

eCVI XML Version 2 Standard



**61st Annual Meeting
Oct 18-24, 2018
Kansas City, MO**

The Subcommittee

- Membership was “fluid”
- The process was very open
 - No one who wanted to contribute was turned away
- Quorum and balance
 - eCVI developers
 - Animal health database developers
 - Federal government
 - State government
 - Academic informaticists

The Standard

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified" targetNamespac
  xmlns="http://www.usaha.org/xmlns/ecvi2">

  <xs:annotation> [19 lines]
  <xs:annotation>
    <xs:documentation>Copyright © 2017-18 AAVLD/USAHA it is free for use. Submit suggested chang
      https://github.com/AAVLD-USAHA-ITStandards/ecVI </xs:documentation>
  </xs:annotation>

  <xs:element name="eCVI">
    <xs:annotation>
      <xs:documentation> The eCVI xml document contains an extract of data from an interstate
        electronic) used to communicate the information to another computer system. It does
        the job of the originating application. This schema tries to capture those data elem
        decision support, disease traceability, and business interoperability. A large major
        fully-structured (close standard) data. Inevitably, edge cases--even very important
        features such as "other" choices and free-text entry elements.</xs:documentation>
    </xs:annotation>
    <xs:complexType>
      <xs:sequence>
        <xs:element ref="Veterinarian" minOccurs="1" maxOccurs="1"/>
        <xs:element ref="MovementPurposes" minOccurs="1" maxOccurs="1"/>
        <xs:element ref="Origin" minOccurs="1" maxOccurs="1"/>
        <xs:element ref="Destination" minOccurs="1" maxOccurs="1"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

eCVI Document Element

The eCVI xml document contains an extract of data from an interstate certificate of veterinary inspection (normally electronic) used to communicate the information to another computer system. It does not constitute the legal document; that remains the job of the originating application. This schema tries to capture those data elements and the level of detail needed for regulatory decision support, disease traceability, and business interoperability. A large majority of use-cases can be met using the fully-structured (close standard) data. Inevitably, edge cases--even very important ones--have had to be left to open standard features such as "other" choices and free-text entry elements.

Attributes

- **CviNumber:** Required
- **CviNumberIssuedBy:** Optional
- **IssueDate:** Required
- **ExpirationDate:** Required
- **ShipmentDate:** Optional
- **EntryPermitNumber:** Optional

Child Elements

- **Veterinarian:** Required
- **MovementPurposes:** Required
- **Origin:** Required
- **Destination:** Required
- **Consignor:** Optional
- **Consignee:** Optional



61st Annual Meeting
Oct 18-24, 2018
Kansas City, MO

What it Is

- Format data for *exchange*
- Defined content
- Defined codes for common value sets
- Defines transmission of key traceability and regulatory data
- Enables transmission of other value-add data

What it is NOT

- Rules for what is and what isn't a valid CVI
- Replacement for the official document
- Blue-print for an eCVI application

What it is NOT

- Brand-inspection data exchange
 - Animal sighting record data exchange
 - Movement permit data exchange
 - Alternative movement document
-
- But these uses were taken into account
 - May result in related standards

Changes from Draft Version 1

- Closed to Open Form
 - Allows many more value-add elements
 - Limits enforced value sets
 - Adds reasonable methods for “other”



Changes from Draft Version 1

- Copyright AAVLD/USAHA
- Hosted on neutral GitHub site
 - <https://github.com/AAVLD-USAHA-ITStandards/eCVI>



**61st Annual Meeting
Oct 18-24, 2018
Kansas City, MO**

Changes from Draft Version 1

- More coverage of equine images, brands, etc.
- Changed (improved we hope) validation of animal IDs

Compromises

- Closed to Open
 - Driven by eCVI developers
 - Value-add
 - Challenges for recipients
- Value Sets
 - Many do not follow strict informatics principles
 - Other!
- Many Formatting Preferences

Implementation

- Several major participants already implementing
- Others in process
- Transition will take time

Conclusion

- We present a consensus standard
 - Everyone hates something
 - Everyone sees enough value to support
 - No “no” votes had to be overruled.
- Committee is not done
 - Editorial fixes
 - Enhance non-normative documentation
- Version 3?
- Other issues to standardize