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ENGINEERING DATA TRANSMITTAL

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				MANAGEMENT SYSTEM				

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2	1	Design Authority Dawn E. Adams	(See Bk. 20 below.)		G1-21	3		D. Wilson			G1-21
		Design Agent									
		Cog. Eng.									
		Cog. Mgr.									
		QA									
		Safety				3		Central Files			B1-07
		Env.									

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<i>Daniel Wilson</i> Signature of EDT Originator		<i>9/16/98</i> Date		<i>N/A</i> Authorized Representative for Receiving Organization		<i>Dawn Adams</i> Design Authority/Cognizant Manager	
						Ctrl No. _____ ☐ Approved ☐ Approved w/comments ☐ Disapproved w/comments	

Infrastructure Certification Plan
FOR
HANDI 2000
BUSINESS MANAGEMENT SYSTEM

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Approved by:

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9/15/98
Date

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9-15-98
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Date

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9/15/98
Date

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1 INTRODUCTION

1.1 OVERVIEW

The Hanford Data Integration 2000 (HANDI 2000) Project will result in an integrated and comprehensive set of functional applications containing core information necessary to support the Project Hanford Management Contract. It is based on the Commercial-Off-The-Shelf (COTS) product solution with commercially proven business processes. The system will reduce the number of legacy systems maintained today and absorb key systems identified that have Year 2000 issues. This includes systems that support finance, supply, chemical management/Material Safety Data Sheet (MSDS), human resources and payroll activities on the Hanford Site. The PassPort (PP) software is an integrated application for Accounts Payable, Contract Management, Inventory Management, Purchasing and MSDS. The PeopleSoft (PS) software is an integrated application for General Ledger, Project Costing, Human Resources, Payroll, Benefits, and Training. The implementation of this set of products, as the first deliverable of the HANDI 2000 Project, is referred to as Business Management System (BMS) and MSDS.

1.2 PURPOSE

This document will provide information on the certification process of the infrastructure for the HANDI 2000 BMS and Chemical Management system. The HANDI 2000 System equipment will be tested in the Integration Testing and will operate before implementation. This document only verifies the installation and operation of the HANDI 2000 hardware.

1.3 SCOPE

This document provides the infrastructure certification for the HANDI 2000 system equipment to be installed, operated and tested before October 1, 1998. Test scripts and /or checklists will be prepared, controlled, and signed off when testing is complete.

1.4 ACRONYM DEFINITIONS

Acronym	Definition
BMS	Business Management System
COTS	Commercial Off The Shelf
MSDS	Material Safety Data Sheet
PINGING	Basic network communication that verifies the existence of a server

2 PROCEDURES

2.1 SERVER ENVIRONMENT CERTIFICATION

Verify the listed servers are installed, powered up on an adequate power supply, configured with the appropriate software and located with adequate cooling.

SYSTEM	ADDRESS	LOCATION	Date	Signature
Production UNIX Server	H2KP1	Data Center (339A)		
Non-Production UNIX Server	H2KD1	Data Center (339A)		
CA Unicenter Production Server	APEMC01	Data Center (339A)		
HRIS Prod DB Server	APHRPRDB	2261/102		
HRIS Prod Batch / Process Scheduler	APHRPRD3	2261/102		
HRIS Prod Payroll Processing Server	APHRPRD5	2261/102		
HRIS Prod Reporting DB Server	HRIS4	2261/102		
HRIS Backup Reporting DB Server	HRIS3	2261/102		
HRIS Backup DB Server	APHRTEDB	2261/102		
HRIS Test/Dev Batch / Process Scheduler	HRIS7	2261/102		
HRIS Test/Dev IIS Web Server	HRIS8	2261/102		
HRIS Test/Dev Reporting DB Server	HRIS2	2261/102		
HRIS New Executables & DLL Test Server	HRIS5	2261/102		
PassPort and PeopleSoft Application Server	APH2K01	2355		

2.2 COMPONENT CONNECTIVITY CERTIFICATION

Certify each system component is connected to the network and is able to communicate by "pinging" each address below and verify a proper completion with a valid round trip time.

SYSTEM	ADDRESS	LOCATION	Date	Signature
Production UNIX Server	H2KP1	Data Center (339A)		
Non-Production UNIX Server	H2KD1	Data Center (339A)		
CA Unicenter Production Server	APEMC01	Data Center (339A)		
HRIS Prod DB Server	APHRPRDB	2261/102		
HRIS Prod Batch / Process Scheduler	APHRPRD3	2261/102		
HRIS Prod Payroll Processing Server	APHRPRD5	2261/102		
HRIS Prod Reporting DB Server	HRIS4	2261/102		
HRIS Backup Reporting DB Server	HRIS3	2261/102		
HRIS Backup DB Server	APHRTEDB	2261/102		
HRIS Test/Dev Batch / Process Scheduler	HRIS7	2261/102		
HRIS Test/Dev IIS Web Server	HRIS8	2261/102		
HRIS Test/Dev Reporting DB Server	HRIS2	2261/102		
HRIS New Executables & DLL Test Server	HRIS5	2261/102		
PassPort and PeopleSoft Application Server	APH2K01	2355		

2.3 BACKUP AND RECOVERY CERTIFICATION

Certification will consist of verifying the listed server is included in the automated backups and that a file has been restored to that server.

SYSTEM	ADDRESS	LOCATION	Cognizant Engineer	Date	Signature
Production UNIX Server	H2KP1	Data Center (339A)			
Non-Production UNIX Server	H2KD1	Data Center (339A)			
CA Unicenter Production Server	APEMC01	Data Center (339A)			
HRIS Prod DB Server	APHRPRDB	2261/102			
HRIS Prod Batch / Process Scheduler	APHRPRD3	2261/102			
HRIS Prod Payroll Processing Server	APHRPRD5	2261/102			
HRIS Prod Reporting DB Server	HRIS4	2261/102			
HRIS Backup Reporting DB Server	HRIS3	2261/102			
HRIS Backup DB Server	APHRTEDB	2261/102			
HRIS Test/Dev Batch / Process Scheduler	HRIS7	2261/102			
HRIS Test/Dev IIS Web Server	HRIS8	2261/102			
HRIS Test/Dev Reporting DB Server	HRIS2	2261/102			
HRIS New Executables & DLL Test Server	HRIS5	2261/102			
PassPort and PeopleSoft Application Server	APH2K01	2355			

2.4 PRODUCTION MANAGEMENT CERTIFICATION

Certification will consist of the following tests being performed. Production management is performed using CA Unicenter. This certifies the basic functionality of this tool.

Unicenter Implementation and Testing

Initial

CA-Unicenter TNG- Server and Client GUI for Windows NT	
CA-Unicenter TNG – Server and Client GUI for HP/UX	
TNG Agents for OS and SQL Server on NT	
TNG Agents for OS and Oracle on HP/UX	
Install the Administration Client on NT Workstation	
Console Consolidation	
TNG Console Consolidation	
Workload messages and syslog messages from TNG agents to TNG server	
Filter console logs by date, machine and message class	
Message/Message Actions	
Send MS Exchange mail in response to an event message on the console	
Send MS Exchange mail with file attached in response to an event message	
Submit a job as a message action	
Use message action to suppress unwanted console message's	
Send a page in response to a console message	
Workload Management	
Run a scheduled job on the TNG Enterprise management server	
Run a scheduled job on the HP Production machine	
Run a scheduled job on the HP Development machine	
Run a scheduled job on an NT batch server	
Setup job dependencies on the above defined jobs	
Setup dataset dependencies on one of the above jobs	
Test submit time hold	
Test an automated recovery run	
Test a cyclic job	
Develop and test a complex run of jobs on multiple platforms with interdependencies, dataset dependencies, submit time, automated recovery, email and page	

Unicenter Implementation and Testing (Continued)

Develop and test a holiday calendar	
Test the calendar functions	
Test cross jobsetb job dependencies (Job in jobsetb dependent on joba in jobseta)	
Test and document cyclic job failure of 1 st job. What happens to succeeding jobs. If the 1 st job fails the 2 nd job will try to run at its' start time.	
Test and document what happens to backlog eligible job left in queue when the same job comes in again at the new day. The job will continue to show the current status of what it was in when the new day autoscan runs. The second job will show the status of what applies to the job for ex, if it has a wait time it will show WSTART, if there is no start time on the job but it is waiting on a predecessor it will show WPRED.	
Test Holiday processing (Roll forward, back, run)	
Test Calendar development with Holiday inclusion	
Dataset triggering. May have to perform message action based on DSCLOSEU	
Test demand of job based on file close	
Testing autoscan off on jobs and jobsets.	
Test station definition on jobs and jobsets.	
Test skip feature: When does it reset, what happens to job that has it as a predecessor. When new day auto scan runs this reset the skip to zero, that is if one day was skipped, if two days were skipped it reduces it by one day. If the job that is skipped is a predecessor on another job it is satisfied because the skipped job is no longer part of the current day workload.	
Test execution of perl scripts (NT)	
Test execution of Perl Scripts (UNIX)	
Worldview	
Develop procedure for running when IP addresses change or other changes occur	
Production Control/Recovery	
Train Production Control in use of Unicenter	
Name: Signature:	

2.5 SECURITY ADMINISTRATION CERTIFICATION

Verify the operating system security is in place and functional. Individual security provided with the application products is not in the scope of this test. The following steps, as applicable, will be performed on each server. As the test is successfully completed on each server, the tester will sign and date the table next to the server name and enter comments as needed.

Security Administration Certification Items

Demonstrate log-on security features
File protection
Testing of restricted activities
Password entry process
System logging.

SYSTEM	ADDRESS	LOCATION	Date	Tester Signature
Production UNIX Server	H2KP1	Data Center (339A)		
Non-Production UNIX Server	H2KD1	Data Center (339A)		
CA Unicenter Production Server	APEMC01	Data Center (339A)		
HRIS Prod DB Server	APHRPRDB	2261/102		
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HRIS Test/Dev Reporting DB Server	HRIS2	2261/102		
HRIS New Executables & DLL Test Server	HRIS5	2261/102		
PassPort and PeopleSoft Application Server	APH2K01	2355		

2.6 PERFORMANCE MONITORING CERTIFICATION

Verify that applicable performance monitoring tools are installed on each computer. Verify that the databases are being monitored using applicable performance monitoring tools.

SYSTEM	ADDRESS	Performance Monitoring Tools	Date	Cognizant Engineer Signature
Production UNIX Server	H2KP1	Glance Plus		
Non-Production UNIX Server	H2KD1	Glance Plus		
CA Unicenter Production Server	APEMC01	NT Performance Monitor		
HRIS Prod DB Server	APHRPRDB	SQL Server NT Performance Monitor		
HRIS Prod Batch / Process Scheduler	APHRPRD3	NT Performance Monitor		
HRIS Prod Payroll Processing Server	APHRPRD5	NT Performance Monitor		
HRIS Prod Reporting DB Server	HRIS4	SQL Server NT Performance Monitor		
HRIS Backup Reporting DB Server	HRIS3	SQL Server NT Performance Monitor		
HRIS Backup DB Server	APHRTEDB	SQL Server NT Performance Monitor		
HRIS Test/Dev Batch / Process Scheduler	HRIS7	NT Performance Monitor		
HRIS Test/Dev IIS Web Server	HRIS8	NT Performance Monitor		
HRIS Test/Dev Reporting DB Server	HRIS2	SQL Server NT Performance Monitor		
HRIS New Executables & DLL Test Server	HRIS5	NT Performance Monitor		
PassPort and PeopleSoft Application Server	APH2K01	NT Performance Monitor		