



# RECOMMENDED TECHNICAL SPECIFICATIONS FOR LONG-TERM STORAGE AND PRESERVATION

Queensland State Archives

These specifications are recommended for the production of good quality digitised images and their long-term or permanent storage and preservation.

These specification can be combined with your own testing and specific requirements as needed.

Source record type	Resolution	Bit depth	File format	Compression
<b>Text only, black and white</b>	300 PPI	1 bit (bi-tonal)	TIFF PDF/A containing TIFF or JPEG 2000	Lossless compression
<b>Documents with watermarks, grey shading, grey graphics</b>	600 PPI	8 bit greyscale	TIFF JPEG 2000 PDF/A containing TIFF or JPEG 2000	Lossless compression
<b>Documents with discrete colour used in text or diagrams</b>	600 PPI	8 bit colour	TIFF JPEG 2000 PDF/A containing TIFF or JPEG 2000	Lossless compression
<b>Black and white photographs and negatives</b>	Sufficient to provide >3000 pixels across long dimensions	8 bit greyscale	TIFF JPEG 2000 PDF/A containing TIFF or JPEG 2000	Lossless compression
<b>Colour photographs, negatives and transparencies</b>	Sufficient to provide >3000 pixels across long dimensions	24 bit colour	TIFF JPEG 2000 PDF/A containing TIFF or JPEG 2000	Lossless compression