ICL Pathway	Group Definitions for the Secure NT Build	Ref:	RS/REQ/016
	COMPANY IN CONFIDENCE	Version:	6.0
		Date:	14/01/02

Document Title: Group Definitions for the Secure NT Build

Document Type: Requirement Definition

Release: CSR+

Abstract: The ACP requires that access to Pathway systems be controlled by the use of pre defined roles to which users can be assigned. Such roles will allow users to access only those parts of the system, with associated objects, they need in order to complete the tasks associated with that particular role. This document summarises this requirement and defines the roles, with associated objects, domains and access requirements.

Document Status: APPROVED

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0.0 Document Control

0.1 Document History

This table records the document history of RS/REQ/016, which is based on an identical copy of RS/REQ/012 v5.2. V1

Version No.	Date	Reason for Issue	Associated CP/PinICL No.
0.1	11/10/99	Initial draft for PVCS review cycle.	
0.2	03/11/99	Incorporates comments received from Barry Procter and Patrick Weightman resulting from PVCS review cycle.	
1.0	04/11/99	V1.0 APPROVED BASELINE	CSR+
1.1	12/11/99	Amendments since document set to approved.	
1.2	25/11/99	Updated to clarify toolsets for KMS SYSADM and KMS DBA roles.	
1.3	07/12/99	Updated to identify toolsets for OCMS Admin & OCMS User roles.	
1.4	17/12/99	Updated to further clarify tools sets for KMS roles	
1.5	10/01/00	Updated to cater for CP2373 and CP2308	CP2373 & CP2308
1.6	23/01/00	Updated to cater for CP2330 FTMS – OCMS links in FRODB	CP2330
2.0	30/01/00	V2.0 APPROVED BASELINE	CI3_2
2.1	10/03/00	Updated to cater for CP2377 (WARWTIP), CP2373 (EPOSS Reports), CP2272 (MIS Client Build) and CP2458 (OCMS).	CP2377 & CP2373 & CP2272 & CP2458
2.2	19/04/00	Updated to cater for CP2502 (KMS Roles Printing to Network Printer).	CP2502
2.3	05/05/00	Updated to cater for CP2485 (APS User role and CS Admin roles added in, RDMC Admin role will be removed at some point in the future).	CP2485
2.4	09/05/00	Updated to address pinicl 43816, document requirement for Printer access from all the RODB User groups, CP2591.	CP2591 & PC0043816

2.5	07/06/00	Updated to address pinicl 46827, operational requirement for all KMS roles to view NT Event Logs.	PC0046827
2.6	21/06/00	Updated to address pinicl 44842, CS Admin & RDMC User roles updated to include shortcut pointing to MessageSubmissionApplication.exe.	PC0044842
2.7	30/06/00	Updated to change Domain name WARWTIP to PDRTIP as per CP2537 where PDR stands for Pocl Disaster Recovery.	CP2537
2.8	24/07/00	Updated to remove all references to FRODB domain and RODB roles as per CP2630.	CP2630
2.9	08/08/00	Updated to address comments received from Frank Loftus, new Platforms TDA, main changes to Physical Platform Configuration design docment references.	
2.9A	14/08/00	KMS SSC APPS SUP role updated with the addition of Explorer.exe & Cmd.exe as per PinICL 52072.	PC0052072
2.10	24/08/00	Updated to include comments received from PVCS Document Review Cycle.	
2.11	18/09/00	Auditor role updated to include new tool as per PinICL 53666	PC0053666
2.12	09/10/00	OCMS Roles updated as per CP2672 taking input from SD/DES/176 v0.3	CP2672
3.0	09/10/00	V3.0 APPROVED BASELINE	CI4LP
3.1	26/10/00	Addressed comments received from PIT which were preventing SECURENT B008 build	
3.2	02/11/00	CP2582 RDMC-UKSS FTMS Link details	CP2582
3.3	14/11/00	PinICL 57685 Floppy Access for selected APS Clients	PC0057685
3.4	27/11/00	Document reworked using latest Pathway template	
3.5	28/11/00	New APS Client Users for Scottish and Southern Energy SSE	CP2692
3.6	14/12/00	OCMS User & OCMS DBC roles modified slightly	PC58136
3.7	19/12/00	New APS Client Users for Northern Ireland Electricity NIE	CP2647 CP2809
3.8	05/01/01	SLAM User Role updated to remove redundant tools.	PC59100

3.9	09/01/01	New APS Client Users for SWALEC and Welsh Water	CP2808
3.10	10/01/01	Clarification of Business Objects V4.1.2a functionality required for OCMS User role	CP2672
4.0	06/02/01	APPROVED Baseline corresponding to CI4M1 following review cycle	CI4M1
4.1	06/02/01	New APS Client Users for Royal Sun Alliance	CP2825
4.2	14/02/01	New APS Client Users for Standard Life	CP2860
4.3	20/02/01	Updated to include Performance Monitoring System Phase 2 Resource Domain access, Outlet Monitoring Authentication Domain roles and access and New APS Client for DVLNI	CP2790 CP2840 CP2826
4.4	14/03/01	OCMS User Role updated	CP2926
4.5	26/03/01	New APS Clients Users for British Telecom & TVL and address comments raised by Colin Mills against V4.3. Further detail for CP2790 added, primarily GMETCONS in Appendix A Reference to RS/REQ/020 which describes the NT platforms which are installed and configured with Anti Virus protection software	CP2893 CP2945 CP2960
4.6	20/04/01	Updates for RDMC User, APS User and CS Admin Roles	CP2695 CP2831 CP2935
4.7	26/04/01	New APS Client for Alternative Collection Point (ACP) Remove ECCO MIG Users OCP3656 Security Auditor and Pathway Security Manager roles updated with Firewall Management Tools	CP2949 CP2903 OCP3656
4.8	05/06/01	New APS Client for BBC (CCM)	CP2972
4.9	01/05/01	Addressed minor comments from Review Cycle	
5.0	05/06/01	APPROVED BASELINE	CI4S03

5.1	20/06/01	New Secure Role GSYSMANDEV	CP2987
5.2	30/07/01	New APS Client for TALEXUS and new APS Human Client User for HSH	CP2988
5.3	09/08/01	New APS Clients for DVLA and Quantrill	CP3017 CP3079
5.4	30/08/01	Updated RDMC User and APS User with WordPad menu entry and tool access.	PC69205
5.5	18/09/01	Updated with new Appendix D to identify the menus and toolset changes required to support SQL 2000 Updated to identify the introduction of IE5.5	CP3058 CP3057
5.6	22/10/01	New APS Client for AON Limited	CP3122
5.7	09/11/01	New APS Client for ESP	CP3129
5.8	20/11/01	Removal of APS Client RSA who withdrew from the APS programme	CP3103
5.9	22/11/01	Add new role for PWYKMS Domain, KMS APPS TRACE	CP3058
5.10	12/12/01	Updated Appendix D OCMS DBA and User roles with SQL 2000 tools	PC71197
6.0	14/01/02	Updated to Approved status following PVCS review cycle. Updated with new APS client details for National Savings (NASA)	CP3157

0.2   Approval Authorities

Name	Position	Signature	Date
Pete Dreweatt	Security Delivery Unit Manager		
Geoffrey Vane	Security TDA		
Graham Hooper	Pathway Security Manager		

0.3   Associated Documents

Reference	Version	Date	Title	Source
PA/TEM	2.0	?	This document is created from this version of PA/TEM/001	PVCS

ACP	3.0	18/12/98	RS/POL/0003 – Access Control Policy	PVCS
SFS	3.0	03/12/97	RS/FSP/0001 – Security Functional Specification	PVCS
NT DOM	4.0	01/02/01	RS/DES/0051 – CSR+ NT Domain Design	PVCS
NT ROLES	5.0	04/06/99	RS/REQ/012 – NT Groups Definition for NR2	PVCS
FTMSAP	0.9	12/03/01	TD/ION/029 – FTMS Configurations for AP Clients at CSR+	PVCS
ANTIVI	0.4	06/03/01	RS/REQ/020 – Implementation of Anti-Virus Requirements	C.Billings
DMZ	0.3	21/02/01	RS/DES/075 – Communication Monitoring System DMZ Security Overview	G.Vane

0.4   Abbreviations/Definitions

Abbreviation	Definition
BDC	Windows NT Backup Domain Controller Server
CSR+	Core Services Release +
Local	Access via the console attached directly to an NT platform
PDC	Windows NT Primary Domain Controller Server

0.5   Changes in this Version

Version	Changes
V6.0	Approved Baseline for Release BI1
V5.10	Adjusted SQL 2000 menus & tools for OCMS DBA and OCMS User roles
V5.9	Add new KMS APPS TRACE role in Appendix D
V5.8	Remove APS Client RSA
V5.7	CP3129 New APS Client ESP
V5.6	CP3122 New APS Client for AON Limited
V5.5	Addresses changes required due to IE5.5 and SQL 2000
V5.4	Fix PinICL 69205 for RDMC User and APS User roles
V5.3	CP3017 and 3079 New APS Clients DVLA and Quantrill
V5.2	CP2988 New APS Client for TALEXUS
V5.1	CP2987 New Secure role for System Management Devt staff
V5.0	APPROVED BASELINE for CI4S03

V4.9	Addressed minor comments received from document review cycle
V4.8	CP2972 New APS Client for BBC
V4.7 V4.6	CP2949 New APS Client ACP, CP2903 and OCP3656 Secure Role Updates
V4.5	CP2695, 2831, 2935 Toolset updates for RDMC/RDT workstations & roles
	CP2893 DPC (BT) APS Client, CP2960 TVL APS Client and CP2790 Human User Access role updates for STPDB Server in PERFMAN Resource Domain
V4.4 V4.3	CP2926 Ad Hoc Reporting for OCMS (part2)
	CP2826 DVLNI APS Client
	CP2840 Outlet Monitoring
	CP2790 Performance Monitoring System Phase2
	Appendix B and C update for GAPSSTLF & FTMSSTLF
	Appendix A and C updated for GAPSRSA & FTMSRSA
	Appendix A OCMS User role
	Appendix B and C updated for GAPSSWAL, GAPSWELW & FTMSWELW
	Appendix A and B updated for GAPSNIE & FTMSNIE
	Appendix B and C updated for GAPSSSE
	Appendix A and C updated for GAPSKNBC and GAPSOXSS
	Appendix C updated
	Restricted Desktop Menu added to Appendix A
	Menu Type Column added to Appendices B & C
	Spaces removed for KMAService and InteractiveService service user names
	PWYKMS Domain Secure Role SSC APPS SUP renamed KMS APPS SUP

0.6   Changes Expected

Changes
All new APS Client CPs

0.7   Table of Contents

1   Introduction

The nature of the Pathway system requires that access to the core systems should be strictly controlled. [ACP] states that effective control depends on having a clear definition of the roles and responsibilities of all personnel who need some form of access to the system. Users will gain access by being assigned to these roles. This will be core to Pathway implementing the principles of least privilege.

This document summarises the requirement and defines the human roles that will be implemented for NT platforms; which objects will be used by each role; the domains each role will function within; access point for the role; and associated privileges.

2   Scope

This document addresses the roles to be implemented as part of the Pathway central NT systems and access rights assigned to each role. Each role within this document access the datacentre through the Pathway NT Domain Structure referenced in [NT DOM].

Roles used by SMC, SMG and Girobank are specifically excluded from this document as they are authenticated on separate NT systems which form part of a managed service.

Roles used and defined by OSD are described in this document for completeness. Configuration of these roles in the live estate may be partly provided by SDU and T&I PIT or completely by OSD.

Pathway Human Roles configured with Secured Desktops are described in Appendix A.

Pathway Service User Accounts are defined in Appendix B

FTMS APS Clients for FTP and NTFS Share Access Types are defined in Appendix C

3   Requirements

The requirement to implement a role based access control system emanates from [ACP]. [ACP] further defines the roles that are required for access to the Pathway Systems and the responsibilities of these roles.

It should be noted that the Pathway solution has moved on since Version 2 of the ACP was issued and, as such, the Groups defined at Appendix A do not always correlate with the roles defined in [ACP]. This will be addressed by feeding these role definitions into the current review of the ACP which will be subject to a CP once all necessary changes have been agreed.

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4 Implementation

Each role will be set up as a Group within NT. Individual users will be assigned to these Groups in which access to objects, domains, servers and associated privileges will be controlled. These Groups are defined in Appendix A.

Roles will have defined access points which will have an accompanying Platform Design Document. Access to objects will be made available to each role at the relevant access point. This document specifically covers the Groups accessing the data centres. The Horizon Helpdesk and SMC/SMG roles are the responsibility of the appropriate managed service for the provision of suitable client systems compliant to the SFS and ACP.

The definition of the users will be held in a spreadsheet, or similar, and automated tools will be used for the production of the relevant command scripts.

Human roles and service users, as defined in this document, will be implemented using automated command scripts. By doing this, it will simplify the implementation and maintenance of the roles and service users defined in Annex A and B. Exceptions to this are those roles within the support services, ICL Outsourcing and SSC, who will also access toolsets via the command line. All roles only have authority to access the toolsets specified in this document.

Human users created from the defined roles may only be members of one role/Group definition. This is required to ensure the user is only provided with one appropriate toolset.

Implementation of the toolsets for the ICL Outsourcing roles will be the responsibility of the managed service and profiles will be set up locally on the NT client. In these instances there will be no user profile on the PDC.

Implementation of the menu structure for each Group will ensure that users assigned to that Group will be able to access the application set necessary for them to fulfil their duties. Not all tools will be available through a direct menu option; for example, Business Objects Universes will be accessed via a Business Object menu option. The Business Objects Administrator will be responsible for allocating the appropriate universes to users. Those 'tools' prefixed with '>' will not typically be assigned as a menu option through the PDC.

4.1 NT Administrator User

The Windows NT operating system is provided with a super user known as the 'Administrator'. This user has full administration and configuration privileges which is exercised at both system/server and domain level. This capability cannot be removed from Windows NT. Pathway recognises the power that this user has and the ability that a human user, using the administrator user, has to interfere with the day to day operation of the Pathway solution.

To address this issue, Pathway will limit and restrict the use of the NT Administrator User. This will be achieved by:

➢ Renaming the Administrator User on all NT Servers so that it is hidden from the system. The account name and password will be specified by the Pathway Security Manager, which will be strictly controlled and stored in a secure safe.

➢ Restrict full administrator privileges to the 'Operational Management' role. Use of this role will be subject to the management and procedural controls set out in the 'Pathway Code of Practice', PA/STD/010.

5   Notes that apply to Annex A

Those 'tools' prefixed with '>' will not be assigned as a menu option from the users workstation/access point. Instead the tool will be made available to the user from the Command Line.

The term NT Resource Kit will mean the full complement of NT Resource Kit utilities will be made available to the user role.

The term NT Resource Kit* {Toolname} will mean only the specific Resource Kit utility or utilities specified by {Toolname} will be made available to the user role.

The term NT Server Tools will mean the default Administrative Tools (Common) executables delivered with the NT Operating System.

Reference ANTIVI describes all the NT platforms that are installed with Anti-Virus protection software. It also describes the configuration details. Anti-Virus configuration details are not duplicated in this document.

6   APPENDIX A – Human User Roles

Group Name to be implemented	Tools	NT Servers	Access Rights	Authentication Domain	Resource Domain access	Access Point	ACP Equivalent
ICL Outsourcing							

Application SUP
 	
Restricted Desktop Menu
	➢ Discoverer 2000
	➢ PC Xware
	➢ Microsoft Office
	➢ Onnnet (telnet/ftp)
	➢ Patrol v3.2.05
	➢ Legato Administrator
	➢ IE5.5
	➢ SQL Server Admin
	➢ CMD prompt
	➢ ALL ATHENE CMDs will be accessibile either from the command line or by a menu and toolset produced and provided on the ISD Desktop by ISD.
	Athene Analyst
	    Analyst
	    ViewDB Storage
	Athene Automatic Reporting
		B/W SLAM
		
		Domain User
		
		Access to Sequent
			Read / Write / Execute	PWYDCS
				PWYHQ
				HUTHTIP
				FARNHAPS
				LEICHAPS
				PDRTIP
					B/WSLAM
					PERFMAN
						OSD NT Client PC
						
						Third Party Supplier PC
							Application Support (OSD)

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Define A Report						
Schedule Editor						
View Processed Reports						
Athene Client-Server						
Client-Server						
Athene CustomDB						
CustomDB						
Schedule Editor						
Web Log Parser						
Athene Explorer						
Define A Report						
Explore Reports						
Athene Planner						
Build Baseline Model						
Calibrate Baseline Model						
Delete Models						
Edit baseline Model						
Edit Reference Tables						
Edit Thresholds						
Evaluate Model						
Modify Model						
View Results						
Athene Sentinel						

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	Alert Summary Sentinel						
Base Installation & Configuration **(not an account template - no system policy)**	NT Administrator	All Servers	Administrative Full	Local	Server Console	Server Console	Base Installation & Configuration (OSD)
Engineer Non Restricted Desktop	Normal Full NT Desktop	All Servers Assign as member of power users group	Read / Execute	PWYDCS PWYHQ PWYKMS PWYFTMS PWYCSM HUTHTIP FARNHAPS LEICHAPS PDRTIP	SEQSUP ORASUP B/WSLAM B/WPOCL B/WBOOT B/WOPSS PWYMAS PERFMAN BRASUP FELUSRS SIGF CONFMAN CORPPWY	Server Console	Engineers (NT Data Centres)
Security Managers **Restricted Desktop Menu**	➢ NT User Manager ➢ SQL Server Admin ➢ SQL Server SecurityManager	All Servers	Read / Write	PWYDCS PWYHQ PWYFTMS HUTHTIP	All	OSD NT Client PC Third Party Supplier PC	Security Management

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	➢ CMD prompt			FARNHAPS LEICHAPS PDRTIP			
KMS SYSADMs **Restricted Desktop Menu**	➢ NT Resource Kit Version supplied with Supplement 4 NT Server Tools CMD Prompt Explorer.exe This role requires access to the network printer which should be configures on the KMS Admin Workstation	All KMS Servers	Administrative	PWYKMS	N/A	KMS Admin Workstation SD/DES/135	Operational Management (OSD)
Operational MAN **Restricted Desktop Menu**	➢ Compaq systems reference library ➢ Insight Manager ➢ SQL Server Admin ➢ Technet ➢ Microsoft Office ➢ NT Resource Kit ➢ Onnnet (telnet/ftp) ➢ Patrol v3.2.05 ➢ Legato Administrator ➢ nt srvtools ➢ Tivoli desktop ➢ IE5.5 for access to Tivoli web ➢ NT resource kit remote	All Servers Access to Sequent	Administrative Full	PWYDCS PWYHQ PWYFTMS HUTHTIP FARNHAPS LEICHAPS PDRTIP	All	OSD NT Client PC Third Party Supplier PC	Operational Management (OSD) Riposte Management

➢ console server
 	
➢ PC Xware
 	
➢ CMD prompt
 	
➢ VPNDiagClient.exe
 	
➢ Notepad
 	
➢ SVPNTSTN.exe (Utimaco API Function Tool)
 	
➢ ALL ATHENE CMDs will be accessibile either from the command line or by a menu and toolset produced and provided on the ISD Desktop by ISD.
 	
Athene Analyst
 	
    Analyst
 	
    ViewDB Storage
 	
Athene Automatic Reporting
 	
    Define A Report
 	
    Schedule Editor
 	
    View Processed Reports
 	
Athene Client-Server
 	
    Client-Server
 	
Athene CustomDB
 	
    CustomDB
 	
    Schedule Editor
 	
    Web Log Parser						

	Athene Explorer						
	Define A Report						
	Explore Reports						
	Athene Planner						
	Build Baseline Model						
	Calibrate Baseline Model						
	Delete Models						
	Edit baseline Model						
	Edit Reference Tables						
	Edit Thresholds						
	Evaluate Model						
	Modify Model						
	View Results						
	Athene Sentinel						
	Alert Summary						
	Sentinel						
Network Managers **Restricted Desktop Menu**	➢ Telnet ➢ Router Configuration Software ➢ Network Diagnostic software ➢ CMD prompt ➢ VPNDiagClient.exe			PWYDCS	N/A	Network Client PC Third Party Supplier PC	Network Management Configurer
Sequent Support	➢ PC Anywhere	Access to Sequent	Read	PWYDCS	SEQSUP	Sequent Client PC	Sequent Support

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Non Restricted Role at Present	➢ Hyper Terminal						
Oracle Support **Non Restricted Role at Present**	➢ Telnet	Access to Sequent	Read	PWYDCS	ORASUP	Oracle Client PC	Oracle Support
EMC Support **Non Restricted Role at Present**	➢ EMC proprietary ➢ Client software	Access to Sequent	Read	PYWDCS	N/A	EMC Client PC	None
SSC Apps MAN **Restricted Desktop Menu**	CMD prompt ➢ Tivoli Remote Console ➢ Rclient ➢ Rconsole ➢ RiposteGetMessage.exe ➢ RiposteIndex.exe ➢ RiposteNode.exe ➢ RiposteObjectSecurity. Exe ➢ RiposteObject.exe ➢ RipostePing.exe	All Servers Also; Access to Sequent	Read / Write / Execute	PWYDCS PWYHQ PWYFTMS HUTHTIP FARNHAPS LEICHAPS PDRTIP	All	SSC NT Client PC SD/DES/172	Application Support (SSC)

➢ RipostePriorityMessage. exe						
➢ RiposteQueryUK.exe						
➢ RiposteNextMessage.exe						
➢ RipostePutMessage.exe						
➢ RiposteScanMessage.						
➢ RiposteStatus.exe						
➢ RODBClient.exe						
➢ SQLServer V6.5 client utilities						
➢ ExCeed for Windows NT (V 6.1)						
➢ Visual Basic I.D.E.						
Telnet						
<u>NT utilities</u>						
➢ FTP (To Host Sequent, and other POCL Services)						
Microsoft Diagnostics						
NT Event Viewer						
WinZip/Pkzip						
CD Rom writing software						
Textpad						
NotePad						
Microsoft Word						
Microsoft Excel						
Microsoft Access						

	Microsoft Explorer						
	Internet Explorer (c/w SSC default links page)						
	Full NT Control Panel						
	Performance Monitor Registry editor						
	In-house Utilities						
	➢ Archive Viewer						
	➢ Expiry Reporter						
	➢ Stops Reporter						
	➢ Formatted File Utility						
	➢ MessageStore Utility						
	➢ EndOfDay Reporter						
	➢ MessageStore Sort Utility						
	VPN Utilities						
	➢ VPNDiagClient.exe						
	➢ SVPNTSTN.exe						
	Athene Analyst						
	Analyst						
	ViewDB Storage						
	Athene Automatic Reporting						
	Define A Report						
	Schedule Editor						
	View Processed Reports						
	Athene Client-Server						

	Client-Server						
	Athene CustomDB						
	CustomDB						
	Schedule Editor						
	Web Log Parser						
	Athene Explorer						
	Define A Report						
	Explore Reports						
	Athene Planner						
	Build Baseline Model						
	Calibrate Baseline Model						
	Delete Models						
	Edit baseline Model						
	Edit Reference Tables						
	Edit Thresholds						
	Evaluate Model						
	Modify Model						
	View Results						
	Athene Sentinel						
	Alert Summary						
	Sentinel						
SSC Apps SUP	CMD prompt	All Servers	Read / Execute	PWYDCS PWYHQ	All	SSC NT Client PC	Application Support (SSC)

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Restricted Desktop Menu	➢ Tivoli Remote Console			PWYFTMS			
	➢ Rclient	Also;		HUTHTIP		SD/DES/172	
	➢ Rconsole	Access to Sequent		FARNHAPS			
	➢ RiposteGetMessage.exe			LEICHAPS			
	➢ RiposteIndex.exe			PDRTIP			
	➢ RiposteNode.exe						
	➢ RiposteObject.exe						
	➢ RiPostePing.exe						
	➢ RipostePriorityMessage.exe						
	➢ RiposteNextMessage.exe						
	➢ RiposteQueryUK.exe						
	➢ RiposteScanMessage.exe						
	➢ RiposteStatus.exe						
	➢ RODBClient.exe						
	➢ SQLServer V6.5 client utilities						
	➢ ExCeed for Windows NT (V 6.1)						
	➢ Visual Basic I.D.E.						
	Telnet						
	NT utilities						
	➢ FTP (To Host Sequent, and other POCL Services)						
	Microsoft Diagnostics						
	W Event Viewer						
	WinZip/Pkzip						

CD Rom writing software						
Textpad						
Microsoft Word						
Microsoft Excel						
Microsoft Access						
Microsoft Explorer						
Internet Explorer (c/w SSC default links page)						
Full NT Control Panel						
CMD Prompt						
Performance Monitor						
In-house Utilities						
➢ Archve Viewer						
➢ Expiry Reporter						
➢ Stops Reporter						
➢ Formatted File Utility						
➢ MessageStore Utility						
➢ EndOfDay Reporter						
➢ MessageStore Sort Utility						
VPN Utilities						
➢ VPNDiagClient.exe						
Athene Analyst						
Analyst						
ViewDB Storage						
Athene Automatic Reporting						
Define A Report						

	Schedule Editor						
	View Processed Reports						
Athene Client-Server							
	Client-Server						
Athene CustomDB							
	CustomDB						
	Schedule Editor						
	Web Log Parser						
Athene Explorer							
	Define A Report						
	Explore Reports						
Athene Planner							
	Build Baseline Model						
	Calibrate Baseline Model						
	Delete Models						
	Edit baseline Model						
	Edit Reference Tables						
	Edit Thresholds						
	Evaluate Model						
	Modify Model						
	View Results						
Athene Sentinel							
	Alert Summary						

	Sentinel						
GMETCONS	Athene Analyst	Short Term PDB at Phase 1b	Local Logon rights at STPDB Server Console	PWYDCS	PERFMAN	STPDB Server	None
	Analyst						
	ViewDB Storage						
	Athene Automatic Reporting						
	Define A Report		Needs				
	Schedule Editor		Read and Execute access to C:\				
	View Processed Reports						
	Athene Client-Server		Read, Execute and Write access to D:\athene				
	Client-Server						
	Athene CustomDB		Full Control access to E:\metron\maestro\datain and E:\metron\database				
	CustomDB						
	Schedule Editor						
	Web Log Parser						
	Athene Explorer						
	Define A Report						
	Explore Reports						
	Athene Planner						
	Build Baseline Model						
	Calibrate Baseline Model						
	Delete Models						
	Edit baseline Model						
	Edit Reference						

	Tables						
	Edit Thresholds						
	Evaluate Model						
	Modify Model						
	View Results						
	Athene Sentinel						
	Alert Summary						
	Sentinel						
	Athene Control Centre						
	Athene Database Converter						
	Capture and Collection						
	Control Centre						
	Control File Editor						
	Data Management						
	Define DB User Details						
	Define Thresholds						
	Define User Data Processing Options						
	Maintain DBF Files						
	View Control Centre Error Logs						
GSMCDBA Restricted	Oracle Enterprise Manager • Backup Manager • Data Manager	SMDB Primary and Hot Standby	Database Administrative Full	PWYCSM	None	SMDB Server Local Console	None Note: The

						SD/DES/206	SYSMAN Domain DBA_TECHNICIAN Role will also be trusted to operate within PWYCSM via its membership of the groups setup for SMCDBA
Desktop Menu	• Instance Manager • Schema Manager • SQL Worksheet • Security Manager • Storage Manager						
GSMDBOPMAN **Restricted Desktop Menu**	➢ NT Server Tools ➢ Technet ➢ NT Resource Kit ➢ Tivoli desktop ➢ Internet Explorer 5.5 for access to Tivoli web ➢ NT resource kit remote console server ➢ CMD prompt ➢ Notepad	SMDB Primary and Hot Standby	Administrative Full	PWYCSM	None	SMDB Server Local Console SD/DES/206 And/or SMC NT Client PC Third Party Supplier PC	Operational Management Note: The SYSMAN Domain NT_TECHNICIANS Role will also be trusted to operate within PWYCSM via its membership of the groups setup for SMDBOPMAN. CP3057

Group Name to be implemented	Tools	NT Servers	Access rights	Authentication Domain	Resource Domain access	Access Point	ACP Equivalent
Pathway Roles							
Auditors Restricted Desktop Menu	Legato client.exe RiposteRQueryUK Oracle Discoverer Counter Determinant SQL 2000 Profiler MS Word MS Access MS Excel MS Word Pad Note Pad WinZip v6..3 CD Writer Software Windows Explorer Printer DLT MS Backup Audit Extractor Client	Audit Archive and Retrieval Server Correspondence Server	Read / Execute	PWYDCS	B/WOPSS	Audit PC SD/DES/140	NAO Auditor POCL Auditor Pathway Business Functions Auditor
ACDB Admin Restricted Desktop Menu	ACDB Client.exe ➢ assign member of ACDB Admin Group	Auto-Configuration Server	Read /Write / Execute	PWYDCS	B/WOPSS	Auto-Configuration Client PC SD/DES/141	None

ACDB User **Restricted Desktop Menu**	ACDB Client.exe (assign member of ACDB User Group)	Auto-Configuration Server	Read / Write / Execute	PWYDCS	B/WOPSS	Auto-Configuration Client PC SD/DES/141	None
Business Support **Restricted Desktop Menu**	RiposteQueryUK.exe Business Objects ➢ TPF Business Objects Designer Oracle Forms SUPF Series (Helpdesk)	Access to Correspondence Server	Read / Execute	PWYHQ	B/WOPSS CORPPWY	Business Support Client PC SD/DES/092 SLAM Client PC	Business Support Pathway Management
SLAM Users **Restricted Desktop Menu**	CON SQL* Forms CCS SQL* Forms Business Objects v4.1.10 Business Objects Designer Business Objects Supervisor Business Objects Reporter Business Objects Document Agent Reference Data Windows Explorer MS Word MS Excel Winzip v6.3 Printer to local printer 3.5 floppy	B/WSLAM	Read / Execute	PWYHQ	B/WSLAM B/WOPSS (SSCSS svrs)	SLAM Client PC SD/DES/181	Implicit in text

	CD ROM access CD ROM Writer & Software						
MIS BUS DEV Users Restricted Desktop Menu	Business Objects ➢ Business Universe Windows Explorer MS Word MS Excel Printer	B/WSLAM Access to Data Warehouse	Read / Execute	PWYHQ	B/WSLAM	SLAM Client PC SD/DES/181	Implicit in text

| **CS Admin**

Restricted Desktop Menu | APS User Maintenance
RDMC Access Control
RDMC Interactive Data Loader
RDMC Release Manager
RDMC Reports
RDMC Send
MS Word
MS Excel
Winzip
Oracle Discoverer 2000
RDT Reference Data Monitoring Tool (RDT produced Applictaion)
Maestro Remote Console
SQL Worksheet
SQL Plus
Shortcut pointing to MessageSubmissionApplication.exe | RDMC/RDDS | Read / Write / Execute | PWYDCS | FELUSRS | RDMC Administrator Workstation

SD/DES/167 | Secure role previously known as RDMC Admin |

RDMC User	RDMC Interactive Data Loader	RDMC/RDDS	Read / Execute	PWYDCS	FELUSRS	RDMC Administrator Workstation	
Restricted Desktop Menu	RDMC Release Manager						
	RDMC Reports					SD/DES/167	
	MS Word						
	MS Excel		Read / Write / Execute			Note: As a result of CP2441, Paul Curley will operate 1 RDMC at BRA01 with MemoView Added to the workstation	
	WordPad						
	Winzip						
	Oracle Discoverer 2000						
	RDT Reference Monitoring Tool (RDT produced application)						
	Maestro Remote Console						
	SQL Worksheet						
	SQL Plus Internet Explorer 5.5* Rclient * Shortcut pointing to MessageSubmissionApplication .exe						
	Note: * Both of these tools are retricted to RDMC Workstations located at BRA01 only						

| APS User Restricted Desktop Menu | APS Service Agreement Manager APS System Parameters APS Trans Except APS Client Service Manager MS Word MS Excel WordPad Winzip Oracle Discoverer 2000 | APS | Read / Execute Read / Write / Execute | PWYDCS | FELUSRS | RDMC Administrator Workstation SD/DES/167 | |
| OCMS DBA Restricted Desktop Menu | OCMS Client SQL Server 6.5 Client Configuration Utility SQL Server 6.5 SP5a ODBC V2.65 Business Objects V4.1.10 Event Viewer MS Backup MS Query Notepad Performance Monitor Wordpad User Manager Windows NT Explorer Requires access to a locally connected printer. | OCMS Server (ACDB server in BOPSS/WOPSS) FTMS Gateway in PWYFTMS | Read / Execute within SQL DB Full Control to Share point OCMSRPTS located on OCMS Server | PWYDCS | BOPSS WOPSS PWYFTMS | OCMS Client PC SD/DES/176 | None CP2591 |

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OCMS Users Restricted Desktop Menu	OCMS Client SQL Server 6.5 Client configuration Utility Business Objects V4.1.10 + Designer V4.1.10 + Supervisor V4.1.10 Requires access to Floppy Disc drive. Requires access to a locally connected printer.	OCMS Server (ACDB server in BOPSS/WOPSS)	Read / Execute within SQL DB Full Control to Share point OCMSRPTS located on OCMS Server	PWYDCS	BOPSS WOPSS	OCMS Client PC SD/DES/176	None CP2033 CP2672 CP2926 Secure role previously known as OCMS_Users
GSYSMANDEV Restricted Desktop Menu	Tivoli Web Browser MS Access	All	Read / Execute	PWYDCS PWYHQ PWYFTMS	All	SecurID Admin W/S SD/DES/171	None this is a new role based on the Pathway Security Event Auditor
Security Auditors Restricted Desktop Menu	SecurID admin.client Event Viewer Tivoli Web Browser MS Access Firewall1 Log Viewer Firewall1 System Status Firewall1 Policy	All Access to Enterprise Server (SecurID)	Read / Execute	PWYDCS PWYHQ PWYFTMS HUTHTIP FARNHAPS LEICHAPS PDRTIP	All	SecurID Admin W/S SD/DES/171	Pathway Security Event Auditor

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Pathway SECMAN Restricted Desktop Menu	SecurID admin.client Event Viewer Tivoli Web Browser MS Access Firewall1 Log Viewer Firewall1 System Status Firewall1 Policy	All Access to Enterprise Server (SecurID)	Read / Execute	PWYDCS PWYHQ PWYFTMS PWYCSM HUTHTIP FARNHAPS LEICHAPS PDRTIP	All	SecurID Admin W/S SD/DES/171	Pathway Security Manager
GSMDBUser Null Menu THIS ROLE IS NOT USED AT THE INITIAL INTRODUCTIO N OF CP2840 BUT IS PROVIDED READY FOR POSSIBLE USE AT LATER DEVELOPMEN T PHASES OF THE PWYCSM DOMAIN.	This user is provided with a null menu. They access the SMDB Server via Internet Explorer or other Web Browser that is installed on the ICL Corporate Desktop/Laptop. The user accounts created from this role forces the user to be authenticated by Windows NT at the PWYCSM Domain. This enables an audit trail for user access and attempted access to be maintained.	SMDB Primary and SMDB Hot Standby	Read / Execute	PWYCSM	None	ICL Corporate Desktop or Dial-in Laptop connected to the ICL Corporate Network	None
Key Managers	KMA GUI NT Event Viewer	KMA Server	Read / Execute	PWYKMS	N/A	KMA Workstation	Cryptographic Key Manager

Restricted Desktop Menu	Crystal Report Designer					SD/DES/134	
	Crystal SQL Designer						
	ODBC Administrator						
	Runtime File Requirements						
	Seagate Crystal Reports Developer's Help						
	Seagate Crystal Reports Help						
	Seagate Crystal Reports Readme						
	Winhelp.exe						
	Winhlp32.exe						
	NOTE						
	Do not install						
	Crystal Query Client						
	Crystal Query Server						
	Web Report Server						
	This role requires access to the network printer which should be configured on the KMS Admin Workstation						
Data Managers **Restricted Desktop Menu**	KMA GUI NT Event Viewer Crystal Report Designer	KMA Server	Read / Execute	PWYKMS	N/A	KMA Workstation SD/DES/134	KMA Data Manager

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	Crystal SQL Designer					
	ODBC Administrator					
	Runtime File Requirements					
	Seagate Crystal Reports Developer's Help					
	Seagate Crystal Reports Help					
	Seagate Crystal Reports Readme					
	Winhelp.exe					
	Winhlp32.exe					
	NOTE					
	Do not install					
	Crystal Query Client					
	Crystal Query Server					
	Web Report Server					
	This role requires access to the network printer which should be configured on the KMS Admin Workstation					
KMS SecMANs **Restricted Desktop Menu**	SQL Server Admin Including SQL Server Security Manager MS Query SQL Trace Utility SQL Server Books Online	All KMS Servers and Domain Workstations	Read / Execute	PWYKMS	N/A	KMS Admin Workstation SD/DES/135	Security Manager

	CMD Prompt Usrmgr.exe NT Event Viewer This role requires access to the network printer which should be configured on the KMS Admin Workstation						
KMS APPS TRACE **Restricted Desktop Menu**	SQL Profiler Performance Monitor	All KMS Servers	Read / Execute	PWYKMS	N/A	KMS Admin Workstation SD/DES/135	None CP3058
KMS DBA **Restricted Desktop Menu**	SQL Server V6.5 Client Utilities including ISQL/W Enterprise Manager MS Query SQL Trace Utility SQL Server Books Online NT Event Viewer Crystal Report Designer Crystal SQL Designer ODBC Administrator Runtime File Requirements Seagate Crystal Reports Developer's Help	KMA Server	Read / Execute	PWYKMS	N/A	KMS Admin Workstation SD/DES/135	Database Administrator

	Seagate Crystal Reports Help						
	Seagate Crystal Reports Readme						
	Winhelp.exe						
	Winhlp32.exe						
	NOTE						
	Do not install						
	Crystal Query Client						
	Crystal Query Server						
	Web Report Server						
	This role requires access to the network printer which should be configured on the KMS Admin Workstation						
KMS APPS SUP **Restricted Desktop Menu**	SQL Server V6.5 Client Utilities including ISQL/W Enterprise Manager MS Query SQL Server Books Online Crystal Report Designer Crystal SQL Designer ODBC Administrator Runtime File Requirements Seagate Crystal Reports Developer's Help	KMA Server	Read / Execute	PWYKMS	N/A	KMS Admin Workstation SD/DES/135	Application Support (SSC)

	Seagate Crystal Reports Help						
	Seagate Crystal Reports Readme						
	Winhelp.exe						
	Winhlp32.exe						
	NT Event Viewer						
	Explorer.exe						
	Cmd.exe						
	NOTE: Do not install Crystal Query Client						
	Crystal Query Server						
	Web Reports Server						
	This role requires access to the network printer which should be configured on the KMS Admin Workstation						
KMS Auditors **Restricted Desktop Menu**	MS Word MS Access MS Excel MS Word Pad Note Pad Windows Explorer NT Event Viewer Printer This role requires access to	KMA Server	Read / Execute	PWYKMS	N/A	KMS Admin Workstation SD/DES/135	NAO Auditor POCL Auditor Pathway Business Functions Auditor

	the network printer which should be configured on the KMS Admin Workstation						
GAPSKNBC **Restricted Desktop Menu**	Windows Explorer Must be able to access Floppy Disc Drive and D: Drive	MKNRAP01 MKNRAP02	Read / Execute	PWYFTMS	N/A	Remote APS Gateway for Knowsley BC TD/ION/029	None
GAPSOXSS **Restricted Desktop Menu**	Windows Explorer Must be able to access Floppy Disc Drive and D: Drive	MOXRAP01 MOXRAP02	Read / Execute	PWYFTMS	N/A	Remote APS Gateway for Oxfordshire Social Services TD/ION/029	None
GAPSDVNI **Restricted Desktop Menu**	Windows Explorer Must be able to access Floppy Disc Drive and D: Drive	MCORAP01 MCORAP02	Read / Execute	PWYFTMS	N/A	Remote APS Gateway forDVLNI TD/ION/029	None

7   APPENDIX B – Service User Accounts

This table lists by Domain those service users that are configured on the Domain PDC.

Service User Account Name	Domain Account Created In	Comments	Menu Type
ACDBsql	BOPSS	MSSQLServer and SQLExecutive Services	None
OCMSsql		MSSQLServer and SQLExecutive Services	None
FTMS		FTMS User	Null Menu as default state
MAESTRO		MAESTRO User	None
Signing		Signing Service	None
KMHarvester		KM Key Object Harvester	None
KMLoader		KM Key Object & Memo Loaders	None
FTMS	BPOCL	FTMS User	Null Menu as default state
MAESTRO		MAESTRO User	None
VPNPMCSVC	BVPN	VPN Service User	None
VPNPMSSVC		VPN Service User	None
FTMS	FARNHAPS	FTMS User	Null Menu as default state
POCLHAPS		POCL HAPS Service	Null Menu
FTMS	HDHORIZON	FTMS User	Null Menu as default state
HHDBTX		Horizon Helpdesk BTX User	No Policy Entry
HHDMitel		Horizon Helpdesk Mitel User	No Policy Entry
HHDSorbus		Horizon Helpdesk Sorbus User	No Policy Entry
FTMS	HUTHTIP	FTMS User	Null Menu as default state
POCLRDB		POCL RDB Service	Null Menu
POCLRDT		POCL RDT Service	Null Menu

POCLRMAIL		POCL RMAIL Service	Null Menu
POCLTIP		POCL TIP Service	Null Menu
POSAPADS		POSAPADS Service	Null Menu
FTMS	LEICHAPS	FTMS User	Null Menu as default state
POCLHAPS		POCL HAPS Service	Null Menu
ORA_BACKUPSERVICE	PWYCSM	Oracle Backup Service	None
ORA_SMDB		Oracle SMDB Service User	None
VeritasBackup		VeritasBackup Service User	None
WWW_User		Oracle Web Server Service User	None
MAESTRO	PWYDCS	MAESTRO User	None
RDMC		RDMC Service User	None
MAESTRO	PWYFTMS	MAESTRO User	None
FTMSAPS		FTMS APS Service User (Local Gateway)	Null Menu
FTMSGENERAL		FTMS General Service User for ICL FTMS	Null Menu
FTMSBGT		FTMS Service User for BGT client	Null Menu
FTMSCQO		FTMS Service User for CQO client	Null Menu
FTMSMDKW		FTMS Service User for Mid Kent Water client	Null Menu
FTMSHCC		FTMS Service User for Hampshire CC client	Null Menu
FTMSYE		FTMS Service User for Yorkshire Elec client	Null Menu
FTMSKNBC		FTMS Service User for Knowsley BC client	Null Menu
FTMSGIRO		FTMS Service User for GiroBank client	Null Menu
FTMSMAN		FTMS Service User for OBCS	Null Menu
FTMSSTEV		FTMS Service User for OBCS	Null Menu
FTMSUKSS		FTMS Service User for OCMS/RDMC	Null Menu
FTMSOXSS		FTMS Service User for Oxford SS client	Null Menu

FTMSSSE		FTMS Service User for Scottish & Southern Energy client	Null MenuNull Menu
FTMSNIE		FTMS Service User for Northern Ireland Electricity client	Null Menu
FTMSWELW		FTMS Service User for SWALEC & Welsh Water	Null Menu
FTMSSTLF			Null Menu
FTMSDVNI		FTMS Service User for Standard Life	Null Menu
FTMSDPC		FTMS Service User for DVLNI	Null Menu
FTMSTVL		FTMS Service User for DPC (British Telecom)	Null Menu
FTMSACP		FTMS Service User for TVL	Null Menu
FTMSCCM		FTMS Service User for ACP	Null Menu
FTMSTALX		FTMS Service User for CCM (BBC)	Null Menu
FTMSDVLA		FTMS Service User for TALEXUS	Null Menu
FTMSQUAN		FTMS Service User for DVLA	Null Menu
FTMSAON		FTMS Service User for QUAN	Null Menu
FTMSESP		FTMS Service User for AON	Null Menu
FTMSNASA		FTMS Service User for AON	Null Menu
		FTMS Service User for NASA	
DBABatch	PWYKMS	Maestro DBA Service User	None
InteractiveService		Interactive service Account	None
KMABatch		KMA Maestro SQL Service	None
KMAService		KMA Service Account	None
MAESTRO		MAESTRO User	None
KMSsql		KMA SQL Service User	None
TivoliSC		Tivoli System Control Service User	None

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Signing	SIGF	Signing Service	None
FTMS	PDRTIP	FTMS User	Null Menu as default state
POCLRDB		POCL RDB Service	Null Menu
POCLRDT		POCL RDT Service	Null Menu
POCLRMAIL		POCL RMAIL Service	Null Menu
POCLTIP		POCL TIP Service	Null Menu
POSAPADS		POSAPADS Service	Null Menu
ACDBsql	WOPSS	MSSQLServer and SQLExecutive Services	None
OCMSsql		MSSQLServer and SQLExecutive Services	None
FTMS		FTMS User	Null Menu as default state
MAESTRO		MAESTRO User	None
Signing		Signing Service	None
KMHarvester		KM Key Object Harvester	None
KMLoader		KM Key Object & Memo Loaders	None
FTMS	WPOCL	FTMS User	Null Menu as default state
MAESTRO		MAESTRO User	None
FTMS	WSLAM	FTMS User	Null Menu as default state
MAESTRO		MAESTRO User	None
VPNPMCSVC	WVPN	VPN Service User	None
VPNPMSSVC		VPN Service User	None

8   APPENDIX C – Remote Domain FTP Access Users

This table lists by Domain those service users that are configured on the Domain PDC.

FTP User Account Name / Ggroup Name	Domain Account Created In	Comments	Menu Type
	BPOCL		
	WPOCL		
POCLHAPS (GPOCLHAPS)	FARNHAPS		Null Menu
POCLHAPS (GPOCLHAPS)	LEICHAPS		Null Menu
POCLRDB (GPOCLRDB)	HUTHTIP		Null Menu
POCLRMAIL (GPOCLRMAIL)			Null Menu
POCLTIP (GPOCLTIP)			Null Menu
POCLRDT (GPOCLRDT)			Null Menu
POSAPADS (GPOSAPADS)			Null Menu
POCLRDB (GPOCLRDB)	PDRTIP		Null Menu
POCLRMAIL (GPOCLRMAIL)			Null Menu
POCLTIP (GPOCLTIP)			Null Menu
POCLRDT (GPOCLRDT)			Null Menu
POSAPADS (GPOSAPADS)			Null Menu
APSBGT (GAPSBGT)	PWYFTMS		Null Menu
APSCQO (GAPSCQO)			Null Menu
APSMDKW (GAPSMDKW)			Null Menu
APSHCC (GAPSHCC)			Null Menu
APSSCC (GAPSSCC)			Null Menu
APSYE (GAPSYE)			Null Menu

APSSSE (GAPSSE)			Null Menu
APSSWAL (GAPSSWAL)			Null Menu
APSWELW (GAPSWELW)			Null Menu
APSSTLF (GAPSSTLF)			Null Menu
OCMSUKSS (GOCMSUKSS)			Null Menu
OBCSSTEV (GOBCSSTEV)			Null Menu
OBCSMAN (GOBCSMAN)			Null Menu
OCMSUKSS (GOCMSUKSS)			Null Menu
RDMCUKSS(GRDMCUKSS)			Null Menu
APSDPC (GAPSDPC)			Null Menu
APSTVL (GAPSTVL)			Null Menu
APSACP (GAPSACP)			Null Menu
APSCCM (GAPSCCM)			Null Menu
APSTALX (GAPSTALX)			Null Menu
APSHELP (GAPSHELP)			Null Menu
APSDVLA (GAPSDVLA)			Null Menu
APSQUAN (GAPSQUAN)			Null Menu
APSAON (GAPSAON)			Null Menu
APSESP (GAPSESP)			Null Menu
APSNASA (GAPSNASA)			Null Menu

9   APPENDIX D – SQL 2000 Toolset Updates

This appendix lists the Secure Roles that require Menu and Toolset refreshes as a result of implementing CP3058 Upgrading SQL Server application from SQL Server V6.5 to SQL Server V2000.

This appendix covers privileged and non privileged Human User roles and Secured Service User accounts with detail provided in the following tables.

Privileged User Roles

Group Name to be implemented	Tools	NT Servers	Access Rights	Authentication Domain	Resource Domain access	Access Point	ACP Equivalent
ICL Outsourcing							
Security Managers **Restricted Desktop Menu**	➢ NT User Manager ➢ SQL Server Admin ➢ SQL Server Enterprise Manager ➢ CMD prompt	All Servers	Read / Write	PWYDCS PWYHQ PWYFTMS HUTHTIP FARNHAPS LEICHAPS PDRTIP	All	OSD NT Client PC Third Party Supplier PC	Security Management CP3058

Non Privileged User Roles

Group Name to be implemented	Tools	NT Servers	Access rights	Authentication Domain	Resource Domain access	Access Point	ACP Equivalent
Pathway Roles							
ACDB Admin **Restricted Desktop Menu**	ACDB Client.exe ➢ assign member of ACDB Admin Group	Auto-Configuration Server	Read /Write / Execute	PWYDCS	B/WOPSS	Auto-Configuration Client PC SD/DES/141	None No change resulting from CP3057 or 3058
ACDB User **Restricted Desktop Menu**	ACDB Client.exe (assign member of ACDB User Group)	Auto-Configuration Server	Read / Write / Execute	PWYDCS	B/WOPSS	Auto-Configuration Client PC SD/DES/141	None No change resulting from CP3057 or 3058

OCMS DBA **Restricted Desktop Menu**	ODBC V2.65 Business Objects V5.1.2 SP1 Event Viewer MS Backup MS Query Notepad Performance Monitor Wordpad User Manager Windows NT Explorer Internet Explorer 5.5 Requires access to a locally connected printer.	OCMS Server (ACDB server in BOPSS/WOPSS) FTMS Gateway in PWYFTMS	Read / Execute within SQL DB Full Control to Share point OCMSRPTS located on OCMS Server	PWYDCS	BOPSS WOPSS PWYFTMS	OCMS Client PC SD/DES/176	None CP2591 CP3057 CP3058
OCMS Users **Restricted Desktop Menu**	OCMS Client Business Objects V5.1.2 + Designer V5.1.2 + Supervisor V5.1.2 Internet Explorer 5.5 Requires access to Floppy Disc drive. Requires access to a locally connected printer.	OCMS Server (ACDB server in BOPSS/WOPSS)	Read / Execute within SQL DB Full Control to Share point OCMSRPTS located on OCMS Server	PWYDCS	BOPSS WOPSS	OCMS Client PC SD/DES/176	None CP2033 CP2672 CP2926 CP3057 CP3058 Secure role previously known as OCMS_Users
KMS APPS TRACE	SQL Profiler Performance Monitor	All KMS Servers	Read / Execute	PWYKMS	N/A	KMS Admin Workstation	None

						SD/DES/135	CP3058
Restricted Desktop Menu							
KMS SecMANs **Restricted Desktop Menu**	SQL Server Admin Including SQL Enterprise Manager MS Query SQL Profiler Utility SQL Server Books Online CMD Prompt Usrmgr.exe NT Event Viewer Internet Explorer 5.5 This role requires access to the network printer which should be configured on the KMS Admin Workstation	All KMS Servers and Domain Workstations	Read / Execute	PWYKMS	N/A	KMS Admin Workstation SD/DES/135	Security Manager CP3057 CP3058
KMS DBA **Restricted Desktop Menu**	SQL Server 2000 Client Network Utility SQL Query Analyzer SQL Enterprise Manager SQL Profiler Utility SQL Server Books Online MS Query NT Event Viewer	KMA Server	Read / Execute	PWYKMS	N/A	KMS Admin Workstation SD/DES/135	Database Administrator CP3057 CP3058

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	Internet Explorer 5.5						
	Crystal Report Designer						
	Crystal SQL Designer						
	ODBC Administrator						
	Runtime File Requirements						
	Seagate Crystal Reports Developer's Help						
	Seagate Crystal Reports Help						
	Seagate Crystal Reports Readme						
	Winhelp.exe						
	Winhlp32.exe						
	NOTE						
	Do not install						
	Crystal Query Client						
	Crystal Query Server						
	Web Report Server						
	This role requires access to the network printer which should be configured on the KMS Admin Workstation						
KMS APPS SUP **Restricted Desktop Menu**	SQL Server 2000 Client Network Utility SQL Query Analyzer SQL Enterprise Manager SQL Profiler Utility	KMA Server	Read / Execute	PWYKMS	N/A	KMS Admin Workstation SD/DES/135	Application Support (SSC) CP3057 CP3058

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	SQL Server Books Online						
	Crystal Report Designer						
	Crystal SQL Designer						
	ODBC Administrator						
	Runtime File Requirements						
	Seagate Crystal Reports Developer's Help						
	Seagate Crystal Reports Help						
	Seagate Crystal Reports Readme						
	Winhelp.exe						
	Winhlp32.exe						
	Explorer.exe						
	Cmd.exe						
	MS Query						
	NT Event Viewer						
	Internet Explorer 5.5						
	NOTE: Do not install Crystal Query Client						
	Crystal Query Server						
	Web Reports Server						
	This role requires access to the network printer which						

	should be configured on the KMS Admin Workstation					

Secure Service Users

Service User Account Name	Domain Account Created In	Comments	Menu Type
ACDBsql	BOPSS	MSSQLServer and SQLServerAgent	None
OCMSsql		MSSQLServer and SQLServerAgent	None
KMSsql	PWYKMS	KMA SQL Service User	None
ACDBsql	WOPSS	MSSQLServer and SQLServerAgent	None
OCMSsql		MSSQLServer and SQLServerAgent	None