

ANSI/NIST-ITL 1-2000

Data Format for the Interchange of Fingerprint, Facial, & Scar Mark & Tattoo (SMT) Information

XML Recommendation : December 5-6, 2005

XML EXAMPLE INSTANCE DOCUMENT

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Package wrapper: NIST-ITLBiometricInformationExchangePackage

```
<?xml version="1.0" encoding="UTF-8"?>
<NIST-ITLBiometricInformationExchangePackage xmlns="http://fingerprint.nist.gov/itl-1-2000"
  xmlns:nist=http://fingerprint.nist.gov/itl-1-2000
  xmlns:j="http://www.it.ojp.gov/jxdm/3.0.2"
  xmlns:efts=http://home.leo.gov/lesig/cjis/iafis-efts-7.00
  xmlns:user="http://www.user.org"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://fingerprint.nist.gov/itl-1-2000 file:ITL-Package.xsd">
```

Record Type 01: ITLTransactionInformationRecord

```
<!-- ===== -->
<!-- RECORD TYPE 01 -->
<!-- ===== -->
<ITLTransactionInformationRecord nist:typeCode="01">
  <LogicalRecordLength nist:fieldID="1.001" nist:fieldMnemonic="LEN">385938</LogicalRecordLength>
  <ITLVersionNumber nist:fieldID="1.002" nist:fieldMnemonic="VER">
    <ITLMajorVersionNumber>03</ITLMajorVersionNumber>
    <ITLMinorVersionNumber>00</ITLMinorVersionNumber>
  </ITLVersionNumber>
  <PackageContentSummary nist:fieldID="1.003" nist:fieldMnemonic="CNT">
    <PackageContentFirstRecord>
      <RecordTypeCode>01</RecordTypeCode>
      <PackageRecordCount>15</PackageRecordCount>
    </PackageContentFirstRecord>
    <PackageContentDataRecord>
      <RecordTypeCode>02</RecordTypeCode>
      <ImageDesignationCharacter>00</ImageDesignationCharacter>
    </PackageContentDataRecord>
    <PackageContentDataRecord>
      <RecordTypeCode>03</RecordTypeCode>
      <ImageDesignationCharacter>01</ImageDesignationCharacter>
    </PackageContentDataRecord>
    <PackageContentDataRecord>
      <RecordTypeCode>04</RecordTypeCode>
      <ImageDesignationCharacter>01</ImageDesignationCharacter>
    </PackageContentDataRecord>
    <PackageContentDataRecord>
      <RecordTypeCode>05</RecordTypeCode>
      <ImageDesignationCharacter>01</ImageDesignationCharacter>
    </PackageContentDataRecord>
  </PackageContentSummary>
</ITLTransactionInformationRecord>
```

```
<RecordTypeCode>06</RecordTypeCode>
  <ImageDesignationCharacter>01</ImageDesignationCharacter>
</PackageContentDataRecord>
<PackageContentDataRecord>
  <RecordTypeCode>07</RecordTypeCode>
  <ImageDesignationCharacter>01</ImageDesignationCharacter>
</PackageContentDataRecord>
<PackageContentDataRecord>
  <RecordTypeCode>08</RecordTypeCode>
  <ImageDesignationCharacter>01</ImageDesignationCharacter>
</PackageContentDataRecord>
<PackageContentDataRecord>
  <RecordTypeCode>08</RecordTypeCode>
  <ImageDesignationCharacter>01</ImageDesignationCharacter>
</PackageContentDataRecord>
<PackageContentDataRecord>
  <RecordTypeCode>09</RecordTypeCode>
  <ImageDesignationCharacter>01</ImageDesignationCharacter>
</PackageContentDataRecord>
<PackageContentDataRecord>
  <RecordTypeCode>10</RecordTypeCode>
  <ImageDesignationCharacter>01</ImageDesignationCharacter>
</PackageContentDataRecord>
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  <RecordTypeCode>10</RecordTypeCode>
  <ImageDesignationCharacter>01</ImageDesignationCharacter>
</PackageContentDataRecord>
<PackageContentDataRecord>
  <RecordTypeCode>13</RecordTypeCode>
  <ImageDesignationCharacter>01</ImageDesignationCharacter>
</PackageContentDataRecord>
<PackageContentDataRecord>
  <RecordTypeCode>14</RecordTypeCode>
  <ImageDesignationCharacter>01</ImageDesignationCharacter>
</PackageContentDataRecord>
<PackageContentDataRecord>
  <RecordTypeCode>15</RecordTypeCode>
  <ImageDesignationCharacter>01</ImageDesignationCharacter>
</PackageContentDataRecord>
<PackageContentDataRecord>
  <RecordTypeCode>16</RecordTypeCode>
  <ImageDesignationCharacter>01</ImageDesignationCharacter>
</PackageContentDataRecord>
</PackageContentSummary>
<TransactionType nist:fieldID="1.004" nist:fieldMnemonic="TOT">CRT</TransactionType>
<TransactionDate nist:fieldID="1.005" nist:fieldMnemonic="DAT">2005-11-05</TransactionDate>
```

```
<TransactionPriority nist:fieldID="1.006" nist:fieldMnemonic="PRY">10</TransactionPriority>
<DestinationAgency nist:fieldID="1.007" nist:fieldMnemonic="DAI">
  <j:OrganizationName>WI Crime Information Bureau</j:OrganizationName>
  <j:OrganizationORIID>
    <j:ID>WI013415Y</j:ID>
  </j:OrganizationORIID>
</DestinationAgency>
<OriginatingAgency nist:fieldID="1.008" nist:fieldMnemonic="ORI">
  <j:OrganizationName>WI Crime Information Bureau</j:OrganizationName>
  <j:OrganizationORIID>
    <j:ID>WI013415Y</j:ID>
  </j:OrganizationORIID>
</OriginatingAgency>
<TransactionControlNumber nist:fieldID="1.009" nist:fieldMnemonic="TCN">56839</TransactionControlNumber>
<TransactionControlReference nist:fieldID="1.010" nist:fieldMnemonic="TCR">29385</TransactionControlReference>
<NativeScanningResolution nist:fieldID="1.011" nist:fieldMnemonic="NSR">19.69</NativeScanningResolution>
<NominalTransmittingResolution nist:fieldID="1.012" nist:fieldMnemonic="NTR">19.69</NominalTransmittingResolution>
<ITLDomain nist:fieldID="1.013" nist:fieldMnemonic="DOM">
  <ITLDomainFormattingAgencyName>NORAM</ITLDomainFormattingAgencyName>
  <ITLDomainVersionNumber>7.00</ITLDomainVersionNumber>
</ITLDomain>
<GreenwichMeanTime nist:fieldID="1.014" nist:fieldMnemonic="GMT">2005-11-05T05:25:00Z</GreenwichMeanTime>
<CharacterSetDirectory nist:fieldID="1.015" nist:fieldMnemonic="DCS">
  <CharacterSetDetail>
    <CharacterSetIndexCode>000</CharacterSetIndexCode>
    <CharacterSetCommonNameText>ASCII 7-bit English</CharacterSetCommonNameText>
    <CharacterSetVersionNumber>000</CharacterSetVersionNumber>
  </CharacterSetDetail>
</CharacterSetDirectory>
</ITLTransactionInformationRecord>
```

Record Type 02: ITLUserDefinedDescriptiveTextRecord

```
<!-- ===== -->
<!--          RECORD TYPE 02          -->
<!-- ===== -->
<ITLUserDefinedDescriptiveTextRecord nist:typeCode="02">
  <LogicalRecordLength nist:fieldID="2.001" nist:fieldMnemonic="LEN">28439</LogicalRecordLength>
  <ImageDesignationCharacter nist:fieldID="2.002" nist:fieldMnemonic="IDC">00</ImageDesignationCharacter>
  <UserDefinedDescriptiveText>
    <DomainDefinedDescriptiveText>
      <efts:Fields>Domain-standard Data</efts:Fields>
    </DomainDefinedDescriptiveText>
    <OtherDescriptiveText>
      <user:Fields>Locally-extended Data</user:Fields>
    </OtherDescriptiveText>
  </UserDefinedDescriptiveText>
</ITLUserDefinedDescriptiveTextRecord>
```

Record Type 03: *ITLFingerprintImageRecord Low-resolution Grayscale*

```
<!-- ===== -->
<!-- RECORD TYPE 03 -->
<!-- ===== -->
<ITLFingerprintImageRecord nist:typeCode="03" nist:typeText="Low Resolution Grayscale
Fingerprint Image Record">
  <LogicalRecordLength nist:fieldMnemonic="LEN">28439</LogicalRecordLength>
  <ImageDesignationCharacterByte nist:fieldMnemonic="IDC">01</ImageDesignationCharacterByte>
  <PersonFingerprint>
    <FingerImpressionTypeCode nist:fieldMnemonic="IMP">3</FingerImpressionTypeCode>
    <FingerPosition nist:fieldMnemonic="FGP">
      <FingerPositionCode>2</FingerPositionCode>
      <FingerPositionCode>3</FingerPositionCode>
      <FingerPositionCode>255</FingerPositionCode>
      <FingerPositionCode>255</FingerPositionCode>
      <FingerPositionCode>255</FingerPositionCode>
    </FingerPosition>
  </PersonFingerprint>
  <Image>
    <ImageScanningResolutionCode nist:fieldMnemonic="ISR">1</ImageScanningResolutionCode>
    <ImageHorizontalLineLength nist:fieldMnemonic="HLL">80</ImageHorizontalLineLength>
    <ImageVerticalLineLength nist:fieldMnemonic="VLL">65</ImageVerticalLineLength>
    <ImageCompressionAlgorithmCode nist:fieldMnemonic="GCA">2</ImageCompressionAlgorithmCode>
    <ImageObject.Base64> mrHbPdrko3uls7ahtgPBjtm0ls85tfG2U7bpofY9
      4Czu2SbY7d7wF9fQ7ZptgGrtk02a2dsJ7wZbe 8BlzvAmQ7xq+Y94GoHeEsR3ikWd4DIGhzmp3k42
      d4DRmzs94DKveDTB3hqw6PeBLrtpPep0H/+h </ImageObject.Base64>
  </Image>
</ITLFingerprintImageRecord>
```

Record Type 04: *ITLFingerprintImageRecord High-resolution Grayscale*

```
<!-- ===== -->
<!-- RECORD TYPE 04 -->
<!-- ===== -->
<ITLFingerprintImageRecord nist:typeCode="04" nist:typeText="High Resolution Grayscale
Fingerprint Image Record">
  <LogicalRecordLength nist:fieldMnemonic="LEN">28439</LogicalRecordLength>
  <ImageDesignationCharacterByte nist:fieldMnemonic="IDC">01</ImageDesignationCharacterByte>
  <PersonFingerprint>
    <FingerImpressionTypeCode nist:fieldMnemonic="IMP">3</FingerImpressionTypeCode>
    <FingerPosition nist:fieldMnemonic="FGP">
      <FingerPositionCode>2</FingerPositionCode>
      <FingerPositionCode>3</FingerPositionCode>
      <FingerPositionCode>255</FingerPositionCode>
      <FingerPositionCode>255</FingerPositionCode>
      <FingerPositionCode>255</FingerPositionCode>
    </FingerPosition>
  </PersonFingerprint>
  <Image>
    <ImageScanningResolutionCode nist:fieldMnemonic="ISR">1</ImageScanningResolutionCode>
    <ImageHorizontalLineLength nist:fieldMnemonic="HLL">80</ImageHorizontalLineLength>
    <ImageVerticalLineLength nist:fieldMnemonic="VLL">65</ImageVerticalLineLength>
    <ImageCompressionAlgorithmCode nist:fieldMnemonic="GCA">2</ImageCompressionAlgorithmCode>
    <ImageObject.Base64> mrHbPdrko3uls7ahtgPBjtm0ls85tfG2U7bpofY9
      4Czu2SbY7d7wF9fQ7ZptgGrtk02a2dsJ7wZbe 8BlzvAmQ7xq+Y94GoHeEsR3ikWd4DIGhzmp3k42
      d4DRmzs94DKveDTB3hqw6PeBLrtpPep0H/+h </ImageObject.Base64>
  </Image>
</ITLFingerprintImageRecord>
```

Record Type 05: *ITLFingerprintImageRecord Low-resolution Binary*

```
<!-- ===== -->
<!-- RECORD TYPE 05 -->
<!-- ===== -->
<ITLFingerprintImageRecord nist:typeCode="05" nist:typeText="Low Resolution Binary Fingerprint
Image Record">
  <LogicalRecordLength nist:fieldMnemonic="LEN">28439</LogicalRecordLength>
  <ImageDesignationCharacterByte nist:fieldMnemonic="IDC">01</ImageDesignationCharacterByte>
  <PersonFingerprint>
    <FingerImpressionTypeCode nist:fieldMnemonic="IMP">3</FingerImpressionTypeCode>
    <FingerPosition nist:fieldMnemonic="FGP">
      <FingerPositionCode>2</FingerPositionCode>
      <FingerPositionCode>3</FingerPositionCode>
      <FingerPositionCode>255</FingerPositionCode>
      <FingerPositionCode>255</FingerPositionCode>
      <FingerPositionCode>255</FingerPositionCode>
    </FingerPosition>
  </PersonFingerprint>
  <Image>
    <ImageScanningResolutionCode nist:fieldMnemonic="ISR">1</ImageScanningResolutionCode>
    <ImageHorizontalLineLength nist:fieldMnemonic="HLL">80</ImageHorizontalLineLength>
    <ImageVerticalLineLength nist:fieldMnemonic="VLL">65</ImageVerticalLineLength>
    <ImageCompressionAlgorithmCode nist:fieldMnemonic="BCA">0</ImageCompressionAlgorithmCode>
    <ImageObject.Base64> mrHbPdrko3uls7ahtgPBjtm0ls85tfG2U7bpofY9
      4Czu2SbY7d7wF9fQ7ZptgGrtk02a2dsJ7wZbe 8BlzvAmQ7xq+Y94GoHeEsR3ikWd4DIGhzmp3k42
      d4DRmzs94DKveDTB3hqw6PeBLrtpPep0H/+h </ImageObject.Base64>
  </Image>
</ITLFingerprintImageRecord>
```


Record Type 06: *ITLFingerprintImageRecord High-resolution Binary*

```
<!-- ===== -->
<!-- RECORD TYPE 06 -->
<!-- ===== -->
<ITLFingerprintImageRecord nist:typeCode="06" nist:typeText="High Resolution Binary Fingerprint
Image Record">
  <LogicalRecordLength nist:fieldMnemonic="LEN">28439</LogicalRecordLength>
  <ImageDesignationCharacterByte nist:fieldMnemonic="IDC">01</ImageDesignationCharacterByte>
  <PersonFingerprint>
    <FingerImpressionTypeCode nist:fieldMnemonic="IMP">3</FingerImpressionTypeCode>
    <FingerPosition nist:fieldMnemonic="FGP">
      <FingerPositionCode>2</FingerPositionCode>
      <FingerPositionCode>3</FingerPositionCode>
      <FingerPositionCode>255</FingerPositionCode>
      <FingerPositionCode>255</FingerPositionCode>
      <FingerPositionCode>255</FingerPositionCode>
    </FingerPosition>
  </PersonFingerprint>
  <Image>
    <ImageScanningResolutionCode nist:fieldMnemonic="ISR">1</ImageScanningResolutionCode>
    <ImageHorizontalLineLength nist:fieldMnemonic="HLL">80</ImageHorizontalLineLength>
    <ImageVerticalLineLength nist:fieldMnemonic="VLL">65</ImageVerticalLineLength>
    <ImageCompressionAlgorithmCode nist:fieldMnemonic="BCA">0</ImageCompressionAlgorithmCode>
    <ImageObject.Base64> mrHbPdrko3uls7ahtgPBjtm0ls85tfG2U7bpofY9
      4Czu2SbY7d7wF9fQ7ZptgGrtk02a2dsJ7wZbe 8BlzvAmQ7xq+Y94GoHeEsR3ikWd4DIGhzmp3k42
      d4DRmzs94DKveDTB3hqw6PeBLrtpPep0H/+h </ImageObject.Base64>
  </Image>
</ITLFingerprintImageRecord>
```

Record Type 07: *ITLUserDefinedImageRecord*****

```
<!-- ===== -->  
<!--                          RECORD TYPE 07                          -->  
<!-- ===== -->  
<ITLUserDefinedImageRecord nist:typeCode="07">  
    <LogicalRecordLength>28439</LogicalRecordLength>  
    <ImageDesignationCharacterByte>01</ImageDesignationCharacterByte>  
    <UserDefinedFields>  
        <user:Fields>User Data</user:Fields>  
    </UserDefinedFields>  
</ITLUserDefinedImageRecord>
```

Record Type 08: ITLSignatureImageRecord Digital Image

```
<!-- ===== -->
<!--          RECORD TYPE 08 with Digital Image          -->
<!-- ===== -->
<ITLSignatureImageRecord nist:typeCode="08">
  <LogicalRecordLength nist:fieldMnemonic="LEN">28439</LogicalRecordLength>
  <ImageDesignationCharacterByte nist:fieldMnemonic="IDC">00</ImageDesignationCharacterByte>
  <PersonSignature>
    <SignatureTypeCode nist:fieldMnemonic="SIG">0</SignatureTypeCode>
  </PersonSignature>
  <SignatureRepresentationCode nist:fieldMnemonic="SRT">1</SignatureRepresentationCode>
  <SignatureRepresentation>
    <Image>
      <ImageScanningResolutionCode nist:fieldMnemonic="ISR">0</ImageScanningResolutionCode>
      <ImageHorizontalLineLength nist:fieldMnemonic="HLL">80</ImageHorizontalLineLength>
      <ImageVerticalLineLength nist:fieldMnemonic="VLL">65</ImageVerticalLineLength>
      <ImageObject.Base64> mrHbPdrko3uls7ahtgPBjtm01s85tfG2U7bpofY9
        4Czu2SbY7d7wF9fQ7ZptgGrtkO2a2dsJ7wZbe 8BlzvAmQ7xq+Y94GoHeEsR3ikWd4DIGhzmp3k42
        d4DRmzs94DKveDTB3hqw6PeBLrtpPep0H/+h </ImageObject.Base64>
    </Image>
  </SignatureRepresentation>
</ITLSignatureImageRecord>
```

Record Type 08: *ITLSignatureImageRecord Vector Image*

```
<!-- ===== -->
<!-- RECORD TYPE 08 with Vector Image -->
<!-- ===== -->
<ITLSignatureImageRecord nist:typeCode="08">
  <LogicalRecordLength nist:fieldMnemonic="LEN">28439</LogicalRecordLength>
  <ImageDesignationCharacterByte nist:fieldMnemonic="IDC">00</ImageDesignationCharacterByte>
  <PersonSignature>
    <SignatureTypeCode nist:fieldMnemonic="SIG">0</SignatureTypeCode>
  </PersonSignature>
  <SignatureRepresentationCode nist:fieldMnemonic="SRT">2</SignatureRepresentationCode>
  <SignatureRepresentation>
    <SignatureVectorImage>
      <SignatureVectorDetail>
        <XCoordinate>0</XCoordinate>
        <YCoordinate>0</YCoordinate>
        <PenPressure>254</PenPressure>
      </SignatureVectorDetail>
      <SignatureVectorDetail>
        <XCoordinate>5</XCoordinate>
        <YCoordinate>5</YCoordinate>
        <PenPressure>1</PenPressure>
      </SignatureVectorDetail>
    </SignatureVectorImage>
  </SignatureRepresentation>
</ITLSignatureImageRecord>
```

Record Type 09: *ITLFingerprintMinutiaeRecord*

```
<!-- ===== -->
<!-- RECORD TYPE 09 -->
<!-- ===== -->
<ITLFingerprintMinutiaeRecord nist:typeText="09">
  <LogicalRecordLength nist:fieldID="9.001" nist:fieldMnemonic="LEN">54839</LogicalRecordLength>
  <ImageDesignationCharacter nist:fieldID="9.002" nist:fieldMnemonic="IDC">01</ImageDesignationCharacter>
  <FingerOrPalmImpressionTypeCode nist:fieldID="9.003" nist:fieldMnemonic="IMP">4</FingerOrPalmImpressionTypeCode>
  <FingerOrPalmPosition nist:fieldID="9.006" nist:fieldMnemonic="FGP">
    <FingerPositionCode>5</FingerPositionCode>
    <FingerPositionCode>6</FingerPositionCode>
  </FingerOrPalmPosition>
  <FingerOrPalmCharacteristics>
    <MinutiaeFormatCode nist:fieldID="9.004" nist:fieldMnemonic="FMT">S</MinutiaeFormatCode>
    <MinutiaeReadingSystem nist:fieldID="9.005" nist:fieldMnemonic="OFR">
      <MinutiaeReadingSystemName>Universal Latent Workstation</MinutiaeReadingSystemName>
      <MinutiaeCodingMethodCode>E</MinutiaeCodingMethodCode>
      <MinutiaeReadingSubsystemID>
        <j:ID>AA</j:ID>
      </MinutiaeReadingSubsystemID>
    </MinutiaeReadingSystem>
    <FingerPattern nist:fieldID="9.007" nist:fieldMnemonic="FPC">
      <FingerPatternDetail>
        <FingerPatternCodeSourceCode>T</FingerPatternCodeSourceCode>
        <FingerPatternCode>PW</FingerPatternCode>
      </FingerPatternDetail>
    </FingerPattern>
    <PatternCorePosition nist:fieldID="9.008" nist:fieldMnemonic="CRP">
      <PatternPositionDetail>
        <XCoordinate>0035</XCoordinate>
        <YCoordinate>0045</YCoordinate>
      </PatternPositionDetail>
      <PatternPositionDetail>
        <XCoordinate>0038</XCoordinate>
        <YCoordinate>0048</YCoordinate>
      </PatternPositionDetail>
    </PatternCorePosition>
    <PatternDeltaPosition nist:fieldID="9.009" nist:fieldMnemonic="DLT">
      <PatternPositionDetail>
        <XCoordinate>0158</XCoordinate>
        <YCoordinate>1948</YCoordinate>
      </PatternPositionDetail>
    </PatternDeltaPosition>
  </FingerOrPalmCharacteristics>
</ITLFingerprintMinutiaeRecord>
```

```
<MinutiaeCount nist:fieldID="9.010" nist:fieldMnemonic="MIN">2</MinutiaeCount>
<MinutiaeRidgeCountIndicatorCode nist:fieldID="9.011"
nist:fieldMnemonic="RDG">1</MinutiaeRidgeCountIndicatorCode>
<MinutiaeAndRidgeCountData nist:fieldID="9.012" nist:fieldMnemonic="MRC">
  <MinutiaAndRidgeCountDetail>
    <MinutiaIndexNumber>1</MinutiaIndexNumber>
    <MinutiaLocationDetail>
      <XCoordinate>0486</XCoordinate>
      <YCoordinate>2839</YCoordinate>
      <ThetaAngle>048</ThetaAngle>
    </MinutiaLocationDetail>
    <MinutiaQualityMeasure>1</MinutiaQualityMeasure>
    <MinutiaTypeCode>B</MinutiaTypeCode>
    <MinutiaRidgeCountData>
      <MinutiaRidgeCountDetail>
        <MinutiaIndexNumber>2</MinutiaIndexNumber>
        <MinutiaRidgeCount>6</MinutiaRidgeCount>
      </MinutiaRidgeCountDetail>
    </MinutiaRidgeCountData>
  </MinutiaAndRidgeCountDetail>
  <MinutiaAndRidgeCountDetail>
    <MinutiaIndexNumber>2</MinutiaIndexNumber>
    <MinutiaLocationDetail>
      <XCoordinate>4859</XCoordinate>
      <YCoordinate>0473</YCoordinate>
      <ThetaAngle>256</ThetaAngle>
    </MinutiaLocationDetail>
    <MinutiaRidgeCountData>
      <MinutiaRidgeCountDetail>
        <MinutiaIndexNumber>1</MinutiaIndexNumber>
        <MinutiaRidgeCount>6</MinutiaRidgeCount>
      </MinutiaRidgeCountDetail>
    </MinutiaRidgeCountData>
  </MinutiaAndRidgeCountDetail>
</MinutiaeAndRidgeCountData>
</FingerOrPalmCharacteristics>
</ITLFingerprintMinutiaeRecord>
```

Record Type 10: *ITLFacialAndSMTImageRecord Facial Image*

```
<!-- ===== -->
<!-- RECORD TYPE 10 with Digital Facial Image -->
<!-- ===== -->
<ITLFacialAndSMTImageRecord nist:typeCode="10">
  <LogicalRecordLength nist:fieldID="10.001" nist:fieldMnemonic="LEN">3984</LogicalRecordLength>
  <ImageDesignationCharacter nist:fieldID="10.002" nist:fieldMnemonic="IDC">01</ImageDesignationCharacter>
  <SourceAgency nist:fieldID="10.004" nist:fieldMnemonic="SRC">
    <j:OrganizationName>WI Crime Information Bureau</j:OrganizationName>
    <j:OrganizationORIID>
      <j:ID>WI013415Y</j:ID>
    </j:OrganizationORIID>
  </SourceAgency>
  <PhotoCaptureDate nist:fieldID="10.005" nist:fieldMnemonic="PHD">1953-04-23</PhotoCaptureDate>
  <ImageTypeCode nist:fieldID="10.003" nist:fieldMnemonic="IMT">FACE</ImageTypeCode>
  <PersonFacialFeatures nist:fieldID="10.022" nist:fieldMnemonic="PXS">
    <FacialAttribute>
      <FacialAttributeCode>GLASSES</FacialAttributeCode>
    </FacialAttribute>
    <FacialAttribute>
      <FacialAttributeCode>OTHER</FacialAttributeCode>
      <FacialAttributeText>SKI MASK</FacialAttributeText>
    </FacialAttribute>
    <FacialAttribute>
      <FacialAttributeCode>PHYSICAL</FacialAttributeCode>
      <FacialAttributeText>ART EYE</FacialAttributeText>
    </FacialAttribute>
  </PersonFacialFeatures>
  <UserDefinedFields>
    <user:Field01>User Data</user:Field01>
  </UserDefinedFields>
  <PersonDigitalFaceImage>
    <ImageSubjectPoseCode nist:fieldID="10.020" nist:fieldMnemonic="POS">A</ImageSubjectPoseCode>
    <ImagePoseOffsetAngle nist:fieldID="10.021" nist:fieldMnemonic="POA">-45</ImagePoseOffsetAngle>
    <Image>
      <ImageHorizontalLineLength nist:fieldID="10.006" nist:fieldMnemonic="HLL">80</ImageHorizontalLineLength>
      <ImageVerticalLineLength nist:fieldID="10.007" nist:fieldMnemonic="VLL">65</ImageVerticalLineLength>
      <ImageScaleUnitsCode nist:fieldID="10.008" nist:fieldMnemonic="SLC">1</ImageScaleUnitsCode>
      <ImageHorizontalPixelScale nist:fieldID="10.009" nist:fieldMnemonic="HPS">1200</ImageHorizontalPixelScale>
      <ImageVerticalPixelScale nist:fieldID="10.010" nist:fieldMnemonic="VPS">1200</ImageVerticalPixelScale>
      <ImageCompressionAlgorithmText nist:fieldID="10.011"
nist:fieldMnemonic="CGA">JPEGB</ImageCompressionAlgorithmText>
      <ImageColorSpaceCode nist:fieldID="10.012" nist:fieldMnemonic="CSP">YCC</ImageColorSpaceCode>
    </Image>
  </PersonDigitalFaceImage>
</ITLFacialAndSMTImageRecord>
```

```
<ImageObject.Base64 nist:fieldID="10.999" nist:fieldMnemonic="DAT">  
  mrHbPdrko3uls7ahtgPBjtm0ls85tfG2U7bpofY9 4Czu2SbY7d7wF9fQ7ZptgGrtk02a2dsJ7wZbe  
  8BlzvAmQ7xq+Y94GoHeEsR3ikWd4DIGhzmp3k42 d4DRmzs94DKveDTB3hqw6PeBLrtpPep0H/+h  
</ImageObject.Base64>  
</Image>  
</PersonDigitalFaceImage>  
</ITLFacialAndSMTImageRecord>
```


Record Type 10: *ITLFacialAndSMTImageRecord SMT Image*

```
<!-- ===== -->
<!-- RECORD TYPE 10 with Scar, Mark, Tattoo Image -->
<!-- ===== -->
<ITLFacialAndSMTImageRecord nist:typeCode="10">
  <LogicalRecordLength nist:fieldID="10.001" nist:fieldMnemonic="LEN">3984</LogicalRecordLength>
  <ImageDesignationCharacter nist:fieldID="10.002" nist:fieldMnemonic="IDC">01</ImageDesignationCharacter>
  <SourceAgency nist:fieldID="10.004" nist:fieldMnemonic="SRC">
    <j:OrganizationName>WI Crime Information Bureau</j:OrganizationName>
    <j:OrganizationORIID>
      <j:ID>WI013415Y</j:ID>
    </j:OrganizationORIID>
  </SourceAgency>
  <PhotoCaptureDate nist:fieldID="10.005" nist:fieldMnemonic="PHD">1953-04-23</PhotoCaptureDate>
  <ImageTypeCode nist:fieldID="10.003" nist:fieldMnemonic="IMT">TATTOO</ImageTypeCode>
  <PersonPhysicalFeature>
    <NCICPhysicalFeatureDesignation nist:fieldID="10.040" nist:fieldMnemonic="SMT">
      <j:PhysicalFeatureTypeCode>TAT L TOE</j:PhysicalFeatureTypeCode>
      <j:PhysicalFeatureTypeCode>TAT FARM</j:PhysicalFeatureTypeCode>
    </NCICPhysicalFeatureDesignation>
    <PhysicalFeatureSize nist:fieldID="10.041" nist:fieldMnemonic="SMS">
      <PhysicalFeatureHeightMeasure>112</PhysicalFeatureHeightMeasure>
      <PhysicalFeatureWidthMeasure>15</PhysicalFeatureWidthMeasure>
    </PhysicalFeatureSize>
    <PhysicalFeatureDescriptors nist:fieldID="10.042" nist:fieldMnemonic="SMD">
      <PhysicalFeatureDescriptorDetail>
        <PhysicalFeatureCategoryCode>TATTOO</PhysicalFeatureCategoryCode>
        <TattooClassCode>ANIMAL</TattooClassCode>
        <TattooSubClassCode>DOG</TattooSubClassCode>
        <j:PhysicalFeatureDescriptionText>golden retriever with an overbite</j:PhysicalFeatureDescriptionText>
        <PhysicalFeatureColor nist:fieldID="10.043" nist:fieldMnemonic="COL">
          <PhysicalFeaturePrimaryColorCode>ORANGE</PhysicalFeaturePrimaryColorCode>
          <PhysicalFeatureSecondaryColorCode>BLACK</PhysicalFeatureSecondaryColorCode>
        </PhysicalFeatureColor>
      </PhysicalFeatureDescriptorDetail>
    </PhysicalFeatureDescriptors>
  </PersonPhysicalFeature>
  <UserDefinedFields>
    <user:Field01>User Data</user:Field01>
  </UserDefinedFields>
  <Image>
    <ImageHorizontalLineLength nist:fieldID="10.006" nist:fieldMnemonic="HLL">80</ImageHorizontalLineLength>
    <ImageVerticalLineLength nist:fieldID="10.007" nist:fieldMnemonic="VLL">65</ImageVerticalLineLength>
```

```
<ImageScaleUnitsCode nist:fieldID="10.008" nist:fieldMnemonic="SLC">1</ImageScaleUnitsCode>
<ImageHorizontalPixelScale nist:fieldID="10.009" nist:fieldMnemonic="HPS">1200</ImageHorizontalPixelScale>
<ImageVerticalPixelScale nist:fieldID="10.010" nist:fieldMnemonic="VPS">1200</ImageVerticalPixelScale>
<ImageCompressionAlgorithmText nist:fieldID="10.011"
nist:fieldMnemonic="CGA">JPEGB</ImageCompressionAlgorithmText>
<ImageColorSpaceCode nist:fieldID="10.012" nist:fieldMnemonic="CSP">YCC</ImageColorSpaceCode>
<ImageObject.Base64 nist:fieldID="10.999" nist:fieldMnemonic="DAT">
  mrHbPdrko3u1s7ahtgPBjtm01s85tfG2U7bpofY9 4Czu2SbY7d7wF9fQ7ZptgGrtkO2a2dsJ7wZbe
  8BlzvAmQ7xq+Y94GoHeEsR3ikWd4DIGhzmp3k42 d4DRmzs94DKveDTB3hqw6PeBLrtpPep0H/+h
</ImageObject.Base64>
</Image>
</ITLFacialAndSMTImageRecord>
```

Record Type 13: *ITLLatentprintImageRecord*

```
<!-- ===== -->
<!-- RECORD TYPE 13 -->
<!-- ===== -->
<ITLLatentprintImageRecord nist:typeText="13">
  <LogicalRecordLength nist:fieldID="13.001" nist:fieldMnemonic="LEN">28439</LogicalRecordLength>
  <ImageDesignationCharacter nist:fieldID="13.002" nist:fieldMnemonic="IDC">01</ImageDesignationCharacter>
  <SourceAgency nist:fieldID="13.004" nist:fieldMnemonic="SRC">
    <j:OrganizationName>WI Crime Information Bureau</j:OrganizationName>
    <j:OrganizationORIID>
      <j:ID>WI013415Y</j:ID>
    </j:OrganizationORIID>
  </SourceAgency>
  <LatentprintCaptureDate nist:fieldID="13.005" nist:fieldMnemonic="LCD">2005-11-15</LatentprintCaptureDate>
  <PersonLatentprint>
    <FingerOrPalmImpressionTypeCode nist:fieldID="13.003"
nist:fieldMnemonic="IMP">14</FingerOrPalmImpressionTypeCode>
    <FingerOrPalmPosition nist:fieldID="13.013" nist:fieldMnemonic="FGP">
      <FingerPositionCode>4</FingerPositionCode>
      <FingerPositionCode>5</FingerPositionCode>
      <PalmPositionCode>29</PalmPositionCode>
      <PalmPositionCode>23</PalmPositionCode>
    </FingerOrPalmPosition>
  </PersonLatentprint>
  <UserDefinedFields>
    <user:Fields>User Data</user:Fields>
  </UserDefinedFields>
  <Image>
    <ImageHorizontalLineLength nist:fieldID="13.006" nist:fieldMnemonic="HLL">80</ImageHorizontalLineLength>
    <ImageVerticalLineLength nist:fieldID="13.007" nist:fieldMnemonic="VLL">65</ImageVerticalLineLength>
    <ImageScaleUnitsCode nist:fieldID="13.008" nist:fieldMnemonic="SLC">1</ImageScaleUnitsCode>
    <ImageHorizontalPixelScale nist:fieldID="13.009" nist:fieldMnemonic="HPS">500</ImageHorizontalPixelScale>
    <ImageVerticalPixelScale nist:fieldID="13.010" nist:fieldMnemonic="VPS">500</ImageVerticalPixelScale>
    <ImageCompressionAlgorithmText nist:fieldID="13.011"
nist:fieldMnemonic="CGA">WSQ</ImageCompressionAlgorithmText>
    <ImageBitsPerPixel nist:fieldID="13.012" nist:fieldMnemonic="BPX">8</ImageBitsPerPixel>
    <ImageCommentText nist:fieldID="13.020" nist:fieldMnemonic="COM">A comment.</ImageCommentText>
    <ImageObject.Base64> mrHbPdrko3uls7ahtgPBjtm0ls85tfG2U7bpofY9
      4Czu2SbY7d7wF9fQ7ZptgGrtkO2a2dsJ7wZbe 8BlzvAmQ7xq+Y94GoHeEsR3ikWd4DIGhzmp3k42
      d4DRmzs94DKveDTB3hqw6PeBLrtpPep0H/+h </ImageObject.Base64>
  </Image>
</ITLLatentprintImageRecord>
```

Record Type 14: *ITLVariableResolutionFingerprintImageRecord*

```
<!-- ===== -->
<!-- RECORD TYPE 14 -->
<!-- ===== -->
<ITLVariableResolutionFingerprintImageRecord nist:typeCode="14">
  <LogicalRecordLength nist:fieldID="14.001" nist:fieldMnemonic="LEN">28439</LogicalRecordLength>
  <ImageDesignationCharacter nist:fieldID="14.002" nist:fieldMnemonic="IDC">01</ImageDesignationCharacter>
  <SourceAgency nist:fieldID="14.004" nist:fieldMnemonic="SRC">
    <j:OrganizationName>WI Crime Information Bureau</j:OrganizationName>
    <j:OrganizationORIID>
      <j:ID>WI013415Y</j:ID>
    </j:OrganizationORIID>
  </SourceAgency>
  <TenprintCaptureDate nist:fieldID="14.005" nist:fieldMnemonic="TCD">2005-11-15</TenprintCaptureDate>
  <PersonFingerprint>
    <FingerImpressionTypeCode nist:fieldID="14.003" nist:fieldMnemonic="IMP">1</FingerImpressionTypeCode>
    <FingerPosition nist:fieldID="14.013" nist:fieldMnemonic="FGP">
      <FingerPositionCode>4</FingerPositionCode>
      <FingerPositionCode>5</FingerPositionCode>
    </FingerPosition>
  </PersonFingerprint>
  <UserDefinedFields>
    <user:Fields>User Data</user:Fields>
  </UserDefinedFields>
  <Image>
    <ImageHorizontalLineLength nist:fieldID="14.006" nist:fieldMnemonic="HLL">80</ImageHorizontalLineLength>
    <ImageVerticalLineLength nist:fieldID="14.007" nist:fieldMnemonic="VLL">65</ImageVerticalLineLength>
    <ImageScaleUnitsCode nist:fieldID="14.008" nist:fieldMnemonic="SLC">1</ImageScaleUnitsCode>
    <ImageHorizontalPixelScale nist:fieldID="14.009" nist:fieldMnemonic="HPS">500</ImageHorizontalPixelScale>
    <ImageVerticalPixelScale nist:fieldID="14.010" nist:fieldMnemonic="VPS">500</ImageVerticalPixelScale>
    <ImageCompressionAlgorithmText nist:fieldID="14.011"
nist:fieldMnemonic="CGA">WSQ</ImageCompressionAlgorithmText>
    <ImageBitsPerPixel nist:fieldID="14.012" nist:fieldMnemonic="BPX">8</ImageBitsPerPixel>
    <ImageCommentText nist:fieldID="14.020" nist:fieldMnemonic="COM">A comment.</ImageCommentText>
    <ImageObject.Base64> mrHbPdrko3uls7ahtgPBjtm0ls85tfG2U7bpofY9
      4Czu2SbY7d7wF9fQ7ZptgGrtkO2a2dsJ7wZbe 8BlzvAmQ7xq+Y94GoHeEsR3ikWd4DIGhzmp3k42
      d4DRmzs94DKveDTB3hqw6PeBLrtpPep0H/+h </ImageObject.Base64>
  </Image>
</ITLVariableResolutionFingerprintImageRecord>
```

Record Type 15: *ITLPalmprintImageRecord*

```
<!-- ===== -->
<!-- RECORD TYPE 15 -->
<!-- ===== -->
<ITLPalmprintImageRecord nist:typeCode="15">
  <LogicalRecordLength nist:fieldID="15.001" nist:fieldMnemonic="LEN">28439</LogicalRecordLength>
  <ImageDesignationCharacter nist:fieldID="15.002" nist:fieldMnemonic="IDC">01</ImageDesignationCharacter>
  <SourceAgency nist:fieldID="15.004" nist:fieldMnemonic="SRC">
    <j:OrganizationName>WI Crime Information Bureau</j:OrganizationName>
    <j:OrganizationORIID>
      <j:ID>WI013415Y</j:ID>
    </j:OrganizationORIID>
  </SourceAgency>
  <PalmprintCaptureDate nist:fieldID="15.005" nist:fieldMnemonic="PCD">2005-11-15</PalmprintCaptureDate>
  <PersonPalmprint>
    <PalmImpressionTypeCode nist:fieldID="15.003" nist:fieldMnemonic="IMP">10</PalmImpressionTypeCode>
    <PalmPosition nist:fieldID="15.013" nist:fieldMnemonic="PLP">
      <PalmPositionCode>20</PalmPositionCode>
      <PalmPositionCode>21</PalmPositionCode>
    </PalmPosition>
  </PersonPalmprint>
  <UserDefinedFields>
    <user:Fields>User Data</user:Fields>
  </UserDefinedFields>
  <Image>
    <ImageHorizontalLineLength nist:fieldID="15.006" nist:fieldMnemonic="HLL">80</ImageHorizontalLineLength>
    <ImageVerticalLineLength nist:fieldID="15.007" nist:fieldMnemonic="VLL">65</ImageVerticalLineLength>
    <ImageScaleUnitsCode nist:fieldID="15.008" nist:fieldMnemonic="SLC">1</ImageScaleUnitsCode>
    <ImageHorizontalPixelScale nist:fieldID="15.009" nist:fieldMnemonic="HPS">500</ImageHorizontalPixelScale>
    <ImageVerticalPixelScale nist:fieldID="15.010" nist:fieldMnemonic="VPS">500</ImageVerticalPixelScale>
    <ImageCompressionAlgorithmText nist:fieldID="15.011"
nist:fieldMnemonic="CGA">WSQ</ImageCompressionAlgorithmText>
    <ImageBitsPerPixel nist:fieldID="15.012" nist:fieldMnemonic="BPX">8</ImageBitsPerPixel>
    <ImageCommentText nist:fieldID="15.020" nist:fieldMnemonic="COM">A comment.</ImageCommentText>
    <ImageObject.Base64> mrHbPdrko3uls7ahtgPBjtm0ls85tfG2U7bpofY9
      4Czu2SbY7d7wF9fQ7ZptgGrtkO2a2dsJ7wZbe 8BlzvAmQ7xq+Y94GoHeEsR3ikWd4DIGhzmp3k42
      d4DRmzs94DKveDTB3hqw6PeBLrtpPep0H/+h </ImageObject.Base64>
  </Image>
</ITLPalmprintImageRecord>
```

Record Type 16: *ITLTestImageRecord*

```
<!-- ===== -->
<!--          RECORD TYPE 16          -->
<!-- ===== -->
<ITLTestImageRecord nist:typeCode="16">
  <LogicalRecordLength nist:fieldID="16.001" nist:fieldMnemonic="LEN">4859</LogicalRecordLength>
  <ImageDesignationCharacter nist:fieldID="16.002" nist:fieldMnemonic="IDC">01</ImageDesignationCharacter>
  <UserDefinedFields>
    <user:Fields>User Data fields 16.003-005</user:Fields>
  </UserDefinedFields>
  <UserDefinedFields>
    <user:Fields>User Data fields 16.013-998</user:Fields>
  </UserDefinedFields>
  <Image>
    <ImageHorizontalLineLength nist:fieldID="16.006" nist:fieldMnemonic="HLL">80</ImageHorizontalLineLength>
    <ImageVerticalLineLength nist:fieldID="16.007" nist:fieldMnemonic="VLL">65</ImageVerticalLineLength>
    <ImageScaleUnitsCode nist:fieldID="16.008" nist:fieldMnemonic="SLC">1</ImageScaleUnitsCode>
    <ImageHorizontalPixelScale nist:fieldID="16.009" nist:fieldMnemonic="HPS">500</ImageHorizontalPixelScale>
    <ImageVerticalPixelScale nist:fieldID="16.010" nist:fieldMnemonic="VPS">500</ImageVerticalPixelScale>
    <ImageCompressionAlgorithmText nist:fieldID="16.011"
nist:fieldMnemonic="CGA">WSQ</ImageCompressionAlgorithmText>
    <ImageBitsPerPixel nist:fieldID="16.012" nist:fieldMnemonic="BPX">8</ImageBitsPerPixel>
    <ImageObject.Base64> mrHbPdrko3uls7ahtgPBjtm0ls85tfG2U7bpofY9
      4Czu2SbY7d7wF9fQ7ZptgGrtkO2a2dsJ7wZbe 8BlzvAmQ7xq+Y94GoHeEsR3ikWd4DIGhzmp3k42
      d4DRmzs94DKveDTB3hqw6PeBLrtpPep0H/+h </ImageObject.Base64>
  </Image>
</ITLTestImageRecord>
</NIST-ITLBiometricInformationExchangePackage>
```