

# **Federal Bridge Certification Authority**



Presentation to the CSBS

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# Consequences of Recent Events

- As the FBI requests additional information regarding money laundering of suspected terrorists, how will information be securely exchanged?
- How will the source of the request and the provider of the information be positively identified?
- How can we accomplish this with our current and evolving environments?

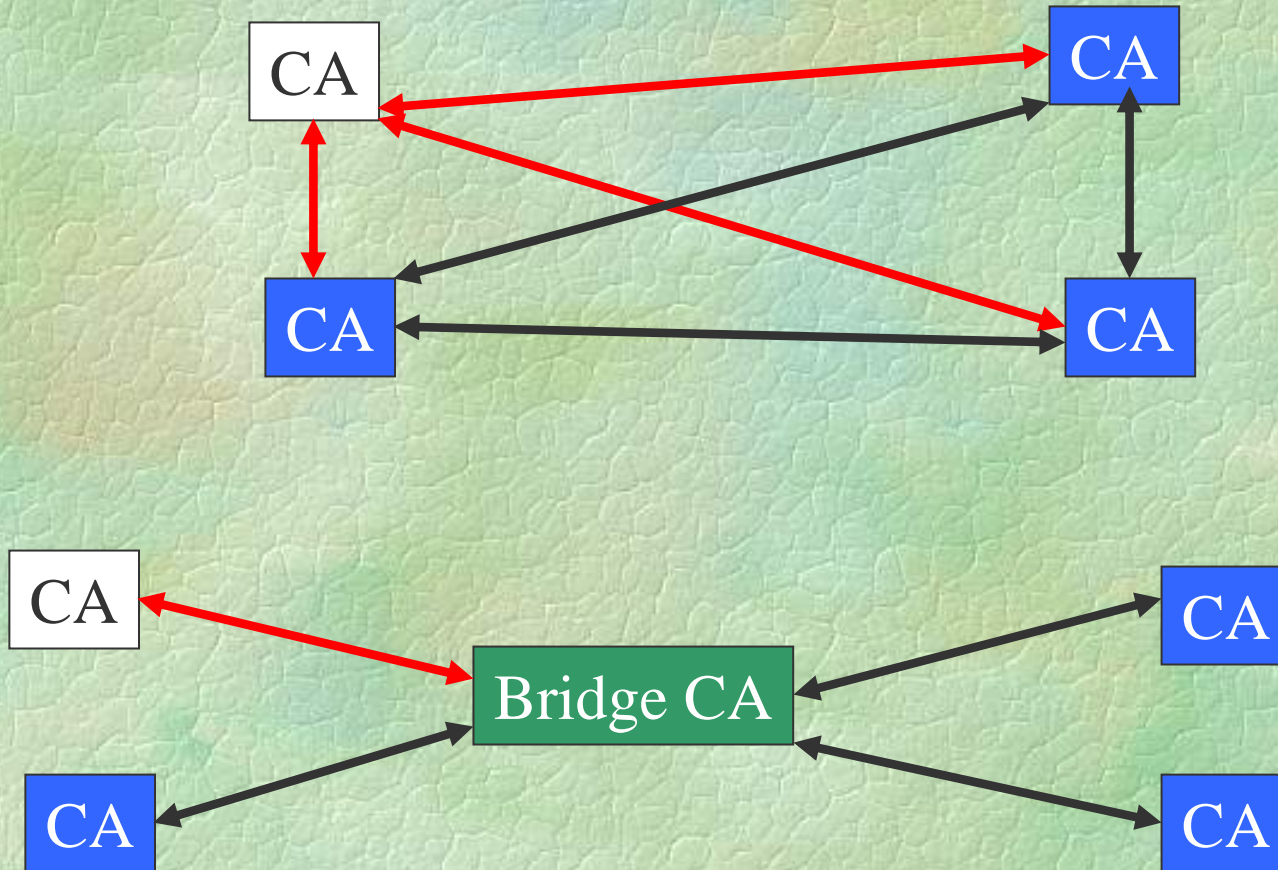
# Background

- FBCA is non-hierarchical, peer-to-peer “hub”
- Supports interagency PKI technical interoperability
- Policy interoperability framework established by FPKI Policy Authority
- Goal: accommodate Federal agency use of any PKI COTS product

# The Bridge CA

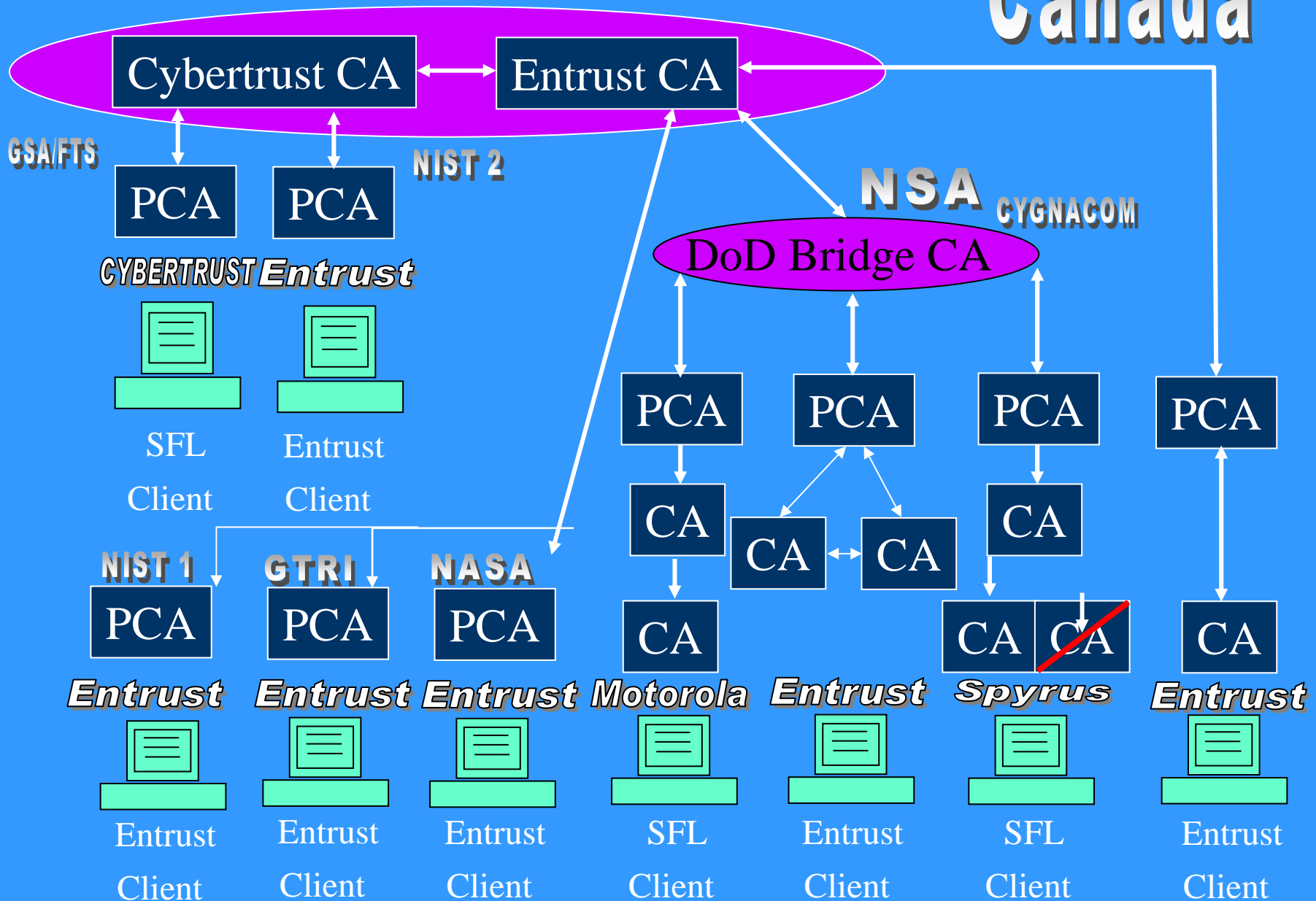
- The Federal Bridge CA is designed to cross certify agency PKIs.
- It is not a trust anchor (root authority) and only deals with the agency CA certificates.
- The agency is responsible for issuing end entity certificates (such as user certificates).
- The agency is responsible for individual identify proofing.
- The Bridge support 4 increasing levels of assurance.

# Determining Certificate Trust



# Federal Bridge CA

# Canada



# What's an Assurance Level (Those assigned to the FDIC)

Internet Engineering Task Force Notation:

fdic-basic is 2.16.840.1.101.3.2.1.7.1

fdic-low is 2.16.840.1.101.3.2.1.7.2

fdic-moderate is 2.16.840.1.101.3.2.1.7.3

fdic-high is 2.16.840.1.101.3.2.1.7.4

International Standards Organization notation

fdic-basic OBJECT IDENTIFIER := { fdic-policies 1 }

fdic-low OBJECT IDENTIFIER := { fdic-policies 2 }

fdic-moderate OBJECT IDENTIFIER := { fdic-policies 3 }

fdic-high OBJECT IDENTIFIER := { fdic-policies 4 }

# State Bridge CA Status

- Federal PKI State Interoperability Working Group.
- Illinois (every taxpayer)
- Washington
- New Jersey
- Pennsylvania (negotiations ongoing)
- Maryland (interest)
- Virginia (interest)



# Other Items

- NIST High Level Cryptographic API
  - Allows applications to be easily ported.
  - Cooperative effort (NIST, GAO, FDIC, Treasury FMS, DoD FAS, DOE, & Army Corps of Engineers).
  - Heavy lifting done below the API (not by the application).
- New Statutory Requirements to use Electronic Signatures.

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