

ICL Pathway

Group Definitions for the Secure NT Build

Ref: RS/REQ/016

Version: 4.0

Date: 06/02/01

COMPANY IN CONFIDENCE**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.

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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	Document set to Approved.	
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	Issued for approval.	
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

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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 Pool 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 document 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	
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

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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

0.2 Approval Authorities

Name	Position	Signature	Date
Pete Dreweatt	Security Delivery Unit Manager		
Geoffery Vane	Security TDA		

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	1.0	19/08/99	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	0.5	08/10/00	TD/ION/029 – FTMS Configurations for AP Clients at CSR+	PVCS

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
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	<p>Appendix A OCMS User role</p> <p>Appendix B and C updated for GAPSSWAL, GAPSWELW & FTMSWELW</p> <p>Appendix A and B updated for GAPSNIIE & FTMSNIIE</p> <p>Appendix B and C updated for GAPSSSE</p> <p>Appendix A and C updated for GAPSKNBC and GAPSOXSS</p> <p>Appendix C updated</p> <p>Restricted Desktop Menu added to Appendix A</p> <p>Menu Type Column added to Appendices B & C</p> <p>Spaces removed for KMAService and InteractiveService service user names</p> <p>PWYKMS Domain Secure Role SSC APPS SUP renamed KMS SSC SUP</p>
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0.6 Changes Expected

Changes
All new APS Client CPs

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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]. CP2630 removes Roll Out Database and FRODB domain from the Secure Managed Environment and is now out of scope.

Roles used by SMC, SMG and Girobank are specifically excluded from this document as they 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.

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.

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.

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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 ➤ IE4.0 ➤ SQL Server Admin ➤ CMD prompt	B/W SLAM Domain User Access to Sequent	Read / Write / Execute	PWYDCS PWYHQ HUTHTIP FARNHAPS LEICHAPS PDRTIP	B/WSLAM	OSD NT Client PC Third Party Supplier PC	Application Support (OSD)
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	Normal Full NT Desktop	All Servers Assign as	Read / Execute	PWYDCS PWYHQ PWYKMS	SEQSUP ORASUP B/WSLAM	Server Console	Engineers (NT Data Centres)

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Desktop		member of power users group		PWYFTMS HUTHTIP FARNHAPS LEICHAPS PDRTIP	B/WPOCL B/WBOOT B/WOPSS PWYMAS BRASUP FELUSRS SIGF CONFMAN CORPPWY		
Security Managers Restricted Desktop Menu	<ul style="list-style-type: none"> ➤ NT User Manager ➤ SQL Server Admin ➤ SQL Server SecurityManager ➤ CMD prompt 	All Servers	Read / Write	PWYDCS PWYHQ PWYFTMS HUTHTIP FARNHAPS LEICHAPS PDRTIP	All	OSD NT Client PC Third Party Supplier PC	Security Management
KMS SYSADMs Restricted Desktop Menu	<ul style="list-style-type: none"> ➤ 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 configured on the KMS Admin Workstation 	All KMS Servers	Administrative	PWYKMS	N/A	KMS Admin Workstation SD/DES/135	Operational Management (OSD)
Operational	<ul style="list-style-type: none"> ➤ Compaq systems 	All Servers	Administrative	PWYDCS	All	OSD NT Client	Operational

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MAN Restricted Desktop Menu	<ul style="list-style-type: none"> ➤ 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 ➤ IE4.0 for access to Tivoli web ➤ NT resource kit remote console server ➤ PC Xware ➤ CMD prompt ➤ VPNDiagClient.exe ➤ Notepad ➤ SVPNTSTN.exe (Utimaco API Function Tool) 	Access to Sequent	Full	PWYHQ PWYFTMS HUTHTIP FARNHAPS LEICHAPS PDRTIP		PC Third Party Supplier PC	Management (OSD) Riposte Management
	Network Managers Restricted Desktop Menu	<ul style="list-style-type: none"> ➤ Telnet ➤ Router Configuration Software ➤ Network Diagnostic software 		PWYDCS	N/A	Network Client PC Third Party Supplier PC	Network Management Configurer

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	<ul style="list-style-type: none"> ➤ CMD prompt ➤ VPNDiagClient.exe 						
Sequent Support	<ul style="list-style-type: none"> ➤ PC Anywhere ➤ Hyper Terminal 	Access to Sequent	Read	PWYDCS	SEQSUP	Sequent Client PC	Sequent Support
Non Restricted Role at Present							
Oracle Support	<ul style="list-style-type: none"> ➤ Telnet 	Access to Sequent	Read	PWYDCS	ORASUP	Oracle Client PC	Oracle Support
Non Restricted Role at Present							
EMC Support	<ul style="list-style-type: none"> ➤ EMC proprietary ➤ Client software 	Access to Sequent	Read	PYWDCS	N/A	EMC Client PC	None
Non Restricted Role at Present							
SSC Apps MAN	CMD prompt	All Servers	Read / Write / Execute	PWYDCS	All	SSC NT Client PC	Application Support (SSC)
Restricted Desktop Menu	<ul style="list-style-type: none"> ➤ Tivoli Remote Console ➤ Rclient ➤ Rconsole ➤ RiposteGetMessage.exe ➤ RiposteIndex.exe ➤ RiposteNode.exe ➤ RiposteObjectSecurity. 	Also; Access to Sequent		PWYHQ PWYFTMS HUTHTIP FARNHAPS LEICHAPS PDRTIP		SD/DES/172	

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<ul style="list-style-type: none"> ➤ Exe ➤ RiposteObject.exe ➤ RipostePing.exe ➤ RipostePriorityMessage.exe ➤ RiposteQueryUK.exe ➤ RiposteNextMessage.exe ➤ RipostePutMessage.exe ➤ RiposteScanMessage. ➤ RiposteStatus.exe ➤ RODBCClient.exe ➤ SQLServer V6.5 client utilities ➤ ExCeed for Windows NT (V 6.1) ➤ Visual Basic I.D.E. <p>Telnet</p> <p><u>NT utilities</u></p> <ul style="list-style-type: none"> ➤ FTP (To Host Sequent, and other POCL Services) <p>Microsoft Diagnostics</p> <p>NT Event Viewer</p> <p>WinZip/Pkzip</p> <p>CD Rom writing software</p> <p>Textpad</p> <p>NotePad</p>							
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	Microsoft Word Microsoft Excel Microsoft Access Microsoft Explorer Internet Explorer (c/w SSC default links page) Full NT Control Panel Performance Monitor Registry editor <u>In-house Utilities</u> ➤ Archive Viewer ➤ Expiry Reporter ➤ Stops Reporter ➤ Formatted File Utility ➤ MessageStore Utility ➤ EndOfDay Reporter ➤ MessageStore Sort Utility <u>VPN Utilities</u> ➤ VPNDiagClient.exe ➤ SVPNTSTN.exe						
SSC Apps SUP	CMD prompt	All Servers	Read / Execute	PWYDCS PWYHQ PWYFTMS HUTHTIP FARNHAPS LEICHAPS	All	SSC NT Client PC	Application Support (SSC)
Restricted Desktop Menu	➤ Tivoli Remote Console ➤ Rclient ➤ Rconsole ➤ RiposteGetMessage.exe	Also; Access to Sequent				SD/DES/172	

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COMPANY IN CONFIDENCE

	<ul style="list-style-type: none"> ➤ RiposteIndex.exe ➤ RiposteNode.exe ➤ RiposteObject.exe ➤ RipostePing.exe ➤ RipostePriorityMessage.exe ➤ RiposteNextMessage.exe ➤ RiposteQueryUK.exe ➤ RiposteScanMessage.exe ➤ RiposteStatus.exe ➤ RODBCClient.exe ➤ SQLServer V6.5 client utilities ➤ ExCeed for Windows NT (V 6.1) ➤ Visual Basic I.D.E. <p>Telnet</p> <p><u>NT utilities</u></p> <ul style="list-style-type: none"> ➤ FTP (To Host Sequent, and other POCL Services) <p>Microsoft Diagnostics</p> <p>W Event Viewer</p> <p>WinZip/Pkzip</p> <p>CD Rom writing software</p> <p>Textpad</p> <p>Microsoft Word</p> <p>Microsoft Excel</p>			PDRTIP			
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	Microsoft Access Microsoft Explorer Internet Explorer (c/w SSC default links page) Full NT Control Panel CMD Prompt Performance Monitor <u>In-house Utilities</u> ➤ Archive Viewer ➤ Expiry Reporter ➤ Stops Reporter ➤ Formatted File Utility ➤ MessageStore Utility ➤ EndOfDay Reporter ➤ MessageStore Sort Utility VPN Utilities ➤ VPNDiagClient.exe						
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Group Name to be implemented	Tools	NT Servers	Access rights	Authentication Domain	Resource Domain access	Access Point	ACP Equivalent
Pathway Roles							
Auditors	Legato client.exe	Audit Archive and Retrieval Server	Read / Execute	PWYDCS	B/WOPSS	Audit PC	NAO Auditor
Restricted Desktop Menu	RiposteRQueryUK					SD/DES/140	POCL Auditor
	Oracle Discoverer	Correspondence Server					Pathway Business Functions Auditor
	Counter Determinant						

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	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						
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	Access to Correspondence Server	Read / Execute	PWYHQ	B/WOPSS	Business Support Client PC SD/DES/092	Business Support Pathway Management

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	Series (Helpdesk)						
SLAM Users Restricted Desktop Menu	CON SQL* Forms	B/WSLAM	Read / Execute	PWYHQ	B/WSLAM B/WOPSS (SSCSS svrs)	SLAM Client PC	Implicit in text
	CCS SQL* Forms Business Objects v4.1.1 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 CD ROM access CD ROM Writer & Software					SD/DES/181	
MIS BUS DEV Users Restricted Desktop Menu	Business Objects ➤ Business Universe Windows Explorer	B/WSLAM	Read / Execute	PWYHQ	B/WSLAM	SLAM Client PC	Implicit in text
	MS Word MS Excel Printer	Access to Data Warehouse				SD/DES/181	

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ECCO Users	MIG	As per SD/DES/016	Migration Agent Server	Read / Write / Execute	PWYMAS		ECCO Migration Laptop	None
Restricted Menu provided by MiECCO Laptop Shell							SD/DES/149	
CS Admin		APS User Maintenance	RDMC/RDDS	Read / Write / Execute	PWYDCS	FELUSRS	RDMC Administrator Workstation	Secure role previously known as RDMC Admin
Restricted Desktop Menu		RDMC Access Control					SD/DES/167	
		RDMC Interactive Data Loader						
		RDMC Release Manager						
		RDMC Reports						
		RDMC Send						
		MS Word						
		MS Excel						
		Winzip						
		Discoverer 2000						
		Shortcut pointing to MessageSubmissionApplication.exe						

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RDMC User Restricted Desktop Menu	RDMC Interactive Data Loader RDMC Release Manager RDMC Reports MS Word MS Excel Winzip Discoverer 2000 Shortcut pointing to MessageSubmissionApplication.exe	RDMC/RDDS	Read / Execute Read / Write / Execute	PWYDCS	FELUSRS	RDMC Administrator Workstation SD/DES/167 Note: As a result of CP2441, Paul Curley will operate 1 RDMC at BRA01 with MemoView Added to the workstation	
APS User Restricted Desktop Menu	APS Service Agreement Manager APS System Parameters APS Trans Except APS Client Service Manager MS Word MS Excel Winzip Discoverer 2000	APS	Read / Execute Read / Write / Execute	PWYDCS	FELUSRS	RDMC Administrator Workstation SD/DES/167	

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OCMS DBA	OCMS Client	OCMS Server	Read /	PWYDCS	BOPSS	OCMS Client	None
Restricted	SQL Server 6.5 Client	(ACDB server in	Execute within		WOPSS	PC	CP2591
Desktop Menu	Configuration Utility	BOPSS/WOPSS)	SQL DB		PWYFTMS	SD/DES/176	
	SQL Server 6.5 SP5a	FTMS Gateway					
	ODBC V2.65	in PWYFTMS					
	Business Objects V4.1.2a						
	Event Viewer						
	MS Backup						
	MS Query						
	Notepad						
	Performance Monitor						
	Wordpad						
	User Manager						
	Windows NT Explorer						
	Requires access to a locally						
	connected printer.						

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OCMS Users Restricted Desktop Menu	OCMS Client SQL Server 6.5 Client configuration Utility Business Objects V4.1.2a + Designer V4.1.2a + Supervisor V4.1.2a Note: The above BO functionality is only to be applied to one OCMS Client due to Licensing limitations. 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	PWYDCS	BOPSS WOPSS	OCMS Client PC SD/DES/176	None CP2033 CP2672 Secure role previously known as OCMS_Users
Security Auditors Restricted Desktop Menu	SecurID admin.client Event Viewer Tivoli Web Browser MS Access	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
Pathway SECMAN Restricted Desktop Menu	SecurID admin.client Event Viewer Tivoli Web Browser MS Access	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 Manager

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Key Managers Restricted Desktop Menu	KMA GUI NT Event Viewer	KMA Server	Read / Execute	PWYKMS	N/A	KMA Workstation	Cryptographic Key Manager
	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					SD/DES/134	
Data Managers Restricted Desktop Menu	KMA GUI NT Event Viewer	KMA Server	Read / Execute	PWYKMS	N/A	KMA Workstation	KMA Data Manager
						SD/DES/134	

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	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 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

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	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 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 Seagate Crystal Reports Help Seagate Crystal Reports Readme Winhelp.exe Winhlp32.exe	KMA Server	Read / Execute	PWYKMS	N/A	KMS Admin Workstation SD/DES/135	Database Administrator

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

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	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 the network printer which should be configured on the KMS Admin Workstation	KMA Server	Read / Execute	PWYKMS	N/A	KMS Admin Workstation SD/DES/135	NAO Auditor POCL Auditor Pathway Business Functions Auditor
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

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GAPSOXSS	Windows Explorer	MOXRAP01 MOXRAP02	Read / Execute	PWYFTMS	N/A	Remote APS Gateway for Oxfordshire Social Services TD/ION/029	None
Restricted Desktop Menu	Must be able to access Floppy Disc Drive and D: Drive						
GAPSNIE	Windows Explorer	MSHRAP01 MSHRAP02	Read / Execute	PWYFTMS	N/A	Remote APS Gateway for Northern Ireland Electricity TD/ION/029	None
Restricted Desktop Menu	Must be able to access Floppy Disc Drive and D: Drive						

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

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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	HUTH TIP	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
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 APS User for BGT client	Null Menu
FTMSCQO		FTMS APS User for CQO client	Null Menu
FTMSMDKW		FTMS APS User for Mid Kent Water	Null Menu

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COMPANY IN CONFIDENCE

FTMSHCC		client	Null Menu
FTMSYE		FTMS APS User for Hampshire CC client	Null Menu
FTMSKNBC			Null Menu
FTMSGIRO		FTMS APS User for Yorkshire Elec client	Null Menu
FTMSMAN		FTMS APS User for Knowsley BC client	Null Menu
FTMSSTEV		FTMS APS User for GiroBank client	Null Menu
FTMSUKSS		FTMS Service User for OBCS	Null Menu
FTMSOXSS		FTMS Service User for OBCS	Null Menu
FTMSSSE		FTMS Service User for OCMS/RDMC	Null Menu
FTMSNIE		FTMS Service User for Oxford SS client	Null Menu
FTMSWELW		FTMS Service User for Scottish & Southern Energy client	Null Menu
		FTMS Service User for Northern Ireland Electricity client	
		FTMS Service User for SWALEC & Welsh Water	
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
MAESTRO	PWYMAS	MAESTRO User	None
MiECCOAdmin		Administrator Privileged Service	None

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COMPANY IN CONFIDENCE

		Account	
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

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COMPANY IN CONFIDENCE

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
APSMDBW (GAPSMDBW)			Null Menu
APSHCC (GAPSHCC)			Null Menu
APSSCC (GAPSSCC)			Null Menu
APSYE (GAPSYE)			Null Menu

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COMPANY IN CONFIDENCE

APSSSE (GAPSSE)			Null Menu
APSSWAL (GAPSSWAL)			Null Menu
APSWELW (GAPSWELW)			Null Menu
OCMSUKSS (GOCMSUKSS)			Null Menu
OBCSSTEV (GOBCSSTEV)			Null Menu
OBCSMAN (GOBCSMAN)			Null Menu
OCMSUKSS (GOCMSUKSS)			Null Menu
RDMCUKSS(GRDMCUKSS)			Null Menu