ANSI/NIST-ITL Workshop
July 27-29, 2010

Domain Name/
TOT Field Expansion
Domain Field

• Need
  – Make Domain Field mandatory as of this version of the standard
  – Ability to register unique implementations of an ANSI/NIST domain, as well as a central location for contact information for each of the sub-domains
  – Provision of links through the NIST website to user-specific sub-domain descriptions (or possibly collection on the NIST website) of state-specific Type-2 record fields
  – Expansion of Type 1 Domain field (1.013) to include Organization, domain name, and version number of specification used by the sender
• Example:

<table>
<thead>
<tr>
<th></th>
<th>Org</th>
<th>FBI</th>
<th>TXDPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DomainName (DNM)</td>
<td></td>
<td>NORAM</td>
<td>TX Spec</td>
</tr>
<tr>
<td>Domain Version Nbr (DVN)</td>
<td></td>
<td>EBTS 9.1</td>
<td>2010</td>
</tr>
</tbody>
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Org | FBI  | TXDPS |
-----|------|-------|
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Example

- Example
  - Highest level of standard definition is ANSI/NIST-ITL 1-2010 (denoted by field 1.002 VER)
  - FBI controls the North America Domain (NORAM), Texas DPS defines Texas-specific Type-2 record fields within the field numbers allocated by FBI
  - Point of contact for Texas DPS – Mike Lesko
  - Excel spreadsheet accessible through NIST website as hyperlink displaying Texas-defined Type-2 fields
Recommendation

• Approve Domain as a mandatory field
• Expand Type-1 field 1.013 Domain to include additional information fields separated by <RS> separator
  – 1:013: DomainName<US> DomainVersion Number<RS> Sub-domainName <US> Sub-Domain VersionNumber
  – If approved, details of character types and lengths will be defined
• NIST establish and maintain registry of domains/sub-domains, points of contact and links to online spreadsheets with user-defined fields on fingerprints.nist.gov
TOT Field Expansion

• Need
  – Allow particular application profiles to determine the maximum number of characters for TOT field

• Example
  – NORAM domain will define TOT field as Min=4, Max=5 to accommodate a TOT such as RPISR (Rapid Print Image Search Response)

• Recommendation
  – Removal of restriction on the character length of TOT field