

Enrollment Working Group Testimony

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Why is interoperability so darn hard?

An Interoperability Joke:

Mrs. Johnson brings little Johnny in for his first day of school.

After meeting the teacher in a group of moms, she pulls the teacher aside and says:

Johnny is very sensitive, So, if he misbehaves,
don't hit him.

Hit the kid next to him.

That will scare him and he will straighten up.

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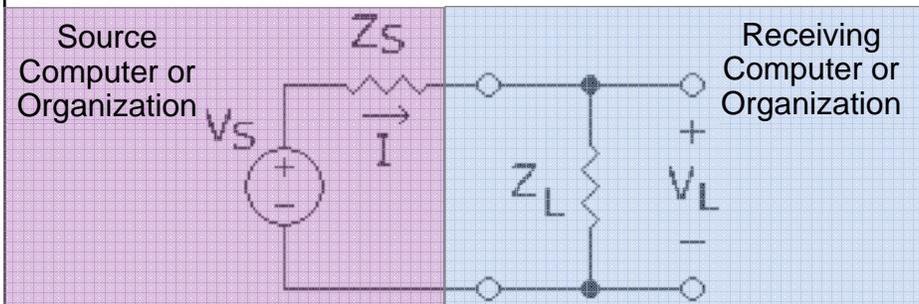
Things To Consider Standardizing

- Core data elements
 - Name, address, residence, income, citizenship, etc.
 - Codes and structure (e.g., citizenship and ethnicity)
 - Signature: Electronic and/or digital; applicant, third-party data source
- Data Formats
- Business Functions
 - Checking eligibility and enrollment
 - Consumer matching across systems
 - Retrieving and sending “packages” of verification information including income, employment, citizenship
 - Communicating enrollment information
- Privacy and security
 - Auditing and other provisions for detecting, investigating and proving fraud
 - Secure transport
 - Authentication
 - Identity vetting
 - Package integrity

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Impedance Matching: The Interoperability Metaphor

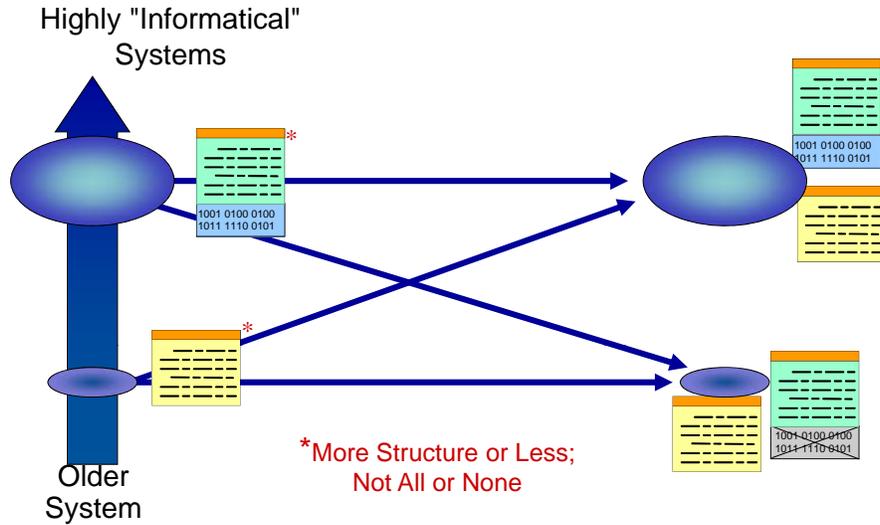


- The maximum high-fidelity data transfer occurs when the representation of data and the process are the same in both systems/organizations
- The maximum interoperability is probably \ll half the total understanding of semantics and process at either end

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Incremental Interoperability: Variable Impedance Matching



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Preventing FIS: Frozen Interface Syndrome



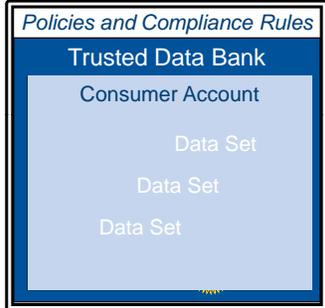
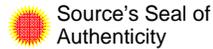
- Make incremental interoperability a fundamental business premise
 - Variable structure
 - Require mappable code upgrades
 - Flexible utterances
- Use business incentives to drive upgrades to system informatical levels
- Make interface negotiation a part of the infrastructure

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Vision: Putting the Consumer in Charge Control v. Transparency; Source Authenticity

Consumer

- Creates and signs data sets
- Edits self-signed data sets
- Establishes identity relationships with other data sources
- Authorizes one-time and ongoing transfers
- View all data sets (with few limitations)
- Deletes self-signed and selected other data sets
- Creates externally attached comments on other-sourced data sets
- Authorizes services of 3rd party advocates



Trusted Data Bank

- Provides APIs and user interface for stakeholders
- Continually meets compliance requirements for security and privacy
- Provides forensic-quality logs
- Warrants to hand off data to other trusted data banks

Data User

- Establishes identity relationship with consumer
- Retrieves authorized data
- Edits self-signed data sets
- Validates seals of authenticity
- Provides history and status updates as signed data sets
- Maintains valid seal of authenticity (for verifying authorization and audit logs)

3rd Party Data Source

- Establishes identity relationships consumer
- Provides signed authorized data
- Maintains valid seal of authenticity



Invention, it must be humbly admitted, does not consist in creating out of void, but out of chaos.

