

# Australian Newspapers Digitisation Program

## Derivative Images for the Newspapers Beta Search & Delivery System

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Version: 1.0

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### Images generated on ingest to content management system and stored for use in the Search & Delivery System:

<i>Description</i>	<i>Format</i>	<i>Dimension of image</i>	<i>Quality (resolution)</i>	<i>Zoom level</i>	<i>Comments</i>
Page divided into tiles (used in image viewer when user is viewing pages or articles)	Each tile is a JPEG file	Each tile is 256x256 pixels	30%	5%	Derived from greyscale TIFF master which has been enhanced for human readability, then quality reduced to 30%.
	as above	as above	as above	15%	as above
	as above	as above	as above	25%	as above
	as above	as above	as above	35%	as above
	as above	as above	as above	45%	as above
	as above	as above	as above	55%	as above
	as above	as above	as above	65%	as above
	as above	as above	as above	100%	as above
PDF of page (users can view, download or print when viewing a page)	PDF	Slightly bigger than an A3 page (A3 is 297x420 mm)	100%	33%	Derived from greyscale TIFF master which has been enhanced for human readability.  Optimised for printing whole page on A3 paper. The 33% zoom level was chosen because it has slightly more pixels than an A3 page. At a lower zoom level you lose information when printing on A3 paper; higher zoom levels would make the file larger without added benefit.
Thumbnail of page (will be used to display)	JPEG	Greatest dimension is 150 pixels	30%	N/A	Derived from greyscale TIFF master which has been enhanced for human readability, then quality

pages when user is viewing an issue in future)					reduced to 30%.
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All tiles, pdf and thumbnail from a page are stored in 1 zip file for better management.

**Images generated dynamically when requested in the Search & Delivery System:**

<i>Description</i>	<i>Format</i>	<i>Dimension of image</i>	<i>Quality (resolution)</i>	<i>Zoom level</i>	<i>Comments</i>
Article JPG (users can view, download or print when viewing an article)	JPEG	Dynamically calculated so that whole column/s will fit across an A4 page when printed.	30%	The zoom level which the user is currently viewing	Derived from tiles at the specific zoom level. Optimised for printing on A4 paper (portrait orientation).
Article PDF (users can view, download or print when viewing an article)	PDF	Dynamically calculated so that whole column/s will fit across an A4 page when page is viewed/printed at 100% in PDF viewer.	30%	The zoom level which the user is currently viewing	Derived from tiles at the specific zoom level. Optimised for printing on A4 paper (portrait orientation).