Alabama Bureau of Investigation NIST Specifications

The format of the subsection is based on the FBI and National Institute for Standards and Technology (NIST) standard for the interchange or fingerprint information. It serves as the guideline for communication both textual and image data between records systems.

NIST Type 1 (CAR, MAP, NFUF)

Table 1 -- Logical Record Layout for Type 1 Logical Records

IDENTIFIER	CONDITION	FIELD NUMBER	FIELD NAME	CHARACTER TYPE	FIELD SIZE PER OCCURRENCE		OCCURRENCES		MAXIMUM NUMBER OF BYTES INCLUDING CHARACTER SEPARATORS	EXAMPLE DATA	SPECIAL CHARACTERS ALLOWED
					MIN.	MAX.	MIN.	MAX.			
LEN	M	1.01	LOGICAL RECORD LENGTH	N	2	3	1	1	9	1.01:230<GS>	
VER	M	1.02	VERSION	N	4	4	1	1	10	1.02:0200<GS>	
CNT	M	1.03	FILE CONTENT	N	9	48	1	1	54	>2<US>00<RS>4<US>01<RS>4<US>02<RS>4<US>03<RS>4<US>04<RS>4<US>05<RS>4<US>06<RS>4<US>07<RS>4<US>08<RS>4<US>09<RS>4	
TOT	M	1.04	TYPE OF TRANSACTION	A	3	5	1	1	11	1.04:CAR<GS>	
DAT	M	1.05	DATE	N	8	8	1	1	14	1.05:19940923<GS>	
PRY	O	1.06	TRANSACTION PRIORITY	N	1	1	0	1	7	1.06:1<GS>	
DAI	M	1.07	DESIGNATION AGENCY IDENTIFIER	AN	9	9	1	1	15	1.07:DCFBIWA6Z<GS>	
ORI	M	1.08	ORIGINATION AGENCY IDENTIFIER	AN	9	9	1	1	15	1.08:AL0303000<GS>	ABI=ALAST0000
TCN*	M	1.09	TRANSACTION CONTROL NUMBER	N	10	40	1	1	46	1.09:1234567890<GS>	
TCR	O	1.10	TRANSACTION CONTROL REFERENCE	ANS	10	40	0	1	46	1.10:1234567890<GS>	Any printable (7 bit) ascii

NSR	M	1.11	NATIVE SCANNING RESOLUTION	NS	5	5	1	1	11	1.11:20.00<GS>	Period
NTR	M	1.12	NOMINAL TRANSMITTING RESOLUTION	NS	5	5	1	1	11	1.12:20.00<FS>	Period

* TCN format – 1140212345 (1st three digits "114" equal device ID. Next two digits "02" are last two digits of year 2002 = 02. Last five digits equal sequential number assigned by input device. i.e. Live Scan device)

Note: Four information seperators are used in the Type-1 and Type- 2 records.

ASCII	Description
FS	Separates logical records of a file.
GS	Separates fields of a logical record.
RS	Separates multiple data entries (occurs) of an information field.
US	Separates individual information items of the field or subfield.

NIST Type 2 (CAR)

Table 2 -- Logical Record Layout for Type 2 Record (CAR)

IDENTIFIER	CONDITION	FIELD NUMBER	FIELD NAME	CHARACTER TYPE	FIELD SIZE PER OCCURRENCE		OCCURRENCES		MAXIMUM NUMBER OF BYTES INCLUDING CHARACTER SEPARATORS AND FIELD NUMBER	EXAMPLE DATA	Edit Criteria
					MIN.	MAX.	MIN.	MAX.			
LEN	M	2.001	LOGICAL RECORD LENGTH	N	2	7	1	1	14	2.001:909<GS>	
IDC	M	2.002	IMAGE DESIGNATION CHARACTER	N	2	2	1	1	9	2.002:00<GS>	
RET	M	2.005	RETENTION CODE	A	1	1	1	1	8	2.005:Y <GS>	Default = "Y"
ATN	O	2.006	"ATTENTION" INDICATOR	ANS	3	30	0	1	37	2.006:SA J Q DOE,RM 11867<GS>	Any printable 7-bit acsii character with the exception of the period is allowed.
SCO	O	2.007	SEND COPY TO	AN	9	19	0	9	186	2.007:NY030025P <GS>	Must be a valid ORI.
OCA	O	2.009	ORIGINATING AGENCY CASE NUMBER	ANS	1	20	0	1	27	2.009:Q880312465<GS>	Any printable 7-bit acsii character with the exception of the period is allowed.
FBI	O	2.014	FBI NUMBER	AN	1	9	0	5	56	2.014:62760NY12<GS>	This field not displayed on Live Sacn Application
SID	O	2.015	STATE IDENTIFICATION NUMBER	AN	8	8	0	1	17	2.015:AL12345678<GS>	This field not displayed on Live Scan application.
SOC	O	2.016	SOCIAL SECURITY ACCOUNT NUMBER	N	9	9	0	4	46	2.016:123456789<GS>	
MNU	O	2.017	MISCELLANEOUS IDENTIFICATION NUMBER	ANS	4	15	0	4	70	2.017:PP-1234567890<GS>	A hyphen is allowed as a special character. MNU position 1-2 must contain a valid prefix code.
NAM	M	2.018	NAME	AS	3	30	1	1	37	2.018:JONES,ANTHONY P<GS>	Commas, hyphens and blanks are all allowed as special characters. No space character between comma and first name allowed.
AKA	O	2.019	ALIASES	AN	3	30	0	10	316	2.019:JONES,TONY RSJONES,A P<GS>	Hyphens, commas, and blanks are all allowed as special characters. No space character between comma and first name allowed.
POB	M	2.020	PLACE OF BIRTH	A	2	2	1	1	9	2.020:VA<GS>	Must contain a valid state/nationality code.
CTZ	O	2.021	COUNTRY OF CITIZENSHIP	A	2	2	0	1	9	2.021:US<GS>	Must contain a valid nationality code.

DOB	M	2.022	DATE OF BIRTH	N	8	8	1	5	51	2.022:19800825<GS>	8 character field, expressed as YYYYMMDD in which YYYY must not exceed current date or year. MM must be a valid month (01-12);DD must be 01 to 28,29,30 or 31 depending on month and year. **1)** If DOB is equal to 15 years of age or less the JUV field must autoset to "Y" and TAA is omitted. **2)** If DOB is equal to or greater than 16 years of age, and equal to or less than 18 years of age, and ASL field does not equal statute in Juv Crime Code Table then JUV is autoset to "Y" and TAA is omitted. **3)** If DOB is equal to or greater than 16 years of age, and equal to or less than 18 years of age, and ASL field equals statute in Juv Crime Code Table then JUV is omitted and TAA is autoset to "Y"
SEX	M	2.024	GENDER	A	1	1	1	1	8	2.024:M<GS>	Must contain a valid sex code. M= Male, F= Female, X= Unknown
RAC	M	2.025	RACE	A	1	1	1	1	8	2.025:W<GS>	Must contain a valid race code. **A** = Asian Indian, Japanese, Chinese, Korean, Filipino, Polynesian, Indian, Indonesian. Samoan or any other Pacific Islander. **B** = Black or African American. **I** = American Indian, Eskimo, or Alaska Native. **U** = Indeterminable Race. **W** = Caucasian, Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish
SMT	O	2.026	SCARS, MARKS, AND TATTOOS	AS	3	10	0	10	116	2.026:MISS L TOERSTAT RF ARM<GS>	Must be a valid SMT code. Code table will be provided.
HGT	M	2.027	HEIGHT	AN	3	3	1	1	10	2.027:601<GS>	HGT range = 400 to 711. Unknown = 000
WGT	M	2.029	WEIGHT	N	3	3	1	1	10	2.029:182<GS>	WGT must be >024 and < 499 to be valid.
EYE	M	2.031	COLOR EYES	A	3	3	1	1	10	2.031:BLU<GS>	Must contain a valid eye code. **BLK** = black, **BLU** = blue, **BRO** = brown, **GRY** = gray, **GRN** = green, **HAZ** = hazel, **MAR** = **maroon, MUL** = **multicolored, PNK** = **pink, XXX** = **unknown**
HAI	M	2.032	HAIR COLOR	A	3	3	1	1	10	2.032:BRO<GS>	Must contain a valid hair code. **BAL** = bald, **BLK** = black, **BLN** = blonde or strawberry, **BRO** = brown, **GRY** = gray or partially gray **RED** = red or auburn, **SDY** = sandy, **WHI** = white, **XXX** = unknown, **BLU** = blue, **GRN** = green, **ONG** = orange, **PNK** = pink, **PLE** = purple
PPA	O	2.035	"PALM PRINTS AVAILABLE"	A	1	1	0	1	8	2.035:Y <GS>	If not "Y" then omit

			INDICATOR								
PHT	O	2.036	"PHOTO AVAILABLE" INDICATOR	A	1	1	0	1	8	2.036:Y <GS>	If not "Y" then omit
EAD	O	2.039	EMPLOYER AND ADDRESS	ANS	1	120	0	1	127	2.039:ACE CONSTRUCTION COMPANY, 327 MAPLE BUFFALO, NY<GS>	Any printable 7-bit acsii character is allowed. Muliple space characters between text is not allowed.
OCP	O	2.040	OCCUPATION	ANS	1	50	0	1	57	2.040:PLUMBER<GS>	Any printable 7-bit acsii character is allowed.
RES	O	2.041	RESIDENCE OF PERSON FINGERPRINTED	ANS	1	120	0	1	127	2.041:5021 OAK LEAF DRIVE, COLUMBUS, OH<GS>	Any printable 7-bit acsii character is allowed. Muliple space characters between text is not allowed.
DOA	M	2.045	DATE OF ARREST	N	8	8	1	1	15	2.045:19940924<GS>	8 character field expressed as YYYYMMDD. In which YYYY must not exceed current date or year. Date must be = or < current date. MM must be valid month (0-12). DD must be 01 to 28, 29, 30 or 31 depending on month and year. Must be < or = type 1 field 1.05 DAT
ASL	M	2.047	ARREST SEGMENT LITERAL-FREE TEXT	ANS			1	40	12406	2.047:19940915US 0999HOMICIDE-1ST DEGREE<RS>1994 0920US 5212POSSESSION OF-FIREARMS<GS>	2.047:DOO<US>NCICASL-FREE TEXT<GS>
											DOO - 19940915 - 8 character field expressed as YYYYMMDD. In which YYYY must not exceed current date or year. MM must be valid month (01-12);DD must be 01 to 28, 29, 30 or 31depending on month and year. DOO must be < or = to DOA
	M1		DATE OF OFFENSE (DOO) (If DOO not available use Date of Arrest date)	N	8	8	0	1			NCIC CODE=0999
											ASL = HOMICIDE-
											FREE TEXT = 1ST DEGREE
											NOTE: 1)There is no space between NCIC code and ASL. (2) A dash follows ASL. No space following the dash.(NCIC codes and ASL list provided by ABI)
											2)ASL portion of field is supplied from lookup table. Free text portion of field should be used to clarify ASL if necessary
ICO	O	2.056	IDENTIFICATION COMMENTS	AN	1	50	0	1	57	2.056:ARMED AND DANGEROUS<GS>	Any printable 7-bit acsii character is allowed.
IMA	O	2.067	IMAGE PROCESSING FIELD				0	1	109	2.067:DBIUS1134US12345<GS>	Any printable 7-bit acsii character is allowed. Do not display on screen

	M		ORIGINATING FINGERPRINT READNG SYSTEM MAKE (MAK)	ANS	1	25	1	1			
	M		ORIGINATING FINGERPRINT READNG SYSTEM MODEL (MODL)	ANS	1	25	1	1			
RAP	O	2.070	REQUEST FOR ELECTRONIC RAP SHEET	A	1	1	0	1	8	2.070:Y<GS>	Must be a "Y" or omit.
CRI	M	2.073	CONTROLLING AGENCY IDENTIFIER	AN	1	9	1	3	36	2.073:ALAST0045<GS>	The ORI in question must be in the 2.073 valtabs table or it will be rejected.
AMP	C2	2.084	AMPUTATED OR BANDAGED				0	9	60	2.084:03<US>XX<RS>09<US>UP<FS>	
	M		FINGER NUMBER (FGP)	N	2	2	1	1			
	M		AMPUTATED OR BANDAGED CODE (AMPCD)	A	2	2	1	1			
TAA	O3	2.087	Treat as Adult	A	1	1	0	1	8	2.087: Y<GS>	If not "Y" then omit Reference DOB field 2.022
JUV	O3	2.800	JUVENILE SUBMISSION	A	1	1	0	1	8	2.800: Y<GS>	If not "Y" then omit Reference DOB field 2.022

Notes:

1. The DOO portion of this field is mandatory. If DOO is not known use DOA (Date of Arrest) date.
2. This field is mandatory if any finger is either amputated or rolled impression was not made.
3. If TAA = "Y" then JUV field must be omitted. If JUV = "Y" then TAA field must be om

Record Types required: Type 1, Type 2, Type 4
Under the Condition column: O = Optional; M = Mandatory; C = Conditional, see notes
Under the Character type column: A = Alphabetic; N = Numeric; S = Special characters, see notes

NIST Type 2 (MAP

Table 3 -- Logical Record Layout for Type 2 Record (MAP)											
IDENTIFIER	CONDITION	FIELD NUMBER	FIELD NAME	CHARACTER TYPE	FIELD SIZE PER OCCURRENCE		OCCURRENCES		MAXIMUM NUMBER OF BYTES INCLUDING CHARACTER SEPARATORS AND FIELD NUMBER	EXAMPLE DATA	Edit Criteria
					MIN.	MAX.	MIN.	MAX.			
LEN	M	2.001	LOGICAL RECORD LENGTH	N	2	7	1	1	14	2.001:909<GS>	
IDC	M	2.002	IMAGE DESIGNATION CHARACTER	N	2	2	1	1	9	2.002:00<GS>	
RET	M	2.005	RETENTION CODE	A	1	1	1	1	8	2.005:N<GS>	Default to "N"
ATN	O	2.006	"ATTENTION" INDICATOR	ANS	3	30	0	1	37	2.006:SA J Q DOE,RM 11867<GS>	Any printable 7-bit ascii character with the exception of the period is allowed.
SCO	O	2.007	SEND COPY TO	ANS	9	19	0	9	186	2.007:NY030025P	Must be a valid ORI.
OCA	O	2.009	ORIGINATING AGENCY CASE NUMBER	ANS	1	20	0	1	27	2.009:Q880312465 <GS>	Any printable 7-bit ascii character with the exception of the period is allowed.
FBI	O	2.014	FBI NUMBER	AN	1	9	0	5	56	2.014:62760NY12< GS>	This field not displayed on Live Sacn Application
SID	O	2.015	STATE IDENTIFICATION NUMBER	N	10	10	0	1	17	2.015:0000172653< GS>	This field not displayed on Live Scan application.
SOC	O	2.016	SOCIAL SECURITY ACCOUNT NUMBER	N	9	9	0	4	46	2.016:123456789< GS>	
MNU	O	2.017	MISCELLANEOUS IDENTIFICATION NUMBER	ANS	4	15	0	4	70	2.017:PP-1234567890<GS>	A hyphen is allowed as a special character. MNU position 1-2 must contain a valid prefix code.
NAM	M	2.018	NAME	AS	3	30	1	1	37	2.018:JONES,ANTHONY P<GS>	Commas, hyphens and blanks are all allowed as special characters. No space character between comma and first name allowed.
AKA	O	2.019	ALIASES	AN	3	30	0	10	316	2.019:JONES,TONYRSJONES,AP<GS>	Hyphens, commas, and blanks are all allowed as special characters. No space character between comma and first name allowed.
POB	M	2.020	PLACE OF BIRTH	A	2	2	1	1	9	2.020:VA<GS>	Must contain a valid state/nationality code.

CTZ	O	2.021	COUNTRY OF CITIZENSHIP	A	2	2	0	1	9	2.021:US<GS>	Must contain a valid nationality code.
DOB	M	2.022	DATE OF BIRTH	N	8	8	1	5	51	2.022:19800825<GS>	8 character field, expressed as YYYYMMDD in which YYYY must not exceed current date or year. MM must be a valid month (01-12);DD must be 01 to 28,29,30 or 31 depending on month and year.
SEX	M	2.024	GENDER	A	1	1	1	1	8	2.024:M<GS>	Must contain a valid sex code. M= Male, F= Female, X= Unknown
RAC	M	2.025	RACE	A	1	1	1	1	8	2.025:W<GS>	Must contain a valid race code. **A** = Asian Indian, Japanese, Chinese, Korean, Filipino, Polynesian, Indian, Indonesian. Samoan or any other Pacific Islander. **B** = Black or African American. **I** = American Indian, Eskimo, or Alaska Native. **U** = Indeterminable Race. **W** = Caucasian, Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish
SMT	O	2.026	SCARS, MARKS, AND TATTOOS	AS	3	10	0	10	116	2.026:MISS L TOERSTAT RF ARM<GS>	Must be a valid SMT code. Code table will be provided.
HGT	M	2.027	HEIGHT	AN	3	3	1	1	10	2.027:601<GS>	HGT range = 400 to 711. Unknown = 000
WGT	M	2.029	WEIGHT	N	3	3	1	1	10	2.029:182<GS>	WGT must be >024 and < 499 to be valid.
EYE	M	2.031	COLOR EYES	A	3	3	1	1	10	2.031:BLU<GS>	Must contain a valid eye code. **BLK** = black, **BLU** = blue, **BRO** = brown, **GRY** = gray, **GRN** = green, **HAZ** = hazel, **MAR** = **maroon, MUL** = **multicolored, PNK** = **pink, XXX** = **unknown**
HAI	M	2.032	HAIR COLOR	A	3	3	1	1	10	2.032:BRO<GS>	Must contain a valid hair code. **BAL** = bald, **BLK** = black, **BLN** = blonde or strawberry, **BRO** = brown, **GRY** = gray or partially gray **RED** = red or auburn, **SDY** = sandy, **WHI** = white, **XXX** = unknown, **BLU** = blue, **GRN** = green, **ONG** = orange, **PNK** = pink, **PLE** = purple
RFP	M	2.037	REASON FINGERPRINTED	ANS	1	75	1	1	82	2.037:CONSIDERING FOR EMPLOYMENT <GS>	Commas, blanks, dashes, hyphens and slashes are all allowed as special characters. RFP must be valid code from 2.037.tbl valtabs
DPR	M	2.038	DATE PRINTED	N	8	8	1	1	15	2.038:19940924<GS>	8 character field, expressed as YYYYMMDD in which YYYY must not exceed current date or year. MM must be a valid month (01-12);DD must be 01 to 28,29,30 or 31 depending on month and year.
EAD	O	2.039	EMPLOYER AND ADDRESS	ANS	1	120	0	1	127	2.039:ACE CONSTRUCTION COMPANY, 327 MAPLE AVE, BUFFALO, NY<GS>	Any printable 7-bit acsii character is allowed. Muliple space characters between text is not allowed.

OCP	O	2.040	OCCUPATION	ANS	1	50	0	1	57	2.040:PLUMBER<GS>	Any printable 7-bit acsii character is allowed.
RES	O	2.041	RESIDENCE OF PERSON FINGERPRINTED	ANS	1	120	0	1	127	2.041:5021 OAK LEAF DRIVE, COLUMBUS, OH<GS>	Any printable 7-bit acsii character is allowed. Muliple space characters between text is not allowed.
IMA	O	2.067	IMAGE CAPTURE EQUIPMENT				0	1	109	2.067:DBI US 1134 US12345<GS>	Any printable 7-bit acsii character is allowed. Do not display on screen
	M		ORIGINATING FINGERPRINT READING SYSTEM MAKE (MAK)	ANS	1	25	1	1			
	M		ORIGINATING FINGERPRINT READING SYSTEM MODEL (MODL)	ANS	1	25	1	1			
RAP	O	2.070	REQUEST FOR ELECTRONIC RAP SHEET	A	1	1	0	1	8	2.070:Y<GS>	Default to "Y"
CRI	M	2.073	CONTROLLING AGENCY IDENTIFIER	AN	1	9	1	3	36	2.073:ALAST2340<GS>	The ORI in question must be in the 2.073 valtabs table or it will be rejected.
AMP	C1	2.084	AMPUTATED OR BANDAGED				0	9	60	2.084:03USXXRS09USUP<FS>	
	M		FINGER NUMBER (FGP)	N	2	2	1	1			
	M		AMPUTATED OR BANDAGED CODE (AMPCD)	A	2	2	1	1			

Notes:

1. This field is mandatory if any finger is either amputated or rolled impression was not made.

Record Types required: Type 1, Type 2, Type 4
Under the Condition column: O = Optional; M = Mandatory; C = Conditional, see notes
Under the Character type column: A = Alphabetic; N = Numeric; S = Special characters, see notes

Table 4 -- Logical Record Layout for Type 2 Record (NFUF)

IDENTIFIER	CONDITION	FIELD NUMBER	FIELD NAME	CHARACTER TYPE	FIELD SIZE PER OCCURRENCE		OCCURRENCES		MAXIMUM NUMBER OF BYTES INCLUDING CHARACTER SEPARATORS AND FIELD NUMBER	EXAMPLE DATA	Edit Criteria
					MIN.	MAX.	MIN.	MAX.			
LEN	M	2.001	LOGICAL RECORD LENGTH	N	2	7	1	1	14	2.001:909<GS>	
IDC	M	2.002	IMAGE DESIGNATION CHARACTER	N	2	2	1	1	9	2.002:00<GS>	
RET	M	2.005	RETENTION CODE	A	1	1	1	1	8	2.005:N<GS>	Default to "N"
ATN	O	2.006	"ATTENTION" INDICATOR	ANS	3	30	0	1	37	2.006:SA J Q DOE,RM 11867<GS>	Any printable 7-bit ascii character with the exception of the period is allowed.
SCO	O	2.007	SEND COPY TO	ANS	9	19	0	9	186	2.007:NY030025P	Must be a valid ORI. Add ORI xxx.x tbl name.
OCA	O	2.009	ORIGINATING AGENCY CASE NUMBER	ANS	1	20	0	1	27	2.009:Q880312465 <GS>	Any printable 7-bit ascii character with the exception of the period is allowed.
FBI	O	2.014	FBI NUMBER	AN	1	9	0	5	56	2.014:62760NY12< GS>	This field not displayed on Live Sacn Application
SID	O	2.015	STATE IDENTIFICATION NUMBER	N	10	10	0	1	17	2.015:0123456789< GS>	This field not displayed on Live Scan application.
SOC	O	2.016	SOCIAL SECURITY ACCOUNT NUMBER	N	9	9	0	4	46	2.016:123456789< GS>	
MNU	O	2.017	MISCELLANEOUS IDENTIFICATION NUMBER	ANS	4	15	0	4	70	2.017:PP-1234567890<GS>	A hyphen is allowed as a special character. MNU position 1-2 must contain a valid prefix code.
NAM	M	2.018	NAME	AS	3	30	1	1	37	2.018:JONES,ANTHONY P<GS>	Commas, hyphens and blanks are all allowed as special characters. No space character between comma and first name allowed.
AKA	O	2.019	ALIASES	AN	3	30	0	10	316	2.019:JONES,TONYRSJONES,AP<GS>	Hyphens, commas, and blanks are all allowed as special characters. No space character between comma and first name allowed.

POB	M	2.020	PLACE OF BIRTH	A	2	2	1	1	9	2.020:VA<GS>	Must contain a valid state/nationality code.
CTZ	O	2.021	COUNTRY OF CITIZENSHIP	A	2	2	0	1	9	2.021:US<GS>	Must contain a valid nationality code.
DOB	M	2.022	DATE OF BIRTH	N	8	8	1	5	51	2.022:19800825<GS>	8 character field, expressed as YYYYMMDD in which YYYY must not exceed current date or year. MM must be a valid month (01-12);DD must be 01 to 28,29,30 or 31 depending on month and year.
SEX	M	2.024	GENDER	A	1	1	1	1	8	2.024:M<GS>	Must contain a valid sex code. M= Male, F= Female, X= Unknown
RAC	M	2.025	RACE	A	1	1	1	1	8	2.025:W<GS>	Must contain a valid race code. **A** = Asian Indian, Japanese, Chinese, Korean, Filipino, Polynesian, Indian, Indonesian. Samoan or any other Pacific Islander. **B** = Black or African American. **I** = American Indian, Eskimo, or Alaska Native. **U** = Indeterminable Race. **W** = Caucasian, Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish
SMT	O	2.026	SCARS, MARKS, AND TATTOOS	AS	3	10	0	10	116	2.026:MISS L TOERSTAT RF ARM<GS>	Must be a valid SMT code. Code table will be provided.
HGT	M	2.027	HEIGHT	AN	3	3	1	1	10	2.027:601<GS>	HGT range = 400 to 711. Unknown = 000
WGT	M	2.029	WEIGHT	N	3	3	1	1	10	2.029:182<GS>	WGT must be >024 and < 499 to be valid.
EYE	M	2.031	COLOR EYES	A	3	3	1	1	10	2.031:BLU<GS>	Must contain a valid eye code. **BLK** = black, **BLU** = blue, **BRO** = brown, **GRY** = gray, **GRN** = green, **HAZ** = hazel, **MAR** = **maroon, MUL** = **multicolored, PNK** = **pink, XXX** = **unknown**
HAI	M	2.032	HAIR COLOR	A	3	3	1	1	10	2.032:BRO<GS>	Must contain a valid hair code. **BAL** = bald, **BLK** = black, **BLN** = blonde or strawberry, **BRO** = brown, **GRY** = gray or partially gray **RED** = red or auburn, **SDY** = sandy, **WHI** = white, **XXX** = unknown, **BLU** = blue, **GRN** = green, **ONG** = orange, **PNK** = pink, **PLE** = purple
RFP	M	2.037	REASON FINGERPRINTED	ANS	1	75	1	1	82	2.037:CONSIDERING FOR EMPLOYMENT <GS>	Commas, blanks, dashes, hyphens and slashes are all allowed as special characters. RFP must be valid code from 2.037.tbl valtabs
DPR	M	2.038	DATE PRINTED	N	8	8	1	1	15	2.038:19940924<GS>	

EAD	O	2.039	EMPLOYER AND ADDRESS	ANS	1	120	0	1	127	2.039:ACE CONSTRUCTION COMPANY, 327 MAPLE AVE, BUFFALO, NY<GS>	Any printable 7-bit acsii character is allowed. Muliple space characters between text is not allowed.
OCP	O	2.040	OCCUPATION	ANS	1	50	0	1	57	2.040:PLUMBER<GS>	Any printable 7-bit acsii character is allowed.
RES	O	2.041	RESIDENCE OF PERSON FINGERPRINTED	ANS	1	120	0	1	127	2.041:5021 OAK LEAF DRIVE, COLUMBUS, OH<GS>	Any printable 7-bit acsii character is allowed.
TSR	O	2.043	TYPE OF SEARCH REQUESTED	A	1	1	0	1	8	2.043:V <GS>	Do not display on screen
IMA	O	2.067	IMAGE CAPTURE EQUIPMENT				0	1	109	2.067:DBI US 1134 US12345<GS>	Any printable 7-bit acsii character is allowed. Do not display on screen
	M		ORIGINATING FINGERPRINT READING SYSTEM MAKE (MAK)	ANS	1	25	1	1			
	M		ORIGINATING FINGERPRINT READING SYSTEM MODEL (MODL)	ANS	1	25	1	1			
RAP	O	2.070	REQUEST FOR ELECTRONIC RAP SHEET	A	1	1	0	1	8	2.070:Y<GS>	Default to "Y"
CRI	M	2.073	CONTROLLING AGENCY IDENTIFIER	AN	1	9	1	3	36	2.073:ALAST2340<GS>	The ORI in question must be in the 2.073 valtabs table or it will be rejected.
AMP	C1	2.084	AMPUTATED OR BANDAGED				0	9	60	2.084:03USXXRS09USUP<FS>	
	M		FINGER NUMBER (FGP)	N	2	2	1	1			
	M		AMPUTATED OR BANDAGED CODE (AMPCD)	A	2	2	1	1			
USS	M	2.801	FBI SEARCH?	A	1	1	1	1	8	2.801:Y <GS>	Menu choices are ABI and FBI. Operator selection of "ABI" will only search the ABI database. Selection of ABI/ FBI will search both ABI and FBI databases. Default is Y Y=Search ABI & FBI N=Search Only ABI
PRR	M2	2.802	Primary Requester number	N	3	3	1	1	10	2.802:035 <GS>	Value to be selected from Primary Requester table

SER	M2	2.803	SECONDARY REQUESTER NUMBER	N	8	8	1	1	15	2.803:12345678 <GS>	Value to be selected from Secondary Requester table
BPR	M3	2.804	BILLED PRIMARY REQUESTER NUMBER	N	3	3	1	1	10	2.804:035<GS>	Value to be selected from Primary Requester table
BSR	M3	2.805	BILLED SECONDARY REQUESTER NUMBER	N	8	8	1	1	15	2.805:12345678 <GS>	Value to be selected from Secondary Requester table

Notes:

1. This field is mandatory if any finger is either amputated or rolled impression was not made.
2. Primary and Secondary requester numbers are assigned by ABI Record Check Unit.
3. Billed Primary and Secondary requester numbers are assigned by ABI Record Check Unit.

Record Types required: Type 1, Type 2, Type 4
Under the Condition column: O = Optional; M = Mandatory; C = Conditional, see notes
Under the Character type column: A = Alphabetic; N = Numeric; S = Special characters, see notes.

Table 2 -- Logical Record Layout for Type 2 Record (SOR)

IDENTIFIER	CONDITION	FIELD NUMBER	FIELD NAME	CHARACTER TYPE	FIELD SIZE PER OCCURRENCE		OCCURRENCES		MAXIMUM NUMBER OF BYTES INCLUDING CHARACTER SEPARATORS AND FIELD NUMBER	EXAMPLE DATA	Edit Criteria
					MIN.	MAX.	MIN.	MAX.			
LEN	M	2.001	LOGICAL RECORD LENGTH	N	2	7	1	1	14	2.001:909<GS>	
IDC	M	2.002	IMAGE DESIGNATION CHARACTER	N	2	2	1	1	9	2.002:00<GS>	
RET	M	2.005	RETENTION CODE	A	1	1	1	1	8	2.005:Y <GS>	Default = "Y"
ATN	O	2.006	"ATTENTION" INDICATOR	ANS	3	30	0	1	37	2.006:SA J Q DOE,RM 11867<GS>	Any printable 7-bit acsii character with the exception of the period is allowed.
SCO	O	2.007	SEND COPY TO	AN	9	19	0	9	186	2.007:NY030025P <GS>	Must be a valid ORI.
OCA	O	2.009	ORIGINATING AGENCY CASE NUMBER	ANS	1	20	0	1	27	2.009:Q880312465 <GS>	Any printable 7-bit acsii character with the exception of the period is allowed.
FBI	O	2.014	FBI NUMBER	AN	1	9	0	5	56	2.014:62760NY12<GS>	This field not displayed on Live Sacn Application
SID	O	2.015	STATE IDENTIFICATION NUMBER	AN	8	8	0	1	17	2.015:AL12345678 <GS>	This field not displayed on Live Scan application.
SOC	O	2.016	SOCIAL SECURITY ACCOUNT NUMBER	N	9	9	0	4	46	2.016:123456789<GS>	
MNU	O	2.017	MISCELLANEOUS IDENTIFICATION NUMBER	ANS	4	15	0	4	70	2.017:PP-1234567890<GS>	A hyphen is allowed as a special character. MNU position 1-2 must contain a valid prefix code.
NAM	M	2.018	NAME	AS	3	30	1	1	37	2.018:JONES,ANTHONY P<GS>	Commas, hyphens and blanks are all allowed as special characters. No space character between comma and first name allowed.
AKA	O	2.019	ALIASES	AN	3	30	0	10	316	2.019:JONES,TONYRSJONES,AP<GS>	Hyphens, commas, and blanks are all allowed as special characters. No space character between comma and first name allowed.
POB	M	2.020	PLACE OF BIRTH	A	2	2	1	1	9	2.020:VA<GS>	Must contain a valid state/nationality code.
CTZ	O	2.021	COUNTRY OF CITIZENSHIP	A	2	2	0	1	9	2.021:US<GS>	Must contain a valid nationality code.

DOB	M	2.022	DATE OF BIRTH	N	8	8	1	5	51	2.022:19800825<GS>	8 character field, expressed as YYYYMMDD in which YYYY must not exceed current date or year. MM must be a valid month (01-12);DD must be 01 to 28,29,30 or 31 depending on month and year.
SEX	M	2.024	GENDER	A	1	1	1	1	8	2.024:M<GS>	Must contain a valid sex code. M= Male, F= Female, X= Unknown
RAC	M	2.025	RACE	A	1	1	1	1	8	2.025:W<GS>	Must contain a valid race code. **A** = Asian Indian, Japanese, Chinese, Korean, Filipino, Polynesian, Indian, Indonesian. Samoan or any other Pacific Islander. **B** = Black or African American. **I** = American Indian,
SMT	O	2.026	SCARS, MARKS, AND TATTOOS	AS	3	10	0	10	116	2.026:MISS L TOERSTAT RF ARM<GS>	Must be a valid SMT code. Code table will be provided.
HGT	M	2.027	HEIGHT	AN	3	3	1	1	10	2.027:601<GS>	HGT range = 400 to 711. Unknown = 000
WGT	M	2.029	WEIGHT	N	3	3	1	1	10	2.029:182<GS>	WGT must be >024 and < 499 to be valid.
EYE	M	2.031	COLOR EYES	A	3	3	1	1	10	2.031:BLU<GS>	Must contain a valid eye code. **BLK** = black, **BLU** = blue, **BRO** = brown, **GRY** = gray, **GRN** = green, **HAZ** = hazel, **MAR = maroon, MUL = multicolored, PNK = pink, XXX = unknown**
HAI	M	2.032	HAIR COLOR	A	3	3	1	1	10	2.032:BRO<GS>	Must contain a valid hair code. **BAL** = bald, **BLK** = black, **BLN** = blonde or strawberry, **BRO** = brown, **GRY** = gray or partially gray **RED** = red or auburn, **SDY** = sandy, **WHI** = white, **XXX** = unknown, **BLU** = blue, **GRN** = green, **ONG** = orange, **PNK** = pink, **PLE** = purple
PPA	M	2.035	"PALM PRINTS AVAILABLE" INDICATOR	A	1	1	0	1	8	2.035:Y <GS>	
PHT	M	2.036	"PHOTO AVAILABLE" INDICATOR	A	1	1	0	1	8	2.036:Y <GS>	
EAD	O	2.039	EMPLOYER AND ADDRESS	ANS	1	120	0	1	127	2.039:ACE CONSTRUCTION COMPANY, 327 MAPLE BUFFALO, NY<GS>	Any printable 7-bit acsii character is allowed. Muliple space characters between text is not allowed.
OCP	O	2.040	OCCUPATION	ANS	1	50	0	1	57	2.040:PLUMBER<GS>	Any printable 7-bit acsii character is allowed.
RES	M	2.041	RESIDENCE OF PERSON FINGERPRINTED	ANS	1	120	0	1	127	2.041:5021 OAK LEAF DRIVE, COLUMBUS, OH<GS>	Any printable 7-bit acsii character is allowed. Muliple space characters between text is not allowed.

DOA	O	2.045	DATE OF ARREST	N	8	8	1	1	15	2.045:19940924<GS>	8 character field expressed as YYYYMMDD. In which YYYY must not exceed current date or year. Date must be = or < current date. MM must be valid month (0-12). DD must be 01 to 28, 29, 30 or 31 depending on month and year. Must be < or = type 1 field 1.05 DAT
ASL	M	2.047	SOR (Sex Offender Registration)	AS			1	1	311	2.047:19940915<US> 9999SEX OFFENDER REGISTRATION-<GS>	2.047:DOR<US>0999SEX OFFENDER REGISTRATION-<GS>
											DOR - 19940915 - 8 character field expressed as YYYYMMDD. In which YYYY must not exceed current date or year. MM must be valid month (01-12);DD must be 01 to 28, 29, 30 or 31 depending on month and year
	M1		DATE OF REGISTRATION (DOR)	N	8	8	0	1			NCIC CODE=9999 (4 Digit code to be provided)
											SOR = SEX OFFENDER REGISTRATION-
											NOTE: 1)There is no space between NCIC code and SOR. (2) A dash always follows SOR text. No space following the dash.
ICO	O	2.056	IDENTIFICATION COMMENTS	AN	1	50	0	1	57	2.056:ARMED AND DANGEROUS<GS	Any printable 7-bit acsii character is allowed.
IMA	O	2.067	IMAGE PROCESSING FIELD				0	1	109	2.067:DBIUS1134 US12345<GS>	Any printable 7-bit acsii character is allowed. Do not display on screen
	M		ORIGINATING FINGERPRINT READNG SYSTEM MAKE (MAK)	ANS	1	25	1	1			
	M		ORIGINATING FINGERPRINT READNG SYSTEM MODEL (MODL)	ANS	1	25	1	1			
RAP	M	2.070	REQUEST FOR ELECTRONIC RAP SHEET	A	1	1	0	1	8	2.070:Y<GS>	Must = "Y"
CRI	M	2.073	CONTROLLING AGENCY IDENTIFIER	AN	1	9	1	3	36	2.073:ALAST0045 <GS>	The ORI in question must be in the 2.073 valtabs table or it will be rejected.
AMP	C2	2.084	AMPUTATED OR BANDAGED				0	9	60	2.084:03<US>XX<RS>09<US>UP<FS>	
	M		FINGER NUMBER (FGP)	N	2	2	1	1			

	M		AMPUTATED OR BANDAGED CODE (AMPCD)	A	2	2	1	1			
TAA	O3	2.087	Treat as Adult	A	1	1	0	1	8	2.087: Y<GS>	If not "Y" then omit
JUV	O3	2.800	JUVENILE SUBMISSION	A	1	1	0	1	8	2.800: Y<GS>	If not "Y" then omit

Notes:

1. The DOR (Date of Registration) portion of this field is mandatory. Use date of registration.
2. This field is mandatory if any finger is either amputated or rolled impression was not made.
3. If TAA = "Y" then JUV field must be omitted. If JUV = "Y" then TAA field must be omitte

Record Types required: Type 1, Type 2, Type 4
Under the Condition column: O = Optional; M = Mandatory; C = Conditional, see notes
Under the Character type column: A = Alphabetic; N = Numeric; S = Special characters, see notes

NIST Type 10 CAR

TABLE 5 -- FIELD LIST FOR TYPE-10 (CRIMINAL PHOTO) LOGICAL RECORDS

IDENTIFIER	CONDITION	FIELD NUMBER	FIELD NAME	CHARACTER TYPE	FIELD SIZE PER OCCURRENCE		OCCURRENCES		MAXIMUM NUMBER OF BYTES INCLUDING CHARACTER SEPARATORS AND FIELD	EXAMPLE DATA	SPECIAL CHARACTERS ALLOWED
					MIN.	MAX.	MIN.	MAX.			
LEN	M	10.001	LOGICAL RECORD LENGTH	N	3	7	1	1	15	10.001:909<GS>	
IDC	M	10.002	IMAGE DESIGNATION CHARAC	N	1	4	1	1	12	10.002:0200<GS>	
IMT	M	10.003	IMAGE TYPE	A	4	6	1	1	14	10.003:FACE<GS>	
SRC	M	10.004	SOURCE AGENCY/ORI	AN	9	20	1	1	28	10.004:NY0303000S<GS>	
PHD	M	10.005	PHOTO DATE	N	8	8	1	1	16	10.005:19960201<GS>	
HLL	M	10.006	HORIZONTAL LINE LENGTH	N	3	4	1	1	12	10.006:480<GS>	
VLL	M	10.007	VERTICAL LINE LENGTH	N	3	4	1	1	12	10.007:600<GS>	
SLC	M	10.008	SCALE UNITS	N	1	1	1	1	9	10.008:0<GS>	
HPS	M	10.009	HORIZONTAL PIXEL	N	2	4	1	1	12	10.009:01<GS>	
VPS	M	10.010	VERTICAL PIXEL SCALE	N	2	4	1	1	12	10.010:01<GS>	
CGA	M	10.011	COMPRESSION ALGORITHM	A	4	6	1	1	14	10.011:JPEGB<GS>	
CSP	M	10.012	COLOR SPACE	A	3	4	1	1	12	10.012:YCC<GS>	
POS	M	10.020	SUBJECT POSE	A	1	1	1	1	9	10.020:L<GS>	
POA	O	10.021	POSE OFFSET ANGLE	N	1	4	0	1	12	10.021:45<GS>	
PXS	O	10.022	PHOTO DESCRIPTION	A	3	20	0	9	196	10.022:GLASSES<GS>	
DAT	M	10.999	IMAGE DATA	B	2	5000000	1	1	5000008	10.999:image data<FS>	

TABLE 5 -- FIELD LIST FOR TYPE-15 (CRIMINAL PALM) LOGICAL RECORDS

IDENTIFIER	CONDITION	FIELD NUMBER	FIELD NAME	CHARACTER TYPE	FIELD SIZE PER OCCURRENCE		OCCURRENCES		MAXIMUM NUMBER OF BYTES INCLUDING CHARACTER SEPARATORS
					MIN.	MAX.	MIN.	MAX.	
LEN	M	15.001	LOGICAL RECORD LENGTH	N	4	8	1	1	15
IDC	M	15.002	IMAGE DESIGNATION CHARACT	N	2	5	1	1	12
IMP	M	15.003	IMPRESSION TYPE	N	2	2	1	1	9
SRC	M	15.004	SOURCE AGENCY / ORI	AN	10	36	1	1	43
PCD	M	15.005	PALMPRINT CAPTURE DATE	N	9	9	1	1	16
HLL	M	15.006	HORIZONTAL LINE LENGTH	N	4	5	1	1	12
VLL	M	15.007	VERTICAL LINE LENGTH	N	4	5	1	1	12
SLC	M	15.008	SCALE UNITS	N	2	2	1	1	9
HPS	M	15.009	HORIZONTAL PIXEL SCALE	N	2	5	1	1	12
VPS	M	15.010	VERTICAL PIXEL SCALE	N	2	5	1	1	12
CGA	M	15.011	COMPRESSION ALGORITHM	AN	4	6	1	1	14
BPX	M	15.012	BITS PER PIXEL	N	2	3	1	1	10
PLP	M	15.013	PALMPRINT POSITION	N	3	3	1	1	10
RSV		15.014-15.015	RESERVED FOR FUTURE DEFIN	--	--	--	--	--	--
SHPS	O	15.016	SCANNED HORIZONTAL PIXEL S	N	2	5	0	1	12
SVPS	O	15.017	SCANNED VERTICAL PIXEL SCA	N	2	5	0	1	12
RSV		15.018-15.019	RESERVED FOR FUTURE DEFIN	--	--	--	--	--	--
COM	O	15.020	COMMENT	AN	2	128	0	1	135
RSV		15.021-15.023	RESERVED FOR FUTURE DEFIN	--	--	--	--	--	--
PQM	O[1]	15.024	PALMPRINT QUALITY METRIC	N	13	38	0	4	159
RSV		15.025-15.029	RESERVED FOR FUTURE DEFIN	--	--	--	--	--	--
DMM	O	15.030	DEVICE MONITORING MODE	A	8	11	0	1	18
RSV		15.031-15.199	RESERVED FOR FUTURE DEFIN	--	--	--	--	--	--
UDF	O	15.200-15.998	USER-DEFINED FIELDS	--	--	--	--	--	--
DATA	M	15.999	IMAGE DATA	B	2	--	1	1	--

Notes: 1. See table below for field 15.024

Palm Position	Palm Code	Width		Height	
		(mm)	(in)	(mm)	(in)
Unknown Palm	20.000	139.7	5.5	203.2	8
Right Full Palm	21.000	139.7	5.5	203.2	8
Right Writer Palm	22.000	44.5	1.8	127	5
Left Full Palm	23.000	139.7	5.5	203.2	8
Left Writer Palm	24.000	44.5	1.8	127	5
Right Lower Palm	25.000	139.7	5.5	139.7	5.5
Right Upper Palm	26.000	139.7	5.5	139.7	5.5
Left Lower Palm	27.000	139.7	5.5	139.7	5.5
Left Upper Palm	28.000	139.7	5.5	139.7	5.5
Right Other	29.000	139.7	5.5	203.2	8

Left Other	30.000	139.7	5.5	203.2	8
Right Interdigital	31.000	139.7	5.5	76.2	3
Right Thenar	32.000	76.2	3	114.3	4.5
Right Hypothenar	33.000	76.2	3	114.3	4.5
Left Interdigital	34.000	139.7	5.5	76.2	3
Left Thenar	35.000	76.2	3	114.3	4.5
Left Hypothenar	36.000	76.2	3	114.3	4.5