

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.

Proposed 2015 Table 8		
Contact Impressions		
Plain Contact Friction Ridge	0	Now includes all FR types
Rolled Contact Friction Ridge	1	Now includes all FR types
Contact swipe	8	Finger swiped on Platen
Plain Contact Palm	10	Discouraged, Legacy Only
Plain Contact Plantar	30	Discouraged, Legacy Only
Plain Contact (non-livescan)	2, 11, 31	Discouraged, Legacy Only
Rolled Contact (non-livescan)	3	Discouraged, Legacy Only
Plain optical contact	20	Discouraged, Legacy Only
Rolled optical contact	21	Discouraged, Legacy Only
Plain non-optical contact	22	Discouraged, Legacy Only
Rolled non-optical contact	23	Discouraged, Legacy Only
Contactless Acquisitions		
Plain contactless, stationary subject	24	Intended for user interactions where user attempts to remain still over a scanner
Rolled contactless, stationary subject	25	Intended for user interactions where user attempts to remain still over a scanner
Plain contactless, moving subject	42	Intended for user interactions where user performs an intentional gesture over a scanner
Rolled contactless, moving subject	41	Intended for user interactions where user performs an intentional gesture over a scanner
Plain non-optical contactless	26	Discouraged, Legacy Only
Rolled non-optical contactless	27	Discouraged, Legacy Only

System Integration Exceptions		
Other	28	
Unknown	29	
Latent Prints		
Latent Image	4	Now Inclusive of all latent
Latent Impression	12, 32, 36	Discouraged, Legacy Only
Latent Tracing	5, 13, 33, 37	Discouraged, Legacy Only
Latent Photo	6, 14, 34, 38	Discouraged, Legacy Only
Latent Lift	7, 15, 35, 39	Discouraged, Legacy Only