P1622.3

Submitter Email: ark@soe.ucsc.edu
Type of Project: Modify Existing Approved PAR
PAR Request Date: 12-Feb-2014
PAR Approval Date: 27-Mar-2014
PAR Expiration Date: 31-Dec-2017
Status: Modification to a Previously Approved PAR
Root PAR: P1622.3 Approved on: 23-Aug-2013

1.1 Project Number: P1622.3
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Title: Standard for Election Systems Event Logging Data Interchange Format
Changes in title: Standard for Election Systems Event Logging Data Interchange Format

3.1 Working Group: Voting Equipment Electronic Data Interchange Committee (C/VSSC/1622_WG)
Contact Information for Working Group Chair
Name: John Wack
Email Address: johnpwack@gmail.com
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Contact Information for Working Group Vice-Chair
Name: Neal McBurnett
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3.2 Sponsoring Society and Committee: IEEE Computer Society/Voting Systems Standards Committee (C/VSSC)
Contact Information for Sponsor Chair
Name: John Wack
Email Address: johnpwack@gmail.com
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Contact Information for Standards Representative
Name: Arthur Keller
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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: 04/2014
4.3 Projected Completion Date for Submittal to RevCom: 10/2014

5.1 Approximate number of people expected to be actively involved in the development of this project: 10
Changes in scope: This standard defines common data interchange formats for event records for voting election systems. Voting election systems, including election management systems, vote capture devices, and tabulation devices, record events typically in a log file. This standard specifies the common data elements for event log export, and an implementation of this standard using OASIS Extensible Markup Language (XML) data elements and structures. This standard also includes the manner in which codes in event logs for voting election systems are described.

5.2 Scope: This standard defines common data interchange formats for event records for election systems. Election systems, including election administration systems, election management systems, vote capture devices, and tabulation devices, record events typically in a log file. This standard specifies the common data elements for event log export, and an implementation of this standard using Extensible Markup Language (XML) data elements and structures. This standard also includes the manner in which codes in event logs for election systems are described.

5.3 Is the completion of this standard dependent upon the completion of another standard: No
Changes in purpose: This standard facilitates the import and export, in a common format, of event data for voting election systems. This data is used by local and state election administrators, citizens, and press to help verify the integrity of the voting equipment, and the elections for
which the equipment is used. In addition, it facilitates post-election auditing of elections. In addition, it facilitates post-election auditing of elections.

5.5 Need for the Project: Various stakeholders use event data to perform audits. This process is cumbersome due to the proprietary nature of current event logging systems. This standard will establish a data interchange format that will facilitate the creation of generic tools that can be used to examine and analyze event data. In addition, tools can be created to help examine the usability of the systems through examination of event data. Election system vendors can also benefit from employing a common data exchange standard to interoperate with other election systems.

5.6 Stakeholders for the Standard: Voters including overseas and military, election equipment and software developers, election officials, election observers, the US Election Assistance Commission (EAC), the Federal Voting Assistance Program (FVAP), and the general public.

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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): Change to 2.1 title to clarify scope is limited to Election Systems, and not Event Logging in general.