

# Vitrear Read Technical File

## Vitrear Read 9.1 - Non-DICOM Conformance Statement

### Vitrear Read 9.1.0

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## 1 Revision History

Revision	Date	Author	Changes
1.0	March 20, 2020	Karen Piech	New for 8.0
1.1	September 25, 2020	Karen Piech	Updated for 8.1
1.2	March 24, 2021	Karen Piech	Updated for 8.2
1.3	September 22, 2021	Karen Piech	Updated for 8.3
1.4	March 8, 2022	John Ljøterud	Updated for 8.4 and changed Doc id from 2020.02.001 to 2022.03.037
1.5	 15 Aug 2022	Thomas Søndergaard	Updated for 9.0
1.6	 21 Sep 2023	 @Daniel Polders	Update for 9.0: Fix formatting of mime type column
1.7	 27 Nov 2023	Malene Kierulff Madsen	Updated for 9.0 release TF
1.8	 09 Dec 2024	 @Daniel Polders	Update for 9.1: <ul style="list-style-type: none"> <li>• Only retrieve documents with status: Current</li> <li>• Added reference to ITI-67 standard</li> </ul>

## 2 References

Reference	Title	Doc ID
1	Find Document References [ITI-67]	<a href="https://profiles.ihe.net/ITI/MHD/ITI-67.html">https://profiles.ihe.net/ITI/MHD/ITI-67.html</a>

### 3 Non-DICOM Conformance Statement Overview

The Vitrea Read image display implements the necessary IHE Mobile access to Health Documents (MHD) services necessary to query, retrieve and display non-DICOM images and other text-based documents.

## 4 Specification

Non-DICOM content is obtained in accordance with the Find Document References [ITI-67] specification using the following parameters, see also reference 1.

<i>ITI-67 parameter name</i>
patient or patient.identifier

## 5 Supported MIME types

Support for non-DICOM content includes both image and text-based MIME types.

The format of a non-DICOM file is identified using the "ContentType" field in the ITI-67 response. For this reason, it's recommended to always include this field in the response. Supported values are listed in the table below.

In case "ContentType" field is missing, there exists a mechanism to configure a mapping from "contentCode" to mimetypes.

<i>MIME type</i>	<i>Description</i>	<i>Typical filename extension</i>
image/bmp image/x-windows-bmp	Windows / OS/2 Bitmap Graphics	.bmp
image/gif	Graphics Interchange Format (GIF)	.gif
text/html	HyperText Markup Language (HTML)	.htm .html
image/x-icon	Icon format	.ico .cur .icns
image/jpeg image/jpg image/pjpeg	JPEG images	.jpeg .jpg
video/x-mng	Mutiple-image Network Graphics	.mng
image/x-portable-bitmap image/x-portable-anymap	Portable Bit Map	.pbm
application/pdf	Portable Document Format (PDF)	.pdf
image/x-portable-graymap image/x-portable-anymap	Portable Gray Map	.pgm
image/png	Portable Network Graphics	.png
image/x-portable-pixmap image/x-portable-anymap	Portable Pixel Map	.ppm
application/sla	Standard Triangle Language (STL)	.stl
image/svg+xml	Scalable Vector Graphics	.svg .svgz
image/x-targa	Targa image format	.tga

<i>MIME type</i>	<i>Description</i>	<i>Typical filename extension</i>
image/tiff image/x-tiff	Tagged Image File Format (TIFF)	.tif .tiff
text/plain	ASCII or UTF-8 Text	.txt
image/vnd.wap.wbmp	Wireless Bitmap	.wbmp
image/webp	Webp image format	.webp
image/x-bitmap image/x-rgb image/x-rgb	X BitMap	.xbm
image/x-pixmap	X PixMap	.xpm



## 6 Annotations on non-DICOM images

Vitrea Read supports the addition of annotations on non-DICOM images. Measurements are calculated in pixels, however, they cannot be saved with the image, even as a compound presentation.

## 7 No export or transfer of MHD data

Vitre Read currently does not support the export or transfer of MHD data:

- It is not possible to export MHD from the CAM to a CD-ROM or DVD.
- It is not possible to transfer MHD from the Workflow Manager or from the Patient Study Browser.

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## 8 Document Status

Vitrea Read will only retrieve documents that have a status of DocumentReference set to "current". Documents with status "superseded" are ignored. See reference 1 for more information.