Design Authority J. M. Hache	<i>J. M. Hache</i>	1/14/00	S2-12						
		Design Agent M. F. Zakrajsek	<i>M. F. Zakrajsek</i>	1-14-00	S2-12						
		Cog. Eng. M. F. Zakrajsek	<i>M. F. Zakrajsek</i>	1-14-00	S2-12						
		Cog. Mgr. R. L. Fritz	<i>R. L. Fritz</i>	1-14-00	S2-12						
		QA									
		Safety									
		Env.									

18. Signature of EDT Originator <i>J. M. Hache</i> 1/14/00		19. Authorized Representative for Receiving Organization <i>M. F. Zakrajsek</i> 1-14-00		20. Design Authority/Cognizant Manager <i>J. M. Hache</i> 1/14/00		21. DOE APPROVAL (if required) Ctrl No. _____ <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/comments <input type="checkbox"/> Disapproved w/comments	
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HNF-5322, Rev. 0

Automated Mapping/Facilities Management (AM/FM) Version 8.4 Acceptance Test Report

Dyncorp Tri-Cities Services, Inc.

Richland, WA 99352

U.S. Department of Energy Contract DE-AC06-96RL13200

EDT/ECN: 627656

UC: N/A

Org Code: 52600

Charge Code: 102711/EA0

B&R Code:

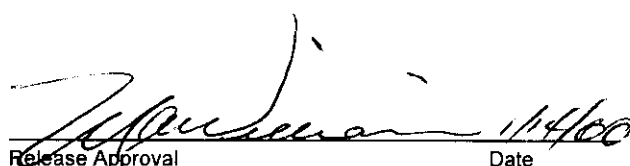
Total Pages: 12
07-1-17-00.

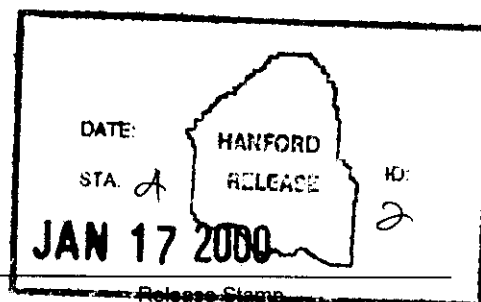
Key Words: Automated Mapping/Facilities Management, AM/FM, Electrical Utilities, Acceptance Test Report

Abstract: This document provides the results of testing activities performed in order to verify that version 8.4 of the AM/FM software meets the user's requirements.

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Release Approval Date



Approved For Public Release

**DYNCORP TRI-CITIES SERVICES, INC.
ELECTRICAL UTILITIES**

**AUTOMATED MAPPING/FACILITIES MANAGEMENT (AM/FM)
VERSION 8.4**

ACCEPTANCE TEST REPORT

Prepared By:

Kathy Mathison
Lockheed Martin Services, Inc.

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1.0 SUMMARY

Testing of AM/FM Version 8.4 took place on December 17 and 29, 1999 in Room 114 of 2101M.

The user who originally submitted each change request was designated to test their change requests. Those users are identified as follows:

SCR 97-001	Bert Winschell
SCR 97-003	Gene Lamm
SCR 97-004	Gene Lamm
SCR 99-009	Mike Hache

One exception was identified on SCR 99-009; a copy of the exception form is included in Section 8 of this report. This item was corrected and successfully tested on December 30, 1999.

Version 8.4 is now ready for production.

Testing was performed in accordance with HNF-5321, Acceptance Test Plan for AM/FM Version 8.4.

2.0 VARIANCES

The test was performed as written; no variances from the test plan were required.

3.0 COMPREHENSIVE ASSESSMENT

Testing was sufficient to verify that valid values and processes were performed as expected, and invalid values and processes were not allowed. Error messages provided relevant information to the user.

4.0 SUMMARY OF RESULTS

One exception was identified. This related to deleted records being displayed in related lists of ECN and ESR records. The procedures that displayed that data was changes to ignore deleted records when creating the list of related records to display.

This item was resolved and re-tested successfully. No other exceptions were identified.

5.0 EVALUATION

Following is an evaluation of each test and estimate of failure risk.

SCR 97-001 Add a spliced field to the vault database.

Testing included verification that the field appears on the add, edit, view individual and view master screens, and prints on the individual report. A new report including only records containing "Y" in the spliced field was also tested. It was also verified that only a "Y" or "N" value could be entered in the field. The risk of failure is minimal for this item.

SCR 97-003 Link changes to coordinates data between pole, transformer and switch devices. The risk of failure is minimal for this item.

Testing included verifying that coordinate changes made in the pole database appeared in the associated transformer and switch device records. The risk of failure is minimal for this item.

SCR 97-004 Add year of manufacture field to the transformer nameplate module.

Testing included verifying that the field appears on the add, edit, view individual and view master screens and prints on the individual report. Also verified that only numbers may be entered in the field. The risk of failure is minimal for this item.

SCR 99-009 Revise ESR/ECN connecting database to mirror the current ESR/ECN processes.

Testing included verifying that related ECN/Work Package records may be added, edited, deleted and viewed in the ESR module. Verified that related records were printed on the individual ESR report.

Testing also included verifying that related ESR/Work Package records may be added, edited, deleted and viewed in the ECN module. Verified that related records were printed on the individual ECN report. The risk of failure is minimal for this item.

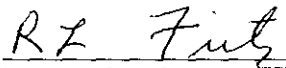

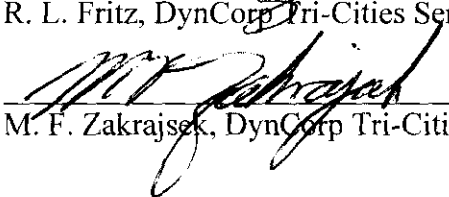
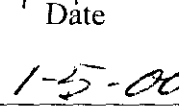
6.0 SUMMARY OF ACTIVITIES

The user who originally submitted each change request was designated to test their change requests. The following list identifies that user, as well as the amount of time it took to perform each test.

SCR 97-001	Bert Winschell	15 minutes
SCR 97-003	Gene Lamm	15 minutes
SCR 97-004	Gene Lamm	20 minutes
SCR 99-009	Mike Hache	40 minutes

7.0 APPROVALS

Completion of the signatures on this document provides a record of verification that the relevant test cases have been completed. Any exceptions that may have been identified during testing of these procedures have been corrected and re-tested successfully.

 _____ R. L. Fritz, DynCorp Tri-Cities Services, Inc.	 _____ Date
 _____ M. F. Zakrajsek, DynCorp Tri-Cities Services, Inc.	 _____ Date

8.0 TEST EXCEPTION REPORTS

