P1622.7

Submitter Email: ark@soe.ucsc.edu
Type of Project: New IEEE Standard
PAR Request Date: 13-Feb-2015
PAR Approval Date:
PAR Expiration Date:
Status: Unapproved PAR, PAR for a New IEEE Standard

1.1 Project Number: P1622.7
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Title: Standard for Electronic Pollbook Data Interchange Format

3.1 Working Group: Electronic Pollbooks (C/VSSC/EP)
Contact Information for Working Group Chair
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  None

3.2 Sponsoring Society and Committee: IEEE Computer Society/Voting Systems Standards Committee (C/VSSC)
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4.1 Type of Ballot: Individual
4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 04/2016
4.3 Projected Completion Date for Submittal to RevCom: 10/2016

5.1 Approximate number of people expected to be actively involved in the development of this project: 10
5.2 Scope: This standard defines a UML (Unified Modeling Language) data model and a corresponding data interchange format, e.g., XML (Extensible Markup Language), for information created and processed by electronic pollbooks. The model associates individuals with corresponding polling place(s) and ballot style(s). It includes information, such as voters' names and addresses, political party affiliation, eligibility, and other status and audit information, that can be analyzed so as to show aspects of how an election was conducted. It includes structures necessary to record that a voter has participated in an election and information necessary for issuance of a ballot to a voter. The model also includes structures to facilitate data exchanges between electronic pollbooks and voter registration databases, and data between interconnected electronic pollbooks.

The scope does not include operational or security requirements for electronic pollbooks, other than digital signatures.

5.3 Is the completion of this standard dependent upon the completion of another standard: No
5.4 Purpose: This standard defines the data elements and attributes outlined in the scope and how the data is associated with other election data. It facilitates the import and export, in a common format, of the data outlined in the scope to support interoperability of an electronic pollbook with voting devices used in polling places and with voter registration databases.

5.5 Need for the Project: Electronic pollbooks are used increasingly to support functions at polling places, including to facilitate check-in of voters, determine their appropriate ballot style, and record their participation in elections. Electronic pollbook interoperability with other voting devices and voter registration databases is required or desired by U.S. states. Interoperability is dependent on a common understanding of the data elements and attributes processed by electronic pollbooks and a common interchange format for the data elements.
5.6 Stakeholders for the Standard: Voters, election equipment and software developers, federally certified voting equipment testing labs, state and local election officials, election poll workers, election observers and analysts, the U.S. Election Assistance Commission, and the general public.

Intellectual Property
6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: No
6.1.b. Is the Sponsor aware of possible registration activity related to this project?: No

7.1 Are there other standards or projects with a similar scope?: No
7.2 Joint Development
   Is it the intent to develop this document jointly with another organization?: No

8.1 Additional Explanatory Notes (Item Number and Explanation):