

Neuvote Systems Inc.  
Kitchener, ON  
[www.neuvote.com](http://www.neuvote.com)  
[contact@neuvote.com](mailto:contact@neuvote.com)  
Tel: (1)-438-863-0234



Date: June 29, 2020

To: Procedure and House Affairs Committee / Members of Parliament

Esteemed members of parliament,

My name is Matthew Heuman and I am the CEO of Neuvote, an online voting vendor and the developers of the Hybrid Online Voting System. For the past 5 years my company has been researching and developing a new method to securely vote over the internet in a public election using end-to-end encrypted video and cryptographic digital votes.

On June 11th, 2020, expert witnesses called before the committee testified that a hybrid method of video and secure digitally verifiable votes would be the most secure way to enable members of parliament to vote remotely. We echo their testimony because we believe that this hybrid method provides the best method for votes to be sent and confirmed over a network. Not just for MP's but also for the general public in our elections.

Neuvote has all of the components and expertise necessary to build this system and it would be a sincere privilege to be given the opportunity to address the Procedure and House Affairs Committee with our solution.

We thank you for your time and consideration.

Regards,

Matthew Heuman / CEO

*Matthew Heuman*

Neuvote Systems Inc.  
Kitchener, ON  
[www.neuvote.com](http://www.neuvote.com)  
Tel: (1)-438-863-0234  
Matthew Heuman, CEO, Neuvote



To: Procedure and House Affairs Committee / Members of Parliament

Date: June 29, 2020

Subject: Proposal for remote online voting system for Members of Parliament

---

### Proposal Summary:

- Neuvote is an online voting vendor that has all the recommended components to build a video / digital hybrid voting system for parliament
  - Neuvote's components have already passed security reviews by leading cyber security experts and CSE approved networks.
- 

### Company Background:

Neuvote Systems Inc. is a Canadian vendor that has developed a Hybrid Online Voting System that uses paper ballots to be cast and confirmed visually using end-to-end encrypted video communication. We also have full integration with Microsoft's ElectionGuard verifiability SDK to provide secure cryptographic receipts of every vote cast.

---

### Proposal qualifications:

- On June 11th, 2020, the PROC committee heard testimony from Dr. Nicole Goodman, Dr. Aleksander Essex and Pierre Roberge who discussed the feasibility of remote voting solutions for members of parliament.
- The recommendations from these expert witnesses determined that a hybrid method of video voting backed with digital verification of each vote passed

would be the most secure method to ensure the uninterrupted continuance of governance in our parliament.

- Neuvote shares the belief that the combination of video and digital cryptographic receipts are the most secure voting methods for both public elections and remote voting for members of parliament.

---

## Proposal overview:

Neuvote would like the opportunity to submit our Hybrid Method of video and digital online voting for review of the Procedure and House Affairs Committee.

- The Hybrid Online Voting platform provides end-to-end video channels to enable parliament to see and hear their members secured with advanced cryptographic digital receipts of record for every vote cast as recommended by the PROC's expert witnesses.
- Cryptographic digital receipts provide full verifiability to ensure that members can confirm that each and every cast vote was accurately recorded.
- Digital receipts with verifiability mitigate against any misinterpreted video or voice issues.
- Neuvote has access to a private, dark fiber telecommunications network across Canada that has already been approved for use by the Canadian Security Establishment and can provide maximum security for members of parliament.
- Full data residency within Canada's borders.
- We believe strongly in working with the academic community and are currently working with both Dr. Nicole Goodman and Dr. Aleksander Essex to develop standards for online voting in Canada.
- We are also the only vendor willing to provide transparent, in-depth code review to the cyber security research community for our public election software.