

**From:** Johnathan Shaw <[REDACTED]>  
**Sent:** Thursday, 24 September 2020 10:40 AM  
**To:** Farha, Rejwana <[REDACTED]>  
**Cc:** Sekhon, Jiv <[REDACTED]>; Rodney Li <[REDACTED]>; Anna Fernando <[REDACTED]>  
**Subject:** RE: eVACS Codes Audit - Certificate for Count Module

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Hi Rejwana,

Re: Implementation of 6-decimal places as per telephone discussion.

With votes being counted to 6 decimal places the definition of surplus(below) in the Election Act is now "unusual"

*schedule 4.1 "surplus, in relation to a successful candidate, means the candidate's total votes less the quota, if the resulting number of votes is 1 or greater"*

Consider the edge case where

- the resulting number of votes is a fraction less than 1 (i.e. between 0.000001 and 0.999999 inclusive.)
- This fraction of a vote is technically not a surplus due to the above definition

Please advise how the count implementation should action this edge case :-

1. treat the same as "equals quota"  
i.e. ballots stay on the successful candidate same as equals quota.  
This implementation is consistent with Schedule 4 definition.
2. Distribute the fraction like a surplus (all ballots moved to next preference at a transfer value)  
This implementation is consistent with a legislation drafting issue. i.e. when rounding to 6 places was introduced the highlighted text should of been removed.

Regards

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