OSEV Vote Export Process
Sequence Diagram

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OSEV Check	OSEV Verify	Vote Storage System	Elections Officer

Login
(username, password)

Response:
(success, authToken)

GetNextVotesCollection
(RSA private key)

(key stored in memory only)

Run Processing Job

For Each Vote (up to count N)

IsDeclarationVoteAdmitted (RegToken)

isDeclarationVoteAdmitted(voterToken)

Response: (isDecVoteAdmitted,
isDecVoteInvalidated)

Response: (isDecVoteApproved,
isDecVoteDenied)

If not admitted or invalidated, do not include
and save approval status.

Decrypt Vote with
Asymetric RSA private key

Verify Vote against
VoteSignature

If verfication fails (Unverifiable),
do not include
and save unverifiable status.

Create PDF

End for each vote
(repeat until N)

Create zip file of all PDFs.

Mark votes as downloaded (with date/time)

Response: (VotePDFZip)

Saves votes in secure location

Get Vote Status Report (Downloaded Votes, admitted Votes, Invalidated Votes, Unverifiable Votes)

Response: (Vote Status Report)

Reviews changes in counts to check the download was a
success and compare to number of downloaded votes.

Votes for Counting