Calculating Bus Age and Fleet Age for SMBSC and OSMBSC Contracts

The purpose of this note is to set out the principles to be applied when calculating bus age. This is particularly relevant for determining the age of any given bus (since no bus can be more than 25 years of age under SMBSC or OSMBSC contracts) and for determining average fleet age (since average fleet age can not exceed 12.0 years under SMBSC or OSMBSC contracts).

Schedule 8 of these contracts states:

“The Contract Bus Fleet must:

(a) Not exceed an average age of 12.0 years at any time during the Term; and
(b) Not include any Bus that has reached an age that exceeds 25 years from build date, as displayed on the Bus manufacturers’ Australian Design Rules compliance plate (noting that, for certain older Buses with separate chassis compliance plates and body compliance plates, the date of manufacture is that which appears on the chassis compliance plate)…”

1. The ‘date of birth’ of a bus will typically be based on the dates described in (b) above.
2. Bus age is calculated in the same was as human age is calculated in Australia.
3. A bus is not one year old until the day of its first birthday.
4. A bus reaches 25 years of age when it has its 25th birthday.
5. A bus that has had its 25th birthday but not its 26th birthday is 25 years old – and does not exceed the ‘more than 25 years of age’ maximum age criteria thus its age does not preclude it from being used on SMBSC and / or OSMBSC contracted services.
6. A bus becomes 26 years of age on its 26th birthday, and from that day onwards exceeds the ‘more than 25 years of age’ maximum age criteria thus its age does preclude it from being used on SMBSC and / or OSMBSC contracted services.
7. Bus age will be presented as a whole number (i.e. zero decimal places) calculated as above.
8. Fleet age will be calculated by summing the age of all buses (in whole numbers) and dividing by the number of buses in the fleet, and expressing the result to one decimal place. At no time can the resultant average fleet age, when shown to one decimal place, be a number greater than 12.0. (A result of (say) 12.0398 would, when presented to one decimal place, yield 12.0 and would comply).

Excel formula for calculating age of any given bus (yrs):

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\text{Bus Age} = \text{ROUNDDOWN}\left(\frac{\text{Calculation Date} - \text{Bus Birth Date}}{365.25}, 0\right)
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Formula for calculating fleet age (yrs):

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\text{Fleet Age} = \frac{\sum \text{Bus Age}}{\text{COUNT( Buses in Fleet)}}
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