PIV Test Data Definition

The JPIV Test Data Generator is a tool developed by NIST and is used to generate PIV test data conformant to the data requirements set forth in FIPS201, SP80073, SP80076, and SP80078. The tool is an example implementation for developers of PIV components. Developers and integrators are welcome to use the tool and its generated data elements in a test-environment, but should refrain from using the JPIV Test Data Generator and its generated data elements in a production environment. Instead, organizations should develop their own tool for generating PIV-conformant data elements for production environments.

In order to differentiate between the test and production data elements the tool meets the following test data requirements. NIST also recommends / requires that any PIV test data must meet the following requirements:

CHUID

- The Agency Code shall be set to 3102

Root Certificate

- The Issuer Common Name (CN) field shall be set to "PIV Test Root"
- The Subject CN field shall be set to "PIV Test Root"

Agency Issuer CA Certificate

- The Issuer Common Name (CN) field shall be set to "PIV Test Root"
- The Subject CN field shall be set to "PIV Test CA"

PIV Authentication Certificate

- The Issuer Common Name (CN) field shall be set to "PIV Test CA"
- The Subject CN field shall be appended with "- PIV Test"
- The Subject Organizational Unit (OU) field shall be appended with "- PIV Test." Specifically, "- PIV Test" shall be appended to both department and agency when they are used. For example, if the Subject OU is "c=US, o=U.S. Government, [ou=*department*], [ou=*agency*]..", the test Subject OU shall be "c=US, o=U.S. Government, [ou=*department*- PIV Test], [ou=*agency*- PIV Test]…"

Card Authentication Certificate

- The Issuer CN field shall be set to "PIV Test CA"
- Each Subject OU field shall be appended with "- PIV Test" as in PIV authentication certificates.

Digital Signature Certificate

- The Issuer CN field shall be set to "PIV Test CA"

- The Subject CN field shall be appended with “- PIV Test”
- Each Subject OU field shall be appended with “- PIV Test” as in PIV authentication certificates.

Key Management Certificate

- The Issuer CN field shall be set to “PIV Test CA”
- The Subject CN field shall be appended with “- PIV Test”
- Each Subject OU field shall be appended with “- PIV Test” as in PIV authentication certificates.

Printed Info

- The Printed Name field shall be appended with “- PIV Test”

Need CRLs generated by Root and Agency Issuer CAs.