

November 2, 2017 Interoperability Working Group Call

Status Updates:

- Election event logging spec in NIST publication review
- VRI spec in NIST publication review next week
 - Once finalized, HTML version will be synched with PDF
 - Working on JSON version of FGDC specification for addresses
 - Will introduce a new version implementing bulk records use case in near future
- Will hold an election results reporting v2 review meeting in the near future
- Working on establishing permanent URLs for 1500 schemes
- Working on CVR spec – hope to have it done by Jan. 2018
- John Dziurlaj on Election Modeling:
 - Very close to the end. Need to finish geopolitical processes, and then will be done.
 - Looking at ways to review, get word out to various stakeholders, get a 1.0 model out, provide a hard copy version of process model for review.
 - Talking about moving on to a semantic data model to help inform glossary work.
- Lauren Massa-Lochridge on Voting Methods:
 - Have requested review of draft generic process flow for ranked choice voting.
 - Chose to attack the most complex method first, others will be ready for review in the next month.
 - Descriptive, not prescriptive.
 - On track to complete initial drafts by the end of the year.
 - Who else to reach out to help review the RCV work?

Discussion:

- Integrability and Data Export/Interchange Interoperability DRAFT REQUIREMENTS for VVSG 2.0
 - Way that John was thinking about doing requirements again is to come up with a section that describes more general requirements across the board
 - Two sections: interoperability of devices (Section A) and interoperability of data (Section B). Higher level are the more general requirements, and then they go into more specifics.
 - Using much of the terminology from 2007 draft, even though it may be possible to refine terms a bit.
 - Making big strides with data interoperability, but not yet hardware interoperability. We're at a point now where innovations are happening, don't want to create a hardware boundary without stifling innovation.
 - This is where the next VVSG ought to be – we recommend but will not require that things are interoperable – you shall use standard device interfaces and standard protocols and algorithms. For manufacturers: where you're not using publicly documented standards, then document what you're doing.
 - Herb: feels that you're changing this from a system certification to a device certification, and not sure you want to do that. Wary of doing mix and match at the device level. Herb

argues against componentizing -- goes against certification of entire systems, also could stifle creativity

- One area where it would be nice to swap devices in and out: accessibility community would like to be able to swap in latest and greatest accessible devices; e-Pollbooks.
- Lynn: election officials would like to be able to mix and match also that would enhance confidence to know internal formats. It would be a huge advantage to have one system be able to integrate all of the systems – in the long term.
- B.5 Public specification of manufacturer native formats – does it go too far? Would increase transparency.
 - Herb: manufacturers already provide that as part of the technical data package for testing and certification, doesn't see need for public access.
 - Exported formats should be defined – need it to be consumable if meant for public consumption.
- May need to look at what those interchanges are and which are covered by CDF work and which aren't. May be difficult – look at Election Modeling work.
- Would be nice to have a profile, set of optional items – these minimum fields will be there. Set of standards, templates, data, “tighter profiles” to explicitly define these are required and these are optional.
- Seems that this needs further discussion to determine how strict interoperability requirements are – how will this affect manufacturers?

Next Steps:

- John Dziurlaj leading Ballot Definition CDF
- Increased work on VVSG 2.0 requirements
 - General interoperability requirements, will integrate comments
 - Requirements by voting activity
 - VVSG Glossary work
- New version of VRI spec
 - Will work on e-poll book spec upon completion
- New version of election results reporting spec
- Completion of CVR spec

Next Steps:

Attendees:

Carl Hage
Herb Deutsch
John McCarthy
Katy Owens Hubler
Kim Brace
Lauren Massa-Lochridge
John Dziurlaj
Lynn Garland
David Cary
Tammy Patrick

Ian Piper
Judson Neer