OPEN SOURCE VOTING SYSTEM
TECHNICAL ADVISORY COMMITTEE

Christopher Jerdonek, Chair
Roan Kattouw, Vice Chair
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ELECTIONS COMMISSION
City and County of San Francisco

September 12, 2019

To: Elections Commission

From: Open Source Voting System Technical Advisory Committee (OSVTAC)

RE: OSVTAC Report #7 (September 2019)

This is the seventh report of the Open Source Voting System Technical Advisory Committee (OSVTAC, or TAC) to the Elections Commission, which TAC's Bylaws say TAC shall provide to the Commission at least once in every four-month period.

Below is a description of the TAC's activities since its last report dated May 14, 2019. Prior reports to the Commission are available at https://osvtac.github.io/communications.

Meetings

Since the TAC's last report, the TAC has had two regular meetings and two special meetings:

- Tuesday, May 14, 2019 at 6pm in Room 421 of City Hall
- Saturday, June 8, 2019 at 1pm (Special Meeting) in the Mary Louise Stong Conference Room (1st Floor) of the San Francisco Public Library
- Thursday, June 13, 2019 at 6pm in Room 421 of City Hall
- Thursday, July 11, 2019 at 6pm (Special Meeting) in Room 421 of City Hall
- There was no meeting in August 2019.

Attendance at the special meetings was optional for TAC members. At the special meetings, the TAC members in attendance worked on the TAC's proof-of-concept open source results reporter ("ORR") software.

The minutes and YouTube recordings for these and all previous meetings can be found at https://osvtac.github.io/past-meetings.

Committee membership

On June 19, 2019, the Elections Commission re-appointed all TAC members for another term, including Member Philips whose term had not yet expired. On June 22, 2019, TAC member Brandon Philips resigned from TAC because of a move to Southern California.

Discussion with Department of Technology

During its May meeting, the TAC discussed the open source voting project with Department of Technology Director Gerull and provided feedback on both their draft "State of the Art Briefing" document and their planned community meeting. The TAC also provided the Director with a list of over 50 email addresses to invite to the community meeting after brainstorming a list at a previous TAC meeting.

The TAC awaits future opportunities to discuss project planning and progress with the Department more.

Open Source Voting Recommendations Document

The TAC has a working document for discussion on security recommendations as well as a description of a sample implementation, implementing the proposed recommendations related to digital signatures.

Voting System Component Development

The TAC has a working prototype of an [open source election results reporter](#) that can create results pages and report files for the June and November 2018 elections and that San Francisco or anyone else can use.

The TAC is awaiting the opportunity to share its progress with the Department of Technology and is continuing to improve and make progress on the prototype.

Member activities

Member Wasserman attended the O'Reilly Open Source Software Conference (OSCON) held July 15-18 in Portland, OR and the Open Source Summit held August 21-23 in San Diego, CA. At both conferences, he gave an invited talk entitled the San Francisco Open Source Voting Project. His talks occurred on July 17 and August 21.

Members Hage, Jerdonek, and Wasserman attended the open source voting community event organized by the Department of Technology, which was held the afternoon of July 31 at 1 South Van Ness Avenue.

State Matching Funds Proposal

[AB 1784](), a California state bill that would provide up to $16 million in state matching funds for counties to develop an open source voting system passed the State Assembly on May 29. In July, while the bill was pending in the Senate Elections Committee, it was made a two-year bill because money had not been allocated for it in this year's budget (according to Trent Lange of the California Clean Money Campaign).