I have made the following corrections to Formula Sheets April 24, 2012:

D Summary

- Add Woolhouse Formula to the M-thly box.

E Summary

- In the N-YEAR DEFERRED WLA box, in the left side of the second equation replace $P\left({}_{n}\ddot{a}_x\right)$ with $P\left({}_{n|}\ddot{a}_x\right)$.

F Summary

- In the #2 RETROSPECTIVE METHOD box, replace $s_{x:\overline{t}|}$ with $\ddot{s}_{x:\overline{t}|}$.
- The whole VARIANCE LOSS box is messed up. Please replace it with:

VARIANCE LOSS

For Whole Life and Endowment Insurance:

$$\mathrm{Var}({}_tL) = \left(1 + \frac{\bar{P}}{\delta}\right)^2 \mathrm{Var}(v^U)$$

$$\text{EP} \Rightarrow \quad = \frac{\mathrm{Var}(v^U)}{(1 - \text{SBP})^2}$$

Example – fully discrete endowment ins.:

$$\mathrm{Var}({}_tL) = \left(1 + \frac{P}{d}\right)^2 \left({}^2A_{x+t:\overline{n-t}|} - (A_{x+t:\overline{n-t}|})^2\right)$$

$$\text{EP} \Rightarrow \quad = \frac{{}^2A_{x+t:\overline{n-t}|} - (A_{x+t:\overline{n-t}|})^2}{(1 - A_{x:\overline{n}|})^2}$$

- In the INTERIM BENEFIT RESERVES box, replace $(1+i)^2$ with $(1+i)^s$.