



Preparing your voters list

Adding barcodes:

To use barcodes with your voters list, you will need to add the UPC/EAN barcode font to your computer or printer.

A barcode font works that same way as any other font, you turn the font on, print the barcode, then turn it off. Barcode readers depend on the contrast between the black and white bars, and the size of the bars. Printing barcodes is best done using a laser printer, but inkjet and dot matrix printers can be used if a large font (24 pt) and quality paper is used. There must be clean white-space between the black bars.

Buying a font:

There are numerous font sources*. We recommend buying a font package from a commercial vendor for the support they can supply. Be certain to ask if the font will automatically calculate the checksum for UPC/EAN barcodes.

The barcodes must conform to GTIN standards. These include UPC-E, UPC-A, UPC-A +5, EAN8, EAN13 and EAN13 +5. For this font there are four bar sizes. Four bars (2 white, 2 black) code each digit and by assigning the values 0, 1, 2 and 3 to the four bar sizes, each digit totals 7.

Combined with the final checksum, the UPC barcode has a read-error rate under 1 in 100 million.

Code length selection:

The last digit of the UPC/EAN barcode is a checksum. This verifies that the code was read correctly. If your voter ID is 7 digits or less, we recommend using EAN8 or UPC-E. If it is 8 or more digits, use EAN13 or UPC-A. The font software will add zeros and calculate the checksum as needed.

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Further information about Groqit is at our site: <http://www.groqit.com/b2b>
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Examples of possible codes:



EAN13



EAN8



UPC-E



UPC-A

For UPC/EAN barcodes, you do not need to worry about orientation or read direction. The guard bars and digit encoding make it possible for readers to correct for backwards or inverted reads.

* Links to sources for barcode fonts:

Windows: <http://www.barcodemagic.com/>><http://www.barcodemagic.com/>

Linux/UNIX: <http://www.adams1.com/unix.html%C2%A0>><http://www.adams1.com/unix.html>
(There is a whole page of links here.)

Macintosh: <http://www.adams1.com/mac.html>><http://www.adams1.com/mac.html>

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