

AFIS/Criminal Livescan
INTERFACE CONTROL DOCUMENT
New Jersey State Police

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Revision History

Version	Date	Description	Author
2.0	February 3, 2015	Revised for NJSP AFIS upgrade. Older revision history may be found in the previous version.	PWS
2.1	February 3, 2015	Updates to be consistent with Data Dictionary.	AA
3.0	February 4, 2015	Presented to customer for approval.	
3.1	May 13, 2015	Removed exception (Sex Offender) from cross-dependency requirement between "Charge and Statute" (2.052) & "Arrest Charge Count" (2.053).	JDH
3.1b	June 2, 2015	Cleaned up some remnants of "FDR" references in instructions for "Reason Applicant Fingerprinted" (2.089) field.	JDH
3.1c	July 22, 2015	Added ANSI/NIST-ITL 1-2011 and NGI-DOC-01078-10.0 to referenced documents. Updated NIST formatting compliance references to ANSI/NIST-ITL 1-2011 .	JDH
3.2	July 29, 2015	Clean copy for customer presentation.	JDH
3.3	December 3, 2015	Livescan Submission section: Updated comment for field 2.043 to reflect that Card Type 'S' (Sex Offender) is submitted to the State Police.	PWS
3.4	April 7, 2016	Scope: Removed Card Type H. Type-1 and Type-2 Records: Changed Weight (field 2.029) range to 050-499. Updated Social Security Number (2.016) to be mandatory only for the Applicant Card Type and that it will be filled with "000-000-0000" for any transaction that is blank. Updated Place of Birth and Country of Citizenship to indicate that AFIS will populate with "YY" is missing or invalid. Updated Charge and Statute to indicate that the AFIS Charge Literal will be used if the LSS Charge Literal does not match exactly. Updated Charge Count to indicate that AFIS will prefill with zeroes any value that is less than three digits. Updated Race to indicate that AFIS will populate with "U" is missing or invalid. Updated Weight to indicate that AFIS will populate with "000" if missing or invalid. Updated Height to indicate that AFIS will populate with "000" if missing or invalid. Updated Eye Color to indicate that AFIS will populate with "XXX" if missing or invalid. Updated Hair Color to indicate that AFIS will populate with "XXX" if missing or invalid. Updated Charge and Statute by removing comment that one instance is required for SOR. Updated Contributor's Case Number to indicate that AFIS will populate if blank. Updated Booking Agency ORI to indicate this field mandatory for all Criminal Card Types.	PWS

Version	Date	Description	Author
3.5	June 17, 2016	Changed Date of Arrest (2.045) to optional for Sex Offender.	PWS
3.6	January 30, 2017	Added DNA Barcode (2.150) and Incident Address (2.151)	VBA

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1 Introduction

This document contains the format and content of the Livescan message which is the basis of all messages passed between the New Jersey State Police Store and Forward System and any external livescan or Enterprise Livescan Application (ELSA) devices.

1.1 Scope

This specification details the global content of the messages that originate and flow between the systems. The messages are compliant with the ANSI/NIST Format for the Exchange of Fingerprint Data, and to some extent are based on the Electronic Fingerprint Transmission Specification defined by the U.S. Department of Justice, Federal Bureau of Investigation.

The livescans have the ability to capture and transmit information defining submissions of a number of different types:

A	Applicant Transmitted	Q	Applicant Query
C	Criminal	R	Custody Receipt
F	Domestic Violence Final Order	N	Criminal Non-Criteria (not submitted to AFIS)
I	Criminal Inquiry	S	Sex Offender
J	Juvenile	U	Deceased / Unknown
D	DNA Only		

Each submission type has its unique data requirements which are defined in the Data Dictionary, Appendix D.

1.2 Reference Documents

The following documents were used in the preparation of the ICD:

- 1) Data Format for the Interchange of Fingerprint Information, National Institute of Standards and Technology (NIST) Document ANSI/NIST-ITL 1-2007
- 2) *American National Standard for Information Systems Data Format for the Interchange of Fingerprint, Facial & Other Biometric Information*, **ANSI/NIST-ITL 1-2011**, November, 2011.
- 3) Electronic Fingerprint Transmission Specification, Criminal Justice Information Services (CJIS), Federal Bureau of Investigation, Department of Justice, IAFIS-DOC-01078-7.1, May 2005
- 4) *Electronic Biometric Transmission Specification (EBTS)*, Version 10.0, **NGI-DOC-01078-10.0**, July 2, 2013
- 5) Descriptor Data Dictionary for New Jersey State Police AFIS Upgrade to MorphoBIS,

Document Number D330-017A

- 6) NJSP Scanning Device to FDR Interface Control Document for the Fully Integrated Fingerprint Identification System, Phase 2, Document No. D306-022A

2 General Information

2.1 ANSI/NIST Formatting

Each of the messages contained herein uses the tagged format defined in the ANSI/NIST-ITL 1-2011.

In the format tables under comment, where “any printable 7-bit ascii char” is allowed, lower case alpha characters are not included unless specified.

2.2 Available Card Types

- Applicant
- Applicant Query
- Criminal
- Criminal Inquiry
- Criminal Juvenile
- Sex Offender Registration
- Custody Receipt
- Domestic Violence Final Order Registration
- Criminal Non-Criteria
- DNA Only
- Deceased / Unknown

2.3 Unique Numbers

2.3.1 Transaction Control Number

Transaction Control Number (TCN) is the tracking number generated at the scanning device. It is composed of 3 subfields (date, time, and PCN) separated with R_s separators.

2.3.2 Process Control Number

The “Process Control Number (PCN)” appears as the 3rd subfield in the transaction_header field (1.09) of the Type 1 record. The PCN is derived by combining the “MUN, LSID and UNI” together as one element:

2.042 - Municipal # - **MUN** (4N)
Livescan ID - **LSID** (2N)
Value incremented for each transaction - **UNI** (6N)

3 NIST Data Format

3.1 Livescan Submission

3.1.1 Type-1 and Type-2 Records

The following is the detailed record layout of the Type-1 and Type-2 records that will be submitted from the livescan. It should be noted that several of the data fields defined in this record are generated by the livescan (i.e., current date) or are created using configurable data (i.e., ORI), or computed (i.e., logical record length), etc.

Tag #	Field Name	Table Name	Content	Comment	Card Type *Mandatory
1.01	Logical Record Length		1.01:[length] ^{G_S}	Total bytes in Type-1 record, including this field and all separators; up to (1-10 N)	*Mandatory on all card types Mug Photo
1.02	ANSI Version No.		1.02:0200 ^{G_S}	Version of ANSI Standard to which this interface complies.(4 N)	*Mandatory on all card types Mug Photo
1.03	File Content		1.03:1 ^{U_S} [# of records] ^{R_S 2^{U_S} [IDC]^{R_S 4^{U_S} [IDC] (2...14) {^{R_S 4^{U_S} [IDC]}^{R_S 8^{U_S} [IDC]^{R_S 10^{U_S} [IDC] (0...2) {^{R_S 10^{U_S} [IDC]}^{R_S 15^{U_S} [IDC] ...^{G_S}}}}}}}}	Required. Links this Type-1 record with succeeding records and counts succeeding records. 1 st image record and IDC. Succeeding image record #s (2, 4, 8, 10, 15, etc.) and IDCs.	*Mandatory on all card types Mug Photo
1.04	Type of Transaction		1.04:[TOT] ^{G_S}	Defines this file as a <u>Store and Forward to Criminal History</u> transaction (1-10 AN) From ILSS ILSS2SFU From Cross-Match SFUINSERT From Identix IDX2FDR	*Mandatory on all card types Mug Photo
1.05	File Date		1.05:[CCYYMMDD] ^{G_S}	Date message sent (8 N)	*Mandatory on all card types Mug Photo
1.06	Message Priority		1.06:1 ^{G_S}	Transaction priority (from 1 to 4) (1 N) Priority shall be set at 4. User shall not have the ability to change.	*Mandatory on all card types Mug Photo

Tag #	Field Name	Table Name	Content	Comment	Card Type *Mandatory
1.07	Message Destination		1.07: 54 ^{R_S} SFU ^{G_S}	AFIS Identifier (2 N) Destination Identifier. (1-9 AN)	*Mandatory on all card types Mug Photo
1.08	Message Origin		1.08: 54 ^{R_S} [originator id] ^{G_S}	AFIS Identifier (2 N) Origination identifier. (1-9 AN) Vendor-Specific (vendor shall contact NJSP)	*Mandatory on all card types Mug Photo
1.09	Transaction Control Number		1.09: [CCYYMMDD] ^{R_S} [hhmmss] ^{R_S} [MUN + LSID + UNI] ^{G_S}	Date, Time and PCN (26AN Total) ▪ Date message created at livescan (8 N) ▪ Time message created at livescan (6 N) ▪ Process Control Number (12 AN) MUN Municipal code for the booking site.(4 N) LSID (2 N) UNI (6 N)	*Mandatory on all card types Mug Photo
1.10	Transaction Reference Number (TCR)		1.10: [TCR] ^{G_S}	This field is included in resubmissions of applicant NFUF and contains the TCN as sent from IAFIS in the ERRT transaction (10-40ANS).	*Mandatory on Resubmissions Applicant
1.11	Native Scanning Resolution		1.11: [NSR] ^{G_S}	Native scanning resolution used to size the images correctly. (5NS) Special chars: period	*Mandatory on all card types with images
1.12	Nominal Transmitting Resolution		1.12: [NTR] ^{F_S}	Required. Nominal transmitting resolution used to size the images correctly. (5NS) Special chars: period	*Mandatory on all card types with images

Tag #	Field Name	Table Name	Content	Comment	Card Type *Mandatory
2.001	Logical Record Length		2.001: [length] ^{G_S}	Total bytes in Type-2 record, including this field and all separators; up to (up to 10N)	*Mandatory on all card types Mug Photo
2.002	Image Designation Character		2.002: 00 ^{G_S}	Identifies the image designation character. (2 N)	*Mandatory on all card types Mug Photo

Tag #	Field Name	Table Name	Content	Comment	Card Type *Mandatory
2.007	Send Copy To	ORI	2.007:[SCT] ^{G_S}	An NCIC-assigned ORI is entered here to designate where to send a copy of the response (9 AN).	All card types
2.009	Originating Agency ID	ORI	2.009:[ORIG 1 st field] ^{U_S} [ORIG 2 nd field] ^{G_S}	ORI CODE: A code uniquely identifying the arresting agency (9AN) ORI LITERAL: The literal name associated to the ORI CODE (1-45 ANS) Card Type Applicant will not be tabled. Free text.	*Mandatory on all card types Mug Photo
2.014	FBI Number		2.014:[FBI] ^{G_S}	An FBI number is entered here if one has already been associated to the live scan transaction. (9 AN). Excludes I and O.	Criminal Juvenile Applicant Applicant Query
2.016	Social Security Number		2.016:[SOC] ^{R_S} [ASOC1] ^{R_S} [ASOC2] ^{R_S} [ASOC3] ^{R_S} [ASOC4] ^{G_S}	Unique number assigned to an individual by the social security administration. (9 N). If any transaction is sent and SOC is not populated, AFIS will fill with "000-000-0000". (Up to 5 occurrences supported)	Applicant
2.017	Miscellaneous Number		2.017:[MNU] ^{G_S}	Contains any miscellaneous ID number for an individual. (1-30 ANS) Single hyphen is allowed.	All card types
2.018	Last Name First Name Middle Initial		2.018:[NAM] ^{U_S} [FNAM] ^{U_S} [MINAM] ^{G_S}	Last name (1-30 AS) may include 1 hyphen. Hyphen cannot be first or last character. First name (1-15 A) Middle Initial (1A)	First and Last name *mandatory on all card types. Middle Initial listed on all card types. Mug Photo

Tag #	Field Name	Table Name	Content	Comment	Card Type *Mandatory
2.019	Alias Last Name Alias First Name Alias Middle Initial		2.019:[AKA_LN1] ^{U_S} [AKA_FN1] ^{U_S} [AKA_MI1] (1...4){ ^{R_S} [AKA_LN2] ^{U_S} [AKA_FN2] ^{U_S} [AKA_MI2] } ^{G_S}	Last name (1-30 AS) may include 1 hyphen. Hyphen cannot be first or last character. First name (1-15 A). Middle Initial (1 A). (Up to 4 occurrences supported for Criminal, Juvenile, and Sex Offender record types) Alias names cannot be entered w/o Alias DOB's and vice versa. Alias First name cannot be entered w/o Alias Last name and vice versa.	All Card Types
2.020	Place of Birth	POB	2.020:[POB] ^{G_S}	State/Country abbreviation of the place of birth (2A). Literal may include up to 26 ANS. If Place of Birth is missing or has an invalid value, AFIS will fill with "YY" (Unlisted Country) without going to QC.	*Criminal *Juvenile *Sex Offender *Applicant *Applicant Query *Inquiry *DNA Only Non-Mandatory all other card types
2.021	Country of Citizenship	CTZ	2.021:[CTZ] ^{G_S}	Country code of citizenship. (2A) Literal may include up to 15ANS. If Country of Citizenship is missing or has an invalid value, AFIS will fill with "YY" (Unlisted Country) without going to QC.	See Tag# 2.020
2.022	Date of Birth Alias DOB		2.022:[DOB] ^{R_S} [ALIAS_DOB1] (1...5) ^{R_S} [ALIAS_DOB5] } ^{G_S}	Date of Birth.(8 N) Alias Date of Birth 1 (8 N) Alias Date of Birth 2 (8 N) Alias Date of Birth 3 (8 N) Alias Date of Birth 4 (8 N)	*DOB Mandatory on all card types. Mug Photo

Tag #	Field Name	Table Name	Content	Comment	Card Type *Mandatory
				(Up to 5 occurrences supported for Criminal, Juvenile, and Sex Offender record types.) Must be in the form of (CCYYMMDD). Year must be 1900 or later. Month must 01-12 (00 if unknown). If month is 00 then day must be 00. DOB cannot be future date. Alias DOB's cannot be entered w/o Alias names and vice versa.	
2.024	Sex	SEX	2.024:[SEX] ^G _S	Sex of the individual (1A) M = Male F = Female B = Both	*Mandatory on all card types. Mug Photo
2.025	Race	RAC	2.025:[RAC] ^G _S	Race of the individual (1A) A = Asian or Pacific Islander B = Black I = American Indian or Alaskan Native U = Unknown W = White If Race is missing or has an invalid value, AFIS will populate with "U" without going to DQC.	*Mandatory on all card types. Mug Photo
2.026	Scars, marks tattoos.	SMT	2.026:[NCIC CODE 1] ^U _S [SMT1] ^R _S (0...9) [NCIC CODE 2] ^U _S [SMT2] ^G _S	Scars, Marks and Tattoos NCIC CODE (1-10 ANS) Scars, Marks and Tattoos Literal (1-56 ANS) (Up to 4 occurrences supported on Criminal, Juvenile, Sex Offender, Inquiry, Non-Criteria, Custody Receipt).	All Card Types

Tag #	Field Name	Table Name	Content	Comment	Card Type *Mandatory
				(Up to 2 occurrences supported on Applicant, Applicant Query, Final Order).	
2.027	Height		2.027:[HGT] ^{G_S}	Height of the individual. Must be (3N) feet and inches, 000 if unknown. Feet (first digit) must be 2-9 and 0 if unknown. Inches must be 00-11. (Must be 00 if first digit is zero). If Height is missing, out of range (400 to 711), or improperly formatted, AFIS will populate with "000" without going to DQC.	*Mandatory on all card types. Mug Photo
2.029	Weight		2.029:[WGT] ^{G_S}	Weight of the individual. Must be (3 N). Valid if 000 or in range 050-499. If Weight is missing, out of range (050 to 499), or improperly formatted, AFIS will populate with "000" without going to DQC.	*Mandatory on all card types. Mug Photo
2.031	Eye Color	EYE	2.031:[EYE] ^{G_S}	Eye color of the individual (3 A). BLK = Black, HAZ = Hazel BLU = Blue, MAR = Maroon BRO = Brown, PNK = Pink GRN = Green, XXX = Unknown GRY = Gray If Eye Color is missing or has an invalid value, AFIS shall populate with "XXX" without going to DQC.	*Mandatory on all card types. Mug Photo
2.032	Hair Color	HAI	2.032:[HAI] ^{G_S}	Hair color of the individual (3 A). BAL = Bald	*Mandatory on all card types. Mug Photo

Tag #	Field Name	Table Name	Content	Comment	Card Type *Mandatory
				ONG = Orange BLK = Black PLE = Purple BLN = Blond PNK = Pink BLU = Blue RED = Red BRO = Brown SDY = Sandy GRN = Green WHI = White GRY = Gray XXX = Unknown If Hair Color is missing or has an invalid value, AFIS will populate with "XXX" without going to DQC.	
2.035	Palm Prints Available		2.035:[PPA] ^{G_S}	Indicates whether palm prints are available. (1 A) (Y, N) Literal may include up to 3 A. *Mandatory 'Y' when Palms are present.	Criminal, Juvenile, Final Order, DNA Only, Sex Offender, and Custody Receipt
2.036	Photo Available		2.036:[PHA] ^{G_S}	Indicates whether a photo is available (1 A) (Y, N) Literal may include up to 3 A. *Mandatory 'Y' when a Photo is present.	Criminal, Juvenile, Final Order, DNA Only, Sex Offender, and Custody Receipt
2.038	Date printed		2.038:[IDX_CREATE_DATEN] ^{G_S}	Date the person was fingerprinted. (8 N) (CCYYMMDD)	*Mandatory all card types Mug Photo
2.039	Employer and address		2.039:[EMP] ^{G_S}	Lists the employer and address. (1-45 ANS) Special characters allowed: - ' , . [sp]	Non-mandatory all other card types. *Sex Offender
2.040	Occupation		2.040:[OCC] ^{G_S}	Relates the occupation of the individual (1-50 ANS) Special chars allowed: - ' , . [sp]	Non-mandatory all other card types. *Sex Offender

Tag #	Field Name	Table Name	Content	Comment	Card Type *Mandatory
2.041	Person's Street Number Person's Street Address City of Residence State of Residence Zip Code	POB	2.041:[RES_NUM] ^{U_S} [RES] ^{U_S} [RES_CITY] ^{U_S} [RES_ST] ^{U_S} [ZIP] ^{G_S}	Residence of person fingerprinted. Street # (1-10AN) Street name (1-25ANS) [sp] - ' , . # / City (1-20ANS) [sp] - . State (2A) Zip (5 or 9N) If any of these fields with the exception of Zip are entered, the rest of the fields become mandatory.	*Sex Offender Non-mandatory All other Card Types.
2.042	Municipal Code	MUN	2.042:[MUN2] ^{G_S}	Municipality code for the arresting agency (4 AN). Literal may include up to 1-35 ANS.	*Criminal *Juvenile *Non-Criteria *Custody Receipt All others optional
2.043	Card Print Type		2.043:[IDX_IFMFL] ^{G_S}	<u>A</u> pplicant; <u>a</u> pplicant <u>Q</u> uery; <u>C</u> riminal; <u>c</u> riminal <u>I</u> nquiry; <u>J</u> uvenile; <u>S</u> ex offender; <u>c</u> ustody <u>R</u> ecceipt; <u>F</u> inal order or <u>N</u> on-criterial <u>D</u> NA only; <u>D</u> eceased / <u>U</u> nknown (1 A) Card Type 'A' & 'N' – Shall not be transmitted to State Police (Print Only). Card Type 'Q' – Shall only permit 'Criminal Justice Employment' Reason Fingerprinted. (Refer to tag # 2.089).	*Mandatory Mug Photo
2.044	Date of offense		2.044:[DOO] ^{G_S}	Date on which the offense occurred. (8 N). (CCYYMMDD) Year must be 1900 or later. Month (first two digits) must be 01-12. Date of Offense cannot be future date. Date of Offense must precede or be the same as Date of Arrest.	*Criminal *Juvenile *Non-Criteria *Inquiry

Tag #	Field Name	Table Name	Content	Comment	Card Type *Mandatory
2.045	Date of arrest		2.045:[DOA1] ^{Rs} (0...9) {[DOA2]} ^{Gs}	Date the person was arrested. (8 N). (CCYYMMDD). Year must be 1900 or later. Month (first two digits) must be 01-12. Date of Arrest cannot be future date. A non-mandatory 2 nd occurrence used for Sex Offender only.	*Criminal *Juvenile *Non-Criteria *Inquiry Final Order Custody Receipt DNA Only Sex Offender Mug Photo
2.046	Date of receipt		2.046:[DOR] ^{Gs}	Date the person was received in custody (8 N) (CCYYMMDD)	*Custody Receipt
2.048	Contributor's Case Number		2.048:[OCA] ^{Gs}	Contributors case number. Arresting agency's case number. Applicant, Applicant Query and Final Order length is 1-15 ANS Criminal and all other card types length is 1-10 ANS Note that 1-20ANS is allowed but max submitted is 15. Special chars: hyphen allowed If Contributor's Case Number is missing, AFIS will populate with "0000" without going to DQC.	*Applicant *Criminal *Juvenile *Sex Offender *Non-Criteria *Custody Receipt *Inquiry All Other card Types are Non-Mandatory Mug Photo
2.049	Summons/Warrant/Indictment Identifier Summons/Warrant/Indictment Number	SWI	2.049:[SWI1/SWN1] ^{Rs} [SWI2/SWN2] ^{Gs}	Alphanumeric value containing the summons/warrant number or indictment/accusation number. Two values are concatenated. Do not include "/". Indictment, Summons or Warrant Identifier must be 1-2A. See SWI Table. Literal may include up to 21 ANS.	All non-Applicant profiles.

Tag #	Field Name	Table Name	Content	Comment	Card Type *Mandatory
				Indictment, Summons or Warrant Number must be (1-18 N). Indictment, Summons or Warrant Identifier cannot be entered w/o Indictment, Summons or Warrant Number and vice versa. (Up to 2 occurrences supported. 2nd occurrence is used for Sex Offender).	

Tag #	Field Name	Table Name	Content	Comment	Card Type *Mandatory
2.052	Charge and Statute	PREP CHG DISP DISP2 CHG2	2.052:[PREP] ^{U_S} [CHG1 2 nd field] ^{U_S} [CHG1 1 st field] ^{U_S} [DISP] ^{R_S} (1..8): [PREP] ^{U_S} [CHG2 2 nd field] ^{U_S} [CHG2 1 st field] ^{U_S} [DISP] ^{G_S}	Indicates the charges filed against the person. PREP (1 AN). Literal may include up to 21 ANS. CHARGE LITERAL (1-51 ANS) If the LSS Charge Literal does not exactly match the AFIS Charge Literal value, the AFIS Charge Literal will be used. STATUTE (1-17 ANS). DISP (1-2 A). Literal may include 1-32 ANS. (Up to 8 occurrences supported – 2 thru 8 non-mandatory) (Up to 2 occurrences supported by Sex Offender). Preparatory classification cannot be entered w/o a charge set. Charge/Statute and Charge Count will be mandatory if either is entered. (Exception – Count will not be required on Criminal Inquiry.) DISP2 table used for Sex Offender Card Type only. DISP table NOT USED for Sex Offender Card Type. CHG table NOT USED for Non-Criteria Card Type. CHG2 table used in lieu of CHG table for Inquiry card type only.	Prep Field Criminal Inquiry Juvenile Final Order DNA Only Sex Offender Non-Criteria Custody Receipt Charge/Statute Field *Criminal *Juvenile *Custody Receipt *Non-Criteria *Inquiry Sex Offender DNA Only Final Order Disp Field Criminal Inquiry Juvenile Final Order DNA Only Sex Offender Non-Criteria Custody Receipt

Tag #	Field Name	Table Name	Content	Comment	Card Type *Mandatory
2.053	Charge Count		2.053:[CHG_CT1] (1...8) ^{RS} [CHG_CT2] ^{GS}	Number of counts for each charge. The number of times a defendant is charged with the same offense or statute. There must be 1 arrest charge count per charge and statute. (3 N) (Exception –Criminal Inquiry). Up to 8 occurrences supported Value must be 001 or greater. If any CHG_CT is less than three digits, AFIS will prefix with leading zero(es). (Ex. “1” will become “001”; “11” will become “011”. One Count is required per charge-and statute entered in 2.052.	It is mandatory that each charge/statute occurrence (2.052) have a corresponding Charge Count (2.053).
2.057	Booking Agency ORI	ORI	2.057:[ORI 1 st field] ^{US} [ORI 2 nd field] ^{GS}	ORI of the agency where the live read scan device is located. (9 AN) ORI LITERAL: The literal name associated to the ORI CODE. (1-45 ANS)	*Mandatory for all Criminal Card Types
2.058	Live Scan Device Identifier		2.058:[MAKE] ^{US} [IDX_VERSION] ^{US} [LSID] ^{US} [IDX_XACTNO] ^{GS}	Information pertaining to the live scan device that was used to obtain this record. MAKE: The make of the live scan device. (1-25 ANS) MODEL: The model of the live scan device. (1-25 ANS) ID: A unique identifier for the live scan device. (1-25 ANS) SER#: The serial number of the live scan device. (1-50 ANS)	*Mandatory on all card types

Tag #	Field Name	Table Name	Content	Comment	Card Type *Mandatory
2.060	Juvenile Fingerprint Submission		2.060:[JUV] ^{G_S}	Determines whether or not an individual is a juvenile. An 'X' indicates a 'Yes'. (1 AS) Set if Juvenile card type is selected.	*Juvenile
2.062	Impression Taker		2.062:[IDX_OFFICER] ^{G_S}	Name of the official taking fingerprints (1-20 ANS)	*Mandatory on all card types
2.063	County of Arrest	COA	2.063:[COA] ^{G_S}	County of arrest. Derived from county code table. (2 N). Literal may include up to 10 A.	*Criminal *Juvenile *Non-Criteria *Custody Receipt Inquiry Final Order DNA Only Sex Offender
2.066	Charge Type	JUV	2.066:[CWD] ^{G_S}	<u>A</u> – Adjudicated Delinquent; <u>C</u> – Charged with Delinquency for Indictable Offense; <u>T</u> – Treat as Adult (1 A)	*Juvenile
2.075	Local Data 1		2.075:[LOC_INFO1] ^{G_S}	Local Information (1-58 ANS) Used strictly by the local PD for all card types except Sex Offender. It is used for printing on a local card at the local PD's printer. special chars: - ' , . [sp]	All card types EXCEPT Sex Offender.
2.076	Local Data 2		2.076:[LOC_INFO2] ^{G_S}	Local Information (1-58 ANS) Used strictly by the local PD for all card types except Sex Offender. It is used for printing on a local card at the local PD's printer. special chars: - ' , . [sp]	All card types EXCEPT Sex Offender.
2.077	Local Data 3		2.077:[LOC_INFO3] ^{G_S}	Local Information (1-58 ANS)	All card types EXCEPT Sex Offender.

Tag #	Field Name	Table Name	Content	Comment	Card Type *Mandatory
				Used strictly by the local PD for all card types except Sex Offender. It is used for printing on a local card at the local PD's printer. special chars: - ' , . [sp]	
2.078	Local Data 4		2.078:[LOC_INFO4] ^{G_S}	Local Information (1-58 ANS) Used strictly by the local PD for all card types except Sex Offender. It is used for printing on a local card at the local PD's printer. special chars: - ' , . [sp]	All card types EXCEPT Sex Offender.
2.079	Local Data 5		2.079:[LOC_INFO5] ^{G_S}	Local Information (1-58 ANS) Used strictly by the local PD for all card types except Sex Offender. It is used for printing on a local card at the local PD's printer. special chars: - ' , . [sp]	All card types EXCEPT Sex Offender.
2.080	Local Data 6		2.080:[LOC_INFO6] ^{G_S}	Local Information (1-58 ANS) Used strictly by the local PD for all card types except Sex Offender. It is used for printing on a local card at the local PD's printer. special chars: - ' , . [sp]	All card types EXCEPT Sex Offender.
2.081	Reply Desired		2.081:[REPL] ^{G_S}	Reply desired must equal "N" (NO) or 'Y' (Yes). (1 AS) Must default to 'Y' (Yes).	*Criminal *Juvenile *Inquiry
2.082	Sentence Date		2.082:[DOS1] ^{R_S} [DOS2] ^{G_S}	Denotes a sentence date as a result of a guilty verdict (8N) Must be in the form of (CCYYMMDD)	*Custody Receipt Criminal Inquiry Juvenile Sex Offender

Tag #	Field Name	Table Name	Content	Comment	Card Type *Mandatory
				Year must be 1900 or later. Month must 01-12 (00 if unknown). If month is 00 then day must be 00. (Up to 2 occurrences supported. 2 nd occurrence used for Sex Offender Card Type Only)	Non Criteria
2.083	Aggregate Sentence		2.083:[AGG_SEN1] ^{Rs} [AGG_SEN2] ^{Gs}	If a sentence date is present, then an aggregate sentence is required (except Cust_Rec and Sex Offender). (1-30 ANS) (Up to 2 occurrences supported. 2 nd occurrence used for Sex Offender Card Type Only)	*Custody Receipt Criminal Inquiry Juvenile Sex Offender Non Criteria
2.085	Temporary Street # Temporary Street Address Temporary City of Residence Temporary State of Residence Temporary Zip Code	POB	2.085:[RES_NUM] ^{Us} [RES] ^{Us} [RES_CITY] ^{Us} [RES_ST] ^{Us} [ZIP] ^{Gs}	Used to indicate current temporary residence of person fingerprinted Street # (1-10 AN) Street name (1-25 ANS) special chars: [sp] - ' , . # / City (1-20 ANS) special chars: [sp] - . State (2 A) Zip (5N or 9N)	Sex Offender
2.086	History of Crimes 1		2.086:[HIST1] ^{Gs}	History of crimes 1 (1-45 ANS) Any printable 7-bit ascii char allowed.	Criminal Juvenile Non-Criteria Sex Offender
2.087	History of Crimes 2		2.087:[HIST2] ^{Gs}	History of crimes 2 (1-45 ANS) Any printable 7-bit ascii char allowed.	Sex Offender only
2.088	Additional Information/Caution		2.088:[ADD_INFO1] ^{Us} [ADD_INFO2] ^{Us} [ADD_INFO3] ^{Us} [ADD_INFO4] ^{Gs}	Additional information 1-4 (1-45ANS each). Any printable 7-bit ascii char allowed.	Criminal Juvenile Non-Criteria Inquiry Custody Receipt

Tag #	Field Name	Table Name	Content	Comment	Card Type *Mandatory
2.089	Reason Applicant Fingerprinted	RFP DOC RFP1	2.089:[APP CODE] ^{U_S} [DOC Type] ^{U_S} [APP CODE LITERAL] ^{G_S}	- Applicant Type CODE (3 A) (See RFP Table for Card Type 'A' and RFP1 Table for Card Type 'Q') - Final Order (Card Type 'F' – 2.043) – Applicant Type Code should default to and only allow "DVO". - If SPE, AFIS sends to FARS and M2P. If COP or CJE, AFIS sends only to M2P. - If Reason Code is FIR (firearms), record is sent to FARS (no \$10 assessment). - Document Type (1-2 A) (See DOC Table) – Used only for Card Type 'Q' - Applicant Type LITERAL (1-45 AN) (See RFP Table for Card Type 'A' and RFP1 Table for Card Type 'Q'). - Final Order (Card Type 'F' – 2.043) – Applicant Type Literal should default to and only allow "DV Final Order".	*Applicant *Applicant Query *Final Order
	Reason Applicant Fingerprinted if 'Other'				

Tag #	Field Name	Table Name	Content	Comment	Card Type *Mandatory																								
				If reason applicant fingerprinted (see RFP Table) is 'other', then the 'reason applicant fingerprinted if other' field must be filled in using free text entry. (The word 'other' will not appear on the card) For records from applicant server, AFIS places contents of the 3rd subfield into the 3rd subfield of the 2.052 before sending to CCH.																									
2.091	Domestic Violence Arrest		2.091:[DVA] ^{G_S}	Must equal "N" for NO or a 'Y' for Yes (1A)	Criminal Juvenile																								
2.092	Amputated or Bandaged Finger Number (FGN) Amputated or Bandaged Code (AMPCD)		2.092: {(0..9)[01 to 10] ^{U_S} [XX or UP] ^{R_S} [01 to 10] ^{U_S} [XX or UP]} ^{G_S}	This field is used anytime there are fewer than ten printable fingers in a ten-print submission. FGN is 2 numeric EFTS codes: <table><tr><td>Right Thumb</td><td>01</td></tr><tr><td>Left Thumb</td><td>06</td></tr><tr><td>Right index</td><td>02</td></tr><tr><td>Left index</td><td>07</td></tr><tr><td>Right Middle</td><td>03</td></tr><tr><td>Left Middle</td><td>08</td></tr><tr><td>Right Ring</td><td>04</td></tr><tr><td>Left Ring</td><td>09</td></tr><tr><td>Right little</td><td>05</td></tr><tr><td>Left little</td><td>00</td></tr></table> AMPCD is a 2 alpha EFTS code: <table><tr><td>Amputation</td><td>XX</td></tr><tr><td>Unable to Print</td><td>UP</td></tr></table>	Right Thumb	01	Left Thumb	06	Right index	02	Left index	07	Right Middle	03	Left Middle	08	Right Ring	04	Left Ring	09	Right little	05	Left little	00	Amputation	XX	Unable to Print	UP	*All Card Types
Right Thumb	01																												
Left Thumb	06																												
Right index	02																												
Left index	07																												
Right Middle	03																												
Left Middle	08																												
Right Ring	04																												
Left Ring	09																												
Right little	05																												
Left little	00																												
Amputation	XX																												
Unable to Print	UP																												
2.093	Revised Fingerprint Card		2.093: [REV] ^{G_S}	Was this transaction revised and resent? A space indicates 'NO' and a 'Y' indicates Yes (1AS)	Criminal Juvenile Custody Receipt Applicant Applicant Query																								

Tag #	Field Name	Table Name	Content	Comment	Card Type *Mandatory
				If 'Y' then 'Reason For Revision' (2.094) must be completed. This is not a resubmission! Same PCN sent with updated demo data.	
2.094	Reason for Revision		2.094 [REV1] ^G _S	Literal reason that the live scan transaction was revised and resent (1-40ANS). Any printable 7-bit ascii char allowed.	Criminal Juvenile Custody Receipt Applicant Applicant Query
2.095	SBI Response Forward To	RESP	2.095:[RESP] ^G _S	Person or agency the response from applicant search will be forwarded to (1-70 ANS) . Any printable 7-bit ascii char allowed If 'Other,' then the 'Response Name and Address' (2.096) must be filled in.	*Applicant *Applicant Query * Final Order
2.096	Name for SBI Response To Address for SBI Response To City for SBI Response To State for SBI response To Zip Code for SBI Response To		2.096:[RESP_NAM] ^U _S [RESP_ADD] ^U _S [RESP_CITY] ^U _S [RESP_ST] ^U _S [RESP_ZIP] ^G _S	Name (1-30ANS) Street Address (1-25 ANS). Any printable 7-bit ascii char allowed City (1-20 ANS) [sp] - . State (2 A) Zip (5 or 9 N) *Mandatory if Tag #2.095 indicates 'Other'	Applicant Applicant Query Final Order
2.097	Armed Forces Number		2.097:[MNU2] ^G _S	Contains any armed forces ID number for an individual. (1-30 AN).	Applicant Applicant Query
2.098	Possible SBI Number		2.098: [PSBI] ^G _S	If a possible SBI number is known by the live scan operator it will be entered here (7 AN)	All Card Types Except Applicant, Applicant Query, DNA Only, & Final Order
2.099	Date Card printed		2.099:[MMDDYYYY] ^U _S [hhmmss] ^G _S	Contains the date and time the fingerprint card was printed. DCP_Date: (8N)	*All Card Types

Tag #	Field Name	Table Name	Content	Comment	Card Type *Mandatory
				DCP_Time: 24 hour time (6N)	
2.101	Annotations		2.101:[ANNO 1 st Field] ^U _S ANNO 2 nd Field] ^U _S [ANNO 3 rd Field] ^U _S [ANNO 4 th Field] ^U _S [ANNO 5 th Field] ^U _S [ANNO 6 th Field] ^U _S [ANNO 7 th Field] ^U _S [ANNO 8 th Field] ^U _S [ANNO 9 th Field] ^U _S [ANNO 10 th Field] ^U _S [ANNO 11 th Field] ^U _S [ANNO 12 th Field] ^U _S [ANNO 13 th Field] ^U _S [ANNO 14 th Field] ^G _S	Annotations that are either manually added or added by the live scan device when the fingerprints are acquired (8 AN). 14 subfields of a single <us> separated occurrence	*Mandatory all card types
2.105	Accomplice Last Name Accomplice First Name Accomplice Middle Initial		2.105:[LAST] ^U _S [FIRST] ^U _S [MIDDLE] ^G _S	This field contains information pertaining to any known accomplice. Last Name (1-30 AS) hyphen allowed First Name (1-15 A) Middle (1 A)	Criminal Juvenile
2.106	Accomplice Street Number Accomplice Street Address Accomplice City of Residence Accomplice State of Residence Accomplice Zip Code	POB	2.106:[Street Number] ^U _S [Street Address] ^U _S [City] ^U _S [State] ^U _S [Zip Code] ^G _S	Address information of the accomplice named in 2.105. Street Number (1-10 AN) Street Name (1-25 ANS) Any printable 7-bit ascii char allowed City (1-20 ANS) Any printable 7-bit ascii char allowed State (2 A) Zip Code (5N or 9 N) 'Accomplice Name' (2.105) must be filled in order for an entry to be made.	Criminal Juvenile
2.107	Last Name of Nearest Relative First name of Nearest Relative Middle Initial of Nearest relative		2.107:[LAST] ^U _S [FIRST] ^U _S [MIDDLE] ^G _S	This field contains the information pertaining to the nearest living relative to the person being charged. Last Name (1-30 AS) hyphen allowed	Criminal Juvenile

Tag #	Field Name	Table Name	Content	Comment	Card Type *Mandatory
				First Name (1-15 A) Middle (1 A)	
2.108	Street # of Nearest Relative Street Name of Nearest Relative City of Nearest Relative State of Nearest relative Zip Code of Nearest Relative	POB	2.108:[Street Number] ^{U_S} [Street Address] ^{U_S} [City] ^{U_S} [State] ^{U_S} [Zip Code] ^{G_S}	This field contains the address information of the nearest relative named in 2.107. Street Number (1-10 AN) Street Name (1-25 ANS) Any printable 7-bit ascii char allowed. City (1-20 ANS) Any printable 7-bit ascii char allowed. State (2 A) Zip Code (5N or 9 N) 'Nearest Living Relative' (2.107) must be filled in order for an entry to be made.	Criminal Juvenile
2.109	Registration Type	REG	2.109:[Y/N] ^{G_S}	This field contains whether or not this is the initial registration or re-registration of this sex offender. N (1 A) equals No this is not the initial reg. Y (1 A) equals Yes this is the initial reg.	*Sex Offender
2.110	Victim's Sex Victim's Age		2.110:[Victim1's Sex] ^{U_S} [Victim1's Age] ^{R_S} [Victim2's Sex] ^{U_S} [Victim2's Age] ^{G_S}	This field contains information about the victim involved in the sex offender registration. Sex (1 A) M = Male F = Female Age (2 N) (Up to 2 occurrences supported)	Sex Offender
2.111	Vehicle Make Vehicle Model Vehicle Year Vehicle Color License Plate # State of Vehicle Registration	POB	2.111:[Vehicle Make] ^{U_S} [Vehicle Model] ^{U_S} [Vehicle Year] ^{U_S} [Vehicle Color] ^{U_S} [Vehicle License Number] ^{U_S} [Vehicle State] ^{G_S}	This field contains information about the Offender's vehicle, mainly used for sex offender registration. Vehicle Make (1-20 ANS) Any printable 7-bit ascii char allowed	Sex Offender

Tag #	Field Name	Table Name	Content	Comment	Card Type *Mandatory
				Vehicle Model (1-20 ANS) Any printable 7-bit ascii char allowed Vehicle Year (4 N) Vehicle Color (1-10 A) Vehicle License Number (1-20 ANS) Any printable 7-bit ascii char allowed Vehicle State (2 A)	
2.112	GPS Coordinates		2.112:[GPS Coordinates] ^{G_S}	GPS coordinates of the sex offender who is registering (1-20 ANS). Any printable 7-bit ascii char allowed	Sex Offender
2.113	Modus Operandi		2.113: [Modus Operandi1] ^{R_S} [Modus Operandi2] ^{G_S}	Mmodus operandi that the sex offender used to make contact with his victim (i.e., lured with candy, alcohol, drugs, porn, babysitter, coach, etc.) (1-40 ANS). Any printable 7-bit ascii char allowed (Up to 2 occurrences supported)	Sex Offender
2.114	Name of Court State of Court		2.114:[Arresting Court1] ^{U_S} [Arresting State1] ^{R_S} [Arrest Court2] ^{U_S} [Arresting State2] ^{G_S}	Information pertaining to court proceedings. Arresting Court (1-20 ANS) Any printable 7-bit ascii char allowed Arresting State (2 A) (Up to 2 occurrence are supported)	Sex Offender
2.115	Committing Court	COA	2.115:[CCC] ^{U_S} [CCN] ^{G_S}	Name of the Committing Superior Court. Derived from county code table (2 N). Literal may include up to 10 AS.	Custody Receipt
2.116	Mailing Street Number Mailing Street Address Mailing City of Residence	POB	2.116:[RES_NUM] ^{U_S} [RES] ^{U_S} [RES_CITY] ^{U_S} [RES_ST] ^{U_S} [ZIP] ^{G_S}	Mailing Address of person fingerprinted if different from residence address. Street # (1-10 AN)	Sex Offender

Tag #	Field Name	Table Name	Content	Comment	Card Type *Mandatory
	Mailing State of Residence Mailing Zip Code			Street name (1-25 ANS) Any printable 7-bit ascii char allowed City (1-20 ANS) Any printable 7-bit ascii char allowed State (2 AN) Zip (5N or 9 N) If any of these fields with the exception of Zip are entered, the rest of the fields become mandatory.	
2.140	Gang Related		2.140:[Y/N] ^{F_S}	This field contains whether or not this arrest was gang related (1 A). Y/N field. Default value is "N".	*Criminal *Juvenile
2.150	DNA Barcode		2.150:[DNA_BARCODE] ^{G_S}	The field contains the DNA barcode field. The field format will consist of a fixed prefix "NJ," followed by six digits, and an "A" (for example , "NJ123456A"). The "A" could change to a "B" in the future.	Criminal Juvenile Sex Offender
2.151	Incident Street Number Incident Street Address City of Incident State of Incident Incident Zip Code		2.151:[IANUM] ^{U_S} [IAADD] ^{U_S} [IACITY] ^{U_S} [IASTATE] ^{U_S} [IAZIP] ^{G_S}	Incident Address: Street # (1-10AN) Street Name (1-25ANS) [sp] - ' , . # / City (1-20ANS) [sp] - . State (2A) Zip (5 or 9N)	*Criminal *Juvenile

3.1.2 Type-4 Image Record

Type-4 records are required with every livescan submission, and are to be concatenated to the end of the last character of the Type-2 record defined above. Refer to the *Data Format for the Interchange of Fingerprint Information*, National Institute of Standards and Technology (NIST) Document ANSI/NIST-ITL 1-2011, for the precise format of this record.

A Type-4 record is submitted for every rolled finger image and flat image to be included. The Type-4 record will contain the fields indicated below. These records are not tagged field records, and no field identifiers are embedded in the record. All data are provided in binary (shown as hexadecimal in the following example) form, without separators.

Field Number	Identifier	Field Name	Condition	Char Type	Min Length	Max Length	Max Occ
1	LEN	Logical Record Length.	M	B	4	4	1
2	IDC	Image Designation Character	M	B	1	1	1
3	IMP	Impression Type	M	B	1	1	1
4	FGP	Finger Position	M	B	6	6	1
5	ISR	Image Scanning Resolution	M	B	1	1	1
6	HLL	Horizontal Line Length	M	B	2	2	1
7	VLL	Vertical Line Length	M	B	2	2	1
8	GCA	Grayscale Compression Algorithm	M	B	1	1	1
9	IMG	Image Data	M	B		2	1

3.1.3 Type-8 Signature Record

Type-8 logical records transmitted by the livescan shall contain, and be used to exchange, scanned high-resolution binary or vectored signature image data for criminal submissions only. Typically, there may be up to two of these Type-8 signature records in a file. Each Type-8 record shall contain image data representing the signature of the person being fingerprinted or of the official taking the fingerprint.

Raster Uncompressed.

3.1.4 Type-10 Photo Record

Up to two Type-10 records shall be transmitted to the NJSP SFU containing facial image data

and related ASCII information pertaining to the specific image contained in the record. The Type-10 record is used to exchange both gray-scale and color image data either in a compressed or an uncompressed form.

Currently only Facial image data will be captured. Capture of mugshots will be optional and must accompany Type-4 records. If mugshots are captured, a Frontal pose is required and a left profile is optional. SMT capture may be a future enhancement.

Field Number	Identifier	Field Name	Condition	Img	Char Type	Min Length	Max Length	Max Occ
10.001	LEN	Logical Record Length.	M		N	3	7	1
10.002	IDC	Image Designation Character	M		N	1	4	1
10.003	IMT	Image Type	M		A	4	6	1
10.004	SRC	Source Agency/ORI	M		AN	9	20	1
10.005	PHD	Photo Date	M		N	8	8	1
10.006	HLL	Horizontal Line Length	M		N	3	4	1
10.007	VLL	Vertical Line Length	M		N	3	4	1
10.008	SLC	Scale Units	M		N	1	1	1
10.009	HPS	Horizontal Pixel Scale	M		N	2	4	1
10.010	VPS	Vertical Pixel Scale	M		N	2	4	1
10.011	CGA	Compression Algorithm	M		A	4	6	1
10.012	CSP	Color Space	M		A	3	4	1
10.020	POS	Subject Pose	M	FAC	A	1	1	1
10.021	POA	Pose Offset Angle	O	FAC	N	1	4	1
10.022	PXS	Photo Description	O	FAC	A	3	20	9
10.040	SMT	NCIC Designation Code	M	SMT	A	4	11	3
10.041	SMS	Scar/Mark/Tattoo Size	O	SMT	N	4	6	1
10.042	SMD	SMT Descriptors	O	SMT	AN	16	51	9
10.043	COL	Colors Present	O	SMT	A	4	21	9
10.999	DAT	Image Data	M		B	2	5000000	1

Note: 10:040 - 10.043 are for future use.

3.1.5 Type-15 Palm Print Record

This section defines the content, format, and units of measurement for the exchange of automated palm print image information used to identify a criminal subject.

This section shall describe the ANSI/NIST-compliant Type-15 Palm Print image records acquired from a subject in a criminal booking using a New Jersey livescan device. Specifications are also provided for printing a generic Palm card.

When capturing palms, the livescan will be required to capture, at a minimum, lower and writers palm prints. ELSA will acquire the Upper Palms as well. The palmprint record set for one individual may include the *hypothenar* (writer's palm) as a single scanned image, and the area of the *thenar* (lower palm) for each hand, and the upper palms per the ANSI-NIST ITL 1-2011.

The order of the Type-15 records within each group shall consistently be in order of first to last (e.g., palm code 22 –28). The following table also defines specific measurements of the palm codes included in each record.

Palm Position	Palm Code	Width		Height	
		(mm)	(in)	(mm)	(in)
Right Writer's Palm	22	44.5	1.8	127.0	5.0
Left Writer's Palm	24	44.5	1.8	127.0	5.0
Right Lower Palm	25	139.7	5.5	139.7	5.5
Right Upper Palm	26	139.7	5.5	139.7	5.5
Left Lower Palm	27	139.7	5.5	139.7	5.5
Left Upper Palm	28	139.7	5.5	139.7	5.5

Note: This table was extracted from the ANSI/NIST *Data Format for the Interchange of Fingerprint Information* document.

Raw images captured at 1000 dpi must be WSQ compressed to 500 dpi for storing on the NJSP AFIS. WSQ compression ratio will be 15:1 on average.

The New Jersey Livescans and AFIS support up to six ANSI/NIST Type-15 Palm Print image records. The Type-15 records may be concatenated as a group to the end of the Type 1, 2, and 4 records submitted from the New Jersey livescan.

Type-15 ANSI/NIST Palm Print Record

Type-15s are tagged field records with field identifiers embedded in the record. For each field of the Type-15 record, the table below lists the condition code as being mandatory (M) or optional (O), the field number, the field name, character type, field size, and occurrence limits. Based on a three-digit field number, the maximum byte count size for the field is given in the last column. As more digits are used for the field number, the maximum byte count will also increase. The maximum byte count includes the field number, the information, and all the character separators including the “ C_s ” character.

In the following table, constant values are depicted in bold under Sample Data.

Variable values shall be compliant with the ANSI NIST ITL 1-2011 definition.

Field Number	Identifier	Field Name	Condition	Img	Char Type	Min Length	Max Length	Max Occ
15.001	LEN	Logical Record Length.	255496	M	N	4	8	1
15.002	IDC	Image Designation Character	15	M	N	2	5	1
15.003	IMP	Impression Type	10	M	N	2	2	1
15.004	SRC	Source Agency/ORI	NJ920610Z	M	AN	9	21	1
15.005	PCD	Palm print Capture Date	20050514	M	N	9	9	1
15.006	HLL	Horizontal Line Length	2400 or 500	M	N	4	5	1
15.007	VLL	Vertical Line Length	2400	M	N	4	5	1
15.008	SLC	Scale Units	1	M	N	2	2	1
15.009	HPS	Horizontal Pixel Scale	500	M	N	3	5	1
15.010	VPS	Vertical Pixel Scale	500	M	N	3	5	1
15.011	CGA	Compression Algorithm	WSQ	M	AN	5	7	1
15.012	BPX	Bits per Pixel	8	M	N	2	3	1
15.013	PLP	Palm print Position	See table 1	M	N	2	3	1
15.020	COM	Comment		O	AN	2	128	1
15.999	DAT	Image Data		M	B	2	-	1

Field 15.006, Horizontal line length (HLL) is the number of pixels contained on a single horizontal line of the transmitted image. This field shall contain the values “2400” for the lower palm and “600” for a writer’s palm.

