EPIC™
RESEARCH DIAGNOSTICS

ClearView Shell
Product Requirements Matrix

ORIGINATOR:

Name	Job Title	Signature	Date
Scott Pletzer	Director of Quality & Program Management		18MAY12

APPROVALS:

Name	Job Title	Signature	Date
Brian Cullinan	Software Developer		5/18/12
Andrew Mason	Chief Technology Officer		5/18/12

REVISION HISTORY
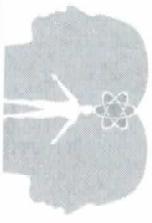
Revision	Revision Date	Reason for Revision/Change Request	Revised By
000	18May12	Initial Release	S. Pletzer

ClearView Shell
Product Requirements Matrix

Software (SR)

Ref. #	Requirement	Source of Requirement	Design Inputs (Specification)	Verification Methodology	Design Outputs (Verification Results)	Validation Results	Status
SR-004 4.1	Shall run under windows XP or windows 7.	Internally initiated and developed by IT group to limit the access and ability to misuse the ClearView system	The EPIC Shell uses Windows API calls that are completed compatible with Windows XP and Windows 7.	• ClearView Shell Software Verification Record completed 20Apr12 • ENG-030, ClearView Shell Verification and Validation – Version 1.0	ENG-030, ClearView Shell Verification and Validation – Version 1.0		
SR-004 4.2	Windows login security shall be used for access control to limit the access and ability to the computer before getting to the EPIC shell.	Internally initiated and developed by IT group to limit the access and ability to misuse the ClearView system	The default Windows logon mechanism is used to access the shell, when the username and password is entered, the Shell is opened after the user logs in.	• ClearView Shell Software Verification Record completed 20Apr12 • ENG-030, ClearView Shell Verification and Validation – Version 1.0	ENG-030, ClearView Shell Verification and Validation – Version 1.0		
SR-004 4.3	The shell should be used for some windows logins, but not others. The administrator login shall not use the EPIC shell.	Internally initiated and developed by IT group to limit the access and ability to misuse the ClearView system	The shell can be configured for individual logins by following the instructions in IT-011.	• ClearView Shell Software Verification Record completed 20Apr12 • ENG-030, ClearView Shell Verification and Validation – Version 1.0	ENG-030, ClearView Shell Verification and Validation – Version 1.0		
SR-004 4.4	When a user logs in, the shell shall automatically start.	Internally initiated and developed by IT group to limit the access and ability to misuse the ClearView system	The shell starts for a particular user automatically by setting Shell in the Windows Registry.	• ClearView Shell Software Verification Record completed 20Apr12 • ENG-030, ClearView Shell Verification and Validation – Version 1.0	ENG-030, ClearView Shell Verification and Validation – Version 1.0		
SR-004 4.5	The shell shall cover the complete screen area and not be resizable.	Internally initiated and developed by IT group to limit the access and ability to misuse the ClearView system	The shell launches as a task bar application that fits the width of the screen. It configures windows to fill the screen size minus the size of the taskbar when not in Auto-hide mode.	• ClearView Shell Software Verification Record completed 20Apr12 • ENG-030, ClearView Shell Verification and Validation – Version 1.0	ENG-030, ClearView Shell Verification and Validation – Version 1.0		

EPIC™
RESEARCH
DIAGNOSTICS

Software (SR)

Ref. #	Requirement	Source of Requirement	Design Inputs (Specification)	Verification Methodology	Design Outputs (Verification Results)	Validation Results	Status
SR-004 4.6	The shell shall not have any border, not window controls on it (minimize, maximize, close).	Internally initiated and developed by IT group to limit the access and ability to misuse the ClearView system	There are no options to close out of the shell; it only displaces a taskbar and the Windows background.	• ClearView Shell Software Verification Record completed 20Apr12 – Version 1.0 • ENG-030, ClearView Shell Verification and Validation – Version 1.0	ENG-030, ClearView Shell Verification and Validation – Version 1.0		
SR-004 4.7	The user shall have no access to task manager.	Internally initiated and developed by IT group to limit the access and ability to misuse the ClearView system	The Task Manager is disabled using a registry key.	• ClearView Shell Software Verification Record completed 20Apr12 – Version 1.0 • ENG-030, ClearView Shell Verification and Validation – Version 1.0	ENG-030, ClearView Shell Verification and Validation – Version 1.0		
SR-004 4.8	The shell shall not be able to be closed (e.g. by using ALT+F4), other than by restarting or shutting down the computer.	Internally initiated and developed by IT group to limit the access and ability to misuse the ClearView system	The only options for the shell are to launch ClearView, Log-off, shutdown, or edit the settings. It cannot be closed otherwise. Exit is only down to administrator accounts.	• ClearView Shell Software Verification Record completed 20Apr12 – Version 1.0 • ENG-030, ClearView Shell Verification and Validation – Version 1.0	ENG-030, ClearView Shell Verification and Validation – Version 1.0		
SR-004 4.9	The shell shall contain a start button in the lower left corner of the screen like windows does.	Internally initiated and developed by IT group to limit the access and ability to misuse the ClearView system	The start button in the lower left corner is shown above.	• ClearView Shell Software Verification Record completed 20Apr12 – Version 1.0 • ENG-030, ClearView Shell Verification and Validation – Version 1.0	ENG-030, ClearView Shell Verification and Validation – Version 1.0		
SR-004 4.10	The shell shall contain a static task bar that will optionally collapse.	Internally initiated and developed by IT group to limit the access and ability to misuse the ClearView system	The taskbar can be optionally hidden by right clicking the taskbar and checking the Auto-hide option.	• ClearView Shell Software Verification Record completed 20Apr12 – Version 1.0 • ENG-030, ClearView Shell Verification and Validation – Version 1.0	ENG-030, ClearView Shell Verification and Validation – Version 1.0		

ClearView Shell
Product Requirements Matrix

Software (SR)

Ref. #	Requirement	Source of Requirement	Design Inputs (Specification)	Verification Methodology	Design Outputs (Verification Results)	Validation Results	Status
SR-004 4.11	The shell shall display the time in the lower right corner of the task bar as windows currently does, using the proper culture settings.	Internally initiated and developed by IT group to limit the access and ability to misuse the ClearView system	The time is extracted from Windows and will reflect whatever cultural settings are set by the administrator.	• ClearView Shell Software Verification Record completed 20Apr12 • ENG-030, ClearView Shell Verification and Validation – Version 1.0	ENG-030, ClearView Shell Verification and Validation – Version 1.0		
SR-004 4.12	Clicking on the start button shall present the user with two options: • EPIC ClearView • Shutdown	Internally initiated and developed by IT group to limit the access and ability to misuse the ClearView system	As shown in 4.9, Exit is only displayed to administrators for convenience. Log-off and shutdown can be used. ClearView opens the program specified in the Settings dialog.	• ClearView Shell Software Verification Record completed 20Apr12 • ENG-030, ClearView Shell Verification and Validation – Version 1.0	ENG-030, ClearView Shell Verification and Validation – Version 1.0		
SR-004 4.13	A ClearView icon shall appear in the middle of the shell program.	Internally initiated and developed by IT group to limit the access and ability to misuse the ClearView system	In the settings dialog, "Set desktop background" can be checked, this calls the Windows API function SystemParametersInfo with the option SPI_SETDESKWALLPAPER. It also sets the desktop background in the registry and directs the Wallpaper setting to %UserProfile%\clearview.bmp.	• ClearView Shell Software Verification Record completed 20Apr12 • ENG-030, ClearView Shell Verification and Validation – Version 1.0	ENG-030, ClearView Shell Verification and Validation – Version 1.0		
SR-004 4.14	Access to printer setup shall be allowed.	Internally initiated and developed by IT group to limit the access and ability to misuse the ClearView system	Access to printer configuration can be done by logging in as EPICAdministrator where the shell is not present.	• ClearView Shell Software Verification Record completed 20Apr12 • ENG-030, ClearView Shell Verification and Validation – Version 1.0	ENG-030, ClearView Shell Verification and Validation – Version 1.0		

ClearView Shell
Product Requirements Matrix

Software (SR)

Ref. #	Requirement	Source of Requirement	Design Inputs (Specification)	Verification Methodology	Design Outputs (Verification Results)	Validation Results	Status
SR-004 4.15	Access to network configuration shall be allowed.	Internally initiated and developed by IT group to limit the access and ability to misuse the ClearView system	Access to network configuration can be done by logging in as EPICAdministrator where the shell is not present.	• ClearView Shell Software Verification Record completed 20Apr12 • ENG-030, ClearView Shell Verification and Validation – Version 1.0	ENG-030, ClearView Shell Verification and Validation – Version 1.0		