Conversion of Australian Bureau of Statistics (ABS) Population Projections to Enrolment Projections (Appendix III)
(Text provided by the Australian Bureau of Statistics)

The Australian Bureau of Statistics (ABS) have calculated projections of the population of Australian residents aged 18 years and over for each Census Collection District (CD) starting with a base at 30 June 2006 annually through to 30 June 2013. To allow baseline comparison with latest electoral roll counts, interpolation was used to derive 14 January 2008 population. The 15 August 2012 population projections were also calculated by interpolating between 30 June figures.

For most CDs it was assumed that the proportional relationship between electoral enrolments and resident population aged 18+ will continue. Accordingly, the population projections were converted to enrolment projections as follows:

P_{2008} = ABS projection of residents aged 18+ at 14 January 2008
P_{2012} = ABS projection of residents aged 18+ at 15 August 2012
E_{2008} = Enrolled persons at 14 January 2008
E_{2012} = Projected enrolled persons at 15 August 2012

$$E_{2012} = (E_{2008} / P_{2008}) * P_{2012}$$

For example, a Census Collection District's figures may be:

P_{2008} = 471
P_{2012} = 498
E_{2008} = 411

$$E_{2012} = (411 / 471) * 498$$
$$= 435$$

Some CDs with very high growth have low enrolment: population ratios due to lags in occupancy and/or change in enrolment address. These ratios were adjusted upwards as the lags work out over time, adjusting to the degree necessary to maintain the overall State enrolment ratio.

Where a CD crosses existing electoral boundaries, the projected enrolment has been allocated to electoral divisions in the same proportion as current enrolments.

In a minority of CDs where enrolments were greater than the baseline population projection, it was assumed that electoral enrolments will grow by the same amount as the population of Australian residents aged 18+, ie:

$$E_{2012} = E_{2008} + (P_{2012} - P_{2008})$$

For example, a Census Collection District's figures may be:

P_{2008} = 146
P_{2012} = 228
E_{2008} = 150

$$E_{2012} = 150 + (228-146)$$
$$= 232$$

Thereafter the Redistribution Committee may amend the enrolment projections for certain CDs based on specific local knowledge of the area.

At each Census some CDs are redrawn, particularly in areas experiencing significant population growth or decline since the previous Census. 2001-2005 CD ERP originally based on 2001 Census data was revised to account for latest population information and new CD boundaries from the 2006 Census. Difficulties in undertaking such revisions and in recasting electoral enrolments on to 2006 CD boundaries may cause occasional anomalous CD enrolment projections.