

# **APPENDIX A:**

## **Code Lists and Lookup Tables**

**Code List Name: ACCESS LOCATION PRIVILEGE CODES**

---

This code indicates the type of privilege allowed at an access location.

Code	Description
EP	Escort Privilege
ER	Escort Required
LA	Lane Access
PS	Personal Search
VS	Vehicle Search
WC	Weapon Card Required
CP	Cell Phone Access

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8514_1	ACC_LOC_PRV_TYP	Access Location Privilege	Access Location Privilege Category Code

**Code List Name: ACQUISITION SOURCE CODES**

A data type for a source acquisition code.

Code	Description
0	Unspecified or unknown
1	Static digital image from an unknown source
2	Static digital image from a digital still-image camera
3	Static digital image from a scanner
4	Single video frame from an unknown source
5	Single video frame from an analog video camera
6	Single video frame from a digital video camera
7	Video sequence from an unknown source
8	Video sequence from an analog video camera, stored in analog format
9	Video sequence from an analog video camera, stored in digital format
10	Video sequence frame from a digital video camera
11	Computer screen image capture
12	Analog audio recording device; stored in analog form (such as a phonograph record)
13	Analog audio recording device; converted to digital
14	Digital audio recording device
15	Landline telephone -- both sender and receiver
16	Mobile telephone -- both sender and receiver
17	Satellite telephone -- both sender and receiver
18	Telephone -- unknown or mixed sources
19	Television -- NISTC
20	Television -- PAL
21	Television -- Other
22	Voice-over-internet protocol (VOIP)
23	Radio transmission: short-wave (specify single side band or continuous wave in FDN)
24	Radio transmission: amateur radio (specify lower side band or continuous wave in FDN)
25	Radio transmission: FM (87.5 MHz to 108 MHz)
26	Radio transmission: long-wave (150 kHz to 519 kHz)
27	Radio transmission: AM (570 kHz to 1720 kHz)
28	Radio transmission: Aircraft frequencies
29	Radio transmission: Ship and coastal station frequencies
30	Vendor specific capture format
31	Other
MS	Multiple Sources

**Code List Name:**        **ACQUISITION SOURCE CODES (Continued)**

---

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Record Type-11: Forensic and Investigatory Voice Record	11.008_1	AQC	ACQUISITION SOURCE	ACQUISITION SOURCE CODE
Record Type-11: Forensic and Investigatory Voice Record	11.038_6	AQC	VOCAL SEGMENT CHANNEL	ACQUISITION SOURCE CODE
Type-20 Source Representation Record	20.014_1	AQT	Acquisition Source	Acquisition Source Type

**Code List Name: ACQUISITION SOURCE TYPE CODES**

Code to indicate the type of acquisition used to obtain the sample.

Code	Acquisition Source Type
UNSPECIFIED	Unspecified or unknown
UNKNOWN PHOTO	Static photograph from an unknown source
DIGITAL CAMERA	Static photograph from a digital still-image camera
SCANNER	Static photograph from a scanner
UNKNOWN VIDEO	Single video frame from an unknown source
ANALOG VIDEO	Single video frame from an analog video camera
DIGITAL VIDEO	Single video frame from a digital video camera
VENDOR	Vendor specific source
TYPE20	Record Type-20 original source representation
OTHER	Another source image

Note that all of the acquisition sources in Acquisition source type codes result in a 2D image in visible light. To transmit other types of imagery, use the Record Type-22: Non-photographic imagery data record.

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.022	PXS	Photo Description	Photo Descriptor

**Code List Name:        ADDITIONAL RESPONSE RESULT CODES**

---

This code specifies the result generated by the repository that generated the additional response.

Code	Description
I	Identified
N	Non-Identified
E	Error

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8206_2	RSLTCD	Additional Response	Additional Response Result Code

**Code List Name: AIRPORT INSTALLATION CODES**

---

This code indicates the type of airport installation at an access location.

Code	Description
ALL	Access All Areas
AIR	Airfield Areas
ATC	ATC Office Areas
PTO	Passenger Terminal Offices
CARGO	Cargo Area
CMP	Companies
TERM1	Terminal Sterile Area 1
TERM2	Terminal Sterile Area 2
VIP	VIP
VIPLANE	VIP Lane at ECXP ONE

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8510_1	ACC_LOC_APT_PERM_APT_LOC_TYP	Access Location Airport Installation Permission	Access Location Airport Installation Category Code

**Code List Name:       ALERT CATEGORY CODES**

This code indicates what action, if any, should be taken regarding the biometric subject if he/she is encountered.

Code	Description
1	Detain – known or suspected terrorist – DoD Watchlist
2	Detain – known or suspected terrorist – U.S. government Watchlist
3	Detain – known or suspected terrorist – other country Watchlist
4	Detain – individual of interest to U.S. or coalition forces
5	Detain – known or suspected criminal
6	No U.S. or coalition base access
7	Interview but do not detain
8	Detain but do not interview
9	Do not detain or interview

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.350_2	ALERT_CAT	Alert	Alert Category



**Code List Name:        ALPHA EYE COLOR CODES**

---

Code used to indicate the subject's color of eyes.

Code	Description
BLK	Black
BLU	Blue
BRO	Brown
GRN	Green
GRY	Gray
HAZ	Hazel
MAR	Maroon
MUL	Multicolored
PNK	Pink
XXX	Unknown

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.031	EYE	Color Eyes	
Type-2 User-Defined Descriptive Text Record	2.8037_2	ECOL	Biometric Subject Eye Color	Eye Color
Type-10 Facial, Other Body Part and SMT Image Record	10.027	SEC	Subject Eye Color	
Type-17 Iris Image Record	17.020	ECL	Eye Color	

**Code List Name: AMPUTATED OR BANDAGED CODES**

Code that describes the reason the finger's image is missing.

Code	Description
XX	Amputation
UP	Unable to print (e.g., bandaged)

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.084_2	AMPCD	Amputated or Bandaged	Amputated or Bandaged Code
Type-14 Variable Resolution Fingerprint Image	14.018_2	ABC	Amputated or Bandaged	Amputated or Bandaged Code
Type-15 Variable-Resolution Palmprint Image Record	15.018_2	ABC	Amputated or Bandaged	Amputated or Bandaged Code

**Code List Name: ASSOCIATED INDIVIDUAL ROLE CODES**

---

This code indicates the role of an individual who is affiliated with the biometric subject.

Code	Description
0	Undetermined
1	Parent
2	Maternal Grandparent
3	Paternal Grandparent
4	Spouse
5	Child
6	Sibling
7	Associate

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8038_2	IASSOC_ROLE	Biometric Subject Associated Individual	Associated Individual Role

**Code List Name:       AUDIO CAPTURE DEVICE CODES**

---

A description of an audio segment channel capture device.

Code	Description
0	Unknown
1	Array
2	Multiple Style Microphones
3	Earbud
4	Body Wire
5	Microphone
6	Handset
7	Headset
8	Speaker phone
9	Lapel Microphone
10	Other

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Record Type-11: Forensic and Investigatory Voice Record	11.038_2	ACD	VOCAL SEGMENT CHANNEL	AUDIO CAPTURE DEVICE CODE

**Code List Name:        AUDIO SOURCE RECORDER CODES**

A data type for a set of information regarding the captured voice information.

Name	Description	Cardinality
biom: CaptureDeviceDescriptionText	A description of a biometric	0...1
biom: CaptureDeviceMakeText	A make of an image capture device	0...1
biom: CaptureDeviceModelText	A model of an image capture device	0...1
biom: CaptureDeviceSerialNumberText	A serial number of the image capture device	0...1

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Record Type-11: Forensic and Investigatory Voice Record	11.007_1	RDD	AUDIO RECORDING DEVICE	RECORDING DEVICE DESCRIPTIVE TEXT
Record Type-11: Forensic and Investigatory Voice Record	11.007_2	MAK	AUDIO RECORDING DEVICE	RECORDING DEVICE MAKE
Record Type-11: Forensic and Investigatory Voice Record	11.007_3	MOD	AUDIO RECORDING DEVICE	CONTAINS RECORDING DEVICE MODEL.
Record Type-11: Forensic and Investigatory Voice Record	11.007_4	SER	AUDIO RECORDING DEVICE	CONTAINS RECORDING DEVICE SERIAL NUMBER.

**Code List Name: AUTHORITY APPROVAL STATUS CODES**

This code specifies the level of the authority and approval status obtained.

Code	Description
RA-REC	Recommending Authority Recommended
AA-APP	Approving Authority Approved
SP-SPN	Sponsoring Authority Sponsored

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8502_2	BADGE_CLR_AUTH_CD	Access Location Badge Color	Authority Approval Status Code
Type-2 User-Defined Descriptive Text	2.8510_3	ACC_LOC_APT_PERM_AUTH_CD	Access Location Airport Installation Permission	Authority Approval Status Code
Type-2 User-Defined Descriptive Text	2.8511_2	ACC_LOC_MONTH_AUTH_CD	Access Location Required Month	Authority Approval Status Code
Type-2 User-Defined Descriptive Text	2.8512_2	ACC_LOC_WKDAY_AUTH_CD	Access Location Required Day of the Week	Authority Approval Status Code
Type-2 User-Defined Descriptive Text	2.8516_2	ACC_LOC_EXP_AUTH_CD	Access Location Expiration	Access Location Expiration Date
Type-2 User-Defined Descriptive Text	2.8517_3	ACC_LOC_PAC_PERM_AUTH_CD	Access Location Facility Permission	Authority Approval Status Code

**Code List Name:** **BADGE COLOR CODES**

---

This code specifies the color of the badge assigned to the subject.

Code	Description
BLU	Blue
BRO	Brown
ONG	Orange
GRN	Green
RED	Red
YEL	Yellow
PLE	Purple

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8502_1	BADGE_CLR_CD	Access Location Badge Color	Access Location Badge Color
Type-2 User-Defined Descriptive Text	2.8509_2	BADGE_CLR_CD	Access Location Badge	Access Location Badge Color Code

**Code List Name:       BADGE REPLACEMENT REASON CODES**

---

This code indicates the reason the badge is being replaced.

Type-Code	Description
E	Error
L	Lost
D	Damaged
X	Expired
O	Other

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8513_1	BADGE_RPL_REASON_CD	Access Location Badge Replacement	Access Location Badge Replacement Reason Code



**Code List Name:       BADGE STATUS CODES**

---

This code indicates the status of an identification badge.

Code	Description
O	Original
R	Reissue/Replacement
E	Reissue for Errors

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8509_3	BADGE_STAT_CD	Access Location Badge	Access Location Badge Status Code

**Code List Name: BIA**

This code indicates the existence of available biometric images (fingerprint, palm print, supplemental print, facial photo, and SMT photo) for an Identity in the NGI repository.

Biometric Image(s) Available	Value	Biometric Image(s) Available	Value
None and/or Unsolved	0	IRIS	32
FP	1	FP, IRIS	33
PP	2	PP, IRIS	34
FP, PP	3	FP, PP, IRIS	35
SP	4	SP, IRIS	36
FP, SP	5	FP, SP, IRIS	37
PP, SP	6	PP, SP, IRIS	38
FP, PP, SP	7	FP, PP, SP, IRIS	39
PHF	8	PHF, IRIS	40
FP, PHF	9	FP, PHF, IRIS	41
PP, PHF	10	PP, PHF, IRIS	42
FP, PP, PHF	11	FP, PP, PHF, IRIS	43
SP, PHF	12	SP, PHF, IRIS	44
FP, SP, PHF	13	FP, SP, PHF, IRIS	45
PP, SP, PHF	14	PP, SP, PHF, IRIS	46
FP, PP, SP, PHF	15	FP, PP, SP, PHF, IRIS	47
PSMT	16	PSMT, IRIS	48
FP, PSMT	17	FP, PSMT, IRIS	49
PP, PSMT	18	PP, PSMT, IRIS	50
FP, PP, PSMT	19	FP, PP, PSMT, IRIS	51
SP, PSMT	20	SP, PSMT, IRIS	52
FP, SP, PSMT	21	FP, SP, PSMT, IRIS	53
PP, SP, PSMT	22	PP, SP, PSMT, IRIS	54
FP, PP, SP, PSMT	23	FP, PP, SP, PSMT, IRIS	55
PHF, PSMT	24	PHF, PSMT, IRIS	56
FP, PHF, PSMT	25	FP, PHF, PSMT, IRIS	57
PP, PHF, PSMT	26	PP, PHF, PSMT, IRIS	58
FP, PP, PHF, PSMT	27	FP, PP, PHF, PSMT, IRIS	59
SP, PHF, PSMT	28	SP, PHF, PSMT, IRIS	60
FP, SP, PHF, PSMT	29	FP, SP, PHF, PSMT, IRIS	61
PP, SP, PHF, PSMT	30	PP, SP, PHF, PSMT, IRIS	62
FP, PP, SP, PHF, PSMT	31	FP, PP, SP, PHF, PSMT, IRIS	63

**Code List Name:**        **BIA (Continued)**

---

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.2031	BIA	Biometric Image Available	
Type-2 User-Defined Descriptive Text Record	2.2033_8	BIA	Candidate Investigative List	Biometric Image Available

**Code List Name: BIOMETRIC CAPTURE DEVICE CONFORMANCE CODES**

---

Code that indicates if the equipment used originally to acquire the image was certified to conform to Appendix F specifications. (The list of certified products at <http://fbibiospecs.org>)

Code	Description
APPF	Confirmed to IAFIS Appendix F
NONE	Not Confirmed

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.127_1	AFS	M1 Capture Equipment Identification	Appendix F Status

**Code List Name: BIOMETRIC IMAGE CODES**

Code values to be used in an electronic latent submittal to identify the Type-7 or Type-13 records.

Code	Description
1	Fingerprint (event)
2	Lower Joint
3	Palmprint
4	Toe Print
5	Foot Print
6	Supplemental Print
7	Latent Friction Ridge
8	Composite Fingerprint
9	Photo Facial
10	Photo Scar, Mark, & Tattoo
11	Iris
12	Fingerprints on Front of Palm Card
13	Fingerprints on Back of Palm Card

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.062	IMT	Image Type	
Type-2 User-Defined Descriptive Text Record	2.2028_2	IMT	Biometric Image Description	Image Type
Type-2 User-Defined Descriptive Text Record	2.2032_5	IMT	Audit Trail Record	Image Type Disseminated
Type-2 User-Defined Descriptive Text Record	2.2033__4	IMT	Candidate Investigative List	Image Type

**Code List Name: BIOMETRIC MODALITY CODES**

This code is used to identify the type of biometric technology. This specification adopts the values presented in CBEFF with the addition of two leading zeros for future expansion.

Biometric Code	Biometric Type Name
'00000000'	No Information Given
'00000001'	Multiple Biometrics Used
'00000004'	Voice
'00000020'	Retina
'00000040'	Hand Geometry
'00000080'	Signature Dynamics
'00000100'	Keystroke Dynamics
'00000200'	Lip Movement
'00000400'	Thermal Face Image
'00000800'	Thermal Hand Image
'00001000'	Gait
'00002000'	Body Odor
'00008000'	Ear Shape
'00010000'	Finger Geometry
'00040000'	Vein Pattern

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-99 CBEFF Biometric Data Record	99.101	BTY	Biometric Type	

**Code List Name:**        **BLOOD TYPE CODES**

---

This code indicates blood type of the biometric subject.

Code	Description
AUNK	A Unknown
BUNK	B Unknown
OUNK	O Unknown
APOS	A Positive
OPOS	O Positive
BPOS	B Positive
ABPOS	AB Positive
ANEG	A Negative
ONEG	O Negative
BNEG	B Negative
ABNEG	AB Negative
UNKWN	Unknown
ABUNK	AB Unknown

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8013_1	BLTCD	Biometric Subject Blood Type	Blood Type Code

**Code List Name: BODY BUILD CODES**

---

This code indicates the physique of an individual.

Code	Description
L	Large/Heavy
M	Medium/Average
S	Small/Slender

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.852	SUBJ_BUILD	Biometric Subject Body Build	



**Code List Name: BOUNDARY DEFINITION CODES**

Code that defines the shape of a boundary of a feature within an image.

Code	Type	Points	Description
C	Circle	2	The boundary is defined by two points: the center is defined in the first point, and any point on the circle is defined as the second point.
E	Ellipse	3	The boundary is defined by three points: both endpoints of one of the ellipse's axes are defined in the first and second points, and one endpoint from the other axis is defined in the third item.
P	Polygon	N (up to 99)	The boundary is defined as a n-vertex, where 'n' is between 3 and 99. The order of the vertices must be in consecutive order around the perimeter of the polygon, either clockwise or counter clockwise. No two vertices may occupy the same location. The polygon side defined by the last point and the first point shall complete the polygon. The polygon must be a single plane figure with no sides crossing and no interior holes.

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-17 Iris Image Record	17.033_1	BYC	Boundary Code	
Type-17 Iris Image Record	17.034_1	BYC	Iris Sclera Boundary	Boundary Code
Type-17 Iris Image Record	17.035_1	BYC	Upper Eyelid Boundary	Boundary Code
Type-17 Iris Image Record	17.036_1	BYC	Lower Eyelid Boundary	Boundary Code

**Code List Name:**        **BSI**

---

Biometric Set Indicator code used to identify the specific biometric set being requested

Code	Description
IMT	Representative set for image type specified
IMT, BSI	Specific image set specified in the BSI of that image type specified
IMT, FNR	The friction ridge position image of the representative set for the image type specified
BSI, FNR	The finger position image of the specific image set specified in the BSI
IMT, BSI, FNR	The finger position image of the specific image set specified in the BSI of that image type specified

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.2028	BSI	Biometric Set Identifier	

**Code List Name: CALENDAR CODES**

---

This code indicates the type of calendar that the date is being specified in.

Code	Description
G	Gregorian
I	Islamic
C	Chinese
H	Hebrew

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8003_3	CALTYP	Biometric Subject Birth Date	Calendar Type
Type-2 User-Defined Descriptive Text	2.8005_3	CALTYP	Biometric Subject Death Date	Calendar Type

**Code List Name: CAPTURE DEVICE MONITORING MODE CODES**

Code to describe the level of human monitoring that was associated with the biometric sample capture.

Code	Description
CONTROLLED	Operator physically controls the subject to acquire the biometric sample
ASSISTED	Person available to provide assistance to subject submitting the biometric
OBSERVED	Person present to observe operation of the device but provides no assistance
UNATTENDED	No one is present to observe or provide assistance
UNKNOWN	No information is known

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.030	DMM	Device Monitoring Mode	
Type-14 Variable Resolution Fingerprint Image	14.030	DMM	Device Monitoring Mode	
Type-15 Variable-Resolution Palmprint Image Record	15.030	DMM	Device Monitoring Mode	
Type-17 Iris Image Record	17.030	DMM	Device Monitoring Mode	

**Code List Name:       CARDINALITY CODES**

---

Code that describes the cardinality: one to one (S), one to many (D), or many-to-one (M) of how the source representation record relates to other record(s) within the transaction.

Code	Description
S	The representation in this Type
D	The representation in this Type
M	A single biometric type record, excluding Type

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-20 Source Representation Record	20.003	CAR	SRN Cardinality	

**Code List Name:** CAVEAT CATEGORY CODES

---

This code specifies the kind of caveat described in the text field.

Code	Description
CAVEAT	A warning or caution
USAGE	Instructions on how to use the content
INFO	General information
DISCLAIMER	A statement that formally denies legal claim and renounces some or all liability
HANDLING	Instruction on how to coordinate on operations such as packaging and movement of content

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8399_5	CAV_CAT_CD	Caveat	Caveat Category Code

**Code List Name: CBEFF FORMAT OWNER CODES**

---

Code that is the identification of the CBEFF Format Owner assigned by the International Biometric Industry Association (IBIA) to INCITS Technical Committee M1. The information item shall contain the value "27".

Code	Description
27	The neighboring minutia lies in the clockwise half of the octant or if there is no neighboring minutiae in the octant

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.126_1	CFO	M1 CBEFF Format Information	CBEFF Format Owner

**Code List Name: CBEFF FORMAT TYPE CODES**

Code that is the assigned a value of "513" (following INCITS 378-2004) if this record contains Field 9.137: FMD without Field 9.138: RCI, Field 9.139: CIN or Field 9.140: DIN. A value of "514" (following INCITS 378-2004) indicates the presence of one of the previously indicated fields. If INCITS 378-2009 is followed, a value of "515" is entered and does not indicate the specific presence or absence of these fields.

Code	Description
513	Record contains only location and angular direction data without any Extended Data Block information
514	Record contains presence of extended data
515	INCITS 378-2009

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.126_2	CFT	M1 CBEFF Format Information	CBEFF Format Type



**Code List Name: CHARACTER ENCODING CODES**

This code specifies the character encoding used in the transmission. The default character encoding for Traditional (Binary) encoding is 7-bit ASCII. For XML, the default is UTF-8.

Code	Character Encoding Name	Description
0	ASCII	7-bit (Default) with zero added in high bit position
2	UTF-16	16 bit (See <i>ISO/IEC 10646-1</i> and <i>The Unicode standard</i> )
3	UTF-8	8-bit (See <i>NWG 3629</i> and <i>The Unicode standard</i> )
4	UTF-32	32-bit (See <i>The Unicode standard</i> )
5-127	.....	Reserved for future use
128-999	.....	User-defined character encoding sets

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-1 Transaction Information Record	1.015_2	DCS	Character Encoding	Character Encoding Set Name

**Code List Name: CHEILIOSCOPIC CHARACTERIZATION CODES**

Code to indicate the characterization of cheilioscopic codes.

Code	Description
Suzuki and Tsuchihashi Descriptors	
I	A clear cut groove running vertically across the lip
IP	Partial-length groove of Type I (IP is used in lieu of I' in coding)
II	Branched groove (fork-like; fork in their transit of the lip)
III	An intersected groove
IV	A reticular groove (cross-hatch or a net-like pattern)
<>	Indicator for center of the lip (left < followed by right > )
O	Other pattern(s) – Describe in <b>LPCT</b> (Also called <b>Type V</b> by Suzuki and Tsuchihashi)

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.049_5	ULCL	Cheilioscopic Image Description	Upper Lip Characterization List
Type-10 Facial, Other Body Part and SMT Image Record	10.049_6	LLCL	Cheilioscopic Image Description	Lower Lip Characterization List

**Code List Name: CLEARANCE CODES**

---

This code specifies the clearance level of the biometric subject.

Code	Description
TOP	Top Secret
SEC	Secret
CNF	Confidential
NON	Non-DoD

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8021_1	CLRCD	Biometric Subject Clearance	Clearance Code
Type-2 User-Defined Descriptive Text	2.8028_12	CLRCD	Employment	Clearance Code

**Code List Name: CODEC TYPE CODES**

---

A data type for a representation of codecs capable of encoding or decoding a digital data stream or signal.

Code	Description
0	Linear PCM
1	Codec Type Reference
2	Other
3	Floating Point linear PCM
4	ITU-T G.711 (PCM): $\mu$ -law with forward order digital samples
5	ITU-T G.711 (PCM): $\mu$ -law with reverse order digital samples
6	ITU-T G.711 (PCM): A-law with forward order digital samples
7	ITU-T G.711 (PCM): A-law with reverse order digital samples

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Record Type-11: Forensic and Investigatory Voice Record	11.014_1	CDC	CODEC	CODEC CODE

**Code List Name: COLOR CLASSIFICATION CODES**

---

This code is the classification of the biometric subject. Red Force includes persons that are Enemy Prisoners of War and Enemy Combatants. Blue Force includes persons that are U.S. Military, DoD Contractors, or DoD civilians. Grey Force includes person that are local nationals, Third Country Nationals or Contractors, or Coalition.

Code	Description
RED	Red Force
GRY	Grey Force
BLU	Blue Force
OTH	Other

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.334	SCC	Submission Color Code	

**Code List Name: COLOR SPACE CODES**

---

Code to indicate the color of the transmitted image.

Code	Description
UNK	Undefined
GRAY	Grayscale (monochrome)
RGB	Undetermined color space for an RGB image
SRGB	sRGB (IEC 61966-2-1)
YCC	YCbCr (legacy)
SYCC	YCbCr (JPEG 2000 compressed)

If the color image type cannot be determined, an entry of “RGB” shall be entered in this field.

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.012	CSP	Color Space	
Type-17 Iris Image Record	17.013	CSP	Color Space	
Type-20 Source Representation Record	20.013	CSP	Color Space	

**Code List Name:        COMPRESSION CODES**

Code to indicate the compression used.

Code	Label	Algorithm	Fidelity	Standards Used
0	NONE	Uncompressed	Lossless	NA
1	WSQ2 0	WSQ (Wavelet Scalar Quantization)	Lossy	Version 3.1:2010
2	JPEGB	JPEG (Joint Photographic Experts Group)	Lossy	ISO/IEC 10918, JFIF 1.02:1992
3	JPEGL	JPEG	Lossless	ISO/IEC 10918, JFIF 1.02:1992
4	JP2	JPEG 2000	Lossy	ISO 15444-1:2004
5	JP2L	JPEG 2000	Lossless	ISO 15444-1:2004
6	PNG	PNG (Portable Network Graphics)	Lossless	ISO/IEC 15948:2004

**Lossy recompression:** Only one lossy compression pass is allowable per image. If an image is received in a lossy compressed format, it shall not be uncompressed and recompressed in the same or different lossy format.

**WSQ caveats:** Any certified WSQ software is able to decode images with an encoder certified for WSQ specification versions 2.0, 3.0 or 3.1. Field 4.008: Compression algorithm / CGA only allows the Code values of 0 and 1. Usage of WSQ 2.0 is allowable for rolled prints. Versions prior to 3.1 shall not be used for other impression types.

**Legacy systems:** Legacy systems may use JPEGB or JPEGL for compressing 500 ppi class images, but no new system shall be built using JPEGB and JPEGL.

**Grayscale:** Grayscale images shall be encoded to represent the luminance channel of the image (not palette-defined grayscale) without an alpha channel.

**1000 ppi friction ridge imagery (including but not limited to latent imagery, palm and Mobile ID):** The specifications in NIST Special Publication 500-28958 shall apply.

**500 ppi friction ridge imagery (not including latent imagery):** The specification in WSQ Gray-scale Fingerprint Image Compression Specification Version 3.1 shall apply.

**Code List Name:        COMPRESSION CODES (Continued)**

**500 ppi latent imagery:** All 500 ppi latent imagery, if compressed, shall be compressed using PNG or other some other lossless compression algorithm as defined in this section. Uncompressed imagery is acceptable for 500 ppi latent prints.

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.011	CGA	Compression Algorithm	
Type-13 Variable Resolution Latent Image Type	13.011	CGA	Compression Algorithm	
Type-14 Variable Resolution Fingerprint Image	14.011	CGA	Compression Algorithm	
Type-15 Variable-Resolution Palmprint Image Record	15.011	CGA	Compression Algorithm	
Type-17 Iris Image Record	17.011	CGA	Compression Algorithm	
Type-20 Source Representation Record	20.011	CGA	Compression Algorithm	



**Code List Name: CONTAINER CODES**

---

A data type for a description of the digital container format which encapsulates audio data in an electronic digital recording file.

Code	Description
0	RAW audio format
1	Container Type Reference
2	Other
3	WAV (RIFF audio)
4	3GP and 3G2 mobile video
5	AIFF
6	MP3 (MPEG-1, Layer 3 Audio)
7	QuickTime (Apple VBR-audio/video/image)
8	Video for Windows
9	Vorbis (OGG audio)
10	Windows Media Type 1
11	Windows Media Type 2

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Record Type-11: Forensic and Investigatory Voice Record	11.013	CONC	CONTAINER	CONTAINER CODE

**Code List Name: CORE INDEX CODES**

---

This code is the (1-based) index of the core corresponding to this count ("1" if only one core is defined). If the relevant core is not defined, this shall be set to "U" to indicate an upper core or "L" to indicate a lower core (whorls only), permitting minimum ridge counts when cores are not in the region of interest.

Code	Description
1-99	Ridge count when cores are not in the region of interest
L	Lower Core (whorls only)
U	Upper Core

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.322_1	CIX	EFS Core-Delta Ridge Counts	Core Index

**Code List Name: COURT DISPOSITION NUMBER CODES**

A code to express the definitive disposition information about a Subject for a particular Arrest.

Court Disposition	Description
CONVICTED	Judicial finding of guilty of a crime in adult court, by verdict or plea
ACQUITTED	Finding, by jury or judge, that a person is not guilty of the charged offense
DISMISSED	Decision by the court that terminates prosecution; limited to court actions only, including Vacated, and Stricken on Leave, and Set Aside
CHARGES DROPPED	Use for arrest disposition only
NOT PROSECUTED	Use for events that end at the arrest, grand jury or prosecution phase – Nolle Prosequi, No Bill, Not Filed, No Action Taken
MENTAL HEALTH ADJUDICATION	Court action to suspend prosecution while determining competence to stand trial or a finding of not guilty by lack of mental responsibility. Meets qualifying criteria for mental defective. Includes Acquittal or Dismissal by Reason of Insanity.
DIVERSION	Referral to a program intended to enable alleged offenders to avoid criminal charges and a criminal record. Diversion programs may be run by law enforcement agencies, courts, prosecutors, or outside agencies. An offender may be referred to a diversion program before charges are brought, before trial commences, or before sentence is imposed. Includes Pre-Trial, Adult, Juvenile diversion and Probation before Judgment.
CONDITIONAL	Court outcome involving the absence of determination of guilt. If the type is based on conditions set by the court, the outcome may change if the conditions are satisfied. Includes Adjudication Withheld, Conditional Discharge, Non-Adjudication of Guilt, and Retirement.
JUVENILE ADJUDICATION	Court adjudication of delinquency or imposition of juvenile sanctions in adult court; not limited to felonies. This would be a conviction if the subject was treated as an adult. Includes Juvenile Delinquency and Youthful Offender.
REVOCATION	An annulment, cancellation or reversal of a finding of guilty
EXTRADITED	The official surrender of an alleged criminal by one jurisdiction to another; the return of a fugitive from justice, regardless of consent, by the authorities where the fugitive resides. Use for arrest dispositions only.
TRANSFERRED	The removal of a case from the jurisdiction of one court or judge to another. Includes Remanded (case sent back to court for further action)
CONDITIONAL	Court outcome involving the absence of determination of guilt. If the type is based on conditions set by the court, the outcome may change if the conditions are satisfied. Includes Adjudication Withheld, Conditional Discharge, Non-Adjudication of Guilt, and Retirement.

**Code List Name: COURT DISPOSITION NUMBER CODES (Continued)**

BAIL/BOND FORFEITURE	Money or property lost or confiscated by this process; a penalty. This may be a disposition in older, legacy records.
DEFERRED	Postponed or delayed, could relate to prosecution, sentence, judgment or disposition.
UNAVAILABLE	This will be entered by the state repository if the final disposition is unavailable. This code may be used when, upon thorough research, the disposition could not be found or was purged in accordance to record retention schedules.
DESTROYED	This will be entered by the state repository if the disposition could not be found due to destruction through a fire or a natural disaster.
OTHER	If using "OTHER" it is mandatory to provide detail or description under the COL information item.

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.051	CDN	Court Disposition	

**Code List Name: DELTA INDEX CODES**

---

This code is the (1-based) index of the delta corresponding to this count ("1" if only one delta is defined). If the relevant delta is not defined, this shall be set to "L" to indicate a left delta or "R" to indicate a right delta, permitting minimum ridge counts when deltas are not in the region of interest.

Code	Description
1-99	Ridge count when cores are not in the region of interest
L	Left Delta
R	Right Delta

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.322_2	DIX	EFS Core-Delta Ridge Counts	Delta Index

**Code List Name: DENTAL IMAGE CODES**

Code that categorizes the dental image.

View Type	View Position / Type	View Code	Description
IMT = EXTRAORAL			Image is taken from outside of the oral cavity. IMT = EXTRAORAL is not intended for use on living individuals. IMT = FACE should be used for living individuals and those images shall adhere to the photographic guidelines in Annex E: Facial Capture – SAPs 30 and above (ANSI NIST ITL 2011: Update 2013)
	<b>Frontal</b>		Image should fill at least 90% of the image and extend from above the top of the head to the inferior border of the hyoid bone. Both the Frankfort horizon line and the interpupillary line should be at right angles to the image with no rotation of the head. The image should be centered on the midline of the face both vertically and horizontally.
	Natural state	EFNS	The subject's face without any incisions performed by the medical examiner or coroner.
	With incisions present	EFWI	Image taken after incisions made that were part of the examination of the subject
	Lips retracted	EFLR	Image with device present that retracts the lips
	<b>Oblique (45°)</b> LEFT RIGHT	EFOL EFOR	Image should fill at least 90% of the image and extend from above the top of the head to the inferior border of the hyoid bone. The subject's head is rotated 45°. This position is independent of the size of the nose in contrast to the alignment of the nose with the cheek. Focus point and center of the picture is on the Frankfort horizontal line at the junction with the lateral acanthus. The lower margin is the steno-clavicular joint.

**Code List Name: DENTAL IMAGE CODE (Continued)**

	<i>Profile (90°)</i> LEFT RIGHT	EFPL EFPR	Image should fill at least 90% of the image and extend from above the top of the head to the inferior border of the hyoid bone. The head should be positioned so that the ala-tragus line is parallel to the floor of the jaw in the rest position. The head should be turned so that the contralateral eyebrow is barely visible. The image should be centered midline of the face both horizontally and vertically.
<b>IMT = INTRAORAL</b>			These are images focused upon the interior of the oral cavity. They need not be captured with the imager actually inserted into the oral cavity.
	<i>Frontal</i>		The lips should be retracted and the image should be parallel to the occlusal plane. The image should be center between the occlusal plane and the midline of the maxillary central incisors.
	Jaws open – upper (maxillary) teeth	IFJU	The image is taken from the front of the mouth and shows a view of the upper (maxillary) teeth. This code should be selected when the lower jaw is not present on the subject or there are no upper teeth present on the subject.
	Jaws open – lower (mandibular) teeth	IFJL	The image is taken from the front of the mouth and shows a view of the upper (maxillary) teeth. This code should be selected when there are no lower teeth present on the subject.
	Jaws open – both sets of teeth	IFJB	The image shows the full set of teeth, including anterior teeth as well as a partial view of the premolar and possibly the first molar region. This is the most common code associated with an intraoral frontal view.
	<i>Facial (cheek side)</i>		The tongue should be placed so that it is not in the image.
	Subject's upper right (maxillary) teeth	IBUR	The image should extend from the right maxillary canine to as far distally as possible. Ideally the right maxillary second molar should be included.

**Code List Name: DENTAL IMAGE CODE (Continued)**

	Subject's right teeth – both sets	IBRB	The image should extend from the right canines to as far distally as possible. Ideally the right second molars should be included.
	Subject's left teeth – both sets	IBLB	The image should extend from the left canines to as far distally as possible. Ideally the left second molars should be included.
	Subject's upper left (maxillary) teeth	IBUL	The image should extend from the left maxillary canine to as far distally as possible. Ideally the left maxillary second molar should be included.
	Subject's lower right (mandibular) teeth	IBLR	The image should extend from the right mandibular canine to as far distally as possible. Ideally the right mandibular second molar should be included.
	Subject's lower left (mandibular) teeth	IBLL	The image should extend from the left mandibular canine to as far distally as possible. Ideally the left mandibular second molar should be included.
	<b><i>Lingual (from the tongue / palatal side of the teeth)</i></b>		The tongue should be placed so that it is not in the image.
	Subject's upper right (maxillary) teeth	ILUR	The image should extend from the right maxillary canine to as far distally as possible. Ideally the right maxillary second molar should be included.
	Subject's upper left (maxillary) teeth	ILUL	The image should extend from the left maxillary canine to as far distally as possible. Ideally the left maxillary second molar should be included.
	Subject's lower right (mandibular) teeth	ILLR	The image should extend from the right mandibular canine to as far distally as possible. Ideally the right mandibular second molar should be included.
	Subject's lower left (mandibular) teeth	ILLL	The image should extend from the left mandibular canine to as far distally as possible. Ideally the left mandibular second molar should be included.
	Subject's right teeth – both sets	ILRB	The image should extend from the right canines to as far distally as possible. Ideally the right second molars should be included.
	Subject's left teeth – both sets	ILLB	The image should extend from the left canines to as far distally as possible. Ideally the left second molars should be included.



**Code List Name: DENTAL IMAGE CODES (Continued)**

	Subject's upper front teeth	ILUF	The image should include left maxillary canine to right maxillary canine.
	Subject's lower front teeth	ILLF	The image should include left mandibular canine to right mandibular canine.
	<b><i>Occlusal (biting edge)</i></b>		These images are of the occlusal surfaces of the teeth. The images should be taken perpendicular to the plane of the teeth surface.
	Subject's full upper (maxillary) teeth	IOUA	This view should include all anterior teeth, all premolars and at least the maxillary first molar.
	Subject's full lower (mandibular) teeth	IOLA	This view should include all anterior teeth, all premolars and at least the mandibular first molar.
	Subject's upper right (maxillary) teeth	IOUR	This view should include all anterior teeth, all premolars and at least the maxillary first molar.
	Subject's upper left (maxillary) teeth	IOUL	This view should include all anterior teeth, all premolars and at least the maxillary first molar.
	Subject's lower right (mandibular) teeth	IOLR	This view should include all anterior teeth, all premolars and at least the mandibular first molar.
	Subject's lower left (mandibular) teeth	IOLL	This view should include all anterior teeth, all premolars and at least the mandibular first molar.
	Subject's upper front teeth		This image should contain the occlusal surface of the teeth from left maxillary canine to right maxillary canine.
	Subject's lower front teeth		This image should contain the occlusal surface of the teeth from left mandibular canine to right mandibular canine.
	<b><i>Palatal</i></b>		This is a view of the 'roof' of the mouth. The rugae should be in focus with an adequate depth of field, since they may be useful in subject identification. This image should be taken if the subject has a cleft palate or other abnormality. It should also be taken when the palate is tattooed.
	Subject's palate (including rugae)		This should be a centred view of the palate.
	<b><i>Tongue</i></b>		This view should be used if there is any jewellery, piercing abnormalities of the tongue (including 'ornamental disfiguration') and tattoos.

**Code List Name: DENTAL IMAGE CODES (Continued)**

	Upper tongue surface		This view should be taken with the tongue as flat as possible.
	Lower tongue area		This view should be taken with the tongue raised or in retroflex position, centered on the frenulum.
	<b><i>Cheeks</i></b>		This view should be used if there is any jewelry piercing, abnormalities of the cheek (including 'ornamental disfiguration') and tattoos.
	Subject's right interior cheek		This view should be centered on the right oral linea alba and should include the right parotid papilla.
	Subject's left interior cheek		This view should be centered on the left oral linea alba and should include the left parotid papilla.
	<b><i>Pharynx</i></b> back of mouth		This view is focused upon the soft tissue at the back of the mouth. It should include the uvula and oropharynx regions.
	<b><i>Inside of lips</i></b>		This view should be used if there is any jewelry piercing, abnormalities of the lip, (including 'ornamental disfiguration') and tattoos.
	Upper inside lip	ILU	This image should be captured of the maxillary vestibule if there is a significant finding (i.e., tattoo or oral lesion) or an abnormality of the superior labial frenulum such as connecting to the palate between the front teeth.
	Lower inside lip	ILL	This image should be captured of the mandibular vestibule if there is a significant finding (i.e., tattoo or oral lesion) or an abnormality of the inferior labial frenulum such as connecting to the palate between the front teeth.

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.050_1	VIVC	Dental Visual Image Data Information	Visual Image View Code

**Code List Name: DENTAL RECORD AVAILABLE INDICATION CODES**

---

Code that indicates if there is a dental record available for the subject.

Code	Description
0	No
1	Yes
2	Unknown

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-18 DNA Record	18.006_6	DRA	Sample Donor Information	Dental Records Available

**Code List Name: DESIGNATED REPOSITORY NAME CODES**

Repository name and number assigned by the CJIS Division.

Code	Description
1	Criminal Master File Records
2	Civil Records
3	Unsolved Biometric File
4	Reserved for FBI use
5	Reserved for FBI use
6	Repository for Individuals of Special Concern (RISC)
7	Canada Real Time Identification (RTID)
8	DoD Automated Biometric Identification System (ABIS)
9	DHS IDENT/US-VISIT
10	DHS IDENT/US-VISIT and LESC
11	RISC Wants and Warrants (W&W)
12	RISC Sexual Offender Registry (SOR)
13	RISC Known and Suspected Terrorist (KST)
14	RISC Foreign Subjects of Interest (FSI)
15	RISC Persons of Special Interest (Other)
16	Internal Use Only
17-19	Reserved for FBI Future Use
20 - 50	Reserved for Department of Defense
51 - 100	Reserved for FBI Future Use
101-199	FBI or Other Federal Organization Special Population Cognizant Files
200-399	Reserved for State/Local System
400-699	Reserved for External FBI Use
700-999	Reserved for FBI Future Use

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.098	NDR	Name of Designated Repository	
Type-2 User-Defined Descriptive Text	2.2033_9	NDR	Candidate Investigative List	Name of Designated Repository
Type-2 User-Defined Descriptive Text	2.8109_1	NDR	Repository Candidate List	Name of Designated Repository
Type-2 User-Defined Descriptive Text	2.8206_1	NDR	Additional Response	Name of Designated Repository
Type-2 User-Defined Descriptive Text	2.8207_1	NDR	Request Secondary Search	Name of Designated Repository
Type-2 User-Defined Descriptive Text	2.850_3	MOD_REPO	Biometric Modality Available	Name of Designated Repository
Type-2 User-Defined Descriptive Text	2.851_3	MODR_REPO	Biometric Modality Repository	Name of Designated Repository

**Code List Name:        DEVICE UNIQUE IDENTIFIER CODES**

---

Code that indicates whether the identifier is a Host PC MAC address or Host PC processor ID. It will be the first character in the string.

Code	Description
M	Host PC MAC address
P	Host PC processor ID

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-14 Variable Resolution Fingerprint Image	14.903	DUI	Device Unique Identifier	n/a
Type-99 CBEFF Biometric Data Record	99.903	DUI	Device Unique Identifier	

**Code List Name: DIARIZATION INDICATOR CODES**

---

A diarization Indicator Code.

Code	Description
0	There is no accompanying diary.
1	The presence of content diary.

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Record Type-11: Forensic and Investigatory Voice Record	11.025_1	DII	VOCAL CONTENT	DIARIZATION INDICATOR
Record Type-11: Forensic and Investigatory Voice Record	11.027_1	DII	OTHER CONTENT	DIARIZATION INDICATOR

**Code List Name:       DISTORTION CODES**

---

Code to indicate the nature of the distortion.

Code	Description
UNK	Undefined
GRAY	Greyscale (monochrome)
RGB	Undetermined color space for an RGB image

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.018_1	IDK	Distortion	Distortion Code

**Code List Name: DISCONTINUITY INDICATOR CODES**

A Redaction/Discontinuity Indicator Code.

Code	Description
0	No redaction occurred or there are no discontinuous signals on the recording
1	Redaction has occurred or there are discontinuities.
2	The organization creating this record is not able to assert or does not assert that redaction has occurred or not occurred/there are or are not discontinuities in the recording.

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Record Type-11: Forensic and Investigatory Voice Record	11.023_1	DCI	DISCONTINUITIES	DISCONTINUITY INDICATOR



**Code List Name:       DISTORTION MEASUREMENT CODES**

---

Code to indicate the method of measuring the distortion.

Code	Description
E	Estimated
C	Calculated

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.018_2	IDM	Distortion	Distortion Measurement Code

**Code List Name:       DISTORTION SEVERITY CODES**

---

Code to indicate the nature of the distortion.

Code	Description
Mild	Mild distortion
Moderate	Moderate distortion
Severe	Severe distortion

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.018_3	DSC	Distortion	Distortion Severity Code

**Code List Name: DNA GENOTYPE DISTROBUTION CODES**

---

Code that indicates the informative genotype representation type of DNA information.

Code	Description
0	Likelihood
1	Probability

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-18 DNA Record	18.020	DGD	DNA Genotype Distribution	n/a

**Code List Name: DNA KIT ID CODES**

---

Code that indicates the type of STR profile.

**Full list maintained by NIST:** [http://www.nist.gov/itl/iad/ig/ansi\\_references.cfm](http://www.nist.gov/itl/iad/ig/ansi_references.cfm)

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-18 DNA Record	18.016_12	KID	DNA Profile Data	Kit ID

**Code List Name: DNA LABORATORY ACCREDITATION SCOPE CODES**

---

Code that defines the scope of the accreditation of the laboratory where the DNA processing was performed.

Code	Description
N	Nuclear
M	Mitochondrial
D	Database
O	Other

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-18 DNA Record	18.003_2	LTY	DNA Laboratory Setting	Lab Type

**Code List Name: DNA LABORATORY NUMBER OF ANALYSES CODES**

---

Code that indicates whether the DNA record contains multiple data analyses or a single data analysis.

Code	Description
0	Multiple
1	Single

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-18 DNA Record	18.005	NAL	Number of Analysis Flag	n/a

**Code List Name: DNA LABORATORY SETTING ACCREDITATION STATUS CODES**

Code that defines the accreditation status of the laboratory where the DNA processing was performed.

Code	Description
0	No Accreditation
1	ISO Accreditation
2	GLP Accreditation
3	AABB Accreditation
4	ISO/ILAC Guide 19 Accreditation
5	ASCLD Lab Accreditation
6	Other
255	Unknown

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-18 DNA Record	18.003_3	ACC	DNA Laboratory Setting	Accreditation Information

**Code List Name: DNA LABORATORY SETTING LAB TYPE CODES**

---

Code that defines the type of the laboratory where the DNA processing was performed.

Code	Description
G	Government
I	Industry
O	Other Laboratory
U	Unknown

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-18 DNA Record	18.003_2	LTY	DNA Laboratory Setting	Lab Type



**Code List Name: DNA LABORATORY SETTING UNIT TYPE CODE**

---

Code that defines the setting of the laboratory where the DNA processing was performed.

Code	Description
1	Laboratory DNA processing unit.
2	Rapid DNA / Mobile processing unit.
3	Other
4	Unknown

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-18 DNA Record	18.003_1	DLS	DNA Laboratory Setting	Unit Type

**Code List Name: DNA LOCI**

---

Code that indicates the loci type.

**Full list maintained by NIST:** [http://www.nist.gov/itl/iad/ig/ansi\\_references.cfm](http://www.nist.gov/itl/iad/ig/ansi_references.cfm)

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-18 DNA Record	18.021	GAP	DNA Genotype Allele Pair	Genotype Locus Reference

**Code List Name: DNA PROFILE TYPE CODES**

---

Code that indicates the DNA sample profile type.

Code	Description
0	Person (DNA sample collected from an identified or referenced individual)
1	Stain (DNA sample collected from an unknown human remain or piece of evidence)

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-18 DNA Record	18.015_1	PTP	DNA Profile Data	Profile Type

**Code List Name: DNA PROFILE RESULT CODES**

---

Code that indicates the result of the DNA analysis.

Code	Description
0	Unable to process
1	No hit
2	Hit
3	Hit, high/exact
4	Hit, moderate
5	Hit, low
6	Additional results / details
7	User-defined 2
8	User-defined 3
9	User-defined 4
10	User-defined 5

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-18 DNA Record	18.015_2	RES	DNA Profile Data	Result

**Code List Name: DNA SAMPLE CELLULAR CODES**

---

Code that indicates the origination cell type from where the sample was collected.

Type-Code	Description
0	Blood
1	Bone
2	Co-mingled Biological Material
3	Hair
4	Saliva
5	Semen
6	Skin
7	Sweat or Fingerprint
8	Tissue
9	Tooth
10	Other
11	Unknown

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-18 DNA Record	18.010_1	SCT	Sample Type	Sample Cellular Type

**Code List Name: DNA SAMPLE DONOR CODES**

Code that indicates whether the source of the DNA sample.

Code	Description
0	Subject of the record is also the subject of the transaction.
1	Claimed, purported or validated relative (subject of the record is known to be a different person than the subject of the transaction).
2	Unknown source (subject of the record may be different but need not be different than the subject of the transaction – such as when a dismembered body part’s DNA is to be compared against the DNA of the body part already established to be associated with the subject of the transaction).

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-18 DNA Record	18.006_1	DSD	Sample Donor Information	DNA Sample Donor

**Code List Name: DNA SAMPLE DONOR GENDER CODES**

---

Code that indicates the gender of the DNA sample donor.

Code	Description
M	Male
F	Female
U	Unknown

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-18 DNA Record	18.006_2	DSD	Sample Donor Information	Gender ID

**Code List Name: DNA SAMPLE DONOR STATUS CODES**

---

Code that indicates if there is a dental record available for the subject.

Code	Description
0	Deceased
1	Missing Person
2	Unknown

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-18 DNA Record	18.006_8	SDS	Sample Donor Information	Sample Donor Status



**Code List Name: DNA SAMPLE TYPING AVAILABILITY CODES**

---

Code that indicates the technology utilized to type the DNA sample.

Code	Description
0	Nuclear (indicates presence of Field 18.016)
1	mtDNA (indicates presence of Field 18.017)
2	Electropherogram data (indicates presence of Field 18.019)
3	Electropherogram ladder (indicates presence of Field 18.023)
4	User-defined profile data (indicates presence of Field 18.018)

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-18 DNA Record	18.011	STI	Sample Typing Information	n/a

**Code List Name: DNA STR TYPE CODES**

---

Code that indicates the type of STR profile.

Code	Description
0	Autosomal STR Profile
1	X-STR Profile
2	Y-STR Profile

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-18 DNA Record	18.016_1	DST	DNA Profile Data	DNA STR Type

**Code List Name: DOD EBTS APPROVED LOGICAL RECORD NUMBER CODES**

The record identifier character(s) code that identifies the record type approved by DoD EBTS.

Code	Description
1	Transaction information
2	User-defined descriptive text
4	Fingerprint Image (High-Resolution Grayscale - Deprecated, EBTS 1.2 Only)
7	Latent Image (Binary - Deprecated, EBTS 1.2 only)
9	Minutiae data
10	Facial & SMT image
11	Forensic and Investigatory Voice (New with EBTS 4.0)
13	Variable-resolution latent image
14	Variable-resolution fingerprint image
15	Variable-resolution palmprint Image
16	Iris Image (Interim Support - Deprecated, EBTS 1.2 only)
17	Iris image
18	DNA Data
20	Source Representation
21	Associated Context
99	CBEFF Biometric data record

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-1 Transaction Information Record	1.003_2a	LEN	Transaction Content	Record Category Code
Record Type-11: Forensic and Investigatory Voice Record	11.001		Transaction Content	Record Category Code

**Code List Name: EDUCATION CODES**

---

This code indicates highest level of education of the individual in question.

Code	Description
1	PRIMARY
2	SECONDARY
3	ASSOCIATE
4	BACHELOR'S
5	MASTER'S
6	DOCTORATE
7	LANGUAGE TRAINING
8	HIGH SCHOOL
9	FLIGHT TRAINING
10	OTHER VOCATIONAL SCHOOL
11	OTHER

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.853	SUBJ_ED	Biometric Subject Education	

**Code List Name: EFS CENTER POINT OF REFERENCE METHOD CODES**

This information item is the method of determining the X, Y location. It is a one character value.

Code	Name	Description
L	Lateral Center Only	The center location is defined laterally (across the finger) but is not meaningful in the other dimension (longitudinally, or along the finger), such as for defining the center line of arches, tips, and lower joints. Lateral center is only meaningful if the orientation ( <b>Field 9.301: EFS orientation / ORT</b> ) is known; the point marked is the center with respect to the orientation angle.
0	Uppermost Point of the ridge with greatest curvature	For a fingerprint with a known or estimated orientation, the center point is determined by finding the highest point of each ridge that is convex and pointing upward, and measuring the curvature/peak angle by following the ridge 1.63 mm (0.064 in) in both directions from that point. The point with the minimum angle (greatest curvature) is the center point of reference.
1	Overall fingerprint focal point	The overall fingerprint focal point is the point where the lines perpendicular to ridge flow converge.
H	Human estimate of finger center	Human estimation of the approximate center of distal fingerprint pad, used when methods 0 or 1 are not practical.

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.323_1	CPM	EFS Center Point of Reference	Method

**Code List Name: EFS CORRESPONDING FIELD NUMBER CODES**

---

This code is conditional, used only if **TOC** = F or DF. The Field Number information item indicates the type of field being compared.

Code	Description
320	Cores
321	Deltas
324	Distinctive Characteristics
331	Minutiae
340	Dots
341	Incipient Ridges
342	Creases and Linear Discontinuities
343	Ridge Edge Features
345	Pores
373	Ridge Path Segments

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.361_3	CFN	EFS Corresponding Points or Features	Corresponding Field Number
Type-9 Minutiae Data Record	9.381_1	FTF	EFS Feature Color	Feature – Field Number

**Code List Name: EFS CREASE TYPES CODES**

This code indicates the type of crease or linear discontinuity. If Field 9.302: FPP indicates a palm (has a value 20 through 38 (inclusive) or 81 through 84 (inclusive)), then TPD may be set to RLC, PTC, DTC, WC or PDC. If Field 9.302: FPP indicates a finger or a palm that includes fingers (has a value 0 through 10 (inclusive) or 16, 17, 21, 23, 26, 28), then TPD may be set to DIP, PIP or PDC.

Code	Description
DIP	"Distal Interphalangeal Crease" - Finger between medial and distal segments, or Thumb between proximal and distal segments
PIP	"Proximal Interphalangeal Crease" - Finger between proximal and medial segments
PDCXX	"Proximal Digital Crease" - Finger or Thumb at Palm. The 2-digit position code for the relevant finger is appended to the string PDC. The fingerprint position code is 00 if the finger position cannot be determined
RLC	"Rafial Longitudinal Crease" - Palm around base of thumb (also known as the bottom crease)
PTC	"Proximal Transverse Crease" - Diagonal Across the palm (also known as the middle crease)
DTC	"Distal Transverse Crease" - Palm at base of interdigital area (also known as the top crease)
EC	"Wrist Crease" - Wrist (also known as the wrist bracelet)

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.342_5	TPD	EFS Creases and Linear Discontinuities	Type

**Code List Name: EFS DELTA TYPE CODES**

This code specifies the type of delta.

Applies to	Code	Name	Description
Fingerprint	L	Left fingerprint delta	The delta to the left of the image for whorls or right loops. For accidentals with more than two deltas, this indicates the leftmost delta.
Fingerprint	R	Right fingerprint delta	The delta to the right of the image for whorls or left loops. For accidentals with more than two deltas, this indicates the rightmost delta.
Palm	I00,I02-I05,I07-I10,I16,I17	Interdigital delta (with finger number)	The deltas at the base of the fingers in the interdigital areas. The finger number shall be noted if known (2 to 5, 7 to 10, or 16 or 17, selected from <b>Table 8 Friction ridge position code &amp; recommended image dimensions</b> ), else set to 0. Note that thumbs do not have interdigital deltas.
Palm	C	Carpal delta	The delta at the base of the palm where the thenar and hypothenar meet.
Fingerprint, Palm, or Foot	<NULL>	Other delta	Any other delta or delta-like structure in a friction ridge impression.

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.321_6	DTP	EFS Deltas	Type



**Code List Name: EFS DISTINCTIVE FEATURES TYPE CODES**

This code indicates unusually discriminating features that are not fully defined using other Extended Friction Ridge features. The characteristics noted in this field are specific to the friction skin itself, as opposed to issues specific to the impression (such as smudging) that are noted in Field 9.357: LQI. When no distinctive features are present, this field shall not be used.

Code	Description
SCAR	Scar
WART	Wart or Blister
MINGROUP	Unusual group or cluster of minutiae
CORE	Unusually distinctive core area
DELTA	Unusually distinctive delta area
MINUTIA	Unusually shaped minutia
CREASE	Unusually distinctive crease
CLEAR	Large clear field of ridges or Large clear area with no minutiae
DYSPLASIA	Dissociated ridges/ dysplasia
OTHERFEAT	Other unusual features not characterized elsewhere; details should be noted in comments

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.324_1	DIT	EFS Distinctive Features	Distinctive Feature Type

**Code List Name: EFS EVIDENCE OF FRAUD TYPE CODES**

This code indicates the potential type of fraud attempted as determined from the impression.

Code	Description
EVA	"Evidence of Evasion" - Evasion includes actions that prevent/lessen the likelihood of matching such as by degrading or obscuring physical characteristics or mutilating fingers.
SPO	"Evidence of Spoofing" - Spoofing includes purposefully attempting to be identified as a different person in a biometric system; techniques include modifying biological characteristics and using fabricated characteristics.
FOR	"Evidence of Forged Evidence" - Forged evidence is forensic evidence that was fraudulently placed on the surface from which it was collected, using another mechanism or device than the natural contact with friction ridge skin.
FAB	"Evidence of Fabricated Evidence" - Fabricated evidence is forensic evidence that never existed on the surface from which it was supposedly collected.

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.354_1	FRA	EFS Evidence of Fraud	Value Assessment Code

**Code List Name: EFS EXAMINER COMPARISON DETERMINATION CODES**

This code indicates a comparison conclusion.

Code	Category	Description
INDIV	Individualization	The two impressions originated from the same source.
INC_I	Inconclusive due to insufficient information	Individualization and exclusion are not possible because of insufficient corresponding or contradictory data. This category should be used if the specific other types of inconclusive determinations do not apply.
INC_C	Inconclusive, but with corresponding features noted	No conclusive determination can be made. Corresponding features are present, and no substantive contradictory features are present. The correspondence of features is supportive of the conclusion that the two impressions originated from the same source, but not to the extent sufficient for individualization. This determination should be made if the examiner determines that the impressions are almost certainly from the same source, but cannot make an individualization determination. This is sometimes described as a qualified conclusion.
INC_D	Inconclusive, but with dissimilar features noted	No conclusive determination can be made. Non-corresponding features are present. The dissimilarity of features is supportive of the conclusion that the two impressions originated from different sources, but not to the extent sufficient for exclusion. This determination should be made if the examiner determines that the impressions are almost certainly not from the same source, but cannot make an exclusion determination. This is sometimes described as a qualified exclusion.
INC_N	Inconclusive due to no overlapping area	Individualization and exclusion are not possible because no corresponding or potentially corresponding areas of friction ridge detail are present. This determination should be made if there is sufficient information in the impressions to determine that there are no areas in the impressions to compare, such as when one print is of the left half of a finger and the other is of the right half.
EX_SRC	Exclusion of source	The two impressions originated from different sources of friction ridge skin (e.g., different fingers), but the subject cannot be excluded.
EX_SUB	Exclusion of subject	The two impressions originated from different subjects.
NONE	No determination	No determination has been made. (default)

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.362_2	EDE	EFS Examiner Comparison Determination	Determination

**Code List Name: EFS EXAMINER COMPARISON DETERMINATION WORK IN PROGRESS CODES**

This code is set to "PRELIMINARY" (default) or "FINAL". For a determination to be accepted for further processing, the status shall be set to "FINAL". The purpose of this is to allow saving work in progress.

Code	Description
PRELIMINARY	Default
FINAL	A determination to be accepted for further processing

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.362_3	WIP	EFS Examiner Comparison Determination	Work In Progress

**Code List Name: EFS EXAMINER PROCESSING METHOD VALUE ASSESSMENT CODES**

This code indicates the value of the impression.

Code	Description
VALUE	The impression is of value and is appropriate for further analysis and potential comparison. Sufficient details exist to render an individualization and/or exclusion decision.
LIMITED	The impression is of limited, marginal, value. It is not of value for individualization, but may be appropriate for exclusion
NOVALUE	The impression is of no value, is not appropriate for further analysis, and has no use for potential comparison
NONPRINT	The image is not a friction ridge impression

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.353_1	AAV	EFS Examiner Analysis Assessment	Value Assessment Code

**Code List Name: EFS LATENT MATRIX CODES**

This code define the matrix, or substance deposited by the finger that forms the impression. Each latent matrix is represented by a separate data entry (repeating subfield).

Code	Description
1	Natural perspiration and/or body oils (eccrine and/or sebaceous)
<b>2-7: Visible contaminants:</b>	
2	Blood
3	Paint
4	Ink
5	Oil or grease
6	Dirt or soil
7	Other visible contaminants
8	Impression in pliable material
9	Contaminant removal via touch
10	Other/unknown matrix

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.356_1	TOM	EFS Latent Matrix	Type of Matrix

**Code List Name: EFS LATENT PROCESSING METHOD CODES**

This code contains one or more three-letter codes indicating the technique(s) used to process the latent fingerprint. This field is only used for latent images. Unprocessed impressions (latent images visible to the naked eye) shall be labeled VIS. Multiple methods should be marked by separate subfields. Methods should only be marked if they contributed substantively to the visualization of the image, and shall not be a compilation of all methods attempted.

Code	Processing Method		Code	Processing Method
12I	1,2 Indanedione		LIQ	Liquinox
ADX	Ardrox		LQD	Liquid-drox
ALS	Alternate light source		MBD	7-p-methoxybenzylanimino-4-nitrobenz-2-oxa-1,3- diazole
AMB	Amido black		MBP	Magnetic black powder
AY7	Acid yellow 7		MGP	Magnetic grey powder
BAR	Basic red 26		MPD	Modified physical developer
BLE	Bleach (sodium hypochlorite)		MRM	Maxillon flavine 10gff, Rhodamine 6g, and MBD
BLP	Black powder		NIN	Ninhydrin
BPA	Black powder alternative (for tape)		OTH	Other
BRY	Brilliant yellow (basic yellow 40)		PDV	Physical developer
CBB	Coomassie brilliant blue		R6G	Rhodamine 6G
CDS	Crowle's double stain		RAM	Cyanoacrylate fluorescent dye (Rhodamine 6G, Ardrox, MBD)
COG	Colloidal gold		RUV	Reflective Ultra-Violet Imaging System (RUVIS)
DAB	Diaminobenzidine		SAO	Safranin O
DFO	1,8-diazafluoren-9-one		SDB	Sudan black
FLP	Fluorescent powder		SGF	Superglue fuming (cyanoacrylate)
GEN	Genipin		SPR	Small particle reagent
GRP	Gray powder		SSP	Stickyside powder
GTV	Gentian violet		SVN	Silver nitrate
HCA	Hydrochloric acid fuming		TEC	Theonyl Europiom Chelate
IOD	Iodine fuming		TID	Titanium dioxide
ISR	Iodine spray reagent		VIS	Visual (latent image, not processed by other means)
LAS	Laser		WHP	White powder
LCV	Leucocrystal violet		ZIC	Zinc chloride

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.352	LPM	EFS Latent Processing Method	

**Code List Name: EFS LATENT SUBSTRATE CODES**

This code indicates the type of substrate.

Category	Code	Description
<i>Porous Substrate</i>	1A	Paper
	1B	Cardboard
	1C	Unfinished/raw wood
	1D	Other/unknown porous substrate
<i>Nonporous Substrate</i>	2A	Plastic
	2B	Glass
	2C	Metal, painted
	2D	Metal, unpainted
	2E	Glossy painted surface
	2F	Tape, adhesive side
	2G	Tape, nonadhesive side
	2H	Aluminum foil
	2I	Other/unknown nonporous substrate
<i>Semi-porous Substrate</i>	3A	Rubber or latex
	3B	Leather
	3C	Photograph, emulsion side
	3D	Photograph, paper side
	3E	Glossy or semi-glossy paper or cardboard
	3F	Satin or flat finish painted surface
	3G	Other/unknown semi-porous substrate
<i>Other / Unknown Substrate</i>	4A	Other substrate (Specify)
	4B	Unknown substrate

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.355_1	CLS	EFS Latent Substrate	Code



**Code List Name: EFS METHOD OF FEATURE DETECTION METHOD CODES**

This code states the method by which the fingerprint features were detected and encoded.

Code	Description
AUTO	The features were detected and encoded by an automated process without any possibility of human editing. The algorithm shall be noted in the appropriate information item.
REV	The features were detected and encoded by an automated process, and manually reviewed without the need for manual editing. The algorithm and examiner's name shall be noted in the appropriate information items.
EDIT	The features were detected and encoded by an automated process, but manually edited. The algorithm and examiner's name shall be noted in the appropriate information items.
MAN	The features were manually detected and encoded. The examiner's name shall be noted in the appropriate information item.

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.350_2	FME	EFS Method of Feature Detection	Method

**Code List Name: EFS METHOD OF RIDGE COUNTING CODES**

This code defines the method by which ridge counts were determined and / or validated.

Code	Description
M	"Manual Ridge Count" - The ridge count was determined or validated manually by a human examiner
A	"Auto" - The ridge count was automatically performed without human review
T	"Manual Tracing" - The ridge count was automatically determined, based on a skeletonized image created by a human examiner

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.335_5	MORC	EFS Ridge Count Confidence	Method of Ridge Counting

**Code List Name: EFS MINUTIAE RIDGE COUNT ALGORITHM CODES**

This code defines the algorithm used in determining how neighboring minutiae are selected for use in the ridge counts in Field 9.333: MRC.

Code	Description
OCTANT	The minutiae used for ridge counts are the nearest neighbors in eight octants, with the center of the 0th octant defined by the current minutia's theta, and the 1st through 7th octants proceeding counter clockwise. Ridge count values are set to number of intervening ridges. (Default)
EFTS7	Identical to OCTANT algorithm, except that ridge count values are one more than the number of intervening ridges. This was the format used by the FBI in its EFTS Version 7.1
QUADRANT	The minutiae used for ridge counts are the nearest neighbors in four quadrants, defined by the image's vertical and horizontal axes. The quadrants, with the 1st quadrant at the upper right and the 2nd through 4th quadrants proceeding counterclockwise. Ridge count values are set to the number of intervening ridges.

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.332	MRA	EFS Ridge Count Algorithm	

**Code List Name: EFS MINUTIAE TYPE CODES**

---

This code indicates unusually discriminating features that are not fully defined using other Extended Friction Ridge features. The characteristics noted in this field are specific to the friction skin itself, as opposed to issues specific to the impression (such as smudging) that are noted in Field 9.357: LQI. When no distinctive features are present, this field shall not be used.

Code	Description
E	Ridge Ending
B	Ridge Bifurcation
X	Ridge Ending, or Bifurcation – no distinction provided

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.331_4	MTY	EFS Minutiae	Minutiae Type

**Code List Name: EFS POSSIBLE LATERAL REVERSAL CODES**

This code indicates if the original image is or may be laterally reversed (i.e., flipped left-right). In many cases, an examiner cannot tell the correct lateral direction of the image, such as latents on tape that has been closed on itself, or latents that may have been transferred to the substrate/surface. If the image is or may be laterally reversed, this 1-character optional field is set to the appropriate value, otherwise this field is to be omitted. When this field is set to L (Image is known to be laterally reversed), the image in the associated **Type-13** record shall be left as it was originally received (i.e., laterally reversed): setting this field and reversing the image when saving will result in inconsistent data. When this field is set a software user interface may display the laterally corrected image, but save the image as received with this field set. When this field is set to U (Image may be laterally reversed), it is incumbent on the recipient (software system or examiner) to search/compare the impression and features both as presented and flipped left-right.

Code	Description
L	Image is known to be laterally reversed
U	Image may be laterally reversed

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.315	PLR	EFS Possible Lateral Reversal	

**Code List Name: EFS POSSIBLE GROWTH OR SHRINKAGE TYPE CODES**

This code is only used in the unusual circumstance that the friction ridge impression is believed to have changed size or scale from potential comparisons. This provides for handling of images from deceased subjects with desiccated skin, or with swollen skin due to water exposure. This also provides for handling of overall growth of subjects between capture, such as in comparing an adult's fingerprints with those taken as a child. In these cases the size of ridges and distances between ridges change to a greater extent than would ordinarily be assumed in comparisons; this field acts as a flag to indicate that greater than ordinary dimensional variation should be expected in performing subsequent comparisons. This field is to be omitted unless there is reason to believe that growth or shrinkage may have occurred.

Code	Description
G	Growth: impression is believed to be dimensionally larger than exemplars or other prints from the same subject
S	Shrinkage: impression is believed to be dimensionally smaller than exemplars or other prints from the same subject
B	Both: impression may be dimensionally larger or smaller than exemplars or other prints from the same subject

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.317_1	TGS	EFS Possible Growth or Shrinkage	Type

**Code List Name: EFS RIDGE EDGE FEATURES TYPE CODES**

---

This code states the type of feature: P (Protrusion), I (Indentation), or D (Discontinuity).

Code	Description
P	Protrusion
I	Indentation
D	Discontinuity

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.343_3	CLT	EFS Ridge Edge Features	Type

**Code List Name: EFS RIDGE FLOW MAP CODES**

This code contains the direction of friction ridges at sampling points throughout the region of interest. The sampling frequency is optionally defined in **Field 9.311: EFS ridge flow map format / RFF**, and otherwise defaults to 0.41 mm in uncompressed format. The first sampling point in the image is the top left-most point in the region of interest. The same sampling frequency is used both horizontally and vertically.

Values shall be included for all sampling points in the region of interest, even if the sampling points are at the edge of the region of interest. For each sampling point, angles shall be reported in integer degrees, with 0 degrees to the right (horizontal), increasing counterclockwise to a maximum value of 179° (since 180°=0°). Undefined angles are recorded in **Field 9.311: EFS ridge flow map format / RFF**. Each subfield corresponds to one row of the map in order from top to bottom. The area used for determining direction (window size) may be larger or smaller than the sampling frequency. Different window sizes may be used within a single image, at the discretion of the implementer. For example, an implementer may choose to use a uniform window size except in areas of high curvature, in which a smaller window size may be used.

Type	Code	Description
Uncompressed (concatenated hexadecimal)	UNC	Each ridge flow value is a 2-character hexadecimal value. The angles are stored in 2-character hexadecimal representation with leading zeros, so valid values range from "00" (0dec) to "B3" (179dec). Undefined angles: If the direction cannot be determined at a given location, the location at that point shall be marked as "XX". All of the ridge flow values for a given row shall be concatenated in order left to right and saved as a separate instance / repeating subfield of <b>Field 9.310: EFS ridge flow map / RFM</b> . The number of characters in one repeating subfield of <b>Field 9.310</b> is twice the number of cells in one row.
base-64	B64	Each ridge flow value is a 1-character base-64 value. The angles are divided by three to enable storing in a single base-64 character, which has the effect of quantizing to three degrees. Undefined angles: If the direction cannot be determined at a given location, the location at that point shall be marked as "*" (asterisk). All of the ridge flow values for a given row shall be concatenated in order left to right and saved as a separate instance / repeating subfield of <b>Field 9.310: EFS ridge flow map / RFM</b> . The number of characters in one instance of <b>Field 9.310: EFS ridge flow map / RFM</b> is the number of cells in one row.

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.310	RFM	EFS Ridge Flow Map	



**Code List Name: EFS RIDGE WAVELENGTH MAP DATA FORMAT CODES**

This code is optional. It defines the format used in **Field 9.312**. The default (and currently the only setting) is the uncompressed ("UNC") format.

Code	Description
UNC	"Uncompressed (Concatenated Hexadecimal)" - Each ridge flow value is a 2-character hexadecimal value. The angles are stored in 2-character hexadecimal representation with leading zeros, so valid values range from "00" (0dec) to "B3" (179dec). Undefined angles: If the direction cannot be determined at a given location, the location at that point shall be marked as "XX". All of the ridge flow values for a given row shall be concatenated in order left to right and saved as a separate instance / repeating subfield of Field 9.310: RFM. The number of characters in one repeating subfield of Field 9.310 is twice the number of cells in one row.
B64	"Base-64" Each ridge flow value is a 1-character base-64 value. The angles are divided by three to enable storing in a single base-64 character, which has the effect of quantizing to three degrees. Undefined angles: If the direction cannot be determined at a given location, the location at that point shall be marked as "*" (asterisk). All of the ridge flow values for a given row shall be concatenated in order left to right and saved as a separate instance / repeating subfield of Field 9.310. The number of characters in one instance of Field 9.310: RFM is the number of cells in one row.

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.312_2	FDF	EFS Ridge Wavelength Map	Data Format

**Code List Name: EFS TONAL REVERSAL CODES**

This code indicates whether the entire image is reversed tonally (black-for-white). If all or part of the image is reversed tonally, this 1-character optional field is set to the appropriate value. Otherwise this field is omitted. Note that in some cases, the tonal reversal is so mixed that only portions of individual ridges are reversed, making it impractical or impossible to define the tonally reversed areas. When this field is set, the image in the **Type-13** record shall be left as it was originally received (i.e., tonally reversed): setting this field and reversing the image when saving will result in inconsistent data. When this field is set, a software user interface may display the tonally corrected image, but save the image as originally received with this field set.

Code	Description
N	Negative – ridges are light and valleys are dark throughout the image
P	Partial – ridges are light and valleys are dark only in portions of the image
U	Unknown

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.314	TRV	EFS Tonal Reversal	

**Code List Name: EFS TYPE OF CORRESPONDENCE CODES**

This is a mandatory 1- or 2-character information item (code) used to indicate the type of correspondence or non-correspondence, set to the appropriate "Code" Value.

Category	Type	Code	Description
Definite correspondence	Feature	F	The labeled feature definitely corresponds to the specific feature defined by the Field Number and Field Occurrence information items. (X and Y information items are unused)
	Point	P	The labeled feature definitely corresponds to the location with the coordinates defined in the X,Y information items. (Field Number and Field Occurrence information items are unused)
Possible or debatable correspondence	Debatable Feature	DF	The labeled feature may debatably correspond to the feature defined by the Field Number and Field Occurrence information items. (X and Y information items are unused)
	Debatable Point	DP	The labeled feature may debatably correspond to the location with the coordinates defined in the X,Y information items. (Field Number and Field Occurrence information items are unused)
Definite lack of correspondence	Does not exist	X	The labeled feature definitely does not exist in the impression, and the consistency of presentation of the potentially corresponding region is sufficient to make a definite determination. The X,Y position may be used to optionally indicate where the absent feature would have been expected
Inconclusive	Out of region	R	The labeled feature is not visible in the impression because it lies outside of the area of correspondence for this image: the feature may or may not be present, but the impression does not include the relevant area (X, Y, Field Number, and Field Occurrence information items are unused)
	Unclear area	U	The labeled feature is not visible in the impression because the potentially corresponding region is not sufficiently clear: the feature may or may not be present, but local quality issues prevent a definite determination. (X, Y, Field Number, and Field Occurrence information items are unused)

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.361_2	TOC	EFS Corresponding Points or Features	Type of Correspondence

**Code List Name: EFS QUALITY ISSUES CODES**

This code defines the type of quality issue effecting the image of friction ridge detail.

Code	Description
ARTIFACT	Digital artifacts, such as occasionally caused by compression or livescan devices.
BACKGROUND	Interference with background makes following ridges difficult (e.g., check patterns)
COMPRESSED	Distorted area in which ridges are compressed together
DISTORT	Miscellaneous distortion (See also Compressed and Stretched)
NEGATIVE	Used if only a portion of the friction ridge image is tonally reversed (has ridges and valleys inverted so that ridges appear white and valleys appear black). Note that Field 9.314 Tonal Reversal (TRV) is used if the entire image is tonally reversed.
OVERDEV	Overdeveloped area: excessive processing medium such as ink, powder, etc.
OVERLAP	Area in which another friction ridge impression is superimposed over the impression of interest
SMEAR	Smeared or smudged area
STRETCHED	Distorted area in which ridges are stretched apart from each other
TAPE	Lifting tape artifacts (crease, bubble, etc.)
OTHER	Other quality issues not characterized elsewhere; details should be noted in Comments

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.357_1	LQT	EFS Local Quality Issues	Type

**Code List Name: EMOTIONAL STATE CODES**

---

A code for describing an emotional state.

Code	Description
0	Unknown
1	Public speech (oratory)
2	Conversation - telephone
3	Conversation - face to face
4	Read
5	Prompted/Repeated
6	Storytelling/Picture description
7	Map task and related methods
8	Interview
9	Recited/memorized
10	Other

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Record Type-11: Forensic and Investigatory Voice Record	11.037_11	EMC	VOCAL SEGMENT SPEAKER CHARACTERISTICS	EMOTIONAL STATE CODE

**Code List Name: ENCOUNTER PROTECTION FUNCTION CODES**

---

This code contains information that will be used to determine the action to be taken. It will contain a single numeric value 0=Unprotect, 1=Protect.

Code	Description
0	Unprotect
1	Protect

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.351_1	EP_FUN	Encounter Protection	Encounter Protection Function

**Code List Name: ENCOUNTER PROTECTION LEVEL CODES**

---

This code contains information that will be used to determine the level of protection being assigned to the subject being searched. This field will contain a single numeric value 0 = Single Encounter, 1 = All Encounter.

Code	Description
0	Single Encounter
1	All Encounters

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.351_2	EP_LEVEL	Encounter Protection	Encounter Protection Level

**Code List Name:       ENDIAN CODES**

---

A data type that enumerates the ordering possibilities of individually addressable sub-components (bytes) within the representation of a recording.

Code	Description
0	Big Endian
1	Little Endian
2	Native Endian

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Record Type-11: Forensic and Investigatory Voice Record	11.014	ENDC	CODEC	ENDIAN CODE



**Code List Name: ETHNIC/RACIAL CODES**

This code indicates the observed or reported ethnic/racial characteristic of the biometric subject.

DoD Code	FBI Code	Description
A	A	Chinese, Japanese, Filipino, Korean, Polynesian, Indian, Indonesian, Asian Indian, Samoan, or any other Pacific Islander
B	B	A person having origins in any of the black racial groups of Africa
I	I	American Indian, Inuit, Alaskan Native, or a person with origin in any of the 48 contiguous US States or Alaska who maintains a cultural identification through tribal affiliation or community recognition
U	U	Unknown race
W	W	Caucasian, Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race
HL	W	Hispanic/ Latino
AR	U	Arab
AI	A	Asian Indian
PI	A	Polynesian (Pacific Islander)
AS	A	Asian
NA	I	Native American

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8008	SUBJ_RAC	Biometric Subject Ethnic/Racial Characteristic	

**Code List Name: EYE AND NOSTRIL CENTER FEATURE POINT CODES**

Code to describe feature location points on the eye or nostril.

Center Feature Point	Midpoint of Feature Points		Feature Point Code
Left Eye	3.7, 3.11		12.1
Right Eye	3.8, 3.12		12.2
Left Nostril	Horizontal	Vertical	12.3
	9.1, 9.15	9.3, 9.15	
Right Nostril	Horizontal	Vertical	12.4
	9.2, 9.15	9.3, 9.15	

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.029_1	FPT	2D Facial Feature Points	Feature _Point Code
Type-10 Facial, Other Body Part and SMT Image Record	10.032_2	FPC	Feature Point Type	Feature Point Code

**Code List Name: FACE BOUNDING CODE**

Code that indicate the face position in the contents of the bounding box.

Code	Description
S	Head and shoulders: the image within the bounding box is conformant with a “head and shoulders” composition (full frontal)
H	Head only: the image within the bounding box is conformant with a “head only” composition
F	Face only: the image within the bounding box contains a subject's two eyes, nose and mouth
N	Non-frontal head: the image within the bounding box contains the subject's entire head, but it is not frontal-facing or is otherwise not conformant with a “head only” composition
X	Partial face: the composition consists of a partial face, containing less than two eyes, nose and mouth

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.014_5	BBC	Bottom Vertical Coordinate Value	Bounding Box Head Position Code
Type-10 Facial, Other Body Part and SMT Image Record	10.017	SVPS	Scanned Vertical Pixel Scale	

**Code List Name:       FACE POSITION CODE**

---

Code to indicate the color of the transmitted image. If the color image type cannot be determined, an entry of “RGB” shall be entered in this field.

Code	Description
UNK	Undefined
GRAY	Grayscale (monochrome)
RGB	Undetermined color space for an RGB image
SRGB	sRGB (IEC 61966-2-1)
YCC	YCbCr (legacy)
SYCC	YCbCr (JPEG 2000 compressed)

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.012	CSP	Color Space	

**Code List Name: FACIAL IMAGE OMITTED REASON CODES**

---

This code specifies the reason why the facial image (aka as full frontal pose Type-10 record) is not present in the associated file.

Code	Description
UP	Unable to capture (e.g. Bandaged)
XX	Partially captured due to amputation of some facial features

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8117	FOMMITED	Facial Image Omitted Reason	

**Code List Name: FACILITY CODES**

---

This code indicates the type of facility at an access location.

Code	Description
DFAC	Dining Facility
GYM	Gymnasium
BILLET	Soldier's Living Quarters
PX	Military Post Store
MWR	Morale, Welfare and Recreation Facility
MED	Medical Facility

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8517_1	ACC_LOC_PAC_PERM_FAC_TYP	Access Location Facility Permission	Access Location Facility Category Code

**Code List Name: FBI REQUEST PHOTO RECORD CODES**

---

Code used to indicate a user's desire to have the repository return a Type-10 photo record if one is on file and disseminable.

Code	Field Name
Y	Photo Record Requested
N	Photo Record Not Requested

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.096	RPR	Request Photo Record	

**Code List Name: FEATURE CONTOUR CODES**

Code for a subfield refers to a specific contour on the image.

Code	Description
eyetop	Bottom of upper eye lid
eyebottom	Top of lower eye lid
upperliptop	Top of upper lip
upperlipbottom	Bottom of upper lip
lowerliptop	Top of lower lip
lowerlipbottom	Bottom of lower lip
rightnostril	Subject's right nostril
leftnostril	Subject's left nostril
lefteyebrow	Curvature of top of subject's left eye socket
righteyebrow	Curvature of top of subject's right eye socket
chin	Chin
faceoutline	Face outline includes the entire head, all facial hair, and ears

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.033_1	FCC	Feature Contours	Feature Contour Code



**Code List Name:** EYE POSITION CODES

---

Code that describes identifier for the eye represented by the image in the record.

Code	Description
0	Undefined
1	Right Eye
2	Left Eye

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User Defined Descriptive Text Record	2.8037_1	EPOS	Biometric Subject Eye Color	Eye Position
Type-17 Iris Image Record	17.003	ELR	Eye Label	

**Code List Name: FEATURE POINT ID CODE**

Code to describe feature points identifiers on the face.

Feature Point ID	MPEG4 Feature Point	Anthropometric Point Name	Description
v	11.4	vertex	The highest point of head when the head is oriented in Frankfurt Horizon.
g		glabella	The most prominent middle point between the eyebrows
op		opisthocranion	Situated in the occipital region of the head is most distant from the glabella
eu		eurion	The most prominent lateral point on each side of the skull in the area of the parietal and temporal bones
ft		frontotemporale	The point on each side of the forehead, laterally from the elevation of the linea temporalis
zy		zygion	The most lateral point of each of the zygomatic bones
go	2.15, 2.16	gonion	The most lateral point on the mandibular angle close to the bony gonion
sl		sublabiale	Determines the lower border of the lower lip or the upper border of the chin
pg	2.10	pogonion	The most anterior midpoint of the chin, located on the skin surface in the front of the identical bony landmark of the mandible
gn	2.1	menton (or gnathion)	The lowest median landmark on the lower border of the mandible
cdl		condylion laterale	The most lateral point on the surface of the condyle of the mandible
en	3.11, 3.8	endocanthion	The point at the inner commissure of the eye fissure
ex	3.7, 3.12	exocanthion (or ectocanthion)	The point at the outer commissure of the eye fissure
p	3.5, 3.6	center point of pupil	Is determined when the head is in the rest position and the eye is looking straight forward
or	3.9, 3.10	orbitale	The lowest point on the lower margin of each orbit

**Code List Name: FEATURE POINT ID CODE (Continued)**

Feature Point ID	MPEG4 Feature Point	Anthropometric Point Name	Description
ps	3.1, 3.2	palpebrale superius	The highest point in the mid-portion of the free margin of each upper eyelid
pi	3.3, 3.4	palpebrale inferius	The lowest point in the mid-portion of the free margin of each lower eyelid
os		orbitale superius	The highest point on the lower border of the eyebrow
sci	4.3, 4.4	superciliare	The highest point on the upper border in the mid-portion of each eyebrow
n		nasion	The point in the middle of both the nasal root and nasofrontal suture
se		sellion (or subnasion)	Is the deepest landmark located on the bottom of the nasofrontal angle (equivalent to the term "bridge of the nose")
al	9.1, 9.2	alare	The most lateral point on each alar contour
prn	9.3	pronasale	The most protruded point of the apex nasi
sn	9.15	subnasale	The midpoint of the angle at the columella base where the lower border of the nasal septum and the surface of the upper lip meet
sbal		subalare	The point at the lower limit of each alar base, where the alar base disappears into the skin of the upper lip
ac	9.1, 9.2	alar curvature (or alar crest) point	The most lateral point in the curved base line of each ala
mf	9.6, 9.7	maxillofrontale	The base of the nasal root medially from each endocanth
cph	8.9, 8.10	christa philtri landmark	The point on each elevated margin of the philtrum just above the vermilion line
ls	8.1	labiale (or labrale)superius	The midpoint of the upper vermilion line
li	8.2	labiale (or labrale)inferius	The midpoint of the lower vermilion line
ch	8.3, 8.4	cheilion	The point located at each labial commissure
sto		stomion	The imaginary point at the crossing of the vertical facial midline and the horizontal labial fissure between gently closed lips, with teeth shut in the natural position
sa	10.1, 10.2	superaurale	The highest point of the free margin of the auricle
sba	10.5, 10.6	subaurale	The lowest point of the free margin of the ear lobe
pra	10.9, 10.10	preaurale	The most anterior point on the ear, located just in front of the helix attachment to the head

**Code List Name: FEATURE POINT ID CODE (Continued)**

Feature Point ID	MPEG4 Feature Point	Anthropometric Point Name	Description
pa		postaurale	The most posterior point on the free margin of the ear
obs	10.3, 10.4	otobasion superius The	The point of attachment of the helix in the temporal region
obi		obotasion inferius	The point of attachment of the helix in the temporal region
po		porion (soft)	The highest point of the upper margin of the cutaneous auditory meatus
t		tragion	The notch on the upper margin of the tragus

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.029_2	FPC	2D Facial Feature Points	Feature _Point Code
Type-10 Facial, Other Body Part and SMT Image Record	10.032_2	FPC	Feature Point Type	Feature Point Code

**Code List Name:        FEATURE POINT TYPE CODES**

---

Code to describe feature points or landmarks on the face.

Code	Description
1	Denoting an MPEG4 Feature point
2	Denoting an anthropometric landmark.

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.029_1	FPT	2D Facial Feature Points	Feature Point Type

**Code List Name: FINGER COMBINATION CODES**

Code that specifies which friction ridge biometric sample was collected.

Code	2-FINGER COMBINATIONS:
40	Right index/middle
41	Right Middle/Ring
42	Right Ring/Little
43	Left Index/Middle
44	Left Middle/Ring
45	Left Ring/Little
46	Right index/ Left index
3-FINGER COMBINATIONS:	
47	Right Index/Middle/Ring
48	Right Mid

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.2030_1	FGP	Print Position Descriptors	Friction Ridge Generalized Position
Type-2 User-Defined Descriptive Text Record	2.2033_5	FGP	Candidate Investigative List	Friction Ridge Generalized Position

**Code List Name: FINGER POSITION CODE**

Code indicating the position of the finger.

Code	Description
00	ALL
01	Right thumb
02	Right index
03	Right middle
04	Right ring
05	Right little
06	Left thumb
07	Left index
08	Left middle
09	Left ring
10	Left little
11	Plain right thumb
12	Plain left thumb
13	Plain right four fingers
14	Plain left four fingers
15	Plain left and right thumbs
16	Right Extra Digit
17	Left Extra Digit
18	Unknown Friction Ridge
19	EJI or tip

Note: When codes 13 – 15 are included, the entire block is referenced.

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.057	FNR	Finger Number(s) Requested	
Type-2 User-Defined Descriptive Text Record	2.084_1	FGP	Amputated or Bandaged	Finger Position Code
Type-2 User-Defined Descriptive Text Record	2.091_1	FGP	Ridge Core Delta One for Subpattern Classification	Finger Position Code
Type-2 User-Defined Descriptive Text Record	2.092_1	FGP	Ridge Core Delta Two for Subpattern Classification	Finger Position Code

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.2028_5	PPD	Biometric Image Description	Print Position Descriptors
Type-2 User-Defined Descriptive Text Record	2.2028_4	FNR	Biometric Image Description	Friction Ridge Position Required
Type-2 User-Defined Descriptive Text Record	2.2032_6	FNR	Audit Trail Record	Friction Ridge Position Requested



**Code List Name: FINGERPRINT ACQUISITION PROFILE CODES**

Code that indicates the profile level for the fingerprint acquisition.

Capture	FAP 10	FAP 20	FAP 30	FAP 40	FAP 45	FAP 50	FAP 60
Acquire flat images	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Acquire rolled images	No	No	No	Optional	Optional	Optional	Optional
Minimum scanning resolution	490 ppi – 510 ppi	490 ppi – 510 ppi	490 ppi – 510 ppi	490 ppi – 510 ppi	495 ppi – 505 ppi	495 ppi – 505 ppi	495 ppi – 505 ppi
Minimum gray levels	256	256	256	256	256	256	256
Minimum image dimensions (w x h)	.5" x .65"	.6" x .8"	.8" x 1.0"	1.6" x 1.5"	1.6" x 1.5"	2.5" x 1.5"	3.2" x 3.0"
Maximum Compression Ratio	10:1	10:1	10:1	15:1	15:1	15:1	15:1
Compression algorithm	WSQ Version 2.0 or above	WSQ Version 2.0 or above	WSQ Version 2.0 or above	WSQ Version 2.0 or above	WSQ Version 2.0 or above	WSQ Version 3.1 or above	WSQ Version 3.1 or above
Simultaneous number of fingers	1	1	1	1 to 2	1 to 2	1 to 3	1 to 4
Sensor certification	PIV	PIV	PIV	PIV	Appendix F	Appendix F	Appendix F

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-14 Variable Resolution Fingerprint Image	14.031	FAP	Subject Acquisition Profile – Fingerprint	n/a

**Code List Name: FINGERPRINT CLASSIFICATION CODES**

NCIC fingerprint classification code that is returned in the FBI's responses to latent submissions.

Code	Finger
1 and 2	Right Thumb
3 and 4	Right Index
5 and 6	Right Middle
7 and 8	Right Ring
9 and 10	Right Little
11 and 12	Left Thumb
13 and 14	Left Index
15 and 16	Left Middle
17 and 18	Left Ring
19 and 20	Left Little

Pattern Type	Pattern Subgroup	NCIC FPC Code
Arch	Plain Arch	AA
	Tented Arch	TT
Loop	Radial Loop	Two numeric characters. Determine actual ridge count and add fifty (50). For example, if the ridge count of a radial loop is 16, add 50 to 16 for a sum of 66. Enter this sum (66) in the appropriate finger position of the FPC field.
	Ulnar Loop	Two numeric characters indicating actual ridge count (less than 50). For example, a ridge count of 14, enter as 14; a ridge count of 9, enter as 09.
Whorl*	Plain Whorl	
	Inner	PI
	Meeting	PM
	Outer	PO
	Central Pocket Loop Whorl	
	Inner	CI
	Meeting	CM
	Outer	CO

**Code List Name: FINGERPRINT CLASSIFICATION CODES(Continued)**

Pattern Type	Pattern Subgroup	NCIC FPC Code
Whorl* (Cont'd)	Double Loop Whorl	
	Inner	DI
	Meeting	DM
	Outer	DO
	Accidental Whorl	
	Inner	XI
	Meeting	XM
	Outer	XO
Missing Amputated Finger**		XX
Scarred/Mutilated Pattern***		SR
Approximate Fingerprint Class****		AC
Unclassifiable****		UC

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.033	FPC	NCIC Fingerprint Classification	
Type-9 Minutiae Data Record	9.307_2	SUB	EFS Pattern Classification	Subclass

\* Prior to adoption of the above method for coding whorl patterns, this pattern was divided into inner, meeting, and outer subgroups only with codes II, MM, and OO, respectively. Some older records in the file may show the codes II, MM, and OO.

\*\* Code XX is used in instances of missing and totally/partly amputated fingers where conditions make it impossible to accurately classify an impression according to the above instructions for NCIC FPC. It is recognized that under the Henry System, if a finger is missing or amputated, it is given a classification identical to the opposite finger; however this must not be done in the NCIC FPC because the location of finger or fingers missing/amputated is not indicated.

\*\*\* Code SR is used in instances in which the fingerprint cannot be accurately classified because of complete scarring or mutilation and a classifiable print cannot be obtained. As in the case of missing and amputated fingers, the procedure for assigning the classification of the opposite finger, as is done under the Henry System, should not be used for the NCIC FPC.

\*\*\*\* Codes UC and AC still exist for some legacy records in the Identity History file.

**Code List Name: FINGERPRINT CJIS PATTERN CLASSIFICATION CODES**

Acceptable CJIS pattern level fingerprint classifications.

Type	Pattern Classification	General Class	Subclass	Whorl – Delta Relationship
Arches	Arch, type not designated	AU		
	- Plain Arch		PA	
	- Tented Arch		TA	
Whorls	Whorl, type not designated	WU		
	- Plain Whorl		PW	I, O, or M
	- Central Pocket Loop		CP	I, O, or M
	- Double Loop		DL	I, O, or M
	- Accidental Whorl		AW	I, O, or M
Loops	Right Slant Loop	RS		
	Left Slant Loop	LS		
Unable to Print	Amputation	XX		
	Temporarily unable to print (e.g., bandaged)	UP		
Unable to Classify	Unable to Classify	UC		
	- Complete Scar	SR		
	- Dissociated Ridges or Dysplasia	DR		

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.034_2	PATCL	Pattern Level Classifications	Pattern Classification Code
Type-9 Minutiae Data	9.017_1	APAT	AFIS/FBI Pattern Classification	Pattern Classification Code
Type-9 Minutiae Data	9.307_1	GCF	EFS Pattern Classification	General Class

**Code List Name: FINGERPRINT FINGER VIEW CODES**

---

Code that indicates the view number of the finger associated with this record's data. The view number begins with "0" and increments by one to "15". Finger view differentiates multiple images of the same finger that are included in the transaction to be taken consecutively to develop an "average" template for that particular set of finger minutiae for enrollment applications.

Code	Description
1	View Number 1
2	View Number 2
3	View Number 3
4	View Number 4
5	View Number 5
6	View Number 6
7	View Number 7
8	View Number 8
9	View Number 9
10	View Number 10
11	View Number 11
12	View Number 12
13	View Number 13
14	View Number 14
15	View Number 15

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.133	FVW	M1 Finger View	

**Code List Name: FINGERPRINT INCITS MINUTIAE CODES**

---

Code that specifies a single numeric character designating the minutiae type within the INCITS M1-378 Features for minutiae record type.

Code	Description
0	Other
1	Ridge Ending
2	Ridge Bifurcation

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.137_5	M1M	M1 Finger Minutiae Data	Minutiae Type [M1-378]

**Code List Name: FINGERPRINT RIDGE COUNT EXTRACTION METHOD CODES**

Code that specifies the ridge count extraction method. A “0” indicates that no assumption shall be made about the method used to extract ridge counts, nor their order in the record. A “1” indicates that for each center minutiae, ridge count data was extracted to the nearest neighboring minutiae in four quadrants, and ridge counts for each center minutia are listed together. A “2” indicates that for each center minutiae, ridge count data was extracted to the nearest neighboring minutiae in eight octants, and ridge counts for each center minutia are listed together.

Code	Description
0	No assumption shall be made about the method used to extract ridge counts, nor their order in the record
1	For each center minutiae, ridge count data was extracted to the nearest neighboring minutiae in four quadrants, and ridge counts for each center minutia are listed together
2	For each center minutiae, ridge count data was extracted to the nearest neighboring minutiae in eight octants, and ridge counts for each center minutia are listed together

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.138_1a	REM	M1 Ridge Count Information	Ridge Count Extraction Method

**Code List Name: FINGERPRINT RIDGE NUMBER CODES**

---

Code that indicates the number of ridges between the core and the delta. For right and left slant loops, this count identifies the ridges crossed on a line between the core and the delta. Permissible values are 1 to 30 for actual ridge counts and 30 if there are more than 30 ridges. The count of 31 indicates an unknown number of ridges, and 0 indicates that the ridge count is not applicable.

Code	Description
1-30	Number of ridges crossed on a line between the core and the delta
31	Unknown number of ridges crossed on a line between the core and the delta
0	Ridge count is not applicable

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data	9.017_2	RCN1	AFIS/FBI Pattern Classification	First Subpattern Ridge Count
Type-9 Minutiae Data	9.017_3	RCN2	AFIS/FBI Pattern Classification	Second Subpattern Ridge Count



**Code List Name: FINGERPRINT TEN FINGER NUMBER PLUS UNKNOWN CODES**

---

NCIC fingerprint classification will be returned in the FBI's responses to latent submissions.

Code	Descriptor
00	Unknown
01	Right thumb
02	Right index finger
03	Right middle finger
04	Right ring finger
05	Right little finger
06	Left thumb
07	Left index finger
08	Left middle finger
09	Left ring finger
10	Left little finger

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.034_1	FGP	Pattern Level Classifications	Finger Number
Type-9 Minutiae Data	9.014	FGN	Finger Number	n/a

**Code List Name: FINGERPRINT IMAGE UPDATED CODES**

This code identifies the finger positions that were updated in the FBI's Fingerprint Image Master File as a result of an electronic request to update fingerprint images.

Code	Descriptor
A	Images of all 14 fingers were updated
N	No finger images were updated
01	Right thumb
02	Right index
03	Right middle
04	Right ring
05	Right little
06	Left thumb
07	Left index
08	Left middle
09	Left ring
10	Left little
11	Plain right thumb
12	Plain left thumb
13	Plain right four fingers
14	Plain left four fingers
15	Plain left and right thumbs
19	EJI or tip

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.072	FIU	Fingerprint Images Updated	

**Code List Name: FORCE PROTECTION CONDITION CODES**

This code indicates the Force Protection status.

Code	Description
NORMAL	Applies when a general global threat of possible terrorist activity exists and warrants a routine security posture. At a minimum, access control will be conducted at all DoD installations and facilities.
ALPHA	Applies when there is an increased general threat of possible terrorist activity against personnel or facilities, and the nature and extent of the threat are unpredictable. ALPHA measures must be capable of being maintained indefinitely.
BRAVO	Applies when an increased or more predictable threat of terrorist activity exists. Sustaining BRAVO measures for a prolonged period may affect operational capability and military-civil relationships with local authorities.
CHARLIE	Applies when an incident occurs or intelligence is received indicating some form of terrorist action or targeting against personnel or facility is likely. Prolonged implementation of CHARLIE measures may create hardship and affect the activities of the unit and its personnel.
DELTA	Applies in the immediate area where a terrorist attack has occurred or when intelligence has been received that terrorist action against a specific location or person is imminent. This FPCON is usually declared as a localized condition. FPCON DELTA measures are not intended to be sustained for an extended duration.

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8510_2	ACC_LOC_APT_PERM_FP_CD	Access Location Airport Installation Permission	Force Protection Condition Code
Type-2 User-Defined Descriptive Text	2.8517_2	ACC_LOC_PAC_PERM_FP_CD	Access Location Facility Permission	Force Protection Condition Code

**Code List Name: FRICTION RIDGE GENERALIZED POSITION CODES**

An assigned indicator code reflecting voice content from a known subject.

Key: F – Fingerprint, M – Mobile ID, P – Palm Print, S – Supplemental Print, U – Unknown Print

Position/Portion	Type	Record Type	Code	Max Width (mm) (in)	Max Length (mm) (in)
Unknown Finger, Search 0 – 17	U	9, 13	0	40.6 1.6	38.1 1.5
Right thumb	F/M	4, 9, 13, 14	1	40.6 1.6	38.1 1.5
Right index finger	F/M	4, 9, 13, 14	2	40.6 1.6	38.1 1.5
Right middle finger	F/M	4, 9, 13, 14	3	40.6 1.6	38.1 1.5
Right ring finger	F/M	4, 9, 13, 14	4	40.6 1.6	38.1 1.5
Right little finger	F/M	4, 9, 13, 14	5	40.6 1.6	38.1 1.5
Left thumb	F/M	4, 9, 13, 14	6	40.6 1.6	38.1 1.5
Left index finger	F/M	4, 9, 13, 14	7	40.6 1.6	38.1 1.5
Left middle finger	F/M	4, 9, 13, 14	8	40.6 1.6	38.1 1.5
Left ring finger	F/M	4, 9, 13, 14	9	40.6 1.6	38.1 1.5
Left little finger	F/M	4, 9, 13, 14	10	25.4 1	50.8 2
Plain right thumb	F/M	4, 9, 13, 14	11	25.4 1	50.8 2
Plain left thumb	F/M	4, 9, 13, 14	12	81.3 3.2	76.2 3
Plain right four fingers	F/M	4, 9, 13, 14	13	81.3 3.2	76.2 3
Plain left four fingers	F/M	4, 9, 13, 14	14	81.3 3.2	76.2 3
Left and Right thumbs	F/M	4, 9, 13, 14	15	81.3 3.2	76.2 3
Right Extra Digit ( <i>Future Capability</i> )	F/M	9, 13, 14	16	40.6 1.6	38.1 1.5
Left Extra Digit ( <i>Future Capability</i> )	F/M	9, 13, 14	17	40.6 1.6	38.1 1.5
Unknown Friction Ridge, search all possible codes	U	9, 13	18	139.7 5.5	213 8.5
EJI or Tip	S	9, 13, 14	19	114 4.5	127 5
Unknown Palm, Searching 21 - 38	U	9, 13	20	139.7 5.5	203.2 8
Right Full Palm	P	9, 13, 15	21	139.7 5.5	203.2 8
Right Writer's Palm	P	9, 13, 15	22	44.5 1.8	127 5
Left Full Palm	P	9, 13, 15	23	139.7 5.5	203.2 8
Left Writer's Palm	P	9, 13, 15	24	44.5 1.8	127 5
Right Lower Palm	P	9, 13, 15	25	139.7 5.5	139.7 5.5
Right Upper Palm	P	9, 13, 15	26	139.7 5.5	139.7 5.5
Left Lower Palm	P	9, 13, 15	27	139.7 5.5	139.7 5.5
Left Upper Palm	P	9, 13, 15	28	139.7 5.5	139.7 5.5
Right Other ( <i>Unknown Right hand</i> ) Searching Right hands between 21 – 38	U	9, 13	29	139.7 5.5	203.2 8
Left Other ( <i>Unknown Left hand</i> ) Searching Left hands between 21 - 38	U	9, 13	30	139.7 5.5	203.2 8
Right Interdigital	P	9, 13, 15	31	139.7 5.5	76.2 3

**Code List Name: FRICTION RIDGE GENERALIZED POSITION CODES (Continued)**

Position/Portion	Type	Record Type	Code	Max Width (mm) (in)	Max Length (mm) (in)
Right Thenar	P	9, 13, 15	32	76.2 3	114.3 4.5
Right Hypothenar	P	9, 13, 15	33	76.2 3	114.3 4.5
Left Interdigital	P	9, 13, 15	34	139.7 5.5	76.2 3
Left Thenar	P	9, 13, 15	35	76.2 3	114.3 4.5
Left Hypothenar	P	9, 13, 15	36	76.2 3	114.3 4.5
Right Grasp ( <i>Future Capability</i> )	P	9, 13, 15	37	139.7 5.5	203.2 8
Left Grasp ( <i>Future Capability</i> )	P	9, 13, 15	38	139.7 5.5	203.2 8
Right Carpal Delta Area ( <i>Future Capability</i> )	P	9, 13, 15	81	139.7 5.5	114.3 4.5
Left Carpal Delta Area ( <i>Future Capability</i> )	P	9, 13, 15	82	139.7 5.5	114.3 4.5
Right full palm, including writer's palm ( <i>Future Capability</i> )	P	9, 13, 15	83	139.7 5.5	114.3 4.5
Left full palm, including writer's palm ( <i>Future Capability</i> )	P	9, 13, 15	84	139.7 5.5	114.3 4.5
Right index/middle ( <i>Future Capability</i> )	M	14	40	139.7 5.5	114.3 4.5
Right middle/ring ( <i>Future Capability</i> )	M	14	41	40.6 1.6	38.1 1.5
Right ring/little ( <i>Future Capability</i> )	M	14	42	40.6 1.6	38.1 1.5
Left index/middle ( <i>Future Capability</i> )	M	14	43	40.6 1.6	38.1 1.5
Left middle/ring ( <i>Future Capability</i> )	M	14	44	40.6 1.6	38.1 1.5
Left ring/little ( <i>Future Capability</i> )	M	14	45	40.6 1.6	38.1 1.5
Right index/Left index ( <i>Future Capability</i> )	M	14	46	63.5 2.5	38.1 1.5
Right index/middle/ring ( <i>Future Capability</i> )	M	14	47	63.5 2.5	38.1 1.5
Right middle/ring/little ( <i>Future Capability</i> )	M	14	48	63.5 2.5	38.1 1.5
Left index/middle/ring ( <i>Future Capability</i> )	M	14	49	63.5 2.5	38.1 1.5
Left middle/ring/little ( <i>Future Capability</i> )	M	14	50	63.5 2.5	38.1 1.5

**Code List Name: FRICTION RIDGE GENERALIZED POSITION CODES (Continued)**

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.074	FGP	Finger Numbers Requested	Finger Position
Type-9 Minutiae Data Record	9.134	FGP	M1 Friction Ridge Generalized Position	
Type-9 Minutiae Data Record	9.302_1	FGP	EFS Finger, Palm, Plantar Position	Finger Segment
Type-13 Variable Resolution Latent Image Type	13.013	FGP	Friction Ridge Generalized Position	n/a
Type-13 Variable Resolution Latent Image Type	13.014_1	PDF	Search Position Description	Probable Decimal Finger Position Code
Type-13 Variable Resolution Latent Image Type	13.024	LQM	Latent Quality Metric	Friction Ridge Metric Position
Type-14 Variable Resolution Fingerprint Image	14.013	FGP	Friction Ridge Generalized Position	n/a
Type-14 Variable Resolution Fingerprint Image	14.014	DFP	Print Position Descriptors [Type-14]	Decimal Finger Position Code
Type-14 Variable Resolution Fingerprint Image	14.018_1	FRAP	Amputated or Bandaged	Friction Ridge Amputation
Type-14 Variable Resolution Fingerprint Image	14.021_1	FRSP	Finger Segment Position(s)	Friction Ridge Segment Position
Type-14 Variable Resolution Fingerprint Image	14.022_1	FRNP	Finger Segment Position(s)	Friction Ridge NIST Quality Position
Type-14 Variable Resolution Fingerprint Image	14.023_1	FRQP	Segmentation Quality Metric	Friction Ridge Segment Quality Position
Type-14 Variable Resolution Fingerprint Image	14.024_1	FRMP	Fingerprint Quality Metric	Friction Ridge Metric Position
Type-14 Variable Resolution Fingerprint Image	14.025_1	FRASD	Alternate Finger Segment Position	Friction Ridge Alternate Segment

**Code List Name: FRICTION RIDGE IMPRESSION CODES**

Code that indicates how the friction ridge sample was collected.

Description		Code				
		Fingerprint		Palm	Plantar	Unknown Friction Ridge
		Plain	Rolled			
Livescan	Livescan (type unknown or unspecified)	0	1	10	30	
	Vertical swipe	8				
	Optical contact	20	21			
	Non-optical contact	22	23			
	Optical contactless	24	25			
	Non-optical contactless	26	27			
	Optical Multispectral	40	41			
Non-livescan (e.g., inked)		2	3	11	31	
Latent	Impression	4		12	32	36
	Tracing	5		13	33	37
	Photo	6		14	34	38
	Lift	7		15	35	39
Other		28				
Unknown		29				

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data	9.003	IMP	Impression Type	n/a
Type-13 Variable Resolution Latent Image Record	13.003	IMP	Impression Type	n/a
Type-14 Variable Resolution Fingerprint Image	14.003	IMP	Impression Type	n/a
Type-15 Variable-Resolution Palmprint Image Record	15.003	IMP	Impression Type	n/a

**Code List Name: FRICTION RIDGE POSITION CODES**

Code that specifies which friction ridge biometric sample was collected.

Finger Position	Code	Max Width (mm) (in)		Max Height (mm) (in)	
Unknown finger	0	40.6	1.6	38.1	1.5
Right thumb	1	40.6	1.6	38.1	1.5
Right index finger	2	40.6	1.6	38.1	1.5
Right middle finger	3	40.6	1.6	38.1	1.5
Right ring finger	4	40.6	1.6	38.1	1.5
Right little finger	5	40.6	1.6	38.1	1.5
Left thumb	6	40.6	1.6	38.1	1.5
Left index finger	7	40.6	1.6	38.1	1.5
Left middle finger	8	40.6	1.6	38.1	1.5
Left ring finger	9	40.6	1.6	38.1	1.5
Left little finger	10	40.6	1.6	38.1	1.5
Plain right thumb	11	25.4	1.0	76.2	3.0
Plain left thumb	12	25.4	1.0	76.2	3.0
Plain right four fingers (may include extra digits)	13	81.3	3.2	76.2	3.0
Plain left four fingers (may include extra digits)	14	81.3	3.2	76.2	3.0
Left & right thumbs	15	81.3	3.2	76.2	3.0
Right extra digit	16	40.6	1.6	38.1	1.5
Left extra digit	17	40.6	1.6	38.1	1.5
Unknown friction ridge	18	139.7	5.5	213.0	8.5
EJI or tip	19	114.3	4.5	127.0	5.0



**Code List Name: FRICTION RIDGE POSITION CODES (Continued)****Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-14 Variable Resolution Fingerprint Image	14.013	FGP	Friction Ridge Generalized Position	n/a
Type-14 Variable Resolution Fingerprint Image	14.014	DFP	Print Position Descriptors [Type-14]	Decimal Finger Position Code
Type-14 Variable Resolution Fingerprint Image	14.018_1	FRAP	Amputated or Bandaged	Friction Ridge Amputation
Type-14 Variable Resolution Fingerprint Image	14.021_1	FRSP	Finger Segment Position(s)	Friction Ridge Segment Position
Type-14 Variable Resolution Fingerprint Image	14.022_1	FRNP	Finger Segment Position(s)	Friction Ridge NIST Quality Position
Type-14 Variable Resolution Fingerprint Image	14.023_1	FRQP	Segmentation Quality Metric	Friction Ridge Segment Quality Position
Type-14 Variable Resolution Fingerprint Image	14.024_1	FRMP	Fingerprint Quality Metric	Friction Ridge Metric Position
Type-14 Variable Resolution Fingerprint Image	14.025_1	FRASD	Alternate Finger Segment Position	Friction Ridge Alternate Segment
Type-15 Variable-Resolution Palmprint Image Record	15.013	FGP	Friction Ridge Generalized Position	
Type-15 Variable-Resolution Palmprint Image Record	15.024_1	FRMP	Palmprint Quality Metric	Friction Ridge Metric Position

**Code List Name: GENDER CODES**

---

Used to report the gender of the subject.

Code	Descriptor
F	Gender reported as Female
G	Occupation or charge indicated Male Impersonator
M	Gender reported as Male
N	Occupation or charge indicated Female Impersonator or Transvestite
Y	Male name, No Gender given
Z	Female name, No Gender given

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.024	SEX	Sex	
Type-2 User-Defined Descriptive Text Record	2.8038_1	IASSOC_SEX	Biometric Subject Associated Individual	Associated Individual Gender

**Code List Name: GEOGRAPHIC COORDINATE DATUM CODES**

Code used to indicate which coordinate system was used to represent the values in information items for the Geodetic Coordinate Datum fields.

Geodetic Datum Code	Value	Geodetic Datum Code	Value
Airy	AIRY	Australian National	AUST
Bessel 1841	BES	Bessel 1841 (Namibia)	BESN
Clarke 1866	CLK66	Clarke 1880	CLK80
Everest	EVER	Fischer 1960 (Mercury)	FIS60
Fischer 1968	FIS68	GRS 1967	GRS67
Helmert 1906	HELM	Hough	HOUG
International	INT	Krassovsky	KRAS
Modified Airy	AIRYM	Modified Everest	EVERM
Modified Fischer 1960	FIS60M	South American 1969	SA69
WGS-60	WGS60	WGS-66	WGS66
WGS-72	WGS72	WGS-84 / NAD-83	WGS84
Other	<entry up to 6 characters>		

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	Collection Location	Geodetic Datum Code	2.8114_09	GDC
Record Type-11: Forensic and Investigatory Voice Record	VOCAL SEGMENT GEOGRAPHICAL INFORMATION	GEODETTIC DATUM CODE	11.032_4	GDC
Record Type-11: Forensic and Investigatory Voice Record	VOCAL SEGMENT GEOGRAPHICAL INFORMATION	GEODETTIC DATUM COORDINATE SYSTEM NAME	11.032_5	GDC
Type-10 Facial, Other Body Part and SMT Image Record	Geographic Sample Acquisition Location	Geodetic Datum Code	10.998_09	GDC
Type-13 Variable Resolution Latent Image Codes	Geographic Sample Acquisition Location	Geodetic Datum Code	13.998_09	GDC
Type-14 Variable Resolution Fingerprint Image	Geographic Sample Acquisition Location	Geodetic Datum Code	14.998_09	GDC

**Code List Name:        GEOGRAPHIC COORDINATE DATUM CODES (Continued)**

---

Type-15 Variable-Resolution Palmprint Image Record	Geographic Sample Acquisition Location	Geodetic Datum Code	15.998_09	GDC
Type-17 Iris Image Record	Geographic Sample Acquisition Location	Geodetic Datum Code	17.998_09	GDC
Type-18 DNA Record	Geographic Sample Acquisition Location	Geodetic Datum Code	18.998_09	GDC
Type-20 Source Representation Record	Geographic Sample Acquisition Location	Geodetic Datum Code	20.998_09	GDC
Type-21 Associated Context Record	Geographic Sample Acquisition Location	Geodetic Datum Code	21.998_09	GDC
Type-99 CBEFF Biometric Data Record	Geographic Sample Acquisition Location	Geodetic Datum Code	99.998_09	GDC

**Code List Name:        GEOGRAPHIC NAME SET CODES**

---

This optional field is used if the transaction uses GENC in lieu of ISO 3166-1 as a code set for country code specifications.

Code	Description
GENC	Geopolitical Entities, Names, and Codes
ISO	International Standards Organization 3166-1

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-1 Transaction Information Record	1.018	GNS	Geographic Name Set	

**Code List Name:       GROUP TYPE CODES**

---

This code indicates the type of group that the biometric subject is associated with.

Code	Description
TRIB	Tribe
GANG	Gang
REL	Religious
SIG	Special Interest Group
POL	Political
TER	Terrorist Group
XXX	Undetermined
SOC	Social Networking Group

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8039_2	GMTYP	Biometric Subject Group Membership	Group Type

**Code List Name:        HAIR COLOR CODES**

---

Used to indicate the subject's color of hair.

Code	Descriptor
XXX	Unknown
BAL	Bald
BLK	Black
BLN	Blond or Strawberry
BRO	Brown
GRY	Gray or Partially Gray
RED	Red or Auburn
SDY	Sandy
WHI	White
BLU	Blue
GRN	Green
ONG	Orange
PNK	Pink
PLE	Purple
STR	Streaked

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.032	HAI	Hair Color	
Type-10: Facial, Other Body Part, and SMT Image Record	10.028	SHC	Subject Hair Color	
Type-10: Facial, Other Body Part, and SMT Image Record	10.028_0	SHC	Subject Hair Color	Repeating Subfields

**Code List Name:**        **HIT TYPE CODES**

---

Code for the type of hit that generated an unsolicited notification.

Code	Descriptor
RISC	Result of activity on a RISC Identity
FSI	Result of activity on an FSI Identity
SUPV REL	Result of activity on a Supervised Release Subject

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.2024	HTI	Hit Type Indicator	



**Code List Name: IAFIS MINUTIAE CODES**

---

Code that designates the minutiae type within the IAFIS Features for minutiae record type.

Code	Description
A	Ridge Ending
B	Ridge Bifurcation
C	Ridge Ending or Bifurcation – no distinction provided
D	Type other than ending or bifurcation

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data	9.023_4	MNT	Minutia and Ridge Count Data	Minutiae Type Designation

**Code List Name: IDENTIFICATION CODES**

This code indicates the type of identification in question.

Code	Description
PASS	Passport information
SSN	Social Security Number
VISA	Visa Number
LPID	Local Population Person Identifier
NIDDOC	National Identification Document
CAN	Civil Affairs Number
DLN	Driver's License Number
AF	Air Force Serial Number
AS	Serial Number – Army, Air National Guard, National Guard
BF	Bureau Fugitive Index Number
CI	Canadian Social Insurance Number
CG	U.S. Coast Guard Serial Number
IO	Identification Order Number
MC	Marine Corps Serial Number
MD	Mariner's Document or Identification Number
MP	RCMP Identification or Fingerprint Section Number
NA	National Agency Case Number
NS	Navy Serial Number
PS	Port Security Card Number
SS	Selective Service Number
VA	Veterans Administration Claim Number

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8019_1	CITYP	Collected Information	Collected Identification Type

**Code List Name: IDENTIFIER TYPE CODES**

This code is an identifier used to retrieve the biometric modality (e.g. TCN, FNU, DOD, SSN, ISN, GUID, etc.) It is up to the Application Profile to determine what the appropriate identifier type(s) should be.

Code	Description
TCN	Transaction Control Number
DOD	DoD Number
SSN	Social Security Number
ISN	Internment Serial Number
GUID	BAT GUID
FBI	FBI Number

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.850_5	MOD_ID_TYPE	Biometric Modality Available	Modality Retrieval Identifier Type
Type-2 User-Defined Descriptive Text	2.851_5	MODR_ID_TYPE	Biometric Modality Response	Modality Retrieval Identifier Type
Type-2 User-Defined Descriptive Text	2.8109_2	CAN_ID_CAT_CD	Repository Candidate List	Repository Candidate Identifier Category Code
Type-2 User-Defined Descriptive Text	2.8206_3	ARIDCATCD	Additional Response	Additional Response Identifier Category Code

**Code List Name: IMAGE ORIENTATION CODES**

---

Code that describes identifies vertical and/or horizontal image orientation for the image capture.

Code	Name	Description
0	Undefined	Not defined.
1	Base	Orientation refers to images corresponding to the view facing the subject, where the nasal side of subject's left eye or outer edge of the subject's right eye is on the left side of the image
2	Flipped	Orientation refers to images where the orientation is opposite from that described for "Base".

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-17 Iris Image Record	17.016_1	IHO	Image Property Code	Horizontal Orientation
Type-17 Iris Image Record	17.016_2	IVO	Image Property Code	Vertical Orientation

**Code List Name: IMAGE TRANSFORM VALUE CODES**

Code to indicate the manner in which the Type-10 record has been transformed from the original image.

Code	Description
AGE	Age progressed
AXIS	Off-axis image rectification / Angle correction
COLORSHIFT	Color shifted
CONTRAST	Contrast stretched
CROP	Cropped
DIST	Distortion corrected (e.g., fisheye correction)
DOWNSAMPLE	Down-sampled
GRAY	Grayscale from color
ILLUM	Illumination transform
IMGFUSE	Image-level fusion of two or more images
INTERPOLATE	Up-sampled
MULTCOMP	Multiply compressed
MULTIVIEW	Multi-view image
POSE	Face-specific pose correction
ROTATE	Rotated (in-plane)
SNIR	Simulated Near IR
SUPERRES	Super-resolution image, derived from multiple lower resolution images
WHITE	White balance adjusted

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.044	ITX	Occlusions	

**Code List Name: IMAGE SOURCE CODES**

---

Code that indicates to which source the included image belongs.

Code	Description
1	Tenprint Fingerprint Set
2	Palmpoint Set - Front of Card (including fingers on front)
3	Palmpoint Set - Fingers on Back of Card
4	Supplemental Print Set

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-14 Variable Resolution Fingerprint Image	14.200	ISC	Image Source Code	n/a

**Code List Name: INFORMATION CONTENT RELIABILITY CODES**

A code describing the reliability of the content of the information provided.

Code	Meaning	Description
1	Confirmed	<b><u>Confirmed</u></b> by other independent sources; <b><u>logical</u></b> in itself; <b><u>consistent</u></b> with other information on the subject
2	Probably True	Not confirmed; <b><u>logical</u></b> in itself; <b><u>consistent</u></b> with other information on the subject
3	Possibly True	Not confirmed; <b><u>reasonably logical</u></b> in itself; <b><u>agrees</u></b> with other information on the subject
4	Doubtfully True	Not confirmed; possible but <b><u>not logical</u></b> ; <b><u>no other information</u></b> on the subject
5	Improbable	Not confirmed; <b><u>not logical</u></b> in itself; <b><u>contradicted</u></b> by other information on the subject
6	Cannot Be Judged	<b><u>No basis</u></b> exists for evaluating the validity of the information

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.8399_11	CAV_CON	Caveat	Caveat Content Reliability

**Code List Name: IRIS IMAGE OMITTED REASON CODES**

---

This code indicates why the iris image (Type-17 record) is not present in the associated file.

Code	Description
L	Not possible to capture left iris
Z	Left eye missing
R	Not possible to capture right iris
X	Right eye missing
B	Not possible to capture either iris
A	Both eyes missing

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8110	IOMITTED	Iris Image Omitted Reason	



**Code List Name: IRIS STORAGE FORM CODES**

---

Code that specifies the storage format of the iris image.

Code	Description	Iris Centering	Iris Margin Requirement (R is radius of the iris)	
			Horizontal	Vertical
1	Unconstrained	Recommended	$\geq 0.6R$	$\geq 0.2R$
2	Raw: 640x480	Recommended	$\geq 0.6R$	$\geq 0.2R$
3	Cropped	Required	$= 0.6R$	$= 0.2R$
7	Cropped and Masked	Required	$= 0.6R$	$= 0.2R$

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-17 Iris Image Record	17.032	ISF	Iris Storage Format	

**Code List Name: IRIS SUBJECT ACQUISITION PROFILE CODES**

---

Code that profile levels for iris acquisition.

Capture	IAP 20	IAP 30	IAP 40
Iris diameter in true, non-upscaled pixels	>= 140 pixels	>= 170 pixels	>= 210 pixels
Number of (quasi-) simultaneously captured eyes	>= 1	>= 1	2
Exposure time	<= 33 ms	<= 15 ms	<= 10 ms

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-17 Iris Image Record	17.031	IAP	Subject Acquisition Profile - IRIS	

**Code List Name:       ISC CODES**

---

Code that indicates to which source the included image belongs.

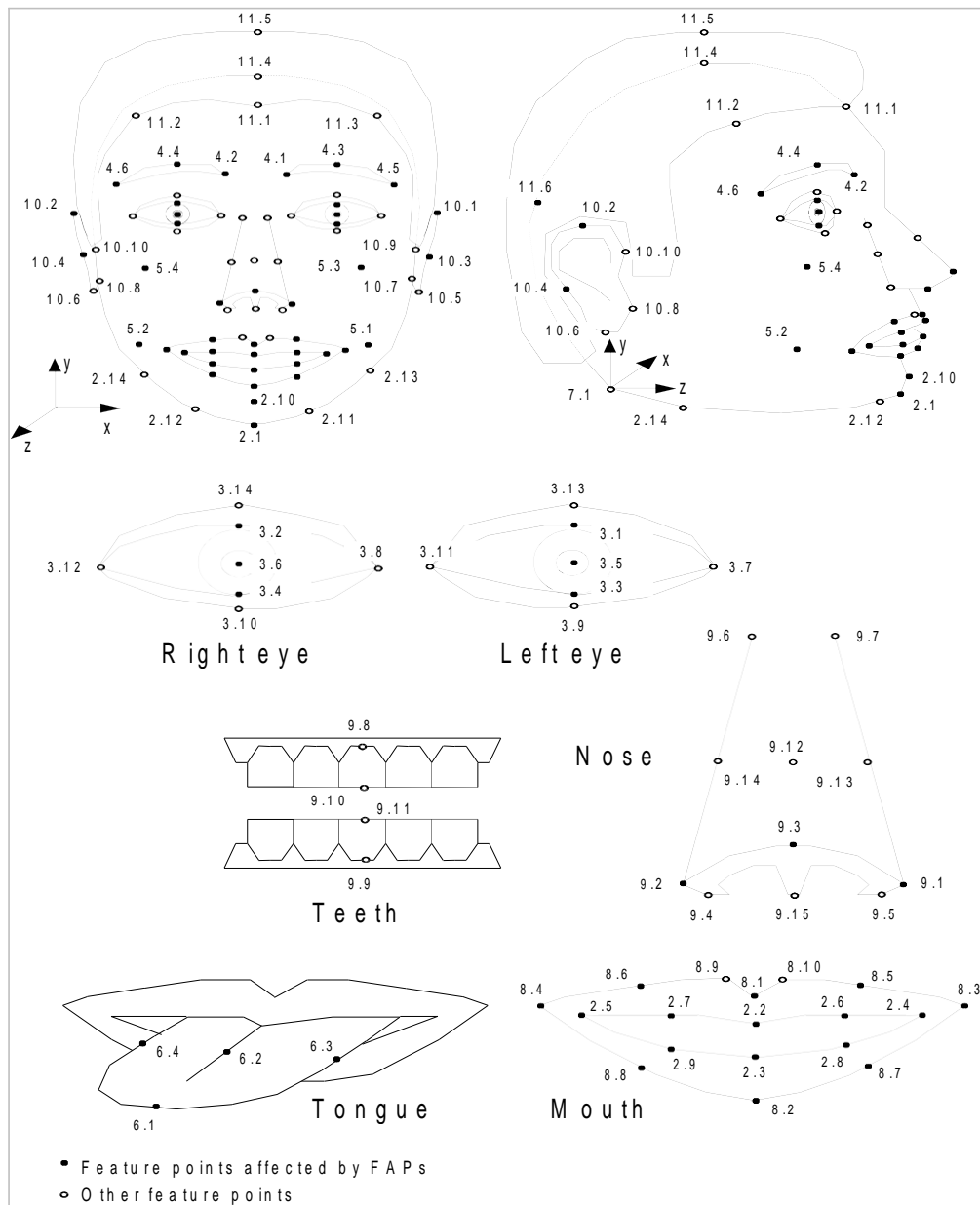
Code	Description
1	Tenprint Fingerprint Set
2	Palmprint Set - Front of Card (including fingers on front)
3	Palmprint Set - Fingers on Back of Card
4	Supplemental Print Set

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-15 Variable-Resolution Palmprint Image Record	15.200	ISC	Image Source Code	

**Code List Name: ISO/IEC 14496-2 FEATURE POINT CODES**

Code to indicate the illustrated feature points in the figure below as described in ISO/IEC 14496-2.



**Code List Name:**        **ISO/IEC 14496-2 FEATURE POINT CODES (Continued)**

---

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.049_1	LPW	Cheilioscopic Image Description	Lip Print Width
Type-10 Facial, Other Body Part and SMT Image Record	10.049_2	LPH	Cheilioscopic Image Description	Lip Print Height
Type-10 Facial, Other Body Part and SMT Image Record	10.049_3	PHW	Cheilioscopic Image Description	Philtrum Width

**Code List Name:** IUPAC DNA CODES

---

Code that indicates the codes valid to represent DNA base pairs in a string.

Code	Description
R	G, A
Y	T, C
M	A, C
K	G, T
S	G, C
W	A, T
H	A, C, T
B	G, T, C
V	G, A, C
D	G, A, T
N	G, A, T, C
-	Deletion / Gap

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-18 DNA Record	18.017_1	MT1	Mitochondrial DNA data	Mito Control Region 1
Type-18 DNA Record	18.017_2	MT2	Mitochondrial DNA data	Mito Control Region 2

**Code List Name:        LIGHTING ARTIFACTS CODES**

---

Code to indicate the lighting components.

Code	Description
F	Face shadows
H	Hot spots
R	Reflections from eye glasses

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.019	LAF	Lighting Artifacts	

**Code List Name: LIGHTING SPECTRUM ACQUISITION CODES**

Code that indicates the acquisition spectrum used in capturing the iris image

Code	Description	Spectrum
NIR	Near-infrared illumination.	Approx. 700-900 nm.
DEFINED	Defined acquisition spectrum, in range of nanometers rounded to the nearest 10 nm, e.g., 828 to 830. This option provides the means to specify the acquisition spectrum when known with precision. When this value is used, Field 17.027: Specified spectrum values / SSV shall accompany it. The format of the two information items in that field shall be a 3 or 4-digit integer specifying the minimum of the spectrum range in nanometers, followed by a 3 or 4-digit integer specifying the maximum of the spectrum range in nanometers. The minimum value shall be less than or equal to the maximum value.	
VIS	Visible full-spectrum acquisition NOTE: Visible images cannot usually be matched against near infrared images because either no detail, or different detail, of the iris texture is present in a visible light image. Interoperability between VIS and NIR images remains a research issue. VIS images are supported by this standard for supplemental, forensic, and research purposes only. Such use cases may extend to the periocular region.	Approx. 380–750 nm
RED	Red portion of visible full-spectrum illumination NOTE: Red light visible images cannot usually be matched against near-infrared images because no detail, noisy detail, or different detail, of the iris texture is present in a red light image. Interoperability between VIS and RED images remains a research issue. RED images are supported by this standard for supplemental, forensic, and research purposes only. Such use cases may extend to the periocular region.	Approx. 620–750 nm
UNDEFINED	This value shall be used when the effective spectrum is unknown or unavailable, and is not better described by one of the other values.	

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-17 Iris Image Record	17.025	EAS	Effective Acquisition Spectrum	



**Code List Name: LIP CONTACT LINE DESCRIPTOR CODES**

---

Code to describe the lip contact line descriptor codes.

Code	Description
L	Linear contact line of the two lips
C	Curved contact line of the two lips
M	Mixed shape contact line

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.049_7	LCLD	Cheilioscopic Image Description	Lip Contact Line Descriptor

**Code List Name: LIP PATHOLOGIES AND PECULIARITIES CODES**

Code to describe the lip pathologies and peculiarities codes.

Code	Description
1	Herpetetic lesions
2	Scar(s)
3	Severe cracking
4	Blood varicosities
5	Intense 'whirls'
6	Mole
7	Cuts and scabs
8	Cleft lip (cheiloschisis) – unilateral incomplete - left
9	Cleft lip (cheiloschisis) – unilateral incomplete - right
10	Cleft lip (cheiloschisis) – unilateral complete - left
11	Cleft lip (cheiloschisis) – unilateral complete - right
12	Cleft lip (cheiloschisis) – bilateral incomplete
13	Cleft lip (cheiloschisis) – bilateral complete
14	Piercing – upper lip
15	Piercing – lower lip
16	Tattoo – upper lip
17	Tattoo – lower lip
99	Other (describe in <b>LPPT</b> )

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.049_9	LPPL	Cheilioscopic Image Description	Lip Print Pathologies and Peculiarities List

**Code List Name: LIP PRINT MEDIUM CODES**

---

Code the medium with which the lip print was made.

Code	Description
1	Lipstick / lip balm
2	Water / sweat / natural moisture / other liquid
3	Food residue (such as cream cheese)
9	Other (describe in <b>LPMT</b> )

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.049_13	LPSL	Cheilioscopic Image Description	Lip Print Medium Code

**Code List Name: LIP PRINT SURFACE CODES**

---

Code that describes the surface on which the lip print occurs.

Code	Description
1	Glass photographic mount or other surface used for exemplars
2	Human skin (describe in <b>LPST</b> )
3	Clothing - such as a shirt collar (describe in <b>LPST</b> )
9	Other - such as a drinking glass (describe in <b>LPST</b> )

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.049_11	LPSL	Cheilioscopic Image Description	Lip Print Surface List

**Code List Name: MARITAL STATUS CODES**

---

This code indicates marital status of the biometric subject.

Code	Description
SGL	Single; sum of never-married, widowed, and divorced people
NMA	Never Married
WID	Widowed
DIV	Divorced
MAR	Married; sum of “married, spouse present”, “separated”, and “other married, spouse absent”
MSP	Married, Spouse Present
SEP	Separated
MOT	Other Married, Spouse Absent

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8016	SUBJ_MARITAL	Biometric Subject Marital Status	

**Code List Name: MEANS OF DETERMINING RESOLUTION CODES**

Code that specifies whether the resolution is calculated (from a ruler or known scale), estimated (by a human or computer), or is from a known source (such as a flatbed scanner or standard form).

Code	Description
FLATBED	Resolution is known since the image was acquired from a flatbed scanner with a fixed resolution
FIXED	Resolution is known since the image was acquired from a fixed-resolution capture device other than a flatbed scanner
RULER	Resolution was calculated based upon a ruler present in the image
FORM	Resolution was calculated based upon the use of a standard form with a known scale
EST-HUMAN	Resolution was estimated by a human
EST-AUTO	Resolution was estimated by an automated process. It is recommended that the process be described in <b>comment / COM</b>

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-13 Variable Resolution Latent Image Type	13.018_1	RSU	Ruler or Scale Presence	Known Scale Units
Type-13 Variable Resolution Latent Image Type	13.019_3	KSU	Resolution Method	Known Scale Units

**Code List Name:        MILITARY ACTIVE INDICATOR CODES**

---

This code indicates whether the subject is active or inactive in the associated military.

Code	Description
Y	Active
N	Inactive

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.855_4	MIL_IND	Military Association	Military Active Indicator

**Code List Name:        MILITARY CODES**

---

Code for branch of the United States Military submitted the enlistment transaction.

Code	Military Branch
A	Army
F	Air Force
N	Navy
M	Marines
G	Coast Guard

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.042	MIL	Military Code	



**Code List Name: MILITARY RANK GRADE CODES**

This code indicates the military rank or civilian grade of the person.

Service Branch	Code	Description
General	TBD	To be determined
US DoD Other	CNTR	Contractor
	CIV	Civilian
	TIER1	TIER1 – Test Code
	TIER2	TIER2 – Test Code
US ARMY	E1	Private E1
	E2	Private E2
	E3	Private First Class
	E4	Specialist, Corporal
	E5	Sergeant
	E6	Staff Sergeant
	E7	Sergeant First Class
	E8	Master Sergeant, First Sergeant
	E9	Sergeant Major, Command Sgt Major, Sergeant Major of the Army
	W1	Warrant Officer 1
	W2	Chief Warrant Officer 2
	W3	Chief Warrant Officer 3
	W4	Chief Warrant Officer 4
	W5	Chief Warrant Officer 5
	O1	Second Lieutenant
	O2	First Lieutenant
	O3	Captain
	O4	Major
	O5	Lieutenant Colonel
	O6	Colonel
	O7	Brigadier General
	O8	Major General
	O9	Lieutenant General
	O10	General
US NAVY	E1	Seaman Recruit
	E2	Seaman Apprentice
	E3	Seaman
	E4	Petty Officer Third Class
	E5	Petty Officer Second Class
	E6	Petty Officer First Class
	E7	Chief Petty Officer
	E8	Senior Chief Petty Officer

**Code List Name: MILITARY RANK GRADE CODES (Continued)**

	E9	Master Chief Petty Officer, Fleet/Command Master Chief Petty Officer, Master Chief Petty Officer of the Navy
	W1	Warrant Officer 1
	W2	Chief Warrant Officer 2
	W3	Chief Warrant Officer 3
	W4	Chief Warrant Officer 4
	W5	Chief Warrant Officer 5
	O1	Ensign
	O2	Lieutenant Junior Grade
	O3	Lieutenant
	O4	Lieutenant Commander
	O5	Commander
	O6	Captain
	O7	Rear Admiral Lower Half
	O8	Rear Admiral Upper Half
	O9	Vice Admiral
	O10	Admiral
	O11	Fleet Admiral
US MARINE CORPS	E1	Private E1
	E2	Private E2
	E3	Private First Class
	E4	Specialist, Corporal
	E5	Sergeant
	E6	Staff Sergeant
	E7	Sergeant First Class
	E8	Master Sergeant, First Sergeant
	E9	Sergeant Major, Command Sgt Major, Sergeant Major of the Marine Corps
	W1	Warrant Officer 1
	W2	Chief Warrant Officer 2
	W3	Chief Warrant Officer 3
	W4	Chief Warrant Officer 4
	W5	Chief Warrant Officer 5
	O1	Second Lieutenant
	O2	First Lieutenant
	O3	Captain
	O4	Major
	O5	Lieutenant Colonel

**Code List Name: MILITARY RANK GRADE CODES (Continued)**

	O6	Colonel
	O7	Brigadier General
	O8	Major General
	O9	Lieutenant General
	O10	General
US AIR FORCE	E1	Airman Basic
	E2	Airman
	E3	Airman First Class
	E4	Senior Airman
	E5	Staff Sergeant
	E6	Technical Sergeant
	E7	Master Sergeant, First Sergeant
	E8	Senior Master Sergeant, First Sergeant
	E9	Chief Master Sergeant, First Sergeant, Command Chief Master Sergeant, Chief Master Sergeant of the Air Force
	O1	Second Lieutenant
	O2	First Lieutenant
	O3	Captain
	O4	Major
	O5	Lieutenant Colonel
	O6	Colonel
	O7	Brigadier General
	O8	Major General
	O9	Lieutenant General
	O10	General

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.855_3	MIL_RANK	Military Association	Rank Grade Code
Type-2 User-Defined Descriptive Text	2.8115_3	RANK	Operational Personnel	Rank Grade Code

**Code List Name: MINUTIA FORMAT CODES**

---

Code that indicates the format of minutia. This field shall always have a value “U”, unless including legacy records 9.005 through 9.012 (described in ANSI/NIST-ITL 1-2007 and ANSI/NIST-ITL 2-2008), when this field shall contain “S”.

Code	Description
U	User-Defined Format
S	Standard Format (Deprecated)

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data	9.004	FMT	Minutia Format	

**Code List Name: MISCELLANEOUS IDENTIFICATION NUMBER CODES**

Used to denote any miscellaneous identification numbers

Code	Descriptor
AF	Air Force Serial Number
AR	Alien Registration Number
AS	Air National Guard Serial Number, Army Serial Number, National Guard Serial Number
BF	Bureau Fugitive Index Number
CI	Canadian Social Insurance Number
CG	U. S. Coast Guard Serial Number
IO	Identification Order Number
MC	Marine Corps Serial Number
MD	Mariner's Document or Identification Number
MP	RCMP Identification or Fingerprint Section Number
NA	National Agency Case Number
NS	Navy Serial Number
PP	Passport Number (U.S. Only)
PS	Port Security Card Number
SS	Selective Service Number
VA	Veterans Administration Claim Number

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.017	MNU	Miscellaneous Identification Number	

**Code List Name: MISSING AND DAMAGED EYE CODES**

---

Code that specifies if one or both eyes are unable to provide usable iris images

Code	Description
MA	Missing or Artificial Eye
UC	Unable to Capture Image

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-17 Iris Image Record	17.028	DME	Damaged or Missing Eye	

**Code List Name: MISSION CODES**

---

This code indicates the type of mission under which the biometric subject's data was collected.

Code	Description
AC	Access
CP	Combat Patrol
PC	Population Control
SE	Site Exploitation
EMIO	Expanded Maritime Interception Operation
OTHER	Other
DT	Detainee Transfer
EN	Enrollment
HA	Humanitarian Aid
VBSS	Vessel Board Search and Seizure for Navy

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8102	ENCTR_MSN	Encounter Mission Type	

**Code List Name: MODALITY SUB-TYPE CODES**

This code contains a more specific type of the particular biometric modality being referenced.

General Classification	Code	Description
	0	Unknown
Finger Position	1	Right thumb
	2	Right index finger
	3	Right middle finger
	4	Right ring finger
	5	Right little finger
	6	Left thumb
	7	Left index finger
	8	Left middle finger
	9	Left ring finger
	10	Left little finger
	11	Plain right thumb
	12	Plain left thumb
	13	Plain right four fingers
	14	Plain left four fingers
	15	Left and Right thumbs
	19	EJL or tip
Palm Codes	20	Unknown Palm
	21	Right Full Palm
	22	Right Writer's Palm
	23	Left Full Palm
	24	Left Writer's Palm
	25	Right Lower Palm
	26	Right Upper Palm
	27	Left Lower Palm
	28	Left Upper Palm
	29	Right Other ( <i>Unknown Right hand</i> ) Searching <i>Right hands between 21 – 38</i>
	30	Left Other ( <i>Unknown Left hand</i> ) Searching <i>Left hands between 21 - 38</i>
	31	Right Interdigital
	32	Right Thenar
	33	Right Hypothenar
	34	Left Interdigital
	35	Left Thenar
	36	Left Hypothenar



**Code List Name:        MODALITY SUB-TYPE CODES (Continued)**

2-Finger Combinations	40	Right index/middle
	41	Right middle/ring
	42	Right ring/little
	43	Left index/middle
	44	Left middle/ring
	45	Left ring/little
	46	Right index/Left index
3-Finger Combinations	47	Right index/middle/ring
	48	Right middle/ring/little
	49	Left index/middle/ring
	50	Left middle/ring/little
General	LEFT	Left
	RIGHT	Right
	ALL	All Available Sub-Types

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.850_2	MOD_STYPE	Biometric Modality Available	Modality Sub- type
Type-2 User-Defined Descriptive Text	2.851_2	MODR_STYPE	Biometric Modality Response	Modality Sub- type

**Code List Name: MODALITY TYPE CODES**

---

This code contains the type of biometric modality indicated.

Code	Description
FACE	Facial Features
VOICE	Voice
FINGER	Fingerprint
IRIS	Iris
DNA	DNA
PALM	Palm Print
SMT	Scars, Marks, and Tattoos
DNAPF	DNA Profile
ALL	All Available Modality Type

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.850_1	MOD_TYPE	Biometric Modality Available	Modality Type
Type-2 User-Defined Descriptive Text	2.851_1	MODR_TYPE	Biometric Request	Modality Type

**Code List Name:        NAME CODES**

---

Code for describing the manner in which each name is to be entered.

Code	Description
"UNKNOWN AMNESIA,XX"	Amnesia Victim
"UNKNOWN DECEASED,XX"	Unknown Deceased
"DOE,JOHN" or "DOE,JANE"	Name Not Available (Other)

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.018	NAM	Name Legacy	

**Code List Name:** NCIC DESTINATION CODES

---

NCIC code for each scar, mark, or tattoo present on the subject.

Code	Descriptor
NCIC Manual	NCIC Code Manual version 10.3

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.026	SMT	Scars, Marks and Tattoos	

**Code List Name: NIST IMAGE QUALITY SCORE CODES**

---

Code that is a quantitative expression of the predicted AFIS matcher accuracy performance of the fingerprint image.

Code	Description
1	Best Quality
2	Good Quality
3	Medium Quality
4	Poor Quality
5	Worst Quality
254	No Score Computed
255	Failed attempt to calculate the image quality metric

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-14 Variable Resolution Fingerprint Image	14.022_2	IQS	NIST Quality Metric	NIST Image Quality Score

**Code List Name:        NUMERIC FORMAT CODES**

---

Code Representing allowed integer and floating point representations.

Code	Description
S	Signed Integer
B	Floating Point - Binary
D	Floating Point - Decimal

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Record Type-11: Forensic and Investigatory Voice Record	CODEC	NUMERIC FORMAT	11.014_5	NFMT

**Code List Name:        OCCLUSION TYPE CODES**

---

Code to indicate Type of occlusion.

Code	Type	Description
L	Lashes	Eyelashes or reflections of eyelashes (iris only)
H	Head covering	Hair, hat, veil, burka, or other head covering (face only)
S	Specular	Specularity, reflection of light
C	Shadow	Shadow cast
R	Reflection	Reflection of an object
O	Other	Any other occlusion, such as eyeglass frames blocking the image

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.045_2	OCT	Occlusions	Occlusion Type
Type-17 Iris Image Record	17.037_2	OCT	Non-eyelid Occlusions	Occlusion Type

**Code List Name:        OCCLUSION OPACITY CODES**

Contains a code from the Occlusion Opacity Code table.

Code	Type	Description
T	Total	There is no detail in the area of the occlusion.
I	Interference	The occlusion contains interfering texture such as eyelashes, hair or reflection.
L	Partial light	There is detail in the area of the occlusion that is lighter than the rest of the face of iris.
S	Partial shadow	There is detail in the area of the occlusion that is darker than the rest of the face or iris.

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.045_1	OCY	Occlusions	Occlusion Opacity
Type-17 Iris Image Record	17.037_1	OCY	Non-eyelid Occlusions	Occlusion Opacity



**Code List Name: OCTANT RESIDUALS CODES**

Code that indicates into which half of the octant each neighboring minutia lies. This subfield is beneficial for performance but not mandatory. The characters are ordered left to right according to the ascending octant index.

Code	Description
0	The neighboring minutia lies in the clockwise half of the octant or if there is no neighboring minutiae in the octant
1	The neighboring minutia lies in the counterclockwise half of the octant

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data	9.023_13	MNT	Minutia and Ridge Count Data	Octant Residuals

**Code List Name: ON/OFF CODES**

---

This code indicates if the specified information item is set to On or Off.

Code	Description
1	On
0	Off

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.350_1	ALERT_FUN	Alert	Alert Function

**Code List Name: OFF-CENTER FINGERPRINT CODES**

---

This code is optional and only applies to fingerprints in which the impression does not contain the central area of the fingerprint (i.e., the core or a center point of reference), in which case the 1-character codes are used to indicate the off-center position of the fingerprint image. This information item shall be omitted if Field 9.302\_1, FGP - Friction Ridge Generalized Position, indicates palm or plantar.

Code	Description
T	The plain or rolled tip of the finger or thumb
R	The right side of the finger or thumb
L	The left side of the finger or thumb

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.302_3	OCF	EFS Finger, Palm, Plantar Position	Off-Center Fingerprint

**Code List Name: OFFENSE CATEGORY CODES**

---

Code for the type of crime committed by the biometric subject.

Code	Description
1	Personal
2	Property
3	Both

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.053	OFC	Offense Category	

**Code List Name: OPERATIONAL PERSONNEL CODES**

---

This code indicates the role of the Operational Personnel.

Code	Description
AO	ABIS Operator
RA	Requesting Authority
AA	Approval Authority
EN	Enroller
LS	Latent Submitter
LT	Latent Technician
SR	Screenener
SP	Sponsor
BC	Biometric Sample Collector

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8115_2	OPRL	Operational Personnel	Operational Personnel Role

**Code List Name:            OPERATIONAL PERSONNEL IDENTIFIER CODES**

---

This code specifies the type of unique identifier of the Operational Personnel.

Code	Description
SSN	Social Security Number
EDIPI	EDIPI
DOD	DoD Number
BATGUID	BAT Global Unique Identifier
DBIDS	DBIDS Identifier

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8115_5	OPIDCATCD	Operational Personnel	Operational Personnel Identifier Type

**Code List Name: PALM POSITION CODES**

Code indicating palm position.

Code	Palm Position
20	Unknown palm
21	Right full palm
22	Right writer's palm
23	Left full palm
24	Left writer's palm
25	Right lower palm
26	Right upper palm
27	Left lower palm
28	Left upper palm
29	Right other
30	Left other
31	Right interdigital
32	Right thenar
33	Right hypothenar
34	Left interdigital
35	Left thenar
36	Left hypothenar
37	Right grasp
38	Left grasp
81	Right carpal delta area
82	Left carpal delta area
83	Right full palm, including writer's palm
84	Left full palm, including writer's palm
85	Right wrist bracelet
86	Left wrist bracelet

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.057	FNR	Finger Number(s) Requested	
Type-2 User-Defined Descriptive Text Record	2.2028_4	FNR	Biometric Image Description	Friction Ridge Position Requested
Type-2 User-Defined Descriptive Text Record	2.2032_6	FNR	Audit Trail Record	Friction Ridge Position Requested
Type-15 Variable-Resolution Palmprint Image Record	15.018_1	FRSP	Finger Segment Position	Friction Ridge Segment Position

**Code List Name:** PALM PRINT AVAILABLE INDICATOR CODES

---

Code indicating if palm prints are available.

Code	Descriptor
Y	YES

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.035	PPA	Palmprints Available Indicator	



**Code List Name: PEDIGREE MEMBER STATUS CODES**

---

Code that indicates the pedigree of the data in question.

Code	Description
K	Known
U	Unknown

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-18 DNA Record	18.009_3	PMS	Pedigree Information	Pedigree Member Status

**Code List Name:**        **PERSON ALTERNATE NAME CATEGORY CODES**

---

This code indicates the type of name in question.

Code	Description
AKA	Alias
MAID	Maiden
NICK	Nickname

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8026_1	NAMCATCD	Biometric Subject Alternate Name	Person Alternate Name Category

**Code List Name: PERSON CATEGORY CODES**

This code describes a general category or classification of a biometric subject by the reason they are of interest when encountered.

Code	Description
ADGR	Active Duty or Guard or Reserve on Active Duty Assignment
AD_OR_GUARD_OR_RESERVER_ON_ADFM	AD or Guard/Reserve on Active Duty Family Member
CIVILIAN_ASSOCIATE	Civilian Associate (e.g. Red Cross or USO)
CIVILIAN_INTERNEE	Civilian Internee
COM	Coalition Member
FOREIGN_NATION_HIRE_CONTRACTOR_OCONUS	Contractor For Third Country National
CONVEYANCE_OPERATOR	Conveyance Operator
CRIMINAL	CRIMINAL
DETAINEE	DETAINEE
DISTINGUISHED_CIVILIAN	Distinguished Civilian
DOD_BENEFICIARY	DoD Beneficiary (Retiree, Disabled American Veteran, Transitional Comp)
DOD_CIVIL_SERVICE_OR_NAF	DoD Civil Service or NAF
DOD_CONTRACTOR	DoD Contractor
DOD_OR_USCS_OR_NAF_FAMILY_MEMBER	DoD or Uniform Service Civil Service or NAF Family Member
DOD_OR_USC_FAMILY_MEMBER	DoD or Uniform Service Contractor Family Member
ENEMY_COMBATANT	Enemy Combatant
EPW	Enemy Prisoner of War
FEDERAL_ASSOCIATE	Federal Associate (e.g. State Dept)
FOREIGN_MILITARY	Foreign Military
HIGH_VALUE_DETAINEE	High Value Detainee
NATION_HIRE_OCONUS	Host Nation Hire (OCONUS) (e.g. Local National)
HOST_NATION_MILITARY_OCONUS	Host Nation Military (OCONUS
IDENTI_KID	Identi-Kid
LAWFUL_ENEMY_COMBATANT	Lawful Enemy Combatant
MIO	Maritime Interception Operation Encounter
US_PER_CIT	U.S. Person/U.S. Citizen
NATIONAL_GUARD	National Guard

**Code List Name: PERSON CATEGORY CODES (Continued)**

Code	Description
NATIONAL_GUARD_FAMILY_MEMBER	National Guard Family Member
NON_GOVERNMENT_CIVILIAN	Non-Government Civilian
OEN	Operational or Combat Encounter
OTHER_DETAINEE	Other Detainee
PEN = Patrol or Checkpoint Encounter	Patrol or Checkpoint Encounter
FACILITIES_SERVICE_PERSON	Person (Delivery, Pickup, Repair)
PERSONAL_SERVICES_OR_DOMESTIC	Personal Services or Domestic
PROTECTED_PERSON	Protected Person
RESERVE	Reserve
RESERVE_FAMILY_MEMBER	Reserve Family Member
RETAINED_PERSONNEL	Retained Personnel
SECURITY_INTERNEE	Security Internee
TCN	Third Country National
XXX	Unknown
UNLAWFUL_ENEMY_COMBATANT	Unlawful Enemy Combatant
VOLUNTEER_AGENCY	Member of Service Volunteer Agency
OTHER	Other
SUSPECT	Suspect
VICTIM	Victim
ELIMINATION	Elimination

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.310	PER_TYPE	Biometric Subject Personnel Type	

**Code List Name: PLACE OF BIRTH CONDITION CODES**

Values utilized when assigning the place of birth country located in Appendix O NGI-DOC-01078-10.0.

If the following conditions exist	Enter Code
POB stated as state AND country and applicable code not contained in Code Table; OR city can be ascertained as not being located in the United States; OR foreign POB and applicable code not contained in Code Table	YY
POB stated as only city AND city can be ascertained as being located in the United States	US
POB is Mexico or any Mexican state or province not in Code Table	MM
POB is "Mexico, Mexico"	MX
POB is unknown	XX

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.020	POB	Place of Birth	

**Code List Name: PRINT POSITION DESCRIPTOR CODES**

Code to indicate the portion of the image database to search.

Code	Description
EJI	Entire Joint Image
TIP	Rolled Tip Image (Type-14) Latent Fingerprint (Type-13)
FV1	Full Finger Rolled View
FV2	Full Finger Plain Image – left side
FV3	Full Finger Plain Image – center
FV4	Full Finger Plain Image – right side
PRX, DST, MED	Proximal, Distal, or Medial Segment

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.2030_2	FIC	Print Position Descriptors	Friction Ridge Generalized Position
Type-9 Minutiae Data Record	9.302_2	FSM	EFS Finger, Palm, Plantar Position	Finger Segment
Type-13 Variable Resolution Latent Image Type	13.014_2	FIC	Search Position Descriptors	Finger Image Code
Type-13 Variable Resolution Latent Image Type	13.015_1	FVC	Print Position Coordinates	Full Finger View
Type-14 Variable Resolution Fingerprint Image	14.014_2	FIC	Print Position Descriptors	Finger Image Code
Type-14 Variable Resolution Fingerprint Image	14.015_1	FVC	Print Position Coordinates	Full Finger View
Type-14 Variable Resolution Fingerprint Image	14.015_2	LOS	Print Position Coordinates	Location of Segment

**Code List Name:**        **PROFICIENCY CODES**

---

Used to indicate the skill level of the subject in a particular area.

Code	Descriptor
1	Expert
2	Good
3	Average
4	Below Average

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.8548_2	SUBJ_SPEC_PRO	Biometric Subject Specialty	Biometric Subject Specialty Proficiency

**Code List Name: RACE CODES**

---

Used to indicate the race of the subject.

Code	Descriptor
A	Chinese, Japanese, Filipino, Korean, Polynesian, Indian, Indonesian, Asian Indian, Samoan, or any other Pacific Islander
B	A person having origins in any of the black racial groups of Africa
I	American Indian, Eskimo, Alaskan native, or person with origin in any of the 48 US contiguous states or Alaska who maintains cultural identification through tribal affiliation or community recognition
U	Of indeterminable race
W	Caucasian, Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.025	RAC	Race	



**Code List Name: RECORD CATEGORY CODE REFERENCED CODES**

---

This code specifies the code for the logical record referenced.

Code	Description
0	Entire Submission
2	Type-2 Contextual Data

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8118_4	REC	Collection Make/Model/Serial Number	Record Category Code Reference

**Code List Name:        RECORDING AWARENESS INDICATOR CODES**

---

A code indicating level of awareness that a recording is being made.

Code	Description
0	Indicates unknown
1	Indicates aware
2	Indicates unaware

Referenced By:

Field Type	Field No.	Mnemonic	Category	Subcategory
Record Type-11: Forensic and Investigatory Voice Record	11.037_14	RAI	VOCAL SEGMENT SPEAKER CHARACTERISTICS	RECORDING AWARENESS INDICATOR

**Code List Name: REDACTION INDICATOR CODES**

---

A Redaction/Discontinuity Indicator Code.

Code	Description
0	No redaction occurred or there are no discontinuous signals on the recording
1	Redaction has occurred or there are discontinuities.
2	The organization creating this record is not able to assert or does not assert that redaction has occurred or not occurred/there are or are not discontinuities in the recording.

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Record Type-11: Forensic and Investigatory Voice Record	11.021	RDI	REDACTION	REDACTION INDICATOR

**Code List Name:        RELATIONSHIP CODES**

---

Code that indicates a relationship to the person in question.

Code	Description
1	Biological child
2	Biological father
3	Biological mother
4	Biological sibling
5	Maternal relative
6	Paternal relative
7	Other / unknown

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-18 DNA Record	18.007	COPR	Claimed or Purported Relationship	n/a
Type-18 DNA Record	18.008	VRS	Validated Relationship	n/a

**Code List Name:        REPOSITORY STATISTICS RESPONSE CODES**

Code used to the repository statistics response file category specification.

Condition Name	Field Name	Condition Name	Field Name
Race	RACE	5	U, A, B, I, W
Gender	GENDER	7	X, M, N, G, Y, F, Z
Year of Birth	DOB	101	UNK, or last two digits of year
Place of Birth	POB	422	EBTS defined in Appendix O
Place of Arrest	ARREST	422	EBTS defined in Appendix O
Finger Positions	FINGER	11	EBTS defined finger codes: 00-10
Hand Positions	PALM	17	EBTS defined palm codes 20-36
EJI Positions	EJI	30	EBTS defined joint image segments for each finger. PRX01, DST01, PRX02, MED02, DST02, etc. and LEFT/RIGHT when only full EJI is identified
Arch	ARCH	10	EBTS defined finger codes: 01-10
Left Slant Loop	LEFTSLT	10	EBTS defined finger codes: 01-10
Right Slant Loop	RIGHTSLT	10	EBTS defined finger codes: 01-10
Whorl	WHORL	10	EBTS defined finger codes: 01-10

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.065	RSR	Repository Statistics Response	

**Code List Name: RIDGE COUNT NUMBER CODES**

Code represents the number of ridges between the core and the delta.

Pattern	Code	RCN1	RCN2
Arch, Type Not Designated	AU	0	0
Whorl, Type Not Designated	WU	1-31	1-31
Right Slant Loop	RS	1-31	0
Left Slant Loop	LS	1-31	0
Complete Scar	SR	0	0
Amputation	XX	0	0
Unable to print (e.g., bandaged)	UP	0	0
Unable to Classify	UC	0	0

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.091_2	RCN1	Ridge Core Delta One for Subpattern Classification	First Subpattern Ridge Count
Type-2 User-Defined Descriptive Text Record	2.092_2	RCN2	Ridge Core Delta Two for Subpattern Classification	

**Code List Name: RIDGE QUALITY DATA FORMAT CODES**

This code defines the format used in Field 9.308. For all formats: The first cell starts at the top left corner of the Region of Interest, with cells in order left to right. All of the quality values for each row are stored in one repeating subfield. The subfields are ordered from top to bottom. If the width and/or height of the Region of Interest are not evenly divisible by the Grid Size, partial cells shall be included at the right and/or bottom of the ridge flow map.

Type	Code	Description
Uncompressed (concatenated decimal)	UNC	The values for each grid cell in the Ridge Quality Map field are single-character integers, with one character per cell. All quality values for one row are concatenated left to right, with one repeating subfield of Field 9.308: EFS ridge quality/confidence map / RQM for each row. The number of characters in one repeating subfield of Field 9.308 is the same as the number of cells in one row: the Region of Interest's width divided by the Grid Size, rounded up to the nearest integer.
Run-Length Encoded	RLE	The unencoded values for each entry are identical to those used in UNC format. numeric values for each grid cell (0-5) are then replaced with alphabetic (A-F), and then any sequential runs of the same character are prefixed by the count of repeated characters. Individual characters are not preceded by a count. For example: 00 (50 characters) Is saved as "50A" 0000000000000112233455555544444221000000000000000000000000000000 (50 characters) Is saved as "12A2B2C2DE6F5E2CB16A" (20 characters)

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.309_2	RDF	Ridge Quality Map Format	Ridge Quality Data Format

**Code List Name: RIDGE QUALITY MAP CODES**

This code may optionally be used by a human examiner or automated system to provide the relationship between the deltas in a whorl. This information item shall only be included for whorls if the subclass is known, and only if the whorl delta relationship can be determined precisely.

			Ridge flow	Minutiae	Dots	Incipients	Ridge edge features	Pores	
Black	0	Background	X						Black (0,0,0)
Red	1	Debatable ridge flow	?	X					Red (255,0,0)
Yellow	2	Definitive ridge flow, debatable minutiae	✓	?	X				Yellow (255,255,0)
Green	3	Definitive minutiae, debatable ridge edges	✓		?			X	Green (0,255,0)
Blue	4	Definitive ridge edges, debatable pores	✓					?	Blue (0,0,255)
Aqua	5	All features definitive	✓						Aqua (0,240,240)

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.308	RQM	EFS Ridge Quality Map	



**Code List Name: RULER OR SCALE UNITS CODES**

---

Code that indicates the units of measurement visible on the ruler or measurement scale.

Code	Description
IN	Inches
MM	Millimeters
BOTH	Both inches and Millimeters

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-13 Variable Resolution Latent Image Type	13.018_1	RSU	Ruler or Scale Presence	Known Scale Units
Type-13 Variable Resolution Latent Image Type	13.019_3	KSU	Resolution Method	Known Scale Units

**Code List Name: SCALE UNIT CODES**

---

Code to indicate the scale unit utilized.

Code	Description
1	Pixels Per Inch
2	Pixels Per Centimeter
0	No Scale

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.130	SLC	Scale Units	
Type-10 Facial, Other Body Part and SMT Image Record	10.008	SLC	Scale Units	
Type-13 Variable Resolution Latent Image Type	13.008	SLC	Scale Units	
Type-14 Variable Resolution Fingerprint Image	14.008	SLC	Scale Units	
Type-15 Variable-Resolution Palmprint Image Record	15.008	SLC	Scale Units	
Type-17 Iris Image Record	17.008	SLC	Scale Units	

**Code List Name:       SCAN TYPE CODES**

---

Code that describes the type of scan that created the image.

Code	Name	Description
0	Undefined	Value undefined.
1	Progressive	"Progressive" indicates that the image was captured using progressive scanning, in which case all image lines are generated sequentially.

NOTE: "2" for Interlace Frame, or "3" for Interlace fields are deprecated and shall not be used in records claiming conformance to this version of the standard.

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-17 Iris Image Record	17.016_3	IST	Image Property Code	Specific Scan Type

**Code List Name: SCREENING DOCUMENT REQUIREMENT INDICATOR CODES**

---

This code specifies if the Locally Employed Personnel (LEP) Screening Document is required for applicants for the type of badge requested.

Code	Description
Y	Required
N	Not Required
X	Unknown

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8505	LEP	LEP Screening Document Requirement Indicator	

**Code List Name: SEARCH RESULT CODES**

---

Code that indicates that additional electronic responses need to be forwarded to agencies other than the contributor by the State Identification Bureau.

Code	Descriptor
I	Identification has been made
N	No identification has been made
P	Pending
R	Red
Y	Yellow
G	Green

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.007	SCO	Send Copy to	

**Code List Name: SEARCH RESULT FINDING CODES**

Code used to define search result valid values, their meanings, and transactions which may contain those values.

Code	Description	Transactions
C	Inconclusive	BDEC, LSR
D	Deferred for manual processing	FDSP-SRE
G	Green - No Hit	RPISR
I	Identification	BDEC, LSR, SRE
M	Match of Images Submitted	FVR-SRE
N	Non-Identification	BDEC, LSR, SRE
P	Pending Verification of Identification	BDEC, LSR
R	Red - Hit on Potential Candidate, High Confidence Match	RPISR, UHN
Y	Yellow - Probable Candidate, Potential Match	RPISR, UHN, BDEC
X	Not a Match of Images Submitted	FVR-SRE
Z	Disposition posted but no biometric search was performed.	FDSP-SRE

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.059	SRF	Search Results Findings	

**Code List Name: SEARCH RETENTION CODES**

---

A value of “Y” means retention is acceptable, a value of “N” means the secondary repository should not retain the submission. Secondary repositories are not necessarily bound by this field and policy may override the value present.

Code	Description
Y	Submission Retained
N	Submission Not Retained

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8207_3	RET	Request Secondary Search	Secondary Search Retention

**Code List Name: SMT DESCRIPTOR CODES**

Scars, Mark and Tattoos (SMT) code of SMT images.

Code	Descriptor
SCAR	Indicates healed scar tissue that was the result an of accident or medical procedure
PIERCING	A deliberately made hole through body tissue, usually to wear body ornamentation
MARK	Used for the pattern resulting from needle or track marks
TATTOO	For deliberately applied or drawn images (common tattoo) or indelible image resulting from the pricking of the skin with a coloring matter
CHEMICAL	The image was created by the use of chemicals to burn the image into the skin
BRANDED	The image was burned into the skin using a branding iron or other form of heat
CUT	The image was caused by incision of the skin. *The value for this information item is selected from the "Image sub-code" column of ANSI/ITL 1-2011 Table 58.

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.2028_7	SMT	Biometric Image Description	SMT Code
Type-2 User-Defined Descriptive Text Record	2.2032_9	SMT	NCIC SMT Code	
Type-2 User-Defined Descriptive Text Record	2.2033_13	SMT	Candidate Investigative List	SMT Code
Type-10 Facial, Other Body Part and SMT Image Record	10.042_1	SMI	SMT Descriptors	SMT Code Indicator



**Code List Name: SOURCE ORGANIZATION TYPE CODES**

---

A code describing the site or agency that created the voice recording.

Code	Description
U	Unknown
P	Private individual
I	Industry/Commercial
G	Government
O	Other

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Record Type-11: Forensic and Investigatory Voice Record	11.005_1	STC	VOICE RECORDING SOURCE ORGANIZATION	SOURCE ORGANIZATION TYPE CODE

**Code List Name: SOURCE RELIABILITY CODES**

A code describing the reliability of the source of the information provided.

Code	Meaning	Description
A	Reliable	<b><u>No doubt</u></b> of authenticity, trustworthiness, or competency; has a history of complete reliability
B	Usually Reliable	<b><u>Minor doubt</u></b> about authenticity, trustworthiness, or competency; has a history of valid information most of the time
C	Fairly Reliable	<b><u>Doubt</u></b> of authenticity, trustworthiness, or competency but has provided valid information in the past
D	Not Usually Reliable	<b><u>Significant doubt</u></b> about authenticity, trustworthiness, or competency but has provided valid information in the past
E	Unreliable	<b><u>Lacking</u></b> in authenticity, trustworthiness, or competency; has a history of invalid information
F	Cannot Be Judged	<b><u>No basis</u></b> exists for evaluating the reliability of the source

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.8399_10	CAV_SRC	Caveat	Caveat Source Reliability

**Code List Name:       SPEAKER MATCH LEVEL CODES**

This code indicates the voice engine's level of confidence regarding the submission of the voice file in the Speaker Identification (SID) TOT comparison to the stored voice model.

Code	Speaker Match Levels
4	Match
3	Probable Match
2	Inconclusive
1	Probable No Match
0	No Match

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.8605_6	ENG_RESP_6	Speaker Identification Engine Response	Match Level

**Code List Name:       SPEAKER PLURALITY CODES**

---

Code that indicates the plurality of speakers represented on voice recording.

Code	Description
S	Single Speaker
M	Multiple Speakers

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Record Type-11: Forensic and Investigatory Voice Record	11.006_2	SPC	VOICE RECORDING CONTENT DESCRIPTOR	SPEAKER PLURALITY CODE

**Code List Name: SPEECH STYLE CODES**

---

A description of style of speech.

Code	Description
0	Unknown
1	Public speech (oratory)
2	Conversation - telephone
3	Conversation - face to face
4	Read
5	Prompted/Repeated
6	Storytelling/Picture description
7	Map task and related methods
8	Interview
9	Recited/memorized
10	Other

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Record Type-11: Forensic and Investigatory Voice Record	11.037_7	STY	VOCAL SEGMENT SPEAKER CHARACTERISTICS	SPEECH STYLE CODE

**Code List Name:**        **STITCHED IMAGE FLAG CODES**

---

Code that signifies that images captured separately were stitched together to form a single image.

Code	Description
Y	Yes

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-14 Variable Resolution Fingerprint Image	14.027	SIF	Stitched Image Flag	n/a

**Code List Name: SUBJECT ACQUISITION PROFILES – FACE CODES**

Describes a set of characteristics concerning the capture of the biometric sample.

SAP Level	Subject Acquisition Profile
0	Unknown acquisition profile
1	Surveillance facial image
10	Driver's license image (AAMVA)
11	ANSI Full Frontal facial image (ANSI 385)
12	ANSI Token facial image (ANSI 385)
13	ISO Full Frontal facial image (ISO/IEC 19794-5)
14	ISO Token facial image (ISO/IEC 19794-5)
15	PIV facial image (NIST SP 800-76)
20	Legacy Mugshot
30	Best Practice Application – Level 30
32	Mobile ID Best Practice - Level 32
40	Best Practice Application – Level 40
42	Mobile ID Best Practice - Level 42
50	Best Practice Application – Level 50
51	Best Practice Application – Level 51
52	Mobile ID Best Practice - Level 52

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.013	SAP	Subject Acquisition Profile	

**Code List Name:        SUBJECT BODY CLASS CODES**

---

Code to indicate the Existential Status of the subject's body.

Code	Description
1	Natural Tissue
2	Decomposed
3	Skeletal

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.046_3	SBCC	Image Subject Condition	Subject Body Class Code
Type-13 Variable Resolution Latent Image Type	13.046_2	SBSC	Image Subject Condition	Subject Body Status Code
Type-14 Variable Resolution Fingerprint Image	14.046_3	SBCC	Image Subject Condition	Subject Class Code
Type-15 Variable- Resolution Palmprint Image Record	15.046_3	SBCC	Image Subject Condition	Subject Class Code
Type-21 Associated Context Record	21.046_3	SBCC	Image Subject Condition	Subject Body Class Code



**Code List Name:        SUBJECT BODY STATUS CODES**

Code to indicate the Existential Status of the subject.

Code	Description
X	Status of individual unknown
A	Data obtained from a living person – such as a victim or persons unable to identify themselves.
D	Data obtained from a non-living person (deceased)

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.046_2	SBSC	Image Subject Condition	Subject Status Code
Type-13 Variable Resolution Latent Image Type	13.046_2	SBSC	Image Subject Condition	Subject Body Status Code
Type-14 Variable Resolution Fingerprint Image	14.046_2	SBSC	Image Subject Condition	Subject Status Code
Type-15 Variable-Resolution Palmprint Image Record	15.046_2	SBSC	Image Subject Condition	Subject Status Code
Type-21 Associated Context Record	21.046_2	SBSC	Image Subject Condition	Subject Body Status Code

**Code List Name:        SUBJECT FACIAL DESCRIPTION CODES**

Code to describe a subject's facial expression.

Code	Description
UNKNOWN	Expression unspecified
NEUTRAL	Neutral (non-smiling) with both eyes open and mouth closed
SMILE	Smiling (inside of the mouth and/or teeth is not exposed - closed jaw).
MOUTH OPEN	Looking away from the camera
TEETH VISIBLE	Having teeth visible
RAISED BROWS	Raising eyebrows
FROWNING	Frowning
EYES AWAY	Looking away from the camera
SQUINTING	Squinting
LEFT EYE PATCH	Subject wearing left eye patch
RIGHT EYE PATCH	Subject wearing right eye patch
CLEAR GLASSES	Subject wearing clear glasses
DARK GLASSES	Subject wearing dark or visible colored glasses (medical)
HAT	Head covering/hat
SCARF	Wearing scarf
MOUSTACHE	Having mustache
BEARD	Having beard
NO EAR	Ear(s) obscured by hair
BLINK	Blinking (either or both eyes closed)
DISTORTING CONDITION	Having distorting medical condition impacting feature point detection
From Annex D: NCIC code table	Physical characteristics
Alphabetic Text, up to 20 characters	Other characteristics

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.026	SXS	Subject Facial Description	

**Code List Name:        SUBJECT POSE CODES**

---

Code to indicate the lighting components.

Code	Description
F	Face shadows
H	Hot spots
R	Reflections from eye glasses

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.020	POS	Subject Pose	

**Code List Name: SUBJECT STATUS CODES**

Code to indicate the Existential Status of the subject.

Code	Description
X	Status of individual unknown
A	Data obtained from a living person – such as a victim or persons unable to identify themselves.
D	Data obtained from a non-living person (deceased)

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type – 2 User Defined Descriptive Text Record	2.8014_2	VSCD	Biometric Subject Vital Status	Vital Status Code
Type-10 Facial, Other Body Part and SMT Image Record	10.046_1	SSC	Image Subject Condition	Subject Status Code
Type-13 Variable Resolution Latent Image Type	13.046_1	SSC	Image Subject Condition	Subject Status Code
Type-14 Variable Resolution Fingerprint Image	14.046_1	SSC	Image Subject Condition	Subject Status Code
Type-15 Variable-Resolution Palmprint Image Record	15.046_1	SSC	Image Subject Condition	Subject Status Code
Type-21 Associated Context Record	21.046_1	SSC	Image Subject Condition	Subject Status Code

**Code List Name: TATTOO CLASSES CODES**

Code for the general class or subclass of the tattoo chosen.

Class Code	Subclass Description	Subclass Code
HUMAN	Male Face	MFACE
	Female Face	FFACE
	Abstract Face	ABFACE
	Male Body	MBODY
	Female Body	FBODY
	Abstract Body	ABBODY
	Roles (Knight, Witch, man, etc.)	ROLES
	Sports Figures (Football Player, Skier, etc.)	SPORT
	Male Body Parts	MBPART
	Female Body Parts	FBPART
	Abstract Body Parts	ABBPART
	Miscellaneous Human Forms	MHUMAN
	Skulls	SKULL
ANIMAL	Cats & Cat Heads	CAT
	Dogs & Dog Heads	DOG
	Other Domestic Animals	DOMESTIC
	Vicious Animals (Lions, etc.)	VICIOUS
	Horses (Donkeys, Mules, etc.)	HORSE
	Other Wild Animals	WILD
	Snakes	SNAKE
	Dragons	DRAGON
	Birds (Cardinal, Hawk, etc.)	BIRD
	Spiders, Bugs, and Insects	INSECT
	Abstract Animals	ABSTRACT
	Animal Parts	PARTS
	Miscellaneous Animal Forms	MANIMAL

**Code List Name: TATTOO CLASSES CODES (Continued)**

Class Code	Subclass Description	Subclass Code
PLANT	Narcotics	NARCOTICS
	Red Flowers	REDFL
	Blue Flowers	BLUEFL
	Yellow Flowers	YELFL
	Drawings of Flowers	DRAW
	Rose	ROSE
	Tulip	TULIP
	Lily	LILY
	Misc. Plants, Flowers, Vegetables.	MPLANT
FLAG	American Flag	USA
	State Flag	STATE
	Nazi Flag	NAZI
	Confederate Flag	CONFED
	British Flag	BRIT
	Miscellaneous Flags	MFLAG
OBJECT	Fire	FIRE
	Weapons (Guns, Arrows, etc.)	WEAP
	Airplanes and other Air vehicles (incl. Blimps)	PLANE
	Boats, Ships, & Other Water Vessels	VESSEL
	Trains	TRAIN
	Cars, Trucks, and other Land Vehicles (except Trains)	VEHICLE
	Mythical (Unicorns, etc.)	MYTH
	Sporting Objects (Football, Ski, Hurdles, etc.)	SPORT
	Water & Nature Scenes (Rivers, Sky, Trees, etc.)	NATURE
	Miscellaneous Objects	MOBJECTS
ABSTRACT	Figure	FIGURE
	Sleeve	SLEEVE
	Bracelet	BRACE
	Anklet	ANKLET
	Necklace	NECKLC
	Skirt	SHIRT
	Body Band	BODBND
	Head Band	HEDBND
	Miscellaneous Abstract	MABSTRACT

**Code List Name: TATTOO CLASSES CODES (Continued)**

Class Code	Subclass Description	Subclass Code
SYMBOL	National Symbols	NATION
	Political Symbols	POLITIC
	Military Symbols	MILITARY
	Fraternal Symbols	FRATERNAL
	Professional Symbols	PROFESS
	Gang Symbols	GANG
	Miscellaneous Symbols	MSYMBOLS
OTHER	Wording (Mom, Dad, Mary, etc.)	WORDING
	Freeform Drawings	FREEFRM
	Miscellaneous Images	MISC

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.042_2	TAC	SMT Descriptors	Tattoo Class
Type-10 Facial, Other Body Part and SMT Image Record	10.042_3	TSC	SMT Descriptors	Tattoo Subclass

**Code List Name: TATTOO COLOR CODES**

Codes used to list the color(s) of the tattoo or part of the tattoo.

Code	Description
BLACK	Black
BROWN	Brown
GRAY	Gray
BLUE	Blue
GREEN	Green
ORANGE	Orange
PURPLE	Purple
RED	Red
YELLOW	Yellow
WHITE	White
MULTI	Multi-colored
OUTLINE	Outlined

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.043	COL	Tattoo Color	
Type-10 Facial, Other Body Part and SMT Image Record	10.043_1	TC1	Tattoo Color	Tattoo Color Code 1
Type-10 Facial, Other Body Part and SMT Image Record	10.043_2	TC2	Tattoo Color	Tattoo Color Code 2
Type-10 Facial, Other Body Part and SMT Image Record	10.043_3	TC3	Tattoo Color	Tattoo Color Code 3
Type-10 Facial, Other Body Part and SMT Image Record	10.043_4	TC4	Tattoo Color	Tattoo Color Code 4
Type-10 Facial, Other Body Part and SMT Image Record	10.043_5	TC5	Tattoo Color	Tattoo Color Code 5
Type-10 Facial, Other Body Part and SMT Image Record	10.043_6	TC6	Tattoo Color	Tattoo Color Code 6



**Code List Name: TELEPHONE CATEGORY CODES**

---

This code describes the method of contact for the individual.

Code	Description
HP	Home Phone
WP	Work Phone
CP	Cell Phone
RP	Relative Phone
OT	Other
FX	Fax
PG	Pager
PH	Phone

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8032_1	PH_TYP	Biometric Subject Contact Telephone	Telephone Category Code

**Code List Name: TIERED MARKUP COLLECTION CODES**

Code to It specifies feature points in Field 10.029: 2D facial feature points / FFP and if the value of TMC is 5, these contours shall be contained in Field 10.033: Feature contours / FEC.

Value	Facial Feature Points / Contours	Description
1	Eye centers	2D Feature Points: Centers of eyes: 12.1 and 12.2
2	Eyes, mouth	2D Feature Points: Centers of eyes: 12.1 and 12.2 Center of mouth: sto
3	Eyes, nose, mouth	2D Feature Points for: Corners of eyes: 3.7, 3.11, 3.8, 3.12 Bridge and tip of nose: Se, 9.3 Corners of mouth: 8.3, 8.4
4	Eyes, nose, mouth, and head	2D Feature Points for: Corners of eyes: 3.7, 3.11, 3.8, 3.12 Pupils: 3.5, 3.6 Edges of nostrils: 9.4, 9.5 Corners of mouth: 8.3, 8.4 Tops and bottoms of ears: 10.1, 10.5, 10.2, 10.6 Chin: 2.1 Top of head and/or hair: 11.4, 11.5
5	Facial feature points and contours for eyes, brows, nose, mouth and face outline	Top of upper lip contour Bottom of lower lip contour Left and right eyebrow contours Left and right eye contours Chin contour 2D Feature Points for: Left and right eyes: 3.7, 3.11, 12.1, 3.8, 3.12, 12.2 Nose: 9.1, 9.2, 9.3, 9.15 Mouth corners: 8.3, 8.4 Ear tops and bottoms: 10.1, 10.5, 10.2, 10.6
6-99	Reserved	Reserved for future use
100-999	User-defined	User-defined

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.031	TMC	Tiered Markup Collection	

**Code List Name: TRANSACTION CHARACTER SET INDEX CODES**

A code for the character set index number and name that references an associated character set throughout the transaction file.

Character Encoding Index	Character Encoding Name	Description
0	ASCII	7-bit (Default) with zero added in high bit position
1	8 Bit	Deprecated
2	UTF-16	16 bit (See ISO/IEC 10646-1 and The Unicode standard)
3	UTF-8	8-bit (See NWG 3629 and The Unicode standard)
4	UTF-32	32-bit (See The Unicode standard)
5-127	-----	Reserved for future use
128-999	-----	User-defined character encoding sets

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-1 Transaction Information Record	1.015_1	CSI	Character Encoding	Character Encoding Set Index
Type-1 Transaction Information Record	1.015_2	CSN	Character Encoding	Character Encoding Set Name

**Code List Name:        TRANSDUCER PRINCIPLE CODES**

---

A description of describe the transducer principle of a microphone.

Code	Description
0	Unknown
1	Carbon
2	Electret
3	Dynamic
4	Other

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Record Type-11: Forensic and Investigatory Voice Record	11.038_3	MTC	VOCAL SEGMENT CHANNEL	MICROPHONE TYPE CODE

**Code List Name: TRANSLITERATION CODES**

---

This code describes the encoding to translate from one alphabet to another.

Code	Description
Arabic	Arabic
Hindu	Hindu
Urdu	Urdu
NONE	No Transliteration Applied

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8026_8	TRANSLIT_CD	Biometric Subject Alternate Name	Transliteration Code
Type-2 User-Defined Descriptive Text	2.8040_7	TRANSLIT_CD	Biometric Subject Name	Transliteration Code

**Code List Name:       TRANSPORTATION IDENTIFIER TYPE CODES**

---

This code specifies the type of identification assigned to a conveyance.

Code	Description
SCONUM	Ship Control Number
NIDDOC	National Identification Document
VESSELNUM	Vessel Registration Number
VIN	Vehicle Identification Number
LICENSE	License Plate Number
AIRNUM	Aircraft Registration Number
BATGEN	BAT Generated Vehicle ID

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8116_2	TRANSPORT_IDCATCD	Transportation	Transport Identifier Category Code

**Code List Name:       TRANSPORTATION TYPE CODES**

---

This code specifies the category of transportation on which the biometric subject was encountered.

Code	Description
AUTO	Automobile
AIR	Aircraft
VESSEL	Vessel
OTH	Other
TRUCK	Pickup Truck, Dump Truck, Garbage Truck, Semi, Mack Truck, 18 Wheeler, etc.
BUS	Public Bus, School Bus, Mini Bus, Tour Bus, etc.
BIKE	Bicycles
MTRB	Motorcycle
ANML	Animals: donkeys, horses, camels, etc.
TRAIN	Train

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8116_1	TRANSPORT_TYP	Transportation	Transport Type

**Code List Name: TYPE 10 IMAGE TYPE CODES**

Code and associated sub-codes to indicate the content of the Type 10 Image.

Image Code	Image Sub-codes	NCIC
SCAR	SCAR	NCIC code header SC
	PIERCING	NCIC code header PRCD
TATTOO	FV1	
	FV2	
	FV3	
	FV4	
FACE	Not Applicable	
FRONTAL-C		FRONTAL-C refers to frontal and clothed.
REAR-C		REAR-C is rear view and clothed; REAR-N is rear view and nude.
HEAD		New codes added are HEAD, INTRAORAL, EXTRAORAL and LIP.
FRONTAL-N		FRONTAL-N refers to frontal and nude.
REAR-N		
TORSO-BACK		
TORSO-FRONT		
CONDITION		NCIC code headers BLIND, CATA, CAUL, CLEFT, CRIP, CROSSEYED, DIMP, DISC, EXTR, FRECKLES, FRC, HUMPBACKED, MC, MOLE, POCKMARKS, PROT, SHRT   Additional code headers of: BALD, BLND, CATARACT, CL, DEV, HERMAPHR, HFR, RTAT. CONDITION does not indicate patterned injuries, per se.
MISSING		NCIC code header category MISS (Showing the location on the body where the part would normally be).



**Code List Name: TYPE 10 IMAGE TYPE CODES (Cont.)**

OTHER		NCIC code header ART, BRAC, COLOST, DENT, GOLD, HAIR, HEAR, IMPL, INTRA, SHUNT, SKL, SLVR, STAPLES, SUTUR, TUBE, VASC PROT, TRANSSXL, TUBE, VASC, WIRE, ORTH Additional code headers of BRA, BRACE, CANE, CARD, CON, EAR, GLASSES, PACE, TRANSVST, WHEELCHAIR
CHEST		
FEET		
EXTRAORAL		New
INTRAORAL		New
HANDS-PALM		
HANDS-BACK		
GENITALS		
BUTTOCKS		
RIGHT LEG		
LEFT LEG		
RIGHT ARM		
LEFT ARM		
LIP		New
MARK	MARK	MARK is needle marks, NCIC code header NM

The following NCIC code headers are not applicable to Type-10 images: DA, DEAF, IUD, GLAUCOMA, MUTE, STUTTERS and TD.

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-10 Facial, Other Body Part and SMT Image Record	10.003	IMT	Image Type	

**Code List Name: TYPE OF SEARCH CODES**

Code used to define search result valid values, their meanings, and transactions which may contain those values.

Code	Description
C	Confidential Screening
H	Suppress/Modify Unsolicited Want/SOR Notification (Non-Urgent Criminal)
P	Pre-commission candidate record with fingerprints
V	Civil submission in support of the National Child Protection Act of 1993

\* When submitting fingerprints using TSR of V, the contributing agency should specify either the VCA/NCPA or a state statute in the RFP Field. To be charged at the volunteer rate, the word "volunteer" must appear with or without the statute.

\*\* For Internal FBI use only.

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.043	TSR	Type of Search Requested	

**Code List Name:           UNIT OF MEASURE CODES**

---

This code indicates the units of measure associated with a given measurement.

Code	Description
FTIN	Feet Inches
IN	Inches
Meter	Meter
CM	Centimeter
LB	Pound
KG	Kilogram

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.8035_2	LENUNIT	Biometric Subject Height Measurement	Length Unit
Type-2 User-Defined Descriptive Text	2.8036_2	MASSUNIT	Biometric Subject Weight Measurement	Mass Unit

**Code List Name:        VALIDITY CODES**

This code indicates the validity of the address information.

Code	Description
DOC	Documented
EST	Estimated
MEA	Measured
ORT	Other Reported
SRT	Self-Reported

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.859_9	SUBJ_PREV_RESIDE_9	Biometric Subject Previous Residence	Address Validity
Type-2 User-Defined Descriptive Text	2.8003_2	DATEVLD	Biometric Subject Birth Date	Date Validity
Type-2 User-Defined Descriptive Text	2.8005_2	DATEVLD	Biometric Subject Death Date	Date Validity
Type-2 User-Defined Descriptive Text	2.8013_2	BLTVLD	Biometric Subject Blood Type	Blood Type Validity
Type-2 User-Defined Descriptive Text	2.8014_1	VSVLD	Biometric Subject Vital Status	Vital Status Validity
Type-2 User-Defined Descriptive Text	2.8021_2	CLRVLD	Biometric Subject Clearance	Clearance Validity
Type-2 User-Defined Descriptive Text	2.8022_2	CMPVLD	Biometric Subject Compartments	Compartments Validity
Type-2 User-Defined Descriptive Text	2.8026_7	NAM_VLD	Biometric Subject Alternate Name	Name Validity
Type-2 User-Defined Descriptive Text	2.8031_9	ADDR_VLD	Biometric Subject Current Address	Address Validity
Type-2 User-Defined Descriptive Text	2.8035_3	MEASVLD	Biometric Subject Height Measurement	Measurement Validity
Type-2 User-Defined Descriptive Text	2.8036_3	MEASVLD	Biometric Subject Weight Measurement	Measurement Validity
Type-2 User-Defined Descriptive Text	2.8040_6	NAME_VLD	Biometric Subject Name	Name Validity

**Code List Name:**       **VALIDITY CODES (Cont.)**

---

**Referenced by:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User- Defined Descriptive Text	2.8548_3	SUBJ_SPEC_VALID	Biometric Subject Specialty	Biometric Subject Specialty Validity

**Code List Name: VALUE CODES**

---

This code indicates interest in a given biometric subject who has been flagged for alert.

Code	Description
1	None
2	Low Value
3	Medium Value
4	High Value

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text	2.350_3	ALERT_VAL	Alert	Alert Value

**Code List Name: VOCAL STYLE CODES**

---

A description of Vocal Style of a subject.

Code	Description
0	Unknown
1	Spoken
2	Whispered
3	Sung
4	Chanted
5	Rapped
6	Mantra
7	Falsetto/Head voice
8	Spoken with Laughter
9	Megaphone/Public Address System
10	Shouting/Yelling
11	Other

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Record Type-11: Forensic and Investigatory Voice Record	11.037_13	VSC	VOCAL SEGMENT SPEAKER CHARACTERISTICS	VOCAL STYLE CODE

**Code List Name: VOICE RECORDING CONTENT INDICATOR CODES**

---

An assigned indicator code reflecting voice content from a known subject.

Code	Description
A	The subject of this record is 'assigned' an identity (whether or not there is biographical information associated with the individual).
N	This record does not have an assigned identity as the subject of the record (such as when it is not known whether the same person is speaking in different segments or when the TOT indicates that the action to be performed upon this record is to count the number of speakers).
Q	This record contains a voice sample of a 'questioned' identity (such as a sample to be compared against a database for identification).

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Record Type-11: Forensic and Investigatory Voice Record	11.006	AVI	VOICE RECORDING CONTENT DESCRIPTOR	ASSIGNED VOICE INDICATOR



**Code List Name: WHORL-DELTA RELATIONSHIP CODES**

---

This code may optionally be used by a human examiner or automated system to provide the relationship between the deltas in a whorl. This information item shall only be included for whorls if the subclass is known, and only if the whorl delta relationship can be determined precisely.

Code	Description
I	Inner
O	Outer
M	Meeting

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-9 Minutiae Data Record	9.307_3	WDR	EFS Pattern Classification	Whorl-Delta Relationship

**Code List Name: YES NO CODES**

---

Code to indicate yes or no.

Code	Descriptor
Y	Yes
N	No

**Referenced By:**

Field Type	Field No.	Mnemonic	Category	Subcategory
Type-2 User-Defined Descriptive Text Record	2.005	RET	Retention Code	
Type-2 User-Defined Descriptive Text Record	2.070	RAP	Request for Electronic Rap Sheet	
Type-2 User-Defined Descriptive Text Record	2.082	REC	Response Code	
Type-2 User-Defined Descriptive Text Record	2.083	ULF	Unsolved Latent File	
Type-2 User-Defined Descriptive Text Record	2.095	RFR	Repository Statistics Response	
Type-2 User-Defined Descriptive Text Record	2.316	RMS	Request Mug Shot	
Type-2 User-Defined Descriptive Text Record	2.317	RIS	Request IAFIS Search	
Type-2 User-Defined Descriptive Text Record	2.2034	ULR	Unsolved Latent Retained	
Type-2 User-Defined Descriptive Text Record	2.8024	US_IND	Biometric Subject US Person Indicator	
Type-2 User-Defined Descriptive Text Record	2.8107	PRI_ACT	Biometric Subject Privacy Act Indicator	
Type-2 User-Defined Descriptive Text Record	2.8115_4	USIND	Operational Personnel	US Person Indicator