As the industry continues to develop innovative capture technologies, ANSI/NIST-ITL 1-2015 addressed the core position and impression labeling framework. Like the ISO fingerprint standards, the previous “impression code” has been divided into an impression and a capture technology field. The impression encoding records the method that the subject used to interact with the scanner. The technology encoding records the technology used to capture the biometric.

The use of the impression and technology encodings are primarily intended to annotate more information about the capture. To the extent that a system has more information about a vendor’s technology, the use of this information may be able to assist interoperability.

Interactions between systems using Legacy codes and systems relying entirely on these new codes must negotiate a solution, and new systems shall be prepared to handle the legacy values if received. For example, a legacy system might request an identification of a contact palm image using the legacy code “10.” The new system should gracefully handle this value, and an adaptation of the response may be warranted. Vice versa, a new capture station might request an identification of a contact palm image with impression code of “0.” Legacy systems that treat this impression as a finger image may need an adaptation to properly process the request.

<table>
<thead>
<tr>
<th>Proposed 2015 Table 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact Impressions</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Plain Contact Friction Ridge</th>
<th>0</th>
<th>Now includes all FR types</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rolled Contact Friction Ridge</td>
<td>1</td>
<td>Now includes all FR types</td>
</tr>
<tr>
<td>Contact swipe</td>
<td>8</td>
<td>Finger swiped on Platen</td>
</tr>
<tr>
<td>Plain Contact Palm</td>
<td>10</td>
<td>Discouraged, Legacy Only</td>
</tr>
<tr>
<td>Plain Contact Plantar</td>
<td>30</td>
<td>Discouraged, Legacy Only</td>
</tr>
<tr>
<td>Plain Contact (non-livescan)</td>
<td>2, 11, 31</td>
<td>Discouraged, Legacy Only</td>
</tr>
<tr>
<td>Rolled Contact (non-livescan)</td>
<td>3</td>
<td>Discouraged, Legacy Only</td>
</tr>
<tr>
<td>Plain optical contact</td>
<td>20</td>
<td>Discouraged, Legacy Only</td>
</tr>
<tr>
<td>Rolled optical contact</td>
<td>21</td>
<td>Discouraged, Legacy Only</td>
</tr>
<tr>
<td>Plain non-optical contact</td>
<td>22</td>
<td>Discouraged, Legacy Only</td>
</tr>
<tr>
<td>Rolled non-optical contact</td>
<td>23</td>
<td>Discouraged, Legacy Only</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Contactless Acquisitions</th>
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<tbody>
<tr>
<td>Plain contactless, stationary subject</td>
</tr>
<tr>
<td>Rolled contactless, stationary subject</td>
</tr>
<tr>
<td>Plain contactless, moving subject</td>
</tr>
<tr>
<td>Rolled contactless, moving subject</td>
</tr>
<tr>
<td>Plain non-optical contactless</td>
</tr>
<tr>
<td>Rolled non-optical contactless</td>
</tr>
<tr>
<td>System Integration Exceptions</td>
</tr>
<tr>
<td>------------------------------</td>
</tr>
<tr>
<td>Other</td>
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<tr>
<td>Unknown</td>
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<table>
<thead>
<tr>
<th>Latent Prints</th>
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<tbody>
<tr>
<td>Latent Image</td>
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<tr>
<td>Latent Impression</td>
<td>12, 32, 36</td>
</tr>
<tr>
<td>Latent Tracing</td>
<td>5, 13, 33, 37</td>
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<tr>
<td>Latent Photo</td>
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<tr>
<td>Latent Lift</td>
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