content. This algorithm takes into account the storage space the image takes up as well as the image's clarity requirements. For example: a character or symbol is best stored as a gif/png, if a jpeg was used instead, the character would be no clear, while pictures that contain many colors, better be stored in jpeg format to insure the pictures compression.

Furthermore, in some instances such as with newspapers, images are stored in a few different resolutions. This allows for readers to choose the image size most fitting to their screen resolution and or network speed. The Repository contains three kinds of images:

➤ Page thumbnails

➤ Page snapshot images

➤ Primitive images

Newspaper (A2/A3) Example of Image Type Characteristics

Image Type	Naming convention	Typical resolution	Typical size (From Digital PDF)	Typical size (From post-OCR TIFF)
Page Thumbnail	pv<PageNum>.gif (ie. pv001.gif)	15dpi	5-7kb	5-15kb
Average Page Image (of five resolutions)	pg<ImageNum>.gif (ie. pg124.gif)	30-45dpi	20-30kb	80-100kb
Elements/Primitives	pc<PictureNum>.gif (ie. pc00140.gif)**	60-120dpi	5-8kb	20-30kb

 * The typical newspaper page consists of 20-30 elements. In the case of newspapers predating 1950, this number could rise to as much as 70-100.

** A picture is just one example of an element. Other elements include: an article (ar<articlenum>.gif) and an advertisement (ad<AdNumber>.gif).

Document (A4) Example of Image Type Characteristics

Image Type	Naming convention	Typical resolution	Typical size (From Digital PDF)	Typical size (From post-OCR TIFF)
Page Thumbnail	pv<PageNum>.gif (ie. pv001.gif)	15dpi	2-5kb	5-15kb
Page Image	pg<ImageNum>.gif (ie. pg124.gif)	30-45dpi	20-40kb	20-120kb
Elements/Primitives	ar<ArticleNum>.gif (ie. ar00140.gif)**	60-120dpi	0.5-2.5kb	20-30kb

 ** A picture is just one example of an element. Other elements include: an article (ar<articlenum>.gif) and an advertisement (ad<AdNumber>.gif).