Business Unit MR

CS DICOMConfig Tool

Voxel

*Approver (User): Component Engineer, Subsystem Owner*

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# Introduction

## Purpose

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| INFO 80848  Rev: 1  **✓** | Purpose  Model: [] FS: [] GS: [] Options: [] Quality Attributes: [] Type of Test: []  Signatures: Signed by: Krishnakumar, Ashwin (ing02466) on 2020-05-21 12:10:50 Meaning: QA Approved - (QA)::Bulk Transitions Signed by: Nalwaya, Shailendra (ing12412) on 2020-05-21 10:37:06 Meaning: SME Approved - (Business)::Bulk Transitions Signed by: Aithal K, Adhish (310211266) on 2020-05-21 09:35:55 Meaning: SME Approved - (Technical)::Bulk Transitions  Approval Status: [Approved]  The purpose of this document is to describe the Component requirements of DICOM Config Tool |

## Scope

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| INFO 80741  Rev: 1  **✓** | Scope  Model: [] FS: [] GS: [] Options: [] Quality Attributes: [] Type of Test: []  Signatures: Signed by: Krishnakumar, Ashwin (ing02466) on 2020-05-21 12:10:53 Meaning: QA Approved - (QA)::Bulk Transitions Signed by: Nalwaya, Shailendra (ing12412) on 2020-05-21 10:37:12 Meaning: SME Approved - (Business)::Bulk Transitions Signed by: Aithal K, Adhish (310211266) on 2020-05-21 09:35:58 Meaning: SME Approved - (Technical)::Bulk Transitions  Approval Status: [Approved]  This document covers the Functional and UI requirements of DICOM Config Tool |

## References

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| INFO 98089  Rev: 1  **✓** | References\_Voxel  Model: [] FS: [] GS: [] Options: [] Quality Attributes: [] Type of Test: []  Signatures: Signed by: C, Arun (320177396) on 2025-06-03 06:59:31 Meaning: QA Approved - (QA) Signed by: Nalwaya, Shailendra (ing12412) on 2025-06-03 03:07:47 Meaning: SME Approved - (Business)::Bulk Transitions Signed by: Singh, Prashant (320041288) on 2025-06-02 18:56:54 Meaning: SME Approved - (Technical)  Approval Status: [Approved]   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Reference** | **Doc.Number** | **Author** | **Title** | **Revision** | | [1] | D002015285 | Chandralatha Channakeshava | UserWorkflow SubSystem Requirements (SSRQ) | A | |

## Terms, Definitions and Abbreviations

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| INFO 80743  Rev: 1  **✓** | Terms, Definitions & Abbreviations  Model: [] FS: [] GS: [] Options: [] Quality Attributes: [] Type of Test: []  Signatures: Signed by: Krishnakumar, Ashwin (ing02466) on 2020-05-21 14:34:30 Meaning: QA Approved - (QA) Signed by: Nalwaya, Shailendra (ing12412) on 2020-05-21 14:27:36 Meaning: SME Approved - (Business) Signed by: Aithal K, Adhish (310211266) on 2020-05-21 13:36:38 Meaning: SME Approved - (Technical)  Approval Status: [Approved]   |  |  | | --- | --- | | Term | Explanation | | AE | Application Entity | | DICOM | Digital Imaging and Communications in Medicine | | RIS | Radiology Information System | | PACS | Picture Archiving and Communication System | | MR | Magnetic Resonance | | LUT | Look Up Table | | ADC | Apparent Diffusion Coefficient | |

# Component Overview

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| INFO 80837  Rev: 1  **✓** | Product Perspective  Model: [] FS: [] GS: [] Options: [] Quality Attributes: [] Type of Test: []  Signatures: Signed by: Krishnakumar, Ashwin (ing02466) on 2020-05-21 12:11:05 Meaning: QA Approved - (QA)::Bulk Transitions Signed by: Nalwaya, Shailendra (ing12412) on 2020-05-21 10:37:30 Meaning: SME Approved - (Business)::Bulk Transitions Signed by: Aithal K, Adhish (310211266) on 2020-05-21 09:36:06 Meaning: SME Approved - (Technical)::Bulk Transitions  Approval Status: [Approved]  DICOM Configuration functionality enables User to set up a DICOM node and the available network nodes connected to the MR console  as part of the hospital network, and provide information about their status.Allows User to add new nodes, modify existing nodes and delete obsolete network nodes from the list. |
| INFO 80838  Rev: 1  **✓** | User Characteristics  Model: [] FS: [] GS: [] Options: [] Quality Attributes: [] Type of Test: []  Signatures: Signed by: Krishnakumar, Ashwin (ing02466) on 2020-05-21 12:11:07 Meaning: QA Approved - (QA)::Bulk Transitions Signed by: Nalwaya, Shailendra (ing12412) on 2020-05-21 10:37:35 Meaning: SME Approved - (Business)::Bulk Transitions Signed by: Aithal K, Adhish (310211266) on 2020-05-21 09:36:08 Meaning: SME Approved - (Technical)::Bulk Transitions  Approval Status: [Approved]  A standard New System UI operator should be able to use the feature. |

# Component Specifications

## Functional Specifications

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| SPEC 78975  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.SendTestSeries.TestSeriesProcessCancel  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [] Type of Test: [N.A.]  Signatures: Signed by: Hore, Malancha (320005896) on 2020-02-19 18:35:55 Meaning: QA Approved - (QA) Signed by: Nalwaya, Shailendra (ing12412) on 2020-02-19 16:20:08 Meaning: SME Approved - (Business)::Bulk Transitions Signed by: Aithal K, Adhish (310211266) on 2020-02-19 16:15:21 Meaning: SME Approved - (Technical)::Bulk Transitions  Approval Status: [Approved]  DICOM configuration tool shall provide an option to cancel the ongoing send test series process.  Background: |
| SPEC 78956  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.DICOMNodeStatus  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [] Type of Test: [N.A.]  Signatures: Signed by: Hore, Malancha (320005896) on 2020-02-20 11:26:58 Meaning: QA Approved - (QA) Signed by: Aithal K, Adhish (310211266) on 2020-02-20 10:52:21 Meaning: SME Approved - (Technical)::Bulk Transitions Signed by: Nalwaya, Shailendra (ing12412) on 2020-02-20 10:49:55 Meaning: SME Approved - (Business)::Bulk Transitions  Approval Status: [Approved]  DICOM ConfigurationTool shall show the connectivity status of all the DICOM nodes added from the tool/PSC  Background: |
| SPEC 78958  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.AddNewPACSNode  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [] Type of Test: [N.A.]  Signatures: Signed by: Hore, Malancha (320005896) on 2020-02-20 11:27:24 Meaning: QA Approved - (QA) Signed by: Aithal K, Adhish (310211266) on 2020-02-20 10:52:22 Meaning: SME Approved - (Technical)::Bulk Transitions Signed by: Nalwaya, Shailendra (ing12412) on 2020-02-20 10:49:56 Meaning: SME Approved - (Business)::Bulk Transitions  Approval Status: [Approved]  DICOM configuration tool shall allow to add a new PACS node  Background: |
| SPEC 78959  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.TransferMode  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [] Type of Test: [N.A.]  Signatures: Signed by: Hore, Malancha (320005896) on 2020-02-19 18:28:05 Meaning: QA Approved - (QA) Signed by: Nalwaya, Shailendra (ing12412) on 2020-02-19 16:19:50 Meaning: SME Approved - (Business)::Bulk Transitions Signed by: Aithal K, Adhish (310211266) on 2020-02-19 16:15:03 Meaning: SME Approved - (Technical)::Bulk Transitions  Approval Status: [Approved]  DICOM configuration tool shall allow transfer for PACS and Network node in below formats:  1. Classic  2. Enhanced  Background: |
| SPEC 78960  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool..TransferMode.Classic.AllowedOptions  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [] Type of Test: [N.A.]  Signatures: Signed by: Hore, Malancha (320005896) on 2020-02-20 11:27:43 Meaning: QA Approved - (QA) Signed by: Aithal K, Adhish (310211266) on 2020-02-20 10:52:24 Meaning: SME Approved - (Technical)::Bulk Transitions Signed by: Nalwaya, Shailendra (ing12412) on 2020-02-20 10:49:58 Meaning: SME Approved - (Business)::Bulk Transitions  Approval Status: [Approved]  DICOM configuration tool shall allow below option for PACS/Network nodes in classic transfer mode  1. Disable Presentation state  2. MR Combine rescaling  3. Split series  4. No LUT-2-RGB Conversion  5. ADC correction  Background: |
| SPEC 78961  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.TransferMode.Classic.SplitSeriesIsEnabled  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [] Type of Test: [N.A.]  Signatures: Signed by: Hore, Malancha (320005896) on 2020-02-19 18:28:29 Meaning: QA Approved - (QA) Signed by: Nalwaya, Shailendra (ing12412) on 2020-02-19 16:19:53 Meaning: SME Approved - (Business)::Bulk Transitions Signed by: Aithal K, Adhish (310211266) on 2020-02-19 16:15:06 Meaning: SME Approved - (Technical)::Bulk Transitions  Approval Status: [Approved]  DICOM configuration tool shall allow to select one of the below sub options when Split Series is selected  1. Eco Dynamic/Diffusion  2. Image type/Scanning sequence  Background: |
| SPEC 78962  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.TransferMode.Enhanced.AllowedOptions  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [] Type of Test: [N.A.]  Signatures: Signed by: Hore, Malancha (320005896) on 2020-02-20 11:28:00 Meaning: QA Approved - (QA) Signed by: Aithal K, Adhish (310211266) on 2020-02-20 10:52:25 Meaning: SME Approved - (Technical)::Bulk Transitions Signed by: Nalwaya, Shailendra (ing12412) on 2020-02-20 10:50:00 Meaning: SME Approved - (Business)::Bulk Transitions  Approval Status: [Approved]  DICOM configuration tool shall allow below option for PACS/Network nodes in  Enhanced transfer mode  1.Disable Presentation state  2.No LUT-2-RGB Conversion  3.ADC correction  Background: |
| SPEC 78963  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.AddNewNode.EmptyField  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [] Type of Test: [N.A.]  Signatures: Signed by: Hore, Malancha (320005896) on 2020-02-19 18:30:08 Meaning: QA Approved - (QA) Signed by: Nalwaya, Shailendra (ing12412) on 2020-02-19 16:19:56 Meaning: SME Approved - (Business)::Bulk Transitions Signed by: Aithal K, Adhish (310211266) on 2020-02-19 16:15:09 Meaning: SME Approved - (Technical)::Bulk Transitions  Approval Status: [Approved]  DICOM configuration tool shall display a warning when below mandatory fields are not provided by the user  1. Name  2. HostName/IP Address  3. Port Number  4. AE Title  Background: |
| SPEC 78964  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.AddNewNetworkNode  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [] Type of Test: [N.A.]  Signatures: Signed by: Hore, Malancha (320005896) on 2020-02-20 11:28:20 Meaning: QA Approved - (QA) Signed by: Aithal K, Adhish (310211266) on 2020-02-20 10:52:26 Meaning: SME Approved - (Technical)::Bulk Transitions Signed by: Nalwaya, Shailendra (ing12412) on 2020-02-20 10:50:01 Meaning: SME Approved - (Business)::Bulk Transitions  Approval Status: [Approved]  DICOM configuration tool shall allow to add a new Network node  Background: |
| SPEC 78965  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.AddNewRISNode  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [] Type of Test: [N.A.]  Signatures: Signed by: Hore, Malancha (320005896) on 2020-02-20 11:28:34 Meaning: QA Approved - (QA) Signed by: Aithal K, Adhish (310211266) on 2020-02-20 10:52:28 Meaning: SME Approved - (Technical)::Bulk Transitions Signed by: Nalwaya, Shailendra (ing12412) on 2020-02-20 10:50:03 Meaning: SME Approved - (Business)::Bulk Transitions  Approval Status: [Approved]  DICOM configuration tool shall allow to add a new RIS node  Background: |
| SPEC 78966  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.DICOMNodeEdit  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [] Type of Test: [N.A.]  Signatures: Signed by: Hore, Malancha (320005896) on 2020-02-19 18:30:38 Meaning: QA Approved - (QA) Signed by: Nalwaya, Shailendra (ing12412) on 2020-02-19 16:20:00 Meaning: SME Approved - (Business)::Bulk Transitions Signed by: Aithal K, Adhish (310211266) on 2020-02-19 16:15:13 Meaning: SME Approved - (Technical)::Bulk Transitions  Approval Status: [Approved]  DICOM configuration tool shall allow to edit the details of a DICOM node(PACS/Network/RIS)  Background: |
| SPEC 78967  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.Edit.Reset  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [] Type of Test: [N.A.]  Signatures: Signed by: Hore, Malancha (320005896) on 2020-02-19 18:30:58 Meaning: QA Approved - (QA) Signed by: Nalwaya, Shailendra (ing12412) on 2020-02-19 16:20:02 Meaning: SME Approved - (Business)::Bulk Transitions Signed by: Aithal K, Adhish (310211266) on 2020-02-19 16:15:15 Meaning: SME Approved - (Technical)::Bulk Transitions  Approval Status: [Approved]  DICOM configuration tool shall allow to reset the changes to previous values  Background: |
| SPEC 78968  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.Discard  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [] Type of Test: [N.A.]  Signatures: Signed by: Hore, Malancha (320005896) on 2020-02-20 11:28:48 Meaning: QA Approved - (QA) Signed by: Aithal K, Adhish (310211266) on 2020-02-20 10:52:29 Meaning: SME Approved - (Technical)::Bulk Transitions Signed by: Nalwaya, Shailendra (ing12412) on 2020-02-20 10:50:04 Meaning: SME Approved - (Business)::Bulk Transitions  Approval Status: [Approved]  DICOM configuration tool shall provide an option to discard the changes  Background: |
| SPEC 78969  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.DICOMNodeUniquename  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [] Type of Test: [N.A.]  Signatures: Signed by: Hore, Malancha (320005896) on 2020-02-20 11:29:01 Meaning: QA Approved - (QA) Signed by: Aithal K, Adhish (310211266) on 2020-02-20 10:52:30 Meaning: SME Approved - (Technical)::Bulk Transitions Signed by: Nalwaya, Shailendra (ing12412) on 2020-02-20 10:50:06 Meaning: SME Approved - (Business)::Bulk Transitions  Approval Status: [Approved]  DICOM configuration tool shall prevent addition of DICOM nodes with duplicate names    Background: |
| SPEC 78970  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.Refresh  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [] Type of Test: [N.A.]  Signatures: Signed by: Hore, Malancha (320005896) on 2020-02-20 11:29:14 Meaning: QA Approved - (QA) Signed by: Aithal K, Adhish (310211266) on 2020-02-20 10:52:32 Meaning: SME Approved - (Technical)::Bulk Transitions Signed by: Nalwaya, Shailendra (ing12412) on 2020-02-20 10:50:07 Meaning: SME Approved - (Business)::Bulk Transitions  Approval Status: [Approved]  DICOM configuration tool provide option to refresh the DICOM nodes  Background: |
| SPEC 78971  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.SaveSettings  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [] Type of Test: [N.A.]  Signatures: Signed by: Hore, Malancha (320005896) on 2020-02-20 11:29:28 Meaning: QA Approved - (QA) Signed by: Aithal K, Adhish (310211266) on 2020-02-20 10:52:33 Meaning: SME Approved - (Technical)::Bulk Transitions Signed by: Nalwaya, Shailendra (ing12412) on 2020-02-20 10:50:09 Meaning: SME Approved - (Business)::Bulk Transitions  Approval Status: [Approved]  DICOM Configuration tool shall perform a DICOM test while saving settings for added/modified node  Background: |
| SPEC 78972  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.Delete  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [] Type of Test: [N.A.]  Signatures: Signed by: Hore, Malancha (320005896) on 2020-02-19 18:31:53 Meaning: QA Approved - (QA) Signed by: Nalwaya, Shailendra (ing12412) on 2020-02-19 16:20:04 Meaning: SME Approved - (Business)::Bulk Transitions Signed by: Aithal K, Adhish (310211266) on 2020-02-19 16:15:16 Meaning: SME Approved - (Technical)::Bulk Transitions  Approval Status: [Approved]  DICOM configuration tool shall provide an option to delete a DICOM node (PACS/Network/RIS)  Background: |
| SPEC 78973  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.SendTestSeries.TestSeriesProcessSuccess  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [] Type of Test: [N.A.]  Signatures: Signed by: Hore, Malancha (320005896) on 2020-02-19 18:33:26 Meaning: QA Approved - (QA) Signed by: Nalwaya, Shailendra (ing12412) on 2020-02-19 16:20:05 Meaning: SME Approved - (Business)::Bulk Transitions Signed by: Aithal K, Adhish (310211266) on 2020-02-19 16:15:18 Meaning: SME Approved - (Technical)::Bulk Transitions  Approval Status: [Approved]  DICOM configuration tool shall provide an option to send test series to verify correct transfer of series to already configured DICOM node  Background: |
| SPEC 78974  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationToolSendTestSeries.TestSeriesProcessFail  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [] Type of Test: [N.A.]  Signatures: Signed by: Hore, Malancha (320005896) on 2020-02-19 18:35:29 Meaning: QA Approved - (QA) Signed by: Nalwaya, Shailendra (ing12412) on 2020-02-19 16:20:07 Meaning: SME Approved - (Business)::Bulk Transitions Signed by: Aithal K, Adhish (310211266) on 2020-02-19 16:15:19 Meaning: SME Approved - (Technical)::Bulk Transitions  Approval Status: [Approved]  DICOM configuration tool shall provide an option to send the test series again in case the process Fails.  Background: |
| SPEC 87199  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.LocalHostDetails  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [N.A.] Type of Test: [N.A.]  Signatures: Signed by: T, Premalatha (320096331) on 2022-02-24 16:03:12 Meaning: QA Approved - (QA) Signed by: Singh, Prashant (320041288) on 2022-02-24 10:56:26 Meaning: SME Approved - (Technical) Signed by: Nalwaya, Shailendra (ing12412) on 2022-02-24 10:41:21 Meaning: SME Approved - (Business)  Approval Status: [Approved]  DICOM configuration tool shall display local host aetitle, port number and hostname.  Background:  N.A |
| SPEC 87811  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.DicomNode.PasswordProtected  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [N.A.] Type of Test: [N.A.]  Signatures: Signed by: T, Premalatha (320096331) on 2022-02-25 16:48:47 Meaning: QA Approved - (QA) Signed by: Nalwaya, Shailendra (ing12412) on 2022-02-23 20:03:04 Meaning: SME Approved - (Business) Signed by: PM, Saleel (310305347) on 2022-02-23 07:17:06 Meaning: SME Approved - (Technical)  Approval Status: [Approved]  DICOM configuration tool shall support password protection for Dicom node operation.    Background:  N.A |
| SPEC 89969  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.HelpWithShortcutKeyF1  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [N.A.] Type of Test: [N.A.]  Signatures: Signed by: T, Premalatha (320096331) on 2022-08-01 12:16:28 Meaning: QA Approved - (QA) Signed by: PM, Saleel (310305347) on 2022-08-01 12:04:17 Meaning: SME Approved - (Technical) Signed by: Nalwaya, Shailendra (ing12412) on 2022-08-01 08:08:20 Meaning: SME Approved - (Business)  Approval Status: [Approved]  DICOM config Tool shall display the relevant Help content when F1 is key pressed  Background:  N.A |

### Device Templates

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| SPEC 83544  Rev: 1  **✓** | SWCMP.UW.Connectivity.Template.Pacs  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [N.A.] Type of Test: [Development Test]  Signatures: Signed by: T, Premalatha (320096331) on 2021-08-12 16:27:56 Meaning: QA Approved - (QA) Signed by: P, Shruthi (310263812) on 2021-08-12 13:55:12 Meaning: SME Approved - (Technical) Signed by: Aithal K, Adhish (310211266) on 2021-08-12 10:29:03 Meaning: SME Approved - (Business)::Bulk Transitions  Approval Status: [Approved]  System shall allow to confgure different PACS devices as DICOM Nodes and allow supported operations for same.  Background:  NA |
| SPEC 83545  Rev: 1  **✓** | SWCMP.UW.Connectivity.Template.Workstation  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [N.A.] Type of Test: [Development Test]  Signatures: Signed by: T, Premalatha (320096331) on 2021-08-12 16:28:43 Meaning: QA Approved - (QA) Signed by: P, Shruthi (310263812) on 2021-08-12 13:57:51 Meaning: SME Approved - (Technical) Signed by: Aithal K, Adhish (310211266) on 2021-08-12 10:29:04 Meaning: SME Approved - (Business)::Bulk Transitions  Approval Status: [Approved]  System shall allow to confgure different workstations as DICOM Nodes and allow supported operations for same.  Background:  NA |
| SPEC 83547  Rev: 1  **✓** | SWCMP.UW.Connectivity.Template.Other  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [N.A.] Type of Test: [Development Test]  Signatures: Signed by: T, Premalatha (320096331) on 2021-08-12 16:29:24 Meaning: QA Approved - (QA) Signed by: P, Shruthi (310263812) on 2021-08-12 13:59:53 Meaning: SME Approved - (Technical) Signed by: Aithal K, Adhish (310211266) on 2021-08-12 10:29:06 Meaning: SME Approved - (Business)::Bulk Transitions  Approval Status: [Approved]  System shall allow user to configured other devices (Therapy Node, Remote Philips machine, Other MPPS Node, Other DICOM devices) as DICOM Node and allow supported operations for same.  Background:  NA |

### Auto Export Media Device Configuration

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| SPEC 86857  Rev: 1  **✓** | SWCMP.UW.MediaDeviceConfiguration.AutoExportMediaDeviceAccessibility  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [N.A.] Type of Test: [N.A.]  Signatures: Signed by: T, Premalatha (320096331) on 2021-10-27 10:20:26 Meaning: QA Approved - (QA) Signed by: P, Shruthi (310263812) on 2021-10-27 09:54:23 Meaning: SME Approved - (Technical) Signed by: Nalwaya, Shailendra (ing12412) on 2021-10-26 16:02:53 Meaning: SME Approved - (Business)::Bulk Transitions  Approval Status: [Approved]  Auto export media device configuation tool shall be accessible in MRUser, MRService and MR Development user login.  Background:  N.A |
| SPEC 86858  Rev: 1  **✓** | SWCMP.UW.MediaDeviceConfiguration.AutoExportMediaDeviceConfiguration  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [N.A.] Type of Test: [N.A.]  Signatures: Signed by: T, Premalatha (320096331) on 2021-10-27 10:21:11 Meaning: QA Approved - (QA) Signed by: P, Shruthi (310263812) on 2021-10-27 09:55:16 Meaning: SME Approved - (Technical) Signed by: Nalwaya, Shailendra (ing12412) on 2021-10-26 16:02:56 Meaning: SME Approved - (Business)::Bulk Transitions  Approval Status: [Approved]  Auto Push Media device configuration shall enable user to configure the Media device with user defined path.  Background:  N.A |

### Secure Node Configuration

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| SPEC 96863  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.SecureNodeConfiguration.AddNode  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [N.A.] Type of Test: [N.A.]  Signatures: Signed by: C, Arun (320177396) on 2025-05-19 15:18:05 Meaning: QA Approved - (QA)::Bulk Transitions Signed by: Singh, Prashant (320041288) on 2025-05-19 13:40:01 Meaning: SME Approved - (Business)::Bulk Transitions Signed by: Tumati, Pradyutha (320066472) on 2025-05-16 16:09:56 Meaning: SME Approved - (Technical)::Bulk Transitions  Approval Status: [Approved]  System shall provide capability to create one or more secure nodes with TLS certificates in Dicom config tool when 'SW Bit 241: Fleet Management' is enabled and with the presence of active private key.  Please note the configuration file will be saved in xml format.  Background:  NA |
| SPEC 96864  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.SecureNodeConfiguration.SaveNode  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [N.A.] Type of Test: [N.A.]  Signatures: Signed by: C, Arun (320177396) on 2025-05-19 15:18:06 Meaning: QA Approved - (QA)::Bulk Transitions Signed by: Singh, Prashant (320041288) on 2025-05-19 13:40:02 Meaning: SME Approved - (Business)::Bulk Transitions Signed by: Tumati, Pradyutha (320066472) on 2025-05-16 16:09:57 Meaning: SME Approved - (Technical)::Bulk Transitions  Approval Status: [Approved]  System shall provide capability to store secure node in system for export when 'SW Bit 241: Fleet Management' is enabled and with the presence of active private key or public key.  Please note the configuration file will be saved in xml format.    Background:  NA |
| SPEC 96866  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.SecureNodeConfiguration.ConfigureCertificate  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [N.A.] Type of Test: [N.A.]  Signatures: Signed by: C, Arun (320177396) on 2025-05-19 15:18:08 Meaning: QA Approved - (QA)::Bulk Transitions Signed by: Singh, Prashant (320041288) on 2025-05-19 13:40:04 Meaning: SME Approved - (Business)::Bulk Transitions Signed by: Tumati, Pradyutha (320066472) on 2025-05-16 16:09:59 Meaning: SME Approved - (Technical)::Bulk Transitions  Approval Status: [Approved]  System shall provide capability to configure trusted and personal certificate from Dicom config tool during secure node creation when 'SW Bit 241: Fleet Management' is enabled and with the presence of active private key.  Background:  NA |
| SPEC 96867  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.SecureNodeConfiguration.SaveCertificate  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [N.A.] Type of Test: [N.A.]  Signatures: Signed by: C, Arun (320177396) on 2025-05-19 15:18:10 Meaning: QA Approved - (QA)::Bulk Transitions Signed by: Singh, Prashant (320041288) on 2025-05-19 13:40:05 Meaning: SME Approved - (Business)::Bulk Transitions Signed by: Tumati, Pradyutha (320066472) on 2025-05-16 16:10:00 Meaning: SME Approved - (Technical)::Bulk Transitions  Approval Status: [Approved]  System shall provide capability to save trusted and personal certificate in certificate manager from Dicom config tool during secure node creation when 'SW Bit 241: Fleet Management' is enabled and with the presence of active private key.  Background:  NA |
| SPEC 96868  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.SecureNodeConfiguration.ExportSecureNodeConfiguration  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [N.A.] Type of Test: [N.A.]  Signatures: Signed by: C, Arun (320177396) on 2025-05-19 15:18:12 Meaning: QA Approved - (QA)::Bulk Transitions Signed by: Singh, Prashant (320041288) on 2025-05-19 13:40:07 Meaning: SME Approved - (Business)::Bulk Transitions Signed by: Tumati, Pradyutha (320066472) on 2025-05-16 16:10:01 Meaning: SME Approved - (Technical)::Bulk Transitions  Approval Status: [Approved]  System shall provide capability to export one or more secure nodes in encrypted format and TLS certificates from Dicom config tool when 'SW Bit 241: Fleet Management' is enabled and with the presence of active private key.    The secure nodes configuration are packaged in .zip file format.    Background:  NA |
| SPEC 96869  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.SecureNodeConfiguration.ImportSecureNode  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [N.A.] Type of Test: [N.A.]  Signatures: Signed by: C, Arun (320177396) on 2025-05-19 15:18:13 Meaning: QA Approved - (QA)::Bulk Transitions Signed by: Singh, Prashant (320041288) on 2025-05-19 13:40:08 Meaning: SME Approved - (Business)::Bulk Transitions Signed by: Tumati, Pradyutha (320066472) on 2025-05-16 16:10:03 Meaning: SME Approved - (Technical)::Bulk Transitions  Approval Status: [Approved]  System shall provide capability to import one or more secure nodes from Dicom config tool either when 'SW Bit 241: Fleet Management' is enabled with the presence of active private key or when hired scanner option is enabled with the presence of active public key.  Background:  NA |
| SPEC 96872  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.SecureNodeConfiguration.DeleteSecureNode  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [N.A.] Type of Test: [N.A.]  Signatures: Signed by: C, Arun (320177396) on 2025-05-19 15:18:15 Meaning: QA Approved - (QA)::Bulk Transitions Signed by: Singh, Prashant (320041288) on 2025-05-19 13:40:10 Meaning: SME Approved - (Business)::Bulk Transitions Signed by: Tumati, Pradyutha (320066472) on 2025-05-16 16:10:04 Meaning: SME Approved - (Technical)::Bulk Transitions  Approval Status: [Approved]  System shall provide capability to delete one or more secure nodes from Dicom config tool either when 'SW Bit 241: Fleet Management' is enabled with the presence of active private key or when hired scanner option is enabled with the presence of active public key.    Background:  NA |
| SPEC 96873  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.SecureNodeConfiguration.EditSecureNode  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [N.A.] Type of Test: [N.A.]  Signatures: Signed by: C, Arun (320177396) on 2025-05-19 15:18:16 Meaning: QA Approved - (QA)::Bulk Transitions Signed by: Singh, Prashant (320041288) on 2025-05-19 13:40:11 Meaning: SME Approved - (Business)::Bulk Transitions Signed by: Tumati, Pradyutha (320066472) on 2025-05-16 16:10:05 Meaning: SME Approved - (Technical)::Bulk Transitions  Approval Status: [Approved]  System shall provide capability to edit one or more secure nodes in Dicom config tool when 'SW Bit 241: Fleet Management' is enabled and with the presence of active private key.    Background:  NA |
| SPEC 96874  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.SecureNodeConfiguration.SecureNodeReadOnly  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [N.A.] Type of Test: [N.A.]  Signatures: Signed by: C, Arun (320177396) on 2025-05-19 15:18:18 Meaning: QA Approved - (QA)::Bulk Transitions Signed by: Singh, Prashant (320041288) on 2025-05-19 13:40:13 Meaning: SME Approved - (Business)::Bulk Transitions Signed by: Tumati, Pradyutha (320066472) on 2025-05-16 16:10:07 Meaning: SME Approved - (Technical)::Bulk Transitions  Approval Status: [Approved]  System shall provide capability to only read one or more secure nodes in Dicom config tool when 'SW Bit 241: Fleet Management' is disabled and hired scanner option is enabled, with the presence of active public key.  Background:  NA |
| SPEC 98084  Rev: 1  **✓** | SWCMP.UW.DICOMConfigurationTool.SecureNodeConfiguration.SaveNodeEncrypted  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [N.A.] Type of Test: [N.A.]  Signatures: Signed by: C, Arun (320177396) on 2025-05-19 15:18:20 Meaning: QA Approved - (QA)::Bulk Transitions Signed by: Singh, Prashant (320041288) on 2025-05-19 13:40:14 Meaning: SME Approved - (Business)::Bulk Transitions Signed by: Tumati, Pradyutha (320066472) on 2025-05-16 16:10:08 Meaning: SME Approved - (Technical)::Bulk Transitions  Approval Status: [Approved]  System shall provide capability to store secure node in system for export when 'SW Bit 241: Fleet Management' is disabled and hired scanner option is enabled, with the presence of active private key or public key.  Please note the configuration file will be saved in encrypted format.    Background:  NA |
| SPEC 98151  Rev: 2  **✓** | SWCMP.UW.DICOMConfigurationTool.SecureNodeConfiguration.SecureNodeVisibility  Model: [All] FS: [All] GS: [All] Options: [] Quality Attributes: [N.A.] Type of Test: [N.A.]  Signatures: Signed by: C, Arun (320177396) on 2025-06-03 10:50:21 Meaning: QA Approved - (QA) Signed by: Nalwaya, Shailendra (ing12412) on 2025-06-03 10:48:10 Meaning: SME Approved - (Business) Signed by: Singh, Prashant (320041288) on 2025-06-03 08:39:53 Meaning: SME Approved - (Technical)  Approval Status: [Approved]  System shall provide capability to display secure node tab in Dicom config tool only when either 'SW Bit 241: Fleet Management' is enabled or hired scanner option is enabled.  Background:  NA |

## Essential Specifications

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| INFO 80944  Rev: 1  **✓** | SWCMP.UW.Essential Requirements  Model: [] FS: [] GS: [] Options: [] Quality Attributes: [] Type of Test: []  Signatures: Signed by: Krishnakumar, Ashwin (ing02466) on 2020-05-21 12:11:12 Meaning: QA Approved - (QA)::Bulk Transitions Signed by: Nalwaya, Shailendra (ing12412) on 2020-05-21 10:37:45 Meaning: SME Approved - (Business)::Bulk Transitions Signed by: Aithal K, Adhish (310211266) on 2020-05-21 09:36:12 Meaning: SME Approved - (Technical)::Bulk Transitions  Approval Status: [Approved]  N.A. |

## Non Functional Specifications

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| FOLDER 80862  Rev: 2  **✓** | Model: [] FS: [] GS: [] Options: [] Quality Attributes: [] Type of Test: []  Signatures: Signed by: C, Arun (320177396) on 2025-06-10 13:33:21 Meaning: QA Approved - (QA)::Bulk Transitions Signed by: Singh, Prashant (320041288) on 2025-06-10 13:14:00 Meaning: SME Approved - (Technical)::Bulk Transitions Signed by: Nalwaya, Shailendra (ing12412) on 2025-06-10 12:38:49 Meaning: SME Approved - (Business)::Bulk Transitions  Approval Status: [Approved]  Not applicable |

## Compliance Specifications

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| --- | --- |
| FOLDER 80861  Rev: 2  **✓** | Model: [] FS: [] GS: [] Options: [] Quality Attributes: [] Type of Test: []  Signatures: Signed by: C, Arun (320177396) on 2025-06-10 13:33:22 Meaning: QA Approved - (QA)::Bulk Transitions Signed by: Singh, Prashant (320041288) on 2025-06-10 13:14:01 Meaning: SME Approved - (Technical)::Bulk Transitions Signed by: Nalwaya, Shailendra (ing12412) on 2025-06-10 12:38:50 Meaning: SME Approved - (Business)::Bulk Transitions  Approval Status: [Approved]  Not applicable |
| INFO 80942  Rev: 1  **✓** | SWCMP.UW.Compliance Requirements  Model: [] FS: [] GS: [] Options: [] Quality Attributes: [] Type of Test: []  Signatures: Signed by: Krishnakumar, Ashwin (ing02466) on 2020-05-21 12:11:18 Meaning: QA Approved - (QA)::Bulk Transitions Signed by: Nalwaya, Shailendra (ing12412) on 2020-05-21 10:37:52 Meaning: SME Approved - (Business)::Bulk Transitions Signed by: Aithal K, Adhish (310211266) on 2020-05-21 09:36:16 Meaning: SME Approved - (Technical)::Bulk Transitions  Approval Status: [Approved]  N.A. |

# Component Traceability

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| INFO 98090  Rev: 1  **✓** | Component Traceability\_Voxel  Model: [] FS: [] GS: [] Options: [] Quality Attributes: [] Type of Test: []  Signatures: Signed by: C, Arun (320177396) on 2025-06-03 07:00:41 Meaning: QA Approved - (QA) Signed by: Singh, Prashant (320041288) on 2025-06-03 06:31:52 Meaning: SME Approved - (Technical) Signed by: Nalwaya, Shailendra (ing12412) on 2025-06-03 03:07:50 Meaning: SME Approved - (Business)::Bulk Transitions  Approval Status: [Approved] |

**Attachment:**

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| Please find RTM CS DICOMConfig Tool.xlsm in attachment section of Windchill |

# Document History

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| INFO 98091  Rev: 2  **✓** | Document History\_Voxel  Model: [] FS: [] GS: [] Options: [] Quality Attributes: [] Type of Test: []  Signatures: Signed by: C, Arun (320177396) on 2025-06-03 10:50:59 Meaning: QA Approved - (QA) Signed by: Nalwaya, Shailendra (ing12412) on 2025-06-03 10:48:59 Meaning: SME Approved - (Business) Signed by: Singh, Prashant (320041288) on 2025-06-03 08:40:40 Meaning: SME Approved - (Technical)  Approval Status: [Approved]   |  |  |  |  | | --- | --- | --- | --- | | Revision Number | Date | Author | Description of change | | A | 02-June-2025 | Adhish Aithal K | Added requirements ID 96863,96864,96866,96867,96868,96869,96872,96873,96874,98084, 98151 | |

