

## Glossary

The long name listing is to be changed throughout this document to reflect the full NIEM conformant XML XPath as shown in field 1.005.

**Type-1** Transaction information record

### Field 1.002: Version number

Short name: **VER**

Long names: **TransactionMajorVersionValue** (2 ASCII numeric characters) and **TransactionMinorVersionNumber** (2 ASCII numeric characters)

### Field 1.003: File content

Short name: **CNT**

Long name: **TransactionContentSummary**

#### Subfields

Short name: **FRC** Long name: **ContentFirstRecordCategoryCode**

#### Information items for first subfield

Short name: **REC** Long name: **RecordCategoryCode**

Short name: **CRC** Long name: **ContentRecordCount**

Short name: **ORC** Long name: **ImageReferenceIdentification**

#### Information items for second subfield

Short name: **REC** Long name: **RecordCategoryCode**

Short name: **IDC** Long name: **ImageReferenceIdentification**

### Field 1.004: Type of transaction

Short name: **TOT**

Long name: **TransactionCategoryCode**

### Field 1.005: Date

Short name: **DAT**

XPath: **biom:Transaction/ biom:TransactionDate/ nc:Date**

**Field 1.006: Priority**

Short name: **PRY**

Long name: **TransactionPriorityValue**

**Field 1.007: Destination agency identifier**

Short name: **DAI**

XPath: **biom:Transaction/ biom:TransactionOriginatingOrganization/  
nc:IdentificationID**

**Field 1.008: Origination agency identifier**

Short name: **ORI**

XPath: **biom:Transaction/ biom:TransactionOriginatingOrganization/  
nc:IdentificationID**

**Field 1.009: Transaction control number**

Short name: **TCN**

XPath: **biom:Transaction/ biom:TransactionControlIdentification/  
nc:IdentificationID**

**Field 1.010: Transaction control reference**

Short name: **TCR**

Long name: **TransactionControlReferenceIdentification**

**Transaction Image Resolution Details**

**Field 1.011: Native scanning resolution**

Short name: **NSR**

Long name: **NativeScanningResolutionValue**

**Field 1.012: Nominal transmitting resolution**

Short name: **NTR**

Long name: **NominalTransmittingValue**

**Field 1.013: Domain name**

Short name: **DOM**

Long name: **TransactionDomain**

**Information Items**

Short name: **DNM** Long name: **OrganizationName**

Short name: **DVN** Long name: **DomainVersionNumberIdentification**

**Field 1.014: Greenwich mean time**

Short name: **GMT**

XPath: **biom:Transaction/ biom:TransactionUTCDate/ nc:DateTime**

**Field 1.015: Directory of character sets**

Short name: **DCS**

Long name: **TranscationCharacterSetDirectory**

**Subfield**

Short name: **CSD** Long name: **TBD**

**Information Items**

Short name: **CSI** Long name: **CharacterSetIndexCode**

Short name: **CSN** Long name: **TBD**

Short name: **CSV** Long name: **TBD**

**Type-2 user-defined descriptive text record**

**Field 2.002: Image designation character**

Short name: **IDC**

Long name: **ImageReferenceldentification**

**Field 2.003 and above: User-defined fields**

Short name: **Defined by the domain being used**

Long name: **UserDefinedDescriptiveText**

**Type-4 fingerprint image records**

**Field 4.002: Image designation character**

Short name: **IDC**

Long name: **ImageReferenceIdentification**

**Field 4.003: Impression type**

Short name: **IMP**

Long name: **FingerprintImageImpressionCaptureCategoryCode**

**Field 4.004: Fingerprint generalized position**

Short name: **FGP**

Long name: **FingerprintImagePosition**

**Field 4.005: Image scanning resolution**

Short name: **ISR**

Long name: **CaptureResolutionCode**

**Field 4.006: Horizontal line length**

Short name: **HLL**

Long name: **ImageHorizontalLineLengthPixelQuantity**

**Field 4.007: Vertical line length**

Short name: **VLL**

Long name: **ImageVerticalLineLengthPixelQuantity**

**Field 4.008: Compression algorithm**

Short name: **CGA/BCA**

Long name: **ImageCompressionAlgorithmCode**

**Field 4.009: Image data**

Short name: **DATA**

Long name: **BinaryBase64Object**

**Type-7 user-defined image record**

**Field 7.002: Image designation character**

Short name: **IDC**

Long name: **ImageReferenceIdentification**

**Type-8 signature image record**

**Field 8.002: Image designation character**

Short name: **IDC**

Long name: **ImageReferenceIdentification**

**Field 8.003: Signature type**

Short name: **SIG**

Long name: **SignatureCategoryCode**

**Field 8.004: Signature representation type**

Short name: **SRT**

Long name: **SignatureRepresentationCode**

**Field 8.005: Image scanning resolution**

Short name: **ISR**

Long name: **CaptureResolutionCode**

**Field 8.006: Horizontal line length**

Short name: **HLL**

Long name: **ImageHorizontalLineLengthPixelQuantity**

**Field 8.007: Vertical line length**

Short name: **VLL**

Long name: **ImageVerticalLineLengthPixelQuantity**

**Field 8.008: Signature image data**

Short name: **DATA**

Long name: **BinaryBase64Object**

**Uncompressed scanned image data**

**Compressed scanned image data**

**Vectored image data**

**Subfields**

Short name: **HCV** Long name: **TBD**

Short name: **VCV** Long name: **TBD**

Short name: **PPV** Long name: **PositionPolygonVertex**

**Type-9 minutiae data record**

**Field 9.002: Image designation character**

Short name: **IDC**

Long name: **ImageReferencelendtification**

**Field 9.003: Impression type**

Short name: **IMP**

Long name: **MinutiaeFormatNISTStandardIndicator**

**Fields 9.013-9.030: IAFIS features**

Short name: **TBD**

Long name: **TBD**

**Fields 9.031-9.125: Registered vendor minutiae fields**

Short name: **TBD**

Long name: **TBD**

**Fields 9.126-9.150: M1-378 / 19794-2 minutia data**

Short name: **ISO**

Long name: **TBD**

**Field 9.126: 19794-2 CBEFF information**

Short name: **CBI**

Long name: **RecordMinutiae**

**Information items**

Short name: **CFO** Long name: **CBEFFFormatOwnerIdentification**

Short name: **CFT** Long name: **CBEFFFormatCategoryIdentification**

Short name: **PID** Long name: **CBEFFProductIdentification**

**Field 9.127: 19794-2 Capture equipment identification**

Short name: **CEI**

Long name: **FingerprintImageCapture**

**Information items**

Short name: **AFS** Long name: **CaptureDeviceCertificationText**

Short name: **CEI** Long name: **CaptureDeviceIdentification**

**Field 9.128: 19794-2 Horizontal line length**

Short name: **HLL**

Long name: **ImageHorizontalLineLengthPixelQuantity**

**Field 9.129: 19794-2 Vertical line length**

Short name: **VLL**

Long name: **VerticalLineLengthPixelQuantity**

**Field 9.130: 19794-2 Scale units**

Short name: **SLC**

Long name: **ImageScaleUnitsCode**

**Field 9.131: 19794-2 Horizontal pixel scale**

Short name: **HPS**

Long name: **ImageHorizontalPixelDensityValue**

**Field 9.132: 19794-2 Vertical pixel scale**

Short name: **VPS**

Long name: **ImageVerticalPixelDensityValue**

**Field 9.133: 19794-2 Finger view**

Short name: **FWV**

Long name: **FingerViewCode**

**Field 9.134: 19794-2 Finger position**

Short name: **FPZ**

Long name: **FingerPositionCode**

**Field 9.135: 19794-2 Finger quality data**

Short name: **FQD**

Long name: **MinutiaeQuality**

**Information items**

Short name: **PMP** Long name: **QualityValue**

Short name: **QVI** Long name: **QualityMeasureVendorIdentification**

Short name: **NPC** Long name: **QualityAlgorithmProductIdentification**

**Field 9.136: 19794-2 Number of minutiae**

Short name: **NOM**

Long name: **MinutiaeQuantity**

**Field 9.137: 19794-2 Finger minutiae data**

Short name: **FMD**

Long name: **MinutiaeDetail**



**Information items**

Short name: **MAN** Long name: **MinutiaIdentification**

Short name: **MXC** Long name: **PositionHorizontalCoordinateValue**

Short name: **MYC** Long name: **PositionVerticalCoordinateValue**

Short name: **MAV** Long name: **PositionThetaAngleMeasure**

Short name: **MTY** Long name: **MinutiaCategoryCode**

Short name: **QOM** Long name: **MinutiaQualityValue**

**Field 9.138: 19794-2 Ridge count information**

Short name: **RCI**

Long name: **RidgeCountDetail**

**Subfields**

Short name: **REM** Long name: **RidgeCountExtractionMethodCode**

**Information Items for first subfield**

Short name: **FI1** Long name: **TBD**

Short name: **FI2** Long name: **TBD**

Short name: **RCD** Long name: **TBD**

**Information items for second subfield**

Short name: **CMI** Long name: **MinutiaIdentification**

Short name: **NMN** Long name: **RidgeCountReferenceIdentification**

Short name: **NRC** Long name: **RidgeCountValue**

**Field 9.139: 19794-2 Core information**

Short name: **CIN**

Long name: **MinutiaeFingerCorePosition**

**Subfield**

Short name: **COD** Long name: **TBD**

**Information Items for first subfield**Short name: **XCO** Long name: **PositionHorizontalCoordinateValue**Short name: **YCO** Long name: **PositionVerticalCoordinateValue**Short name: **AOC** Long name: **PositionThetaAngleMeasure****Field 9.140: 19794-2 Delta information**Short name: **DIN**Long name: **MinutiaeFingerDeltaPosition****Subfield**Short name: **DED** Long name: **TBD****Information items**Short name: **XCD** Long name: **PositionHorizontalCoordinateValue**Short name: **YCD** Long name: **PositionVerticalCoordinateValue**Short name: **AOD** Long name: **PositionThetaAngleMeasure****Field 9.324: Distinctive features**Short name: **DIS**Long name: **TBD****EFS Field 9.300: Region of interest**Short name: **ROI**Long name: **TBD****Information items**Short name: **EWI** Long name: **TBD**Short name: **EHE** Long name: **TBD**Short name: **EHO** Long name: **TBD**Short name: **EVO** Long name: **TBD**Short name: **EPY** Long name: **TBD**

**EFS field 9.301: Orientation**

Short name: **ORT**

Long name: **TBD**

**Information items**

Short name: **EOD** Long name: **TBD**

Short name: **EUC** Long name: **TBD**

**EFS field 9.302: Finger/palm/plantar position**

Short name: **FPP**

Long name: **TBD**

**Information items**

Short name: **EPN** Long name: **TBD**

Short name: **FSM** Long name: **TBD**

Short name: **OCF** Long name: **TBD**

Short name: **PYG** Long name: **TBD**

**EFS field 9.307: Pattern classification**

Short name: **PAT**

Long name: **TBD**

**Information items**

Short name: **GCF** Long name: **TBD**

Short name: **SUB** Long name: **TBD**

Short name: **WDR** Long name: **TBD**

**Field 9.308: Ridge quality/confidence map**

Short name: **RQM**

Long name: **TBD**

**EFS field 9.309: Ridge quality map format**

Short name: **RQF**

Long name: **TBD**

**Information items**

Short name: **GSZ** Long name: **TBD**

Short name: **RDF** Long name: **TBD**

**EFS field 9.310: Ridge flow map**

Short name: **RFM**

Long name: **TBD**

**EFS field 9.311: Ridge flow map format**

Short name: **RFF**

Long name: **TBD**

**Information items**

Short name: **SFQ** Long name: **TBD**

Short name: **RDF** Long name: **TBD**

**EFS field 9.312: Ridge wavelength map**

Short name: **RWM**

Long name: **TBD**

**EFS field 9.313: Ridge wavelength map format**

Short name: **RWF**

Long name: **TBD**

**Information items**

Short name: **FWS** Long name: **TBD**

Short name: **FDF** Long name: **TBD**

**EFS field 9.314: Tonal reversal**

Short name: **TRV**

Long name: **TBD**

**EFS field 9.315: Possible lateral reversal**

Short name: **PLR**

Long name: **TBD**

**EFS field 9.316: Friction ridge quality metric**

Short name: **FQM**

Long name: **TBD**

**Information items**

Short name: **QMV** Long name: **TBD**

Short name: **QAV** Long name: **QualityAlgorithmVendorIdentification**

Short name: **QPC** Long name: **TBD**

**EFS field 9.317: Possible growth or shrinkage**

Short name: **PGS**

Long name: **TBD**

**Information items**

Short name: **TGS** Long name: **TBD**

Short name: **COM** Long name: **TBD**

**Field 9.320: Cores**

Short name: **COR**

Long name: **TBD**

**Information items**

Short name: **CXC** Long name: **TBD**

Short name: **CYC** Long name: **TBD**

Short name: **CDI** Long name: **TBD**

Short name: **RPU** Long name: **TBD**

Short name: **DUY** Long name: **TBD**

**EFS field 9.321: Deltas**

Short name: **DEL**

Long name: **TBD**

**Information items**

Short name: **DXC** Long name: **TBD**

Short name: **DYC** Long name: **TBD**

Short name: **DUP** Long name: **TBD**

Short name: **DLF** Long name: **TBD**

Short name: **DRT** Long name: **TBD**

Short name: **DTP** Long name: **TBD**

Short name: **RPU** Long name: **TBD**

Short name: **DUU** Long name: **TBD**

Short name: **DUL** Long name: **TBD**

Short name: **DUR** Long name: **TBD**

**EFS field 9.322: Core delta ridge counts**

Short name: **CDR**

Long name: **TBD**

**Information items**

Short name: **CIX** Long name: **TBD**

Short name: **DIX** Long name: **TBD**

Short name: **MRC** Long name: **TBD**

Short name: **XRC** Long name: **TBD**

**EFS field 9.323: Center point of reference**

Short name: **CPR**

Long name: **TBD**

**Information items**

Short name: **CPM** Long name: **TBD**

Short name: **PXC** Long name: **TBD**

Short name: **PYC** Long name: **TBD**

Short name: **CRU** Long name: **TBD**

**EFS field 9.324: Distinctive features**

Short name: **DIS**

Long name: **TBD**

**Information items**

Short name: **DIT** Long name: **TBD**

Short name: **DIP** Long name: **TBD**

Short name: **COM** Long name: **TBD**

**EFS field 9.325: No cores present**

Short name: **NCR**

Long name: **TBD**

**EFS field 9.325: No deltas present**

Short name: **NDL**

Long name: **TBD**

**EFS field 9.235: No distinctive features present**

Short name: **NDF**

Long name: **TBD**

**EFS field 9.326: Minutiae**

Short name: **MIN**

Long name: **TBD**

**Information items**

Short name: **MXC** Long name: **TBD**

Short name: **MYC** Long name: **TBD**

Short name: **MTD** Long name: **TBD**

Short name: **MTY** Long name: **TBD**

Short name: **MRU** Long name: **TBD**

Short name: **MDU** Long name: **TBD**

**EFS field 9.332: Minutiae ridge count algorithm**

Short name: **MRA**

Long name: **TBD**

**EFS field 9.333: Minutiae ridge counts**

Short name: **MRC**

Long name: **TBD**

**Information items**

Short name: **MIA** Long name: **TBD**

Short name: **MIB** Long name: **TBD**

Short name: **MIR** Long name: **TBD**

Short name: **MRN** Long name: **TBD**

Short name: **MRS** Long name: **TBD**

**EFS field 9.334: No minutiae present**

Short name: **NMP**

Long name: **TBD**

**EFS field 9.335: Minutiae ridge count confidence**

Short name: **RCC**

Long name: **TBD**



**Information items**

Short name: **AXC** Long name: **TBD**

Short name: **AYC** Long name: **TBD**

Short name: **BXC** Long name: **TBD**

Short name: **BYC** Long name: **TBD**

Short name: **MRC** Long name: **TBD**

Short name: **MCV** Long name: **TBD**

**EFS field 9.340: Dots**

Short name: **DOT**

Long name: **TBD**

**Information items**

Short name: **DOX** Long name: **TBD**

Short name: **DOY** Long name: **TBD**

Short name: **DOL** Long name: **TBD**

**EFS field 9.341: Incipient ridges**

Short name: **INR**

Long name: **TBD**

**Information items**

Short name: **X1C** Long name: **TBD**

Short name: **Y1C** Long name: **TBD**

Short name: **X2C** Long name: **TBD**

Short name: **Y2C** Long name: **TBD**

**EFS field 9.342: Creases and linear discontinuities**

Short name: **CLD**

Long name: **TBD**

**Information items**

Short name: **XX1** Long name: **TBD**

Short name: **XY1** Long name: **TBD**

Short name: **DX2** Long name: **TBD**

Short name: **DY2** Long name: **TBD**

Short name: **TPD** Long name: **TBD**

**EFS field 9.342: Creases and linear discontinuities**

Short name: **CLD**

Long name: **TBD**

**Information items**

Short name: **CLX** Long name: **TBD**

Short name: **CLY** Long name: **TBD**

Short name: **CLT** Long name: **TBD**

**EFS field 9.344: No pores present**

Short name: **NPP**

Long name: **TBD**

**EFS field 9.345: Pores**

Short name: **POR**

Long name: **TBD**

**Information items**

Short name: **POX** Long name: **TBD**

Short name: **POY** Long name: **TBD**

**EFS field 9.346: No dots present**

Short name: **NDT**

Long name: **TBD**

**EFS field 9.340: Dots**

Short name: **DOT**

Long name: **TBD**

**EFS field 9.347: No incipient ridges present**

Short name: **NIR**

Long name: **TBD**

**EFS field 9.348: No creases present**

Short name: **NCR**

Long name: **TBD**

**EFS field 9.349: No ridge edge features present**

Short name: **NRE**

Long name: **TBD**

**EFS field 9.350: Method of feature detection**

Short name: **MFD**

Long name: **TBD**

**Information items**

Short name: **FIE** Long name: **TBD**

Short name: **FME** Long name: **TBD**

Short name: **FAV** Long name: **TBD**

Short name: **FAL** Long name: **TBD**

Short name: **ELN** Long name: **TBD**

Short name: **EFN** Long name: **TBD**

Short name: **EAF** Long name: **TBD**

Short name: **EMT** Long name: **TBD**

Short name: **NTS** Long name: **TBD**

**EFS field 9.351: Comments**

Short name: **COM**

Long name: **TBD**

**EFS field 9.352: Latent processing method**

Short name: **LPM**

Long name: **TBD**

**EFS field 9.353: Examiner analysis assessment**

Short name: **EAA**

Long name: **TBD**

**Information items**

Short name: **AAV** Long name: **TBD**

Short name: **ALN** Long name: **TBD**

Short name: **AFN** Long name: **TBD**

Short name: **AAF** Long name: **TBD**

Short name: **AMT** Long name: **TBD**

Short name: **ACM** Long name: **TBD**

**EFS field 9.354: Evidence of fraud**

Short name: **EOF**

Long name: **TBD**

**Information items**

Short name: **FRA** Long name: **TBD**

Short name: **CFD** Long name: **TBD**

**EFS field 9.355: Latent substrate**

Short name: **LSB**

Long name: **TBD**

**Information items**

Short name: **CLS** Long name: **TBD**

Short name: **CLC** Long name: **TBD**

**EFS field 9.355: Latent matrix**

Short name: **LMT**

Long name: **TBD**

**Information items**

Short name: **CLA** Long name: **TBD**

**EFS field 9.357: Local quality issues**

Short name: **LQI**

Long name: **TBD**

**Information items**

Short name: **LQT** Long name: **TBD**

Short name: **LQP** Long name: **TBD**

Short name: **LQC** Long name: **TBD**

**EFS field 9.360: Area of correspondence**

Short name: **AOC**

Long name: **TBD**

**Information items**

Short name: **IDC** Long name: **ImageReferenceIdentification**

Short name: **AOP** Long name: **TBD**

Short name: **ACM** Long name: **TBD**

**EFS field 9.361: Corresponding points or features**

Short name: **CPF**

Long name: **TBD**

**Information items**

Short name: **LBC** Long name: **TBD**

Short name: **POF** Long name: **TBD**

Short name: **FNU** Long name: **TBD**

Short name: **FOC** Long name: **TBD**

Short name: **PXV** Long name: **TBD**

Short name: **PYV** Long name: **TBD**

Short name: **PFC** Long name: **TBD**

**EFS field 9.362: Examiner comparison determination**

Short name: **ECD**

Long name: **TBD**

**Information items**

Short name: **EDC** Long name: **TBD**

Short name: **EDE** Long name: **TBD**

Short name: **WIP** Long name: **TBD**

Short name: **ELN** Long name: **TBD**

Short name: **EFN** Long name: **TBD**

Short name: **EAF** Long name: **TBD**

Short name: **DTG** Long name: **TBD**

Short name: **CZZ** Long name: **TBD**

**EFS field 9.372: Skeletonized image**

Short name: **SIM**

Long name: **TBD**

**EFS field 9.373: Ridge path segments**

Short name: **RPS**

Long name: **TBD**

**Field 9.901: Universal latent annotation information**

Short name: **LAI**

Long name: **LAIText**

**Type-10 facial or SMT image record**

**Field 10.002: Image designation character**

Short name: **IDC**

Long name: **ImageReferenceIdentification**

**Field 10.003: Image type**

Short name: **IMT**

Long name: **ImageCategoryCode**

**Field 10.004: Source agency / ORI**

Short name: **SRC**

Long name: **CaptureOrganization**

**Field 10.005: Photo date**

Short name: **PHD**

Long name: **CaptureDate**

**Field 10.006: Horizontal line length**

Short name: **HLL**

Long name: **ImageHorizontalLineLengthPixelQuantity**

**Field 10.007: Vertical line length**

Short name: **VLL**

Long name: **ImageVerticalLineLengthPixelQuantity**

**Field 10.008: Scale units**

Short name: **SLC**

Long name: **ImageScaleUnitsCode**

**Field 10.009: Horizontal pixel scale**

Short name: **HPS**

Long name: **ImageHorizontalPixelDensityValue**

**Field 10.010: Vertical pixel scale**

Short name: **VPS**

Long name: **ImageVerticalPixelDensityValue**

**Field 10.011: Compression algorithm**

Short name: **CGA**

Long name: **ImageCompressionAlgorithmText**

**Field 10.012: Color space**

Short name: **CSP**

Long name: **ImageColorSpaceCode**

**Field 10.013: Subject Acquisition Profile (SAP)**

Short name: **SAP**

Long name: **FacelImageAcquisitionProfileCode**

**Field 10.014: Face image position coordinates within full image**

Short name: **FIP**

Long name: **FacelImagePositionCoordinates**

**Information items**

Short name: **LHC** Long name: **SegmentLeftHorizontalCoordinateValue**

Short name: **RHC** Long name: **SegmentRightHorizontalCoordinateValue**

Short name: **TVC** Long name: **SegmentTopVerticalCoordinateValue**

Short name: **BVC** Long name: **SegmentBottomVerticalCoordinateValue**



Short name: **BBC** Long name: **TBD**

**Field 10.016: Scanned horizontal pixel scale**

Short name: **SHPS**

Long name: **CaptureHorizontalPixelDensityValue**

**Field 10.017: Scanned vertical pixel scale**

Short name: **SVPS**

Long name: **CaptureVerticalPixelDensityValue**

**Field 10.018: Distortion**

Short name: **DIS**

Long name: **FacelImageDistortionType**

**Information items**

Short name: **IDK** Long name: **ImageDistortionTypeCode**

Short name: **IDM** Long name: **ImageDistortionMeasurementCode**

Short name: **DSC** Long name: **DistortionSeverityCode**

**Field 10.019: Lighting Artifacts**

Short name: **LAF**

Long name: **LightingArtifactCode**

**Field 10.020: Subject pose**

Short name: **POS**

Long name: **FacelImageSubjectPoseCode**

**Field 10.023: Pose offset angle**

Short name: **POA**

Long name: **FacelImagePoseOffsetAngleMeasure**

**Field 10.023: Photo acquisition source**

Short name: **PAS**

Long name: **FacelImageAcquisitionSource**

**Field 10.024: Subject quality score**

Short name: **SQS**

Long name: **ImageQuality**

**Subfield**

Short name: **QVS** Long name:

**Information items for first subfield**

Short name: **QVU** Long name: **QualityValue**

Short name: **QAV** Long name: **QualityAlgorithmVendorIdentification**

Short name: **QAP** Long name: **QualityAlgorithmProductIdentification**

**Field 10.025: Subject pose angles**

Short name: **SPA**

Long name: **FacelImage3DPoseAngle**

**Information items**

Short name: **PIT** Long name: **PosePitchAngleMeasure**

Short name: **ROL** Long name: **PoseRollAngleMeasure**

Short name: **YAW** Long name: **PoseYawAngleMeasure**

Short name: **PITU** Long name: **PosePitchUncertaintyValue**

Short name: **ROLU** Long name: **PoseRollUncertaintyValue**

Short name: **YAWU** Long name: **PoseYawUncertaintyValue**

**Field 10.026: Subject facial description**

Short name: **SXS**

Long name: **FacelImageDescriptionCode**

**Field 10.027: Subject eye color**

Short name: **SEC**

Long name: **FacelImageEyeColorAttributeCode**

**Field 10.028: Subject hair color**

Short name: **SHC**

Long name: **FacelImageHairColorAttributeCode**

**Field 10.029: 2D Facial feature points**

Short name: **FFP**

Long name: **FacelImageFeaturePoint**

**Field 10.030: Device monitoring mode**

Short name: **DMM**

Long name: **CaptureDeviceMonitoringModeCode**

**Field 10.031: Tiered markup collection**

Short name: **TMC**

Long name: **FacialTieredMarkup**

**Field 10.032: Anthropometric 3D markup codes**

Short name: **AMC**

Long name: **AnthropomorphicFacialMarkupCode**

**Field 10.033: Feature contours**

Short name: **FEC**

Long name: **FeatureContours**

**Field 10.040: NCIC SMT code**

Short name: **SMT**

Long name: **PhysicalFeatureNCICCode**

**Field 10.041: SMT size**

Short name: **SMS**

Long name: **PhysicalFeatureSize**

**Field 10.042: SMT descriptors**

Short name: **SMD**

Long name: **PhysicalFeatureSubClassCode**

**Subfield**

Short name: **SDT** Long name: **TBD**

**Information item for first subfield**

Short name: **SMI** Long name: **TBD**

Short name: **TAC** Long name: **TBD**

Short name: **TSC** Long name: **TBD**

Short name: **TDS** Long name: **TBD**

**Field 10.043: Color**

Short name: **COL**

Long name: **PhysicalFeatureColorDetail**

**Field 10.044: Image transform**

Short name: **ITX**

Long name: **ImageTransform**

**Field 10.045: Occlusion**

Short name: **OCC**

Long name: **Occlusion**

**Subfields**

Short name: **OCCO** Long name: **OcclusionOpacity**

Short name: **OCCT** Long name: **OcclusionType**

Short name: **OCPQ** Long name: **OcclusionPointQuantity**

Short name: **BOO** Long name: **TBD**

**Information items for fourth subfield**

Short name: **PHX** Long name: **PositionHorizontalCoordinateValue**

Short name: **PVY** Long name: **TBD**

**Field 10.200-990: User-defined fields**

Short name: **UDF**

Long name: **UserDefinedFields**

**Field 10.996: Image hash**

Short name: **HAS**

Long name: **ImageHashValue**

**Field 10.997: Original image reference**

Short name: **OIV**

Long name: **OriginalImageReference**

**Subfields**

Short name: **OIR** Long name: **OriginalImageReferenceValue**

Short name: **RTV** Long name: **ReferenceTypeValue**

**Field 10.998: Geographic Sample Location**

Short name: **GEO**

Long name: **GeographicReferenceComplexElement**

**Subfields**

Short name: **GRT** Long name: **GeographicReferenceText**

Short name: **DEG** Long name: **DegreeValue**

Short name: **DMS** Long name: **DegreeMinuteSecondValue**

**Field 10.999: Image Data**

Short name: **DATA**

Long name: **BinaryBase64Object**

**Type-13 variable-resolution latent image record**

**Field 13.002: Image designation character**

Short name: **IDC**

Long name: **ImageReferenceIdentification**

**Field 13.003: Impression type**

Short name: **IMP**

Long name: **FingerprintImageImpressionCaptureCategoryCode**

**Field 13.004: Source agency / ORI**

Short name: **SRC**

Long name: **CaptureOrganization**

**Field 13.005: Latent capture date**

Short name: **LCD**

Long name: **CaptureDate**

**Field 13.006: Horizontal line length**

Short name: **HLL**

Long name: **HorizontalLineLengthPixelQuantity**

**Field 13.007: Vertical line length**

Short name: **VLL**

Long name: **VerticalLineLengthPixelQuantity**

**Field 13.008: Scale units**

Short name: **SLC**

Long name: **ImageScaleUnitsCode**

**Field 13.009: Horizontal pixel scale**

Short name: **HPS**

Long name: **ImageHorizontalPixelDensityValue**

**Field 13.010: Vertical Pixel scale**

Short name: **VPS**

Long name: **ImageVerticalPixelDensityValue**

**Field 13.011: Compression algorithm**

Short name: **CGA**

Long name: **ImageCompressionAlgorithmText**

**Field 13.012: Bits per pixel**

Short name: **BPX**

Long name: **ImageBitsPerPixelQuantity**

**Field 13.013: Friction ridge generalized position**

Short name: **FGP**

Long name(s): **FingerPositionCode**

**PalmPositionCode**

**PlantarPositionCode**

**Field 13.014: Search position descriptors**

Short name: **SPD**

Long name: **FingerprintImageMajorCasePrint**

**Information items**

Short name: **FGP** Long name: **FingerPositionCode**

Short name: **SLC** Long name: **SegmentLocationCode**

**Field 13.015: Print position coordinates**

Short name: **PPC**

Long name: **MajorCasePrintSegmentOffset**

**Information items**

Short name: **FVC** Long name: **SegmentFingerViewCode**

Short name: **SLC** Long name: **SegmentLocationCode**

Short name: **LHC** Long name: **SegmentLeftHorizontalCoordinateValue**

Short name: **RHC** Long name: **SegmentRightHorizontalCoordinateValue**

Short name: **TVC** Long name: **SegmentTopVerticalCoordinateValue**

Short name: **BVC** Long name: **SegmentBottomVerticalCoordinateValue**

**Field 13.016: Scanned horizontal pixel scale**

Short name: **SHPS**

Long name: **CaptureHorizontalPixelDensityValue**

**Field 13.017: Scanned vertical pixel scale**

Short name: **SVPS**

Long name: **CaptureVerticalPixelDensityValue**

**Field 13.020: Comment**

Short name: **COM**

Long name: **ImageCommentText**

**Field 13.024: Latent quality metric**

Short name: **LQM**

Long name(s): **FingerprintImageQuality**

**PalmpointImageQuality**

**PlantarImageQuality**

**Information items**

Short name: **FGP** Long name: **FingerPositionCode**

Short name: **QVU** Long name: **QualityValue**

Short name: **QAV** Long name: **QualityAlgorithmVendorIdentification**

Short name: **QAP** Long name: **QualityAlgorithmProductIdentification**

**Fields 13.200-990: User-defined fields**



Short name: **UDF**

Long name: **UserDefinedFields**

**Field 13.996: Image hash**

Short name: **HAS**

Long name: **ImageHashValue**

**Field 13.997: Original image reference**

Short name: **OIV**

Long name: **OriginalImageReference**

**Subfields**

Short name: **OIR** Long name: **OriginalImageReferenceValue**

Short name: **RTV** Long name: **ReferenceTypeValue**

**Field 13.998: Geographic sample location**

Short name: **GEO**

Long name: **GeographicReference**

**Subfields**

Short name: **GRT** Long name: **GeographicReferenceText**

Short name: **DEG** Long name: **DegreeValue**

Short name: **DMS** Long name: **DegreeMinuteSecondValue**

**Field 13.999: Image data**

Short name: **DATA**

Long name: **BinaryBase64Object**

**Type-14 variable-resolution fingerprint image record**

**Field 14.002: Image designation character**

Short name: **IDC**

Long name: **ImageReferenceIdentification**

**Field 14.003: Impression type**

Short name: **IMP**

Long name: **FingerprintImageImpressionCaptureCategoryCode**

**Field 14.004: Source agency / ORI**

Short name: **SRC**

Long name: **CaptureOrganization**

**Field 14.004: Fingerprint capture date**

Short name: **FCD**

Long name: **Capturedate**

**Field 14.006: Horizontal line length**

Short name: **HLL**

Long name: **HorizontalLineLengthPixelQuantity**

**Field 14.007: Vertical line length**

Short name: **VLL**

Long name: **VerticalLineLengthPixelQuantity**

**Field 14.008: Scale units**

Short name: **SLC**

Long name: **ImageScaleUnitsCode**

**Field 14.009: Horizontal pixel scale**

Short name: **HPS**

Long name: **ImageHorizontalPixelDensityValue**

**Field 14.010: Vertical pixel scale**

Short name: **VPS**

Long name: **ImageVerticalPixelDensityValue**

**Field 14.011: Compression algorithm**

Short name: **CGA**

Long name: **ImageCompressionAlgorithmText**

**Field 14.012: Bits per pixel**

Short name: **BPX**

Long name: **ImageBitsPerPixelQuantity**

**Field 14.013: FingerGeneralizedPosition**

Short name: **FGP**

Long name: **FingerPositionCode**

**Field 14.014: Print Position Descriptors**

Short name: **PPD**

Long name: **FingerprintImageMajorCasePrint**

**Information items**

Short name: **FGP** Long name: **FingerPositionCode**

Short name: **SLC** Long name: **SegmentLocationCode**

**Field 14.015: Print position coordinates**

Short name: **PPC**

Long name: **MajorCasePrintSegmentOffset**

**Information items**

Short name: **FVC** Long name: **SegmentFingerViewCode**

Short name: **SLC** Long name: **SegmentLocationCode**

Short name: **LHC** Long name: **SegmentLeftHorizontalCoordinateValue**

Short name: **RHC** Long name: **SegmentRightHorizontalCoordinateValue**

Short name: **TVC** Long name: **SegmentTopVerticalCoordinateValue**

Short name: **BVC** Long name: **SegmentBottomVerticalCoordinateValue**

**Field 14.016: Scanned horizontal pixel scale**

Short name: **SHPS**

Long name: **CaptureHorizontalPixelDensityValue**

**Field 14.017: Scanned vertical pixel scale**

Short name: **SVPS**

Long name: **CaptureVerticalPixelDensityValue**

**Field 14.018: Amputated or bandaged**

Short name: **AMP**

Long name: **FingerprintImageFingerMissing**

**Information items**

Short name: **FGP** Long name: **FingerpositionCode**

Short name: **FMC** Long name: **FingerMissingCode**

**Field 14.020: Comment**

Short name: **COM**

Long name: **ImageCommentText**

**Field 14.021: Finger segment position(s)**

Short name: **SEG**

Long name: **FingerprintImageSegmentPositionSquare**

**Subfield**

Short name: **FBA** Long name: **TBD**

**Information items for first subfield**

Short name: **FGP** Long name: **FingerPositionCode**

Short name: **LHC** Long name: **SegmentLeftHorizontalCoordinateValue**

Short name: **RHC** Long name: **SegmentRightHorizontalCoordinateValue**

Short name: **TVC** Long name: **SegmentTopVerticalCoordinateValue**

Short name: **BVC** Long name: **SegmentBottomVerticalCoordinateValue**

**Field 14.022: NIST quality metric**

Short name: **NQM**

Long name: **FingerprintImageNISTQuality**

**Information items**

Short name: **FGP** Long name: **FingerPositionCode**

Short name: **QVU** Long name: **QualityValue**

**Field 14.023: Segmentation quality metric**

Short name: **SQM**

Long name: **FingerprintImageSegmentationQuality**

**Subfield**

Short name: **QMS** Long name: **TBD**

**Information items**

Short name: **FGP** Long name: **FingerPositionCode**

Short name: **QVU** Long name: **QualityValue**

Short name: **QAV** Long name: **QualityAlgorithmVendorIdentification**

Short name: **QAP** Long name: **QualityAlgorithmProductIdentification**

**Field 14.024: Fingerprint quality metric**

Short name: **FQM**

Long name: **FingerprintImageQuality**

**Subfield**

Short name: **QMS** Long name: **TBD**

**Information items**

Short name: **FGP** Long name: **FingerPositionCode**

Short name: **QVU** Long name: **QualityValue**

Short name: **QAV** Long name: **QualityAlgorithmVendorIdentification**

Short name: **QAP** Long name: **QualityAlgorithmProductIdentification**

**Field 14.025: Alternate finger segment position(s)**

Short name: **ASEG**

Long name: **FingerprintImageSegmentPositionPolygon**

**Subfields**

Short name: **FPC** Long name: **FingerPositionCode**

Short name: **VNV** Long name: **DistortionSeverityCode**

Short name: **PPV** Long name: **PositionPolygonVertex**

**Information items for third subfield**

Short name: **PHV** Long name: **PositionHorizontalCoordinateValue**

Short name: **PVV** Long name: **PositionVerticalCoordinateValue**

**Field 14.030: Device monitoring mode**

Short name: **DMM**

Long name: **CaptureDeviceMonitoringModeCode**

**Field 14.031: Subject acquisition profile**

Short name: **SAP**

Long name: **FingerprintImageAcquisitionProfileCode**

**Fields 14.200-990: User-defined fields**

Short name: **UDF**

Long name: **UserDefinedFields**

**Field 14.996: Image hash**

Short name: **HAS**

Long name: **ImageHashValue**

**Field 14.997: Original Image Reference**

Short name: **OIV**

Long name: **OriginalImageReference**

**Subfields**

Short name: **OIR** Long name: **OriginalImageReferenceValue**

Short name: **RTV** Long name: **ReferenceTypeValue**

**Field 14.998: Geographic sample location**

Short name: **GEO**

Long name: **GeographicReference**

**Subfields**

Short name: **GRT** Long name: **GeographicReferenceText**

Short name: **DEG** Long name: **DegreeValue**

Short name: **DMS** Long name: **DegreeMinuteSecondValue**

**Field 14.999: Image data**

Short name: **DATA**

Long name: **BinaryBase64Object**

**Type-15 variable-resolution palmprint image record**

**Field 15.002: Image designation character**

Short name: **IDC**

Long name: **ImageReferenceIdentification**

**Field 15.003: Impression type**

Short name: **IMP**

Long name: **FingerprintImageImpressionCaptureCategoryCode**

**Field 15.004: Source agency / ORI**

Short name: **SRC**

Long name: **CaptureOrganization**

**Field 15.005: Palmprint capture date**

Short name: **PCD**

Long name: **CaptureDate**

**Field 15.006: Horizontal line length**

Short name: **HLL**

Long name: **HorizontalLineLengthPixelQuantity**

**Field 15.007: Vertical line length**

Short name: **VLL**

Long name: **VerticalLineLengthPixelQuantity**

**Field 15.008: Scale units**

Short name: **SLC**

Long name: **ImageScaleUnitsCode**

**Field 15.009: Horizontal pixel scale**

Short name: **HPS**

Long name: **ImageHorizontalPixelDensityValue**

**Field 15.010: Vertical pixel scale**

Short name: **VPS**

Long name: **ImageVerticalPixelDesntiyValue**

**Field 15.011: Compression algorithm**

Short name: **CGA**

Long name: **ImageCompressionAlgorithmText**

**Field 15.012: Bits per pixel**

Short name: **BPX**



Long name: **ImageBitsPerPixelQuantity**

**Field 15.013: Palmprint position**

Short name: **PLP**

Long name: **PalmPositionCode**

**Field 15.016: Scanned horizontal pixel scale**

Short name: **SHPS**

Long name: **CaptureHorizontalPixelDensityValue**

**Field 15.017: Scanned vertical pixel scale**

Short name: **SVPS**

Long name: **CaptureVerticalPixelDensityValue**

**Field 15.020: Comment**

Short name: **COM**

Long name: **ImageCommentText**

**Field 15.024: Palmprint quality metric**

Short name: **PQM**

Long name: **PalmprintImageQuality**

**Subfield**

Short name: **QMS** Long name: **TBD**

**Information items**

Short name: **FGP** Long name: **FingerprintImagePosition**

Short name: **QVU** Long name: **QualityValue**

Short name: **QAV** Long name: **QualityAlgorithmVendorIdentification**

Short name: **QAP** Long name: **QualityAlgorithmProductIdentification**

**Field 15.030: Device monitoring mode**

Short name: **DMM**

Long name: **CaptureDeviceMonitoringModeCode**

**Fields 15.200-990: User-defined fields**

Short name: **UDF**

Long name: **UserDefinedFields**

**Field 15.996: Image hash**

Short name: **HAS**

Long name: **ImageHashValue**

**Field 15.997: Original image reference**

Short name: **OIV**

Long name: **OriginalImageReference**

**Subfields**

Short name: **OIR** Long name: **OriginalImageReferenceValue**

Short name: **RTV** Long name: **ReferenceTypeValue**

**Field 15.998: Geographic Sample Location**

Short name: **GEO**

Long name: **GeographicReference**

**Subfields**

Short name: **GRT** Long name: **GeographicReferenceText**

Short name: **DEG** Long name: **DegreeValue**

Short name: **DMS** Long name: **DegreeMinuteSecondValue**

**Field 15.999: Image data**

Short name: **DATA**

Long name: **BinaryBase64Object**

**Type-16 user-defined testing image record**

**Field 16.002: Image designation character**

Short name: **IDC**

Long name: **ImageReferenceIdentification**

**Field 16.003: User-defined image**

Short name: **UDI**

Long name: **BinaryDescriptionText**

**Field 16.004: Source agency / ORI**

Short name: **SRC**

Long name: **CaptureOrganization**

**Field 16.005: User-defined testing date**

Short name: **UTD**

Long name: **CaptureDate**

**Field 16.006: Horizontal line length**

Short name: **HLL**

Long name: **ImageHorizontalLineLengthPixelQuantity**

**Field 16.007: Vertical line length**

Short name: **VLL**

Long name: **ImageVerticalLineLengthPixelQuantity**

**Field 16.008: Scale units**

Short name: **SLC**

Long name: **ImageScaleUnitsCode**

**Field 16.009: Horizontal pixel scale**

Short name: **HPS**

Long name: **ImageHorizontalPixelDensityValue**

**Field 16.010: Vertical pixel scale**

Short name: **VPS**

Long name: **ImageVerticalPixelDensityValue**

**Field 16.011: Compression algorithm**

Short name: **CGA**

Long name: **ImageCompressionAlgorithmText**

**Field 16.012: Bits per pixel**

Short name: **BPX**

Long name: **ImageBitxPerPixelQuantity**

**Field 16.013: Color space**

Short name: **CSP**

Long name: **ImageColorSpaceCode**

**Field 16.016: Scanned horizontal pixel scale**

Short name: **SHPS**

Long name: **CaptureHorizontalPixelDensityValue**

**Field 16.017: Scanned vertical pixel scale**

Short name: **SVPS**

Long name: **CaptureVerticalPixelDensityValue**

**Field 16.020: Comment**

Short name: **COM**

Long name: **ImageCommentText**

**Field 16.024: User-defined testing image quality score**

Short name: **UQS**

Long name: **ImageQuality**

**Subfield**

Short name: **QMS** Long name: **TBD**

**Information items**

Short name: **QVU** Long name: **QualityValue**

Short name: **QAV** Long name: **QualityAlgorithmVendorIdentification**

Short name: **QAP** Long name: **QualityAlgorithmProductIdentification**

**Field 16.030: Device monitoring mode**

Short name: **DMM**

Long name: **CaptureDeviceMonitoringModeCode**

**Fields 16.200-990: User-defined fields**

Short name: **UDF**

Long name: **UserDefinedFields**

**Field 16.996: Image Hash**

Short name: **HAS**

Long name: **ImageHashValue**

**Field 16.997: Original image reference**

Short name: **OIV**

Long name: **OriginalImageReference**

**Subfields**

Short name: **OIR** Long name: **OriginalImageReferenceValue**

Short name: **RTV** Long name: **ReferenceTypeValue**

**Field 16.998: Geographic sample location**

Short name: **GEO**

Long name: **GeographicReference**

**Subfields**

Short name: **GRT** Long name: **GeographicReferenceText**

Short name: **DEG** Long name: **DegreeValue**

Short name: **DMS** Long name: **DegreeMinuteSecondValue**

**Field 16.999: Image data**

Short name: **DATA**

Long name: **BinaryBase64Object**

**Type-17 iris image record**

**Field 17.002: Image designation character**

Short name: **IDC**

Long name: **ImageReferenceIdentification**

**Field 17.003: Feature identifier**

Short name: **FID**

Long name: **IrisEyePositionCode**

**Field 17.004: Source agency / ORI**

Short name: **SRC**

Long name: **CaptureOrganization**

**Field 17.005: Iris capture date**

Short name: **ICD**

Long name: **CaptureDate**

**Field 17.006: Horizontal line length**

Short name: **HLL**

Long name: **ImageHorizontalLineLengthPixelQuality**

**Field 17.007: Vertical line length**

Short name: **VLL**

Long name: **ImageVerticalLineLengthPixelQuantity**

**Field 17.008: Scale units**

Short name: **SLC**

Long name: **ImageScaleUnitsCode**

**Field 17.009: Horizontal pixel scale**

Short name: **HPS**

Long name: **ImageHorizontalPixelDensityValue**

**Field 17.010: Vertical pixel scale**

Short name: **VPS**

Long name: **ImageVerticalPixelDensityValue**

**Field 17.011: Compression algorithm**

Short name: **CGA**

Long name: **ImageCompressionAlgorithmText**

**Field 17.012: Bits per pixel**

Short name: **BPX**

Long name: **ImageBitsPerPixelQuantity**

**Field 17.013: Color space**

Short name: **CSP**

Long name: **ImageColorSpaceCode**

**Field 17.014: Rotation angle of eye**

Short name: **RAE**

Long name: **IrisEyeRotationAngleMeasure**

**Field 17.015: Rotation uncertainty**

Short name: **RAU**

Long name: **IrisEyeRotationUncertaintyValueText**

**Field 17.016: Image property code**

Short name: **IPC**

Long name: **TBD**

**Information items**

Short name: **IHO** Long name: **IrisImageHorizontalOrientationCode**

Short name: **IVO** Long name: **IrisImageVerticalOrientationCode**

Short name: **IST** Long name: **IrisImageScanCategoryCode**

**Field 17.017: Device unique identifier**

Short name: **DUI**

Long name: **CaptureDeviceIdentification**

**Field 17.018: Global unique identifier**

Short name: **GUI**

Long name: **CaptureDeviceGlobalIdentification**

**Field 17.019: Make/model/serial number**

Short name: **MAK** Long name: **CaptureDeviceMakeText**

Short name: **MOD** Long name: **CaptureDeviceModelText**

Short name: **SER** Long name: **CaptureDeviceSerialNumberText**

**Field 17.020: Eye color**

Short name: **ECL**

Long name: **IrisEyeColorAttributeCode**

**Field 17.021: Comment**

Short name: **COM**

Long name: **ImageCommentText**

**Field 17.022: Scanned horizontal pixel scale**

Short name: **SHPS**

Long name: **CaptureHorizontalPixelDensityValue**

**Field 17.023: Scanned vertical pixel scale**



Short name: **SVPS**

Long name: **CaptureVerticalPixelDensityValue**

**Field 17.024: Image quality score**

Short name: **IQS**

Long name: **ImageQuality**

**Subfield**

Short name: **QMS** Long name: **TBD**

**Information items**

Short name: **QVU** Long name: **QualityValue**

Short name: **QAV** Long name: **QualityMeasureVendorIdentification**

Short name: **QAP** Long name: **QualityAlgorithmProductIdentification**

**Field 17.025: Acquisition and lighting spectrum**

Short name: **ALS**

Long name: **IrisImageAcquisitionLightingSpectrumValue**

**Field 17.026: Iris diameter**

Short name: **IRD**

Long name: **IrisDiameterPixelQuantity**

**Field 17.030: Device monitoring mode**

Short name: **DMM**

Long name: **CaptureDeviceMonitoringModeCode**

**Field 17.031: Subject acquisition profile**

Short name: **SAP**

Long name: **IrisImageAcquisitionProfileCode**

**Field 17.032: Compact storage format**

Short name: **ISF**

Long name: **IrisImageStorageCode**

**Field 17.033: Iris pupil boundary**

Short name: **IPB**

Long name: **TBD**

**Subfields**

Short name: **IPC** Long name: **IrisImageScanCategoryCode**

Short name: **IPPQ** Long name: **IrisPupilPointQuantity**

Short name: **ICP** Long name: **TBD**

**Information items for third subfield**

Short name: **PHX** Long name: **PositionHorizontalCoordinateValue**

Short name: **PVY** Long name: **PositionVerticalCoordinateValue**

**Field 17.034: Iris sclera boundary**

Short name: **ISB**

Long name: **IrisScleraBoundary**

**Subfields**

Short name: **ISC** Long name: **TBD**

Short name: **ISPQ** Long name: **IrisScleraPointQuantity**

Short name: **SCP** Long name: **TBD**

**Information items for third subfield**

Short name: **SHX** Long name: **TBD**

Short name: **PVY** Long name: **TBD**

**Field 17.035: Upper eyelid boundary**

Short name: **UEB**

Long name: **UpperEyelidBoundary**

**Subfields**

Short name: **UEC** Long name: **TBD**

Short name: **UEPQ** Long name: **UpperEyelidPointQuantity**

Short name: **UCP** Long name: **TBD**

**Information items for third subfield**

Short name: **UHX** Long name: **TBD**

Short name: **UVY** Long name: **TBD**

**Field 17.036: Lower eyelid boundary**

Short name: **LEB**

Long name: **LowerEyelidBoundary**

**Subfields**

Short name: **LSC** Long name: **TBD**

Short name: **LEPQ** Long name: **LowerEyelidPointQuantity**

Short name: **LCP** Long name: **TBD**

**Information items for third subfield**

Short name: **LHX** Long name: **TBD**

Short name: **LVY** Long name: **TBD**

**Field 17.037: Occlusion**

Short name: **OCC**

Long name: **Occlusion**

**Subfields**

Short name: **ONC** Long name: **TBD**

Short name: **OCT** Long name: **TBD**

Short name: **OCPQ** Long name: **OcclusionPointQuantity**

Short name: **OCP** Long name: **OcclusionPoint**

**Information items for fourth subfield**

Short name: **OHX** Long name: **TBD**

Short name: **OVY** Long name: **TBD**

**Field 17.040: Range**

Short name: **RAN**

Long name: **IrisImageRangeValue**

**Field 17.041: Lens angle of view**

Short name: **LAV**

Long name: **LensAngleofViewValue**

**Field 17.044: Image transform**

Short name: **ITX**

Long name: **ImageTransform**

**Field 17.200-990: User-defined fields**

Short name: **UDF** Long name: **UserDefinedFields**

**Field 17.996: Image hash**

Short name: **HAS**

Long name: **ImageHashValue**

**Field 17.997: Original image reference**

Short name: **OIV**

Long name: **OriginalImageReference**

**Subfields**

Short name: **OIR** Long name: **OriginalImageReferenceValue**

Short name: **RTV** Long name: **ReferenceTypeValue**

**Field 17.998: Geographic sample location**

Short name: **GEO**

Long name: **GeographicReference**

**Subfields**

Short name: **GRT** Long name: **GeographicReferenceText**

Short name: **DEG** Long name: **DegreeValue**

Short name: **DMS** Long name: **DegreeMinuteSecondValue**

**Field 17.999: Image data**

Short name: **DATA**

Long name: **BinaryBase64Object**

**Type-18 DNA record data**

**Field 18.002: Image designation character**

Short name: **IDC**

Long name: **ImageReferenceIdentification**

**Field 18.003: DNA technology type**

Short name: **DNT**

Long name: **TBD**

**Field 18.004: Source agency**

Short name: **SRC**

Long name: **CaptureOrganization**

**Field 18.005: DNA record header information**

Short name: **DRI**

Long name: **TBD**

**Subfields**

Short name: **TBD** Long name: **TBD**

Short name: **TBD** Long name: **TBD**

Short name: **TBD** Long name: **TBD**

Short name: **TBD** Long name: **TBD**

Short name: **TBD** Long name: **TBD**

**Information items for fifth subfield**

Short name: **TBD** Long name: **TBD**

Short name: **NSA** Long name: **TBD**

Short name: **SRA** Long name: **TBD**

Short name: **GVS** Long name: **TBD**

Short name: **RPY** Long name: **TBD**

**Information items for sixth subfield**

Short name: **CRC** Long name: **TBD**

Short name: **NRA** Long name: **TBD**

Short name: **SRR** Long name: **TBD**

Short name: **GVR** Long name: **TBD**

Short name: **LTY** Long name: **TBD**

Short name: **BID** Long name: **TBD**

Short name: **KID** Long name: **TBD**

**Information items for ninth subfield**

Short name: **KNM** Long name: **TBD**

Short name: **KMF** Long name: **TBD**

Short name: **KDS** Long name: **TBD**

Short name: **NRD** Long name: **TBD**

Short name: **CFG** Long name: **TBD**

**Field 18.006: DNA sample information**

Short name: **DSI**

Long name: **TBD**

**Subfields**

Short name: **SCY** Long name: **TBD**

Short name: **SCT** Long name: **TBD**

Short name: **STT** Long name: **TBD**

Short name: **SSI** Long name: **TBD**

Short name: **SCM** Long name: **TBD**

Short name: **SCD** Long name: **TBD**

**Information items for sixth subfield**

Short name: **GMT** Long name: **TransactionUTCDate**

Short name: **DAT** Long name: **TransactionDate**

**Field 18.007: DNA profile data**

Short name: **DPD**

Long name: **TBD**

**Subfields**

Short name: **DTS** Long name: **TBD**

Short name: **PTP** Long name: **TBD**

Short name: **RES** Long name: **TBD**

Short name: **PRF** Long name: **TBD**

Short name: **REQ** Long name: **TBD**

Short name: **ERM** Long name: **TBD**

Short name: **SUP** Long name: **TBD**

**Field 18.008: DNA STR and Y-STR profile**

Short name: **DPF**

Long name: **TBD**

**Subfields**

Short name: **STR** Long name: **TBD**

Short name: **DLC** Long name: **TBD**

**Information items for second subfield**

Short name: **INP** Long name: **TBD**

Short name: **ALN** Long name: **TBD**

Short name: **ALC** Long name: **TBD**

**Field 18.009: DNA mitochondrial data**

Short name: **DMD**

Long name: **TBD**

**Subfields**

Short name: **MT1** Long name: **TBD**

Short name: **MT2** Long name: **TBD**

Short name: **MQ1** Long name: **TBD**

Short name: **MQ2** Long name: **TBD**

**Field 18.010: DNA user defined profile**

Short name: **UDP**

Long name: **TBD**

**Field 18.996: Image hash**

Short name: **HAS**

Long name: **ImageHashValue**

**Field 18.997: Original image reference**

Short name: **OIV**

Long name: **OriginalImageReference**

**Subfields**

Short name: **OIR** Long name: **OriginalImageReferenceValue**



Short name: **RTV** Long name: **ReferenceTypeValue**

**Field 18.998: Geographic sample location**

Short name: **GEO**

Long name: **GeographicReference**

**Subfields**

Short name: **GRT** Long name: **GeographicReferenceText**

Short name: **DEG** Long name: **DegreeValue**

Short name: **DMS** Long name: **DegreeMinuteSecondValue**

**Type-19 plantar biometric data record**

**Field 19.002: Image designation character**

Short name: **IDC**

Long name: **ImageReferenceIdentification**

**Field 19.003: Impression type**

Short name: **IMP**

Long name: **FingerprintImageImpressionCaptureCategoryCode**

**Field 19.004: Source agency / ORI**

Short name: **SRC**

Long name: **CaptureOrganization**

**Field 19.005: Plantar print capture date**

Short name: **XCD**

Long name: **CaptureDate**

**Field 19.006: Horizontal line length**

Short name: **HLL**

Long name: **HorizontalLineLenthPixelQuantity**

**Field 19.007: Vertical line length**

Short name: **VLL**

Long name: **VerticalLineLengthPixelQuantity**

**Field 19.008: Scale units**

Short name: **SLC**

Long name: **ImageScaleUnitsCode**

**Field 19.009: Horizontal pixel scale**

Short name: **HPS**

Long name: **ImageHorizontalPixelDensityValue**

**Field 19.010: Vertical pixel scale**

Short name: **VPS**

Long name: **VerticalPixelDensityValue**

**Field 19.011: Compression algorithm**

Short name: **CGA**

Long name: **CompressionAlgorithmText**

**Field 19.012: Bits per pixel**

Short name: **BPX**

Long name: **BitsPerPixelQuantity**

**Field 19.013: Plantarprint position**

Short name: **XLP**

Long name: **PlantarPositionCode**

**Field 19.016: Scanned horizontal pixel scale**

Short name: **SHPS**

Long name: **CaptureHorizontalPixelDensityValue**

**Field 19.017: Scanned vertical pixel scale**

Short name: **SVPS**

Long name: **CaptureVerticalPixelDensityValue**

**Field 19.018: Plantar segment position(s)**

Short name: **ASEG**

Long name: **PlantarprintImageSegmentPositionPolygon**

**Subfields**

Short name: **FPC** Long name: **TBD**

Short name: **VNV** Long name: **PositionPolygonVertexQuantity**

Short name: **PPV** Long name: **PositionPolygonVertex**

**Information items for third subfield**

Short name: **PHV** Long name: **PositionHorizontalCoordinateValue**

Short name: **PVV** Long name: **PositionVerticalCoordinateValue**

**Field 19.020: Comment**

Short name: **COM**

Long name: **ImageCommentText**

**Field 19.024: Plantar print quality metric**

Short name: **XQM**

Long name: **PlantarprintImageQuality**

**Subfield**

Short name: **QMS** Long name: **TBD**

**Information items for first subfield**

Short name: **FGP** Long name: **TBD**

Short name: **QVU** Long name: **QualityValue**

Short name: **QAV** Long name: **QualityAlgorithmIdentification**

Short name: **QAP** Long name: **QualityAlgorithmProductIdentification**

**Field 19.030: Device monitoring mode**

Short name: **DMM**

Long name: **CaptureDeviceMonitoringModeCode**

**Fields 19.200-990: User-defined fields**

Short name: **UDF**

Long name: **UserDefinedFields**

**Field 19.996: Image Hash**

Short name: **HAS**

Long name: **ImageHashValue**

**Field 19.997: Original image reference**

Short name: **OIV**

Long name: **OriginalImageReference**

**Subfields**

Short name: **OIR** Long name: **OriginalImageReferenceValue**

Short name: **RTV** Long name: **ReferenceTypeValue**

**Field 19.998: Geographic sample location**

Short name: **GEO**

Long name: **GeographicReference**

**Subfields**

Short name: **GRT** Long name: **GeographicReferenceText**

Short name: **DEG** Long name: **DegreeValue**

Short name: **DMS** Long name: **DegreeMinuteSecondValue**

**Field 19.999: Image data**

Short name: **DATA**

Long name: **BinaryBase64Object**

**Type-20 original image record**

**Field 20.002: Image designation character**

Short name: **IDC**

Long name: **ImageReferenceIdentification**

**Field 20.003: OIR description**

Short name: **OID**

Long name: **OriginalImageReferenceDescription**

**Field 20.004: Source agency / ORI**

Short name: **SRC**

Long name: **CaptureOrganization**

**Field 20.005: Photo date**

Short name: **PHD**

Long name: **CaptureDate**

**Field 20.006: Horizontal line length**

Short name: **HLL**

Long name: **ImageHorizontalLineLengthPixelQuantity**

**Field 20.007: Vertical line length**

Short name: **VLL**

Long name: **ImageVerticalLineLengthPixelQuantity**

**Field 20.008: Scale units**

Short name: **SLC**

Long name: **ImageScaleUnitsCode**

**Field 20.009: Horizontal pixel scale**

Short name: **HPS**

Long name: **ImageHorizontalPixelDensityValue**

**Field 20.010: Vertical pixel scale**

Short name: **VPS**

Long name: **ImageVerticalPixelDensityValue**

**Field 20.011: Image format**

Short name: **IFT**

Long name: **ImageStorageFormatText**

**Field 20.012: Bits per pixel**

Short name: **BPX**

Long name: **BitxPerPixelQuantity**

**Field 20.013: Color space**

Short name: **CSP**

Long name: **ImageColorSpaceCode**

**Field 20.014: Sample log**

Short name: **LOG**

Long name: **TBD**

**Subfield**

Short name: **SHG** Long name: **TBD**

**Information items for first subfield**

Short name: **DAT** Long name: **SampleHandingLogDate**

Short name: **DSC** Long name: **DistortionSeverityCode**

**Field 20.016: Original image segment position(s)**

Short name: **SEG**

Long name: **OriginalImageSegmentPositionSquare**

**Subfields**

Short name: **RTV** Long name: **ReferenceTypeValue**

Short name: **IPT** Long name: **InternalFileReferencePointerText**

Short name: **VNV** Long name: **DistortionSeverityCode**

Short name: **PPV** Long name: **PositionPolygonVertex**

**Information items for fourth subfield**

Short name: **PHV** Long name: **SegmentTopVerticalCoordinateValue**

Short name: **PVV** Long name: **SegmentBottomVerticalCoordinateValue**

**Field 20.017: Scanned horizontal pixel scale**

Short name: **SHPS**

Long name: **CaptureHorizontalPixelDensityValue**

**Field 20.018: Scanned vertical pixel scale**

Short name: **SVPS**

Long name: **CaptureVerticalPixelDensityValue**

**Field 20.020: Comment**

Short name: **COM**

Long name: **ImageCommentText**

**Fields 21.200-990: User-defined fields**

Short name: **UDF**

Long name: **UserDefinedFields**

**Field 20.996: Image hash**

Short name: **HAS**

Long name: **ImageHashValue**

**Field 20.997: Original Image Reference**

Short name: **OIV**

Long name: **OriginalImageReference**

**Subfields**

Short name: **OIR** Long name: **OriginalImageReferenceValue**

Short name: **RTV** Long name: **ReferenceTypeValue**

**Field 20.998: Geographic sample location**

Short name: **GEO**

Long name: **GeographicReference**

**Subfields**

Short name: **GRT** Long name: **GeographicReferenceText**

Short name: **DEG** Long name: **DegreeValue**

Short name: **DMS** Long name: **DegreeMinuteSecondValue**

**Field 20.999: Image data**

Short name: **DATA**

Long name: **BinaryBase64Object**

**Type-98 information assurance record**

**Field 98.002: Image designation character**

Short name: **IDC**

Long name: **ImageReferenceIdentification**

**Field 98.004: Source agency / ORI**

Short name: **SRC**

Long name: **CaptureOrganization**

**Field 98.005: IA data creation date**

Short name: **DCD**

Long name: **CaptureDate**

**Field 98.103: IADB format owner**



Short name: **DFO**

Long name: **IAFormatOwnerIdentification**

**Field 98.104: IADB Format Type**

Short name: **DFT**

Long name: **IAFormatCategoryIdentification**

**Field 98.200-900: User-defined fields**

Short name: **UDF**

Long name: **UserDefinedFields**

**Field 98.999: Information assurance data block**

Short name: **IAD**

Long name: **BinaryBase64Object**

**Type-99 CBEFF biometric data record**

**Field 99.002: Image designation character**

Short name: **IDC**

Long name: **ImageReferenceIdentification**

**Field 99.004: Source agency / ORI**

Short name: **SRC**

Long name: **CaptureOrganization**

**Field 99.005: Biometric creation date**

Short name: **BCD**

Long name: **CaptureDate**

**Field 99.100: CBEFF header version**

Short name: **HDV**

Long name: **CBEFFVersionIdentification**

**Field 99.101: Biometric type**

Short name: **BTY**

Long name: **CBEFFCategoryCode**

**Field 99.102: Biometric data quality**

Short name: **BDQ**

Long name: **ImageQuality**

**Subfield**

Short name: **QMS** Long name: **TBD**

**Information items for first subfield**

Short name: **QVU** Long name: **QualityVavalue**

Short name: **QAV** Long name: **QualityMeasureVendorIdentification**

Short name: **QAP** Long name: **QualityAlgorithmProductIdentification**

**Field 99.103: BDB format owner**

Short name: **BFO**

Long name: **CBEFFFormatOwnderIdentification**

**Field 99.104: BDB format type**

Short name: **BFT**

Long name: **CBEFFFormatCategoryIdentification**

**Field 99.200-990: User-defined fields**

Short name: **UDF**

Long name: **UserDefinedFields**

**Field 99.996: Image hash**

Short name: **HAS**

Long name: **ImageHashValue**

**Field 99.997: Original image reference**

Short name: **OIR**

Long name: **OriginalImageReferenceValue**

**Field 99.998: Geographic sample location**

Short name: **GEO**

Long name: **GeographicReference**

**Subfields**

Short name: **GRT** Long name: **GeographicReferenceText**

Short name: **DEG** Long name: **DegreeValue**

Short name: **DMS** Long name: **DegreeMinuteSecondValue**

**Field 99.999: Biometric data block**

Short name: **BDB**

Long name: **BinaryBase64Object**