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

Hi Rejwana,

Re: Implementation of 6-decimal places as er 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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