

ITEM 6.4.1 | SOFTWARE APPLICATIONS

- Software applications must support the following standards when applicable:

1. Presentation (for web-based applications)

- a. Standards compliant XHTML 1.0/HTML 4.01 and later
- b. Standards compliant Cascading Style Sheets 2.1 and later

2. Application

- a. Service-Oriented Architecture ("SOA") should be applied to applications.
- b. Development processes such as Model-View-Controller ("MVC").
- c. The presentation layer should access information via a web service.
- d. Where possible, code should be executed on the server (server-side code), not the client.
- e. eXtensible Markup Language ("XML").
- f. Simple Object Access Protocol ("SOAP")
- g. Web Services and/or Representational State Transfer ("REST") web services.
- h. JSON ("JavaScript Object Notation").
- i. American National Standards Institute Structured Query Language ("ANSI SQL").
- j. W3C ADA/508 compliance.
- k. Open Database Connectivity ("ODBC"), Java Database Connectivity ("JDBC"), OLEDB, Database Native Clients.
- l. Remote Procedure Call ("RPC")

3. Storage

- a. American National Standards Institute Structured Query Language ("ANSI SQL").



4. Security

a. Security for all components of software applications should use industry-proven algorithms, techniques, platform-supplied infrastructure, and vendor-tested and supported technologies.

b. The Data Exchange Standards, adopted in May 2016, but the FCTC provide a Data Security Model standard to which applications should adhere when applicable.

