

## Image Standards for Electronic Plan Lodgment

In order to maintain a standard for digital plan data received from surveyors that is compatible with the LPI Document and Integrated Image Management System (DIIMS), the following guidelines for the creation of TIFF (tagged image file format) images is provided.

**All TIFF images must be created to these specifications.**

### Dots per inch (dpi)

This is the generic term describing the resolution of printers, monitors and scanners.

LPI requires a resolution of **200 dpi**.

### Document sizes

A convenient system of classifying the measurements of "standard" document sizes. LPI uses the following sizes:

**A2:** 420 x 594 mm or 16.64 x 23.4 inches (3308 x 4680 pixels)

**A3:** 297 x 420 mm or 11.685 x 16.64 inches (2338 x 3308 pixels)

**A4:** 210 x 297 mm or 8.32 x 11.685 inches (1654 x 2338 pixels)

To indicate the sizes in real terms, LPI creates TIFF images at the actual size of the plan or document (Plan Form 1 - A3, Plan Form 2 - A2 and Sec.88B Instruments - A4).

Surveyors are required to capture images at the same size as the plan form or document.

### Compression

The process of formatting data so that the same amount of information can be saved in a smaller space. To reduce data size, scanner electronics automatically encode data into number sequences that require less space to convey the same information.

The LPI imaging system (DIIMS) uses **CCITT Group 4 compression** to achieve maximum compression. Surveyors are required to use this compression method.

### Colour

Only **1 bit black and white** (monochrome) images are acceptable, **not greyscale**.