Georgia Bureau of Investigation
Live Scan Data Transmission Specification

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1   Introduction

For over a century, fingerprinting has been the primary means of personal and arrest identification. Current technology provides an electronic fingerprint capture method via a live scan device that replaces the inked card process.

A live scan device produces records by electronically scanning and capturing fingerprint images. The live scan process requires no ink and uses advanced electronics to ensure accurate image capture for better quality images. Live scan capture is proven to save time and effort and greatly improves the quality of fingerprints at arrest bookings and applicant processing centers.

Live scan devices represent the major input component for images to the state and national identification. These electronic images are received by the site's Automated Fingerprint Identification System (AFIS) and a search is automatically initiated to determine proper identification. Depending on workflow processes identification responses are available to the live scan device that submitted the transaction within a varied timeframe of 5 minutes to 24 hours.

As part of an arrest transaction in addition to submitting fingerprints, live scan devices currently have the ability to capture and submit palm prints and Type 10 digital image records of arrest photographs from NIST compliant mugshot systems to the Georgia Bureau of Investigation's (GBI) AFIS. Live scan and mugshot vendors should comply with the ANSI/NIST-ITL 1-2011 Best Practices for Facial Capture standard to ensure facial images are submitted in the desirable format.

The successful capture of palm prints aides in the retention of palm prints within the GBI AFIS and for enrollment into the Federal Bureau of Investigation's (FBI) National Palm Print System (NPPS). For palm print enrollment into the NPPS, palm print capture systems must be compliant with the Electronic Biometric Transmission Specification (EBTS) v 10.0 "Best Practices" appendix. Please note that the EBTS v10.0 requires a "full palm" for enrollment into NPPS and the definition of "full palm" can be found in EBTS v10.0 Appendix P and A Practical Guide for Palm Print Capture at www.fbibiospecs.org.

2   Standards

Live scan systems must comply with the FBI's Integrated Automated Fingerprint Identification System (IAFIS) Image Quality Specifications (IQS). IAFIS is developed according to standards which establish an infrastructure for the exchange of fingerprint identification information between local, state and federal users, and between those users and the FBI. To exchange fingerprint identification data effectively across jurisdictional lines or between dissimilar systems made by different manufactures, standards are needed to specify a common format for the data exchange. Therefore, live scan devices are required to meet the FBI's IAFIS standards and those amended by GBI to include the following.

- **American National Standards Institute/National Institute of Standards and Technology (ANSI/NIST) – Information Technology Laboratory (ITL) 1-2011 American National Standard, November 2011** (ANSI/NIST—ITL 1-2011) - This document provides guidelines for the exchange of biometric information between various federal, state, local tribal and international AFIS systems.

- **Criminal Justice Information Services Electronic Biometric Transmission Specification (EBTS),** (v10.0 July 2, 2013) - This document specifies the file and record content, format, and data codes necessary for the exchange of fingerprint and biometric identification information between federal, local and state users and the FBI. It provides a description of all requests and responses associated with electronic fingerprint identification services. It also establishes error messages, specific compression algorithms for the exchange of fingerprint image information, and image quality assurance methods.

- **WSQ Gray Scale Fingerprint Image Compression Specification** (v3.1 October 10, 2010). - Specifies a class of encoders for converting source fingerprint image data to compressed image data; a decoder process for converting compressed image data to reconstructed fingerprint image data; and coded representations for compressed image data.

- **Georgia Bureau of Investigation Live Scan Data Transmission Specification** (GBI May 2014). - This document contains specifications that govern how live scan devices will electronically submit fingerprint and text data to the Georgia Bureau of Investigation's NIST File Collector (NFC).

- **Criminal Justice Information Services Security Policy Version 5.2 Standard Authentication (Password)** (August 9, 2013) - Agencies shall follow the secure password attributes, below, to authenticate an individual's unique User ID. Passwords shall:

     1. Be a minimum length of eight (8) characters on all systems.
     2. Not be a dictionary word or proper name.
     3. Not be the same as the User ID.
     4. Expire within a maximum of 90 calendar days.
     5. Not be identical to the previous ten (10) passwords.
     6. Not be transmitted in the clear outside the secure location.
     7. Not be displayed when entered.

- **Social Security Administration SSN Changes** (June 2011) - In an effort to increase the number of SSNs available for use by the Social Security Administration (SSA) and in order to help reduce identity theft, SSA plans to change the methodology by which SSNs are issued.

1. SSA will issue SSNs with the number "8" in position 1.
2. SSA will include all possible SSNs with the number "7" in position 1.

- **FBI Practical Guide for Palm Print Capture – Document Overview** (May 5, 2013) - The FBI's Next Generation Identification (NGI) has deployed a new National Palm Print System (NPPS). The NPPS will facilitate the storage and search of both known and unknown palm prints and will also enable users to compare latent palm prints left at crime scenes against this centralized national repository. In order to ensure the NPPS has a gallery of high quality known palm prints, the NGIPO has developed this guide to enhance user understanding of the palm anatomy and to provide a practical look at best practices for their capture, based on what works best with the new NGI matching algorithms.

3 Live Scan Data Transmission Specification

3.1 Introduction/Overview

This section contains specifications that govern how live scan devices will submit fingerprint and text data to the Georgia Bureau of Investigation NIST File Collector (NFC). The discussion is limited to software and procedural considerations.

3.1.1 Connection Prerequisites

Live scans will need to be capable of sending and receiving via FTP for the following:

- Sending of NIST submissions to GBI

- Receiving acknowledgments of submission from GBI

- Checking configuration parameters

- Checking for valtab updates

- Downloading valtab updates

Live scans will also need to be capable of receiving messages via POP3 for the following purposes:

- Identification responses related to submissions

- Rejection responses related to submissions

- Rapsheet responses related to submissions

- Non-standard administrative messages from the central site

Before a live scan device can connect to the GBI, it will need to be provided with the following items:

- Device ID

- Group ID

- FTP and POP 3 user id

- FTP and POP3 Password

- Network connection information including TCP/IP address. (See Section 6 for network connection options)

- Host Address to access FTP and POP3

- The name of the "common" partition to retrieve its environment file from.

3.1.2 FTP General Description

The general flow for FTP is as follows:

Upon initial connection to GBI:

1. Check environment configuration file to determine live scan directory and check intervals

2. Check for updated validation tables and update internal validation tables accordingly.

When submitting a NIST submission:

1. Check for presence of "SUBMIT" file.

2. Place NIST file in device submission directory.

3. After NIST file has completed being placed in device submission directory, place signal file in sigfiles directory

Checks to make periodically while connected:

1. Check device outfile directory, no less often than minimum check interval and no more often than maximum check interval, for acknowledgment files and or administrative file messages.

2. At least once a day or upon user initiated request, check for updated validation tables and update internal validation tables accordingly

3.2   FTP Processes

3.2.1   Check Environment Configuration File For Group

Whenever the live scan is turned on and makes its initial connection to GBI via FTP, it must check its environment configuration file to determine directories and minimum/ maximum acknowledgment/message checking intervals. The environmental configuration file is located in the envfiles folder of the common partition. The file name to retrieve is the same name as the device Group ID. For example if the common partition is "/lscommon" and the device Group ID is grp1, the environment configuration file will be located at /lscommon/envfiles/grp1.

The environment configuration file is a one line text file containing three parameters:

- The base directory location for the live scan device group.

- The minimum interval to check for acknowledgement files and response messages in minutes.

- The maximum interval to check for acknowledgement files and response messages in minutes.

The environment configuration file base directory along with Group ID and Device ID are used to determine directory paths for the live scan.

Example:

Device ID is 001

Group ID is grp1

Common partition is "/lscommon"

Live scan makes initial connection and retrieves /lscommon/envfiles/grp1 file which contains the following information:

/LSDIR1,2,60

From the above information, the live scan should then configure itself as follows:

- Device submission directory for NIST files: /LSDIR1/grp1/001

- Sigfiles directory for signal file when submitting NIST files: /LSDIR1/sigfiles

- Device outfile directory to check for submission acknowledgment and administrative file messages: /LSDIR1/grp1/001/out

- Minimum time frame between checks of outfile directory: 2 minutes.

- Minimum time frame between checks of POP3 mailbox for messages: 2 minutes

- Maximum time frame between checks of outfile directory: 60 minutes

- Maximum time frame between checks of POP3 mailbox for messages: 60 minutes

3.2.2   Check For and Update Live Scan Validation Tables

Whenever the live scan is turned on and makes its initial connection to GBI via FTP and at least once a day thereafter or upon user request, it must check to see if validation tables have been updated and update appropriate tables on the device if they have been

The basic process for checking and updating validation tables is as follows:

1. Retrieve revision control file from GBI FTP server. This file is located in the valtabs folder of the common partition and is called revcon.dta (revcon.tst in test mode). For example, if the common partition is "/lscommon", retrieve /lscommon/valtabs/revcon.dta.

2. The first line of the revision control file contains the most recent date and time a validation table file was updated. It will contain this information in the form yyyyjjjhhmm where "yyyy" is the year, "jjj" is the Julian date, and "hhmm" is the hour and minutes in 24 hour format. If the locally maintained copies of the files are up to date as of that date and time, it is not necessary to check further.

3. If the most recent revision date/time on the first line in revcon.dta is more recent than the live scan's last table update, the remaining lines of the file should be scanned for tables that have been updated since its last check. The first part of each subsequent line contains a date/time of update for a particular valtab table file (in the same yyyyjjjhhmm format as the first line) followed by the valtab table file name minus extension. The live scan should retrieve any valtab table files that have been updated since its last check. So, if the live scan determines that the file "cnt" needs to be updated and the common partition is "/lscommon", the live scan should retrieve the file /lscommon/valtabs/cnt.txt.

4. The live scan should replace the values in its internal tables with the values downloaded in the updated files. The validation table files are fixed width delimited text files. The format of each file and the revision control file itself is described in Section 31.

3.2.3   Sending a NIST Submission

The process for sending a NIST submission is as follows:

1. Prior to sending any submissions, the live scan needs to check the device outfile directory for a file named "SUBMIT". If this file is present, the AFIS is ready to receive submissions. If the file is not present, the live scan may not send any submission at this time. If the file is not present and the live scan has files waiting for submission, it should check periodically (between the minimum

and maximum check intervals) for the presence of the "SUBMIT" file until it becomes present again, at which time the submissions may be sent.

2. Following the gathering of fingerprint and demographic information, the live scan shall create a NIST file that conforms to the specifications outlined in this document (NIST file format with all required fields present and all information sent following proper edit specifications). The file name shall be in the form ddhhmmss (no extension) where "dd" is the day of the month and 'hhmmss' is the time to the second in 24 hour format that the submission is being sent. So, for example, if the file is being sent on the 26th of the month at 1:15:30pm, the file name shall be "26131530".

3. The live scan shall create a signal file with the same name as the NIST file created above and an extension of the Device ID assigned to the livescan. Using the same example from step 1, if the live scan device id was "001", the signal file name will be "26131530.001". The contents of the signal file will contain a minimum of the following:

    - SIGF: followed by the signal file name on a line by itself. (e.g. "SIGF:26131530.001")

    - __END__ (two underscore characters before and after "END") as the end of the file on a line by itself.

    The contents may contain additional information used by the live scan as the information in the signal file will be returned in the acknowledgment but the above two lines must be present and "__END__" must be the last line in the file. **NOTE: If the signal file contents are invalid, the submission will not be processed by AFIS and no acknowledgment will be sent.**

4. The NIST file created in Step 2 shall be transmitted via FTP to the device submission directory.

5. Upon successful **completion** of transmission of the NIST file to the device submission directory, the signal file created in Step 3 shall be transmitted to the signal files directory**. NOTE: If the signal file is sent before the NIST file is fully sent, this may result in the AFIS system not finding the NIST file or attempting to process an incomplete NIST file. In the former case, the signal file would be removed and no acknowledgment sent. The latter case will result in submission rejection.**

3.2.4   Checking Outfile Directory

The live scan outfile directory is where AFIS places acknowledgment files (indicating receipt of submissions) and standard administrative messages such as when the system is started up or shut down. The outfile should be checked not more often than the minimum check time in minutes and not less often than the maximum check time in minutes.

Checking the outfile directory is done as follows:

1. FTP to device outfile directory.

2. Retrieve all files in directory **except** "SUBMIT" file if it is present.

3. After retrieving a file, remove it from the directory.

The different types of outfiles are described in the next couple of subsections.

3.2.4.1   Administrative Outfile

An Administrative outfile will have the format ddhhmmss.mad where "dd" is the day of the month and "hhmmss" is the time to the second in 24 hour format the file was created and placed in the outfile directory. An administrative outfile contains the following information:

- RC: <admin code>
- MSG: <message text>
- __END__

<admin code> will be one of the following:

Admin Code	Description
92	NIST File Collector (NFC) shutting down (Live scans will not be able to submit)
93	NIST File Collector (NFC) starting up
99	Administrative message (contents vary)

Table 3-1: Admin Codes

3.2.4.2   *Submission Acknowledgment Outfile*

A submission acknowledgment outfile will have the same file name as the sigfile the submission was submitted with and will contain the information contained within the sigfile plus a 10 digit SAN.

3.2.5   Resending a NIST Submission

In very rare (unforeseen) circumstances, it is possible that a live scan may make a submission and that submission gets "lost". In such a case, the live scan may wish to automatically resubmit after the maximum time frame between checks of outfile has elapsed. Before automatically resubmitting, check the following:

1. Verify the signal file is not still in the sigfiles directory. If it is, the system has not picked up the original submission yet. Do not resubmit.

2. Verify the outfile for the submission is not present one last time before resending.

If the above is true, the submission may be resent using the same sending procedure in Section 3.2.3.

If a resent transaction was, in fact, already received and either in process or completed, then a reject message will be returned for the submission indicating the transaction is in process or already completed.

3.3   Checking for Responses via POP3

AFIS messages and responses other than outfiles described in Section 3.2.4 will be sent as e-mail messages. Each live scan device will have its own mailbox. The mailbox should be checked and cleared of messages not more often than the minimum check time in minutes and not less often than the maximum check time in minutes.

Checking the mailbox is done as follows:

1. Log into mailbox using device POP3 user id and password.

2. Check for and retrieve all messages in mailbox.

3. When messages are successfully *retrieved* (not necessarily processed by the device), the messages are to be removed from the mailbox. Maintaining retrieved messages until they complete any device processing is the responsibility of the live scan device, not AFIS.

3.3.1   Notes on POP3 Responses

A couple of notes on POP3 responses:

1. The subject lines are static except where identifying information is placed which is typically a set length. The subject line can thus be programmatically scanned to extract information.

2. For tagged text responses, the tag will be in all caps and followed by a comma (e.g. "LS TCN:"). The remainder of the line will contain the information associated with the tag. These tag lines can also be used to programmatically extract information (such as identifying numbers) from the response. The exception to this rule is the "NOTE n:" tag. The "NOTE n:" tag contains free text information that is subject to change at any time. Do not programmatically scan "NOTE n:" tag lines to extract information.

3. Additional tags may be added to messages and the specification will be updated but the addition of a tag should not "break" the processing of a response by a live scan. Changing the order of display for tagged information should not "break" processing, either (though this is not expected to occur). Should it be decided by GBI to remove a tag from a message, vendors will be given notice of this change and adequate time to make changes.

4. It is not recommended to programmatically scan the contents of a GBI Rapsheet response or the rapsheet portion of an FBI/DHS response. The layout of these is not under AFIS control and could change.

3.4   POP3 Standard Message Formats

Standard POP3 messages will be sent from the mail account tnetsystem@TNET02.GBITNET.local.   The standard POP3 message formats are described below.

3.4.1   GBI Reject Message Format

Reject messages are sent as a response when AFIS has found issues with the demographics, fingerprints, and/or images sent that prevent processing of the submission.

3.4.1.1   E-Mail Subject Line

The e-mail subject line for a GBI Reject message is as follows:

mrj TCN: <LS TCN> - GBI Reject Response

where <LS TCN> is the Live Scan TCN (NIST Tag 1.09) of the submission the reject message is referring to. If the response is a resend of a prior message, " RESEND" will be appended to the end of the subject line

3.4.1.2   E-Mail Message Contents

The e-mail message contents for a GBI Reject message is as follows:

TYPE:mrj
LSTCN:<LS TCN>
GBITCN:<GBI TCN>
DATE/TIME: <yyyy-mm-dd hh:mm:ss>
NAME:<Name>
RESUBMITTCR: <TCR>
RCODE: <Reject Code>
RLITERAL: <Reject Description>
NOTE n: " <Note Contents>

where:

- <LS TCN> - is the live scan TCN (NIST Tag 1.009)

- <GBI TCN> - is the GBI issued TCN for the submission

- <yyyy-mm-dd hh:mm:ss> – Date and time submission was rejected

- <Name> - Name of subject submitted with transaction (NIST Tag 2.018)

- <TCR> - The Transaction Reference (TCR) to be used when resubmitting. If this cannot be determined, then "CANNOT DETERMINE" will be displayed. This situation could occur if a transaction was resubmitted with an incorrect TCR. If TCR should not be specified on resubmission at all, "DO NOT SPECIFY" will be displayed

- <Reject Code> - 4 character reject code identifying a reason for rejection.

- <Reject Description> - Description of reject for previously listed code. This will also often have information about where in the NIST file the reject occurred.

- <Note Contents> - Free text contents of NOTE n.

There may be multiple occurrences of RCODE followed by RLITERAL, one set for each reason rejected. There may be multiple occurrences of NOTE n (or none at all) following the RCODE/RLITERAL pairs.

3.4.2   GBI Identification Response Format

The GBI Identification Response is sent when AFIS has finished its identification and criminal history updates. GBI is what is referred to as an "NFF state". In the event AFIS has positively identified the individual, it is likely there will not be a subsequent FBI ID response. GBI will simply include the FBI number in the ID response and request rapsheet information from other states to include in its own rapsheet response.

3.4.2.1   E-Mail Subject Line

The e-mail subject line for a GBI Identification Response is as follows:

mid TCN: <LS TCN> - GBI Identification Response

where <LS TCN> is the Live Scan TCN (NIST Tag 1.09) of the submission the identification message is referring to. If the response is a resend of a prior message, " RESEND" will be appended to the end of the subject line.

3.4.2.2   E-Mail Message Contents

The e-mail message contents for a GBI Identification Response will vary some depending on the type of transaction and whether it is an ident or non-ident response. A list of all the tags is shown below and an explanation of the differences will follow:

TYPE:mid
LSTCN:<LS TCN>
GBITCN:<GBI TCN>
DATE/TIME:<yyyy-mm-dd hh:mm:ss>
NAME:<Name>
SID:<GA SID>
OTN:<GA OTN>
OCA:<Agency OCA>
SRN:<SRN>
FBI/UCN:<FBI/UCN>

IDENT:<IDENT RESULT>
RAPRESP: <Rapsheet response information>
FBIRESP:<FBI Response Information>
SEXOFF:<Sex Offender Notice>
NSOR:<Name search only result>

The tags and their values are discussed below:

- TYPE:mid – Message Type value is always "mid" for this type of response.

- LSTCN:<LS TCN> - Live Scan TCN of submission (NIST Tag 1.009)

- GBITCN:<GBI TCN> - GBI issued TCN for submission

- DATE/TIME:<yyyy-mm-dd hh:mm:ss> - Date/Time of Identification Response

- NAME:<Name> - Name of subject *as identified by AFIS*. May not be name originally submitted.

- SID:<GA SID> - Georgia SID number assigned to subject. If transaction is applicant with no reportable history, value here will be "NoRecord".

- OTN:<GA OTN> - For criminal/juvenile transaction types, will contain the Georgia OTN assigned to the arrest cycle. For other transaction types, this will be empty.

- OCA:<Agency OCA> - For transactions where agency submitted an OCA number, the number submitted will appear here. Otherwise it will be empty. This tag does not appear for SEX transactions.

- SRN:<SRN> - For SEX transactions only will contain the Sex Offender Record Number (SRN). This tag will not appear for other transaction types.

- FBI/UCN:<FBI/UCN> - When available, will be populated with FBI Number or FBI UCN of subject. Otherwise, this tag will not appear

- IDENT: <Ident Result> - Contains Identification result from GBI search. This varies by ident result and transaction type. Explanation of possible results is explained a little later.

- RAPRESP: < Rapsheet response information > - Explains whether GBI rapsheet response is forthcoming, not requested, or not applicable. Explanation of possible results is explained later.

- FBIRESP:<FBI Response Information> - Explains whether FBI response information is included, forthcoming, or not applicable. Explanation of possible results is explained later.

- SEXOFF:<Sex Offender Notice> - If the subject is identified and is registered in the Georgia Sex Offender Registry, this tag will be presented and will contain "SUBJECT IS GEORGIA REGISTERED SEX OFFENDER". Otherwise, this tag will not appear. This tag will also not appear for SEX transactions.

- NSOR:<Name search only result> - If an applicant submission has unfixably poor print quality, GBI may elect to perform a CCH namesearch instead of a fingerprint based search. If that occurs, the warning "FINGERPRINTS WERE REJECTED FOR UNFIXABLE POOR QUALITY. ABOVE RESULT IS BASED UPON NAME AND DEMOGRAPHIC SEARCH ONLY" will be displayed here. Otherwise, this tag will not appear.

<Ident Result> has the following possible cases:

- "RECORD ON FILE" – For any transaction for which there was a GA SID on file and available criminal history.

- "NO RECORD ON FILE" – When a criminal search results in a non-ident (new offender)

- "NO GEORGIA CRIMINAL HISTORY IS AVAILABLE FOR THIS REQUEST" – When an applicant search results in a non-dent or there is otherwise no criminal history information available for the type of search requested.

< Rapsheet response information > has the following possible cases:

- "PLEASE WAIT FOR GBI RAPSHEET RESPONSE" – A GBI Rapsheet has been requested and will be forwarded to submitter when received.

- "RAPSHEET NOT REQUESTED" – Submitter did not request rapsheet results (NIST Tag 2.070 was set to "N" on submission) or transaction type does not request/return rapsheets. There will be no GBI Rapsheet sent nor will there be a rapsheet in an FBI response if the FBIRESP: tag indicates an FBI response is to be expected.

- "NO GBI RAPSHEET FOR THIS SUBMISSION" – There is no criminal history available for the type of search requested. There will be no GBI Rapsheet sent.

<FBI Response Information> has the following possible cases:

- "PLEASE WAIT FOR FBI RESPONSE" – Transaction has been forwarded to FBI for FBI search and an additional response from the FBI should be expected.

- "FBI CRIMINAL HISTORY IS INCLUDED IN GBI RAPSHEET IF REQUESTED" – Subject has been identified at GBI and out of state criminal history has been requested via GA CCH and will be included in the GBI Rapsheet if a rapsheet was requested by the submitter. An additional FBI response should *not* be expected.

- "NO FBI CRIMINAL HISTORY IS AVAILABLE FOR THIS REQUEST" – No out of state criminal history is available for the type of search requested. An additional FBI response should *not* be expected.

- "GEORGIA CHECK ONLY. FBI CHECK NOT REQUESTED" – The type of search requested did not include an FBI search. An additional FBI response should *not* be expected.

3.4.3   GBI Rapsheet Response Format

The GBI Rapsheet Response contains the GBI Rapsheet requested from CCH for the transaction.

3.4.3.1   *E-Mail Subject Line*

The e-mail subject line for a GBI Rapsheet Response is as follows:

Merged AFIS Rapsheets for GA-CCH TCN <GBI TCN>, Requesting ORI <CRI>, LSTCN <LS TCN>

If the response is a resend of a prior message the message subject will be as follows:

Merged AFIS Rapsheets for GA-CCH TCN <GBI TCN>, Requesting ORI <CRI> (ReSend), LSTCN <LS TCN>

In both cases:

- <GBI TCN> - is the GBI assigned TCN

- <CRI> - is the Controlling Agency ORI (NIST Tag 2.073)

- <LS TCN> - is the Live Scan TCN (NIST Tag 1.009) of the submission.

3.4.3.2   E-Mail Message Contents

The e-mail message contents for a GBI Rapsheet Response is the contents of the GBI rapsheet received by AFIS from CCH (NOTE: GBI rapsheets may include results from other states. If so, this will be noted inside the rapsheet). GBI Rapsheets are lengthy and subject to change in format. A sample rapsheet is not provided here.

3.4.4   Unified Identification/Rapsheet Response Format

The Unified Identification Response returns the GBI and FBI results and/or rapsheets as a single message. This is done for applicant transactions to simplify the response process. The Unified Identification response, unlike most other plain text responses, is an HTML formatted response with inline images.

3.4.4.1   E-Mail Subject Line

The e-mail subject line for a GBI Unified Identification/Rapsheet Response is as follows:

uid TCN: <LS TCN> - GBI Unified Identification Response

where <LS TCN> is the Live Scan TCN (NIST Tag 1.09) of the submission the unified identification response is referring to. If the response is a resend of a prior message, " RESEND" will be appended to the end of the subject line.

3.4.4.2   E-Mail Message Contents

The e-mail message contents for a GBI Unified Identification/Rapsheet Response is as follows:

<GBI Logo Image> <GBI Address/Phone Information>
LSTCN:1232545545
GBITCN:54654654654665
DATE/TIME:2013-10-11 07:37:48
NAME:LAST, FIRST MIDDLE (TNET SUBMITTED NAME)
PHOTO:
<Photo if applicable>
<Name search result only warning if applicable>
<Results summary>
<GBI Rapsheet Information if present>

< FBI Rapsheet Information if present>
<FBI Reject/Name Search form if applicable>

The tags and their values are discussed below:

- LSTCN:<LS TCN> - Live Scan TCN of submission (NIST Tag 1.009)

- GBITCN:<GBI TCN> - GBI issued TCN for submission

- DATE/TIME:<yyyy-mm-dd hh:mm:ss> - Date/Time of Unified Identification Response

- NAME:<Name> - Name of subject as submitted by agency.

- PHOTO - If subject "hits" at GBI and photo is available, most recent subject photo available will be displayed below this line. Otherwise "PHOTO NOT AVAILABLE" will be displayed on the same line following the tag.

- Name search result only warning if applicable - If an applicant submission has unfixably poor print quality, GBI may elect to perform a CCH namesearch instead of a fingerprint based search. If that occurs, "FINGERPRINTS WERE REJECTED FOR UNFIXABLE POOR QUALITY. THE FOLLOWING GEORGIA RESULT IS BASED UPON NAME AND DEMOGRAPHIC SEARCH ONLY." will be displayed. Otherwise, this will not appear.

- Results Summary - One of the following will be displayed depending on whether the check was GA Check only or GBI/FBI check and whether available criminal history results were found or not:

    o "THE FOLLOWING GEORGIA CRIMINAL HISTORY RECORD INFORMATION WAS FOUND:"

    o "NO GEORGIA CRIMINAL HISTORY RECORD FOUND"

    o "THE FOLLOWING GEORGIA AND FBI NATIONAL CRIMINAL HISTORY RECORD INFORMATION WAS FOUND:"

    o " NO GEORGIA OR FBI NATIONAL CRIMINAL HISTORY RECORD FOUND"

- GBI Rapsheet Information if present - If the response is to include a GBI rapsheet, the contents of the GBI rapsheet from CCH will appear here

- FBI Rapsheet Information if present - If the response is to include an FBI rapsheet, the contents of the FBI rapsheet from FBI will appear here

- FBI Reject/Name Search form if applicable – If the transaction was twice rejected by the FBI, the message "THE FBI REJECTED FINGERPRINTS FOR POOR QUALITY. COMPLETE AND RETURN NAME SEARCH FORM BELOW" will be displayed followed by an FBI Name Search form

3.4.5   FBI Identification Response Format

The FBI Identification Response contains ID results from search and FBI rapsheet information (if applicable and rapsheets were requested) .

3.4.5.1   E-Mail Subject Line

The e-mail subject line for a FBI Identification Response is as follows:

mfi TCN: <FBITCN> - FBI Identification Response

where <FBITCN> is the first the digits of the year of submission followed by the GBI issued TCN followed by a '-', followed by the Live Scan TCN for the submission. If the response is from a resubmission of a transaction previously rejected by the FBI, the <FBITCN> may have an 'R' at the end following the Live Scan TCN. If the response is a resend of a prior message, " RESEND" will be appended to the end of the subject line.

3.4.5.2   E-Mail Message contents

The e-mail message contents for a FBI Identification Response is as follows:

TYPE:mfi - FBI Identification Response
LS TCN:<LS TCN>
GBI TCN:<GBI TCN>
DATE/TIME:<yyyy-mm-dd hh:mm:ss>
OCA:<Agency OCA>
FBI/UCN:<FBI/UCN>
SID:<GA SID>
NAME:<Name>
FBI IDENT:<FBI IDENT RESULT>
FBI RAPSHEET RESPONSE BELOW:

<FBI Rapsheet Info>

The tags and their values are discussed below:

- TYPE: mfi – FBI Identification Response – Message Type value is always "mfi – FBI Identification Response" for this type of response.

- LSTCN:<LS TCN> - Live Scan TCN of submission (NIST Tag 1.009)

- GBITCN:<GBI TCN> - GBI issued TCN for submission

- DATE/TIME:<yyyy-mm-dd hh:mm:ss> - Date/Time of FBI Identification Response

- OCA:<Agency OCA> - For transactions where agency submitted an OCA number, the number submitted will appear here. Otherwise it will be empty.

- FBI/UCN:<FBI/UCN> - When available, will be populated with FBI Number or FBI UCN of subject. Otherwise, this tag will not appear

- SID:<GA SID> - Georgia SID number assigned to subject from FBI response. If no SID returned in FBI response, value will be empty.

- NAME:<Name> - Name of subject *as returned in FBI response*. May not be name originally submitted.

- FBI IDENT: <FBI Ident Result> - Contains Identification result from FBI search. 'Y' indicates hit against existing subject. 'N' means no existing subject found in FBI search.

- FBI RAPSHEET RESPONSE BELOW: (followed by <FBI Rapsheet Info>) – When rapsheets have been requested in submission, FBI Rapsheet information (or a non-ident narrative) will appear here. If rapsheets were not requested, this tag and the rapsheet information will not appear

3.4.5.3   Attachments

A device may elect to be configured to receive the raw NIST data for all responses from the FBI/DHS. If so configured at GBI, the NIST file response from FBI will be attached to the message as an attachment. This is optional and not a requirement

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3.4.6 FBI Reject Message Format

3.4.6.1 E-Mail Subject Line

The e-mail subject line for a FBI Reject Message is as follows:

mfi TCN: <FBITCN> - FBI Reject Response

where <FBITCN> is the first the digits of the year of submission followed by the GBI issued TCN followed by a '-', followed by the Live Scan TCN for the submission. If the response is from a resubmission of a transaction previously rejected by the FBI, the <FBITCN> may have an 'R' at the end following the Live Scan TCN. If the response is a resend of a prior message, " RESEND" will be appended to the end of the subject line.

3.4.6.2 E-Mail Message Contents

The e-mail message contents for a FBI Reject Message is as follows:

TYPE:mfi - FBI Reject Response
<GBI INFO>
LS TCN:<LS TCN>
GBI TCN:<GBI TCN>
DATE/TIME:<yyyy-mm-dd hh:mm:ss>
Message:<FBI Reject Info>
OCA:<Agency OCA>
FBI/UCN:<FBI/UCN>
SID:<GA SID>
NAME:<Name>
NOTE:<Note contents>

The tags and their values are discussed below:

- TYPE: mfi – FBI Reject Response – Message Type value is always "mfi – FBI Reject Response" for this type of response.

- <GBI INFO> - This free text line typically contains instruction about whether to resubmit or not. Typically FBI rejections are not resubmitted by the live scan device. GBI will handle any resubmission.

- LSTCN:<LS TCN> - Live Scan TCN of submission (NIST Tag 1.009)

- GBITCN:<GBI TCN> - GBI issued TCN for submission

- DATE/TIME:<yyyy-mm-dd hh:mm:ss> - Date/Time of FBI Reject Response

- Message:<FBI Reject Info> - This message will provide the reason for rejection. If the FBI returns multiple reasons, there will be multiple occurrences of this line.

- OCA:<Agency OCA> - For transactions where agency submitted an OCA number, the number submitted will appear here. Otherwise it will be empty.

- FBI/UCN:<FBI/UCN> - When available, will be populated with FBI Number or FBI UCN of subject. Typically, it will not appear or be empty for a reject response

- SID:<GA SID> - Georgia SID number assigned to subject from FBI response. If no SID returned in FBI response, value will be empty. For a reject response, this will typically be empty.

- NAME:<Name> - Name of subject *as returned in FBI response*. May not be name originally submitted.

- NOTE:<Note Contents> - Any additional information added by GBI AFIS will be provided here (free text)

3.4.6.3   Attachments

A device may elect to be configured to receive the raw NIST data for all responses from the FBI/DHS. If so configured at GBI, the NIST file response from FBI will be attached to the e-mail message as an attachment. This is optional and not a requirement

3.4.7   FBI Name Search Form Format

3.4.7.1   E-Mail Subject Line

The e-mail subject line for a FBI Name Search Form message is as follows:

mfn TCN: <FBITCN> - FBI Name Search Form

where <FBITCN> is the first the digits of the year of submission followed by the GBI issued TCN followed by a '-', followed by the Live Scan TCN for the submission. If the response is from a resubmission of a transaction previously rejected by the FBI, the <FBITCN> may have an 'R' at the end following the Live Scan TCN. If the response is a resend of a prior message, " RESEND" will be appended to the end of the subject line.

3.4.7.2   E-Mail Message Contents

The e-mail message contents for a FBI Name Search Form message is as follows:

TYPE:mfn
LS TCN:<LS TCN>
GBI TCN:<GBI TCN>
DATE/TIME:<yyyy-mm-dd hh:mm:ss>
NAME:<Name>
FBI Name Search form below:

FBI CJIS NAME SEARCH REQUEST FORM

Please complete the form below to request a FBI name check. Please be advised that an individual's fingerprints must be rejected twice for image quality prior to requesting a FBI name check.

ORI of State/Federal/Regulatory Agency: _____
Your Agency's Point of Contact (POC) for the Response: _____
Phone Number of POC: _____
FAX Number of POC: _____
Address of Requesting Agency: _____
_____
_____
Please FAX _____ or mail _____ my response to this request.

SUBJECT OF NAME CHECK
Transaction Control Number (TCN) of Subject's Fingerprint Submission: _____
Transaction Control Number (TCN) of Subject's Fingerprint Submission: _____
Name: _____ Alias: _____
Date of Birth: _____ Place of Birth: _____
Sex: _____ Race: _____ Height: _____ Weight: _____ Eyes: _____ Hair: _____
Social Security Number: _____ Miscellaneous Number: _____
State Identification Number: _____ OCA: _____

** Please note that highlighted fields are required for name check searches. **

Be sure to include the TCN from both rejected transactions.

FBI CJIS Division
ATTN: Name Check Request
1000 Custer Hollow Road
Clarksburg, WV 26306
FAX 304-625-5102

The tags and their values are discussed below:

- TYPE:mfn – Message Type value is always "mfn" for this type of response.

- LSTCN:<LS TCN> - Live Scan TCN of submission (NIST Tag 1.009)

- GBITCN:<GBI TCN> - GBI issued TCN for submission

- DATE/TIME:<yyyy-mm-dd hh:mm:ss> - Date/Time of Name Search Form Response

- NAME:<Name> - Name of subject *as returned by FBI*. May not be name originally submitted.

- The name search form appears below the above tags. While not shown in the example form, where AFIS has the information available about the subject, the information will be prepopulated on the form. This will include the TCNs that rejected. So only the agency information and delivery option will need to be filled out by the agency prior to their sending to the FBI.

3.4.8   DHS Identification Response Format

The DHS Identification Response is the identification response results from a DHS Secure Communities search. Typically, only positive identification results are received.

3.4.8.1   E-Mail Subject Line

The e-mail subject line for a DHS Identification Response message is as follows:

mfi TCN: <FBITCN> - DHS Identification Response

where <FBITCN> is the first the digits of the year of submission followed by the GBI issued TCN followed by a '-', followed by the Live Scan TCN for the submission. If the response is from a resubmission of a transaction previously rejected by the FBI, the <FBITCN> may have an 'R' at the end following the Live Scan TCN. If the response is a resend of a prior message, " RESEND" will be appended to the end of the subject line.

3.4.8.2   E-Mail Message Contents

The e-mail message contents for a DHS Identification Response is as follows:

TYPE:mfi - DHS Identification Response
LS TCN:<LS TCN>
GBI TCN:<GBI TCN>
DATE/TIME:<yyyy-mm-dd hh:mm:ss>
OCA:<Agency OCA>
FBI/UCN:<FBI/UCN>
SID:<GA SID>
NAME:<Name>
DHS IDENT:<DHS IDENT RESULT>
DHS RESPONSE BELOW:

<DHS Response Info>

The tags and their values are discussed below:

- TYPE:mfi – DHS Identification Response – Message Type value is always "mfi – DHS Identification Response" for this type of response.

- LSTCN:<LS TCN> - Live Scan TCN of submission (NIST Tag 1.009)

- GBITCN:<GBI TCN> - GBI issued TCN for submission

- DATE/TIME:<yyyy-mm-dd hh:mm:ss> - Date/Time of DHS Identification Response

- OCA:<Agency OCA> - For transactions where agency submitted an OCA number, the number submitted will appear here. Otherwise it will be empty.

- FBI/UCN:<FBI/UCN> - When available, will be populated with FBI Number or FBI UCN of subject. Otherwise, this tag will not appear

- SID:<GA SID> - Georgia SID number assigned to subject from FBI response. If no SID returned in FBI response, value will be empty.

- NAME:<Name> - Name of subject *as returned in FBI response*. May not be name originally submitted.

- DHS IDENT: <DHS Ident Result> - Contains Identification result from DHS search. 'Y' indicates hit against existing subject. 'N' means no existing subject found in FBI search.

- DHS RESPONSE BELOW: (followed by <DHS Response Info>) – When rapsheets have been requested in submission, DHS Response information (or a non-ident narrative) will appear here. If rapsheets were not requested, this tag and the response information should not appear

3.4.8.3   Attachments

The DHS Identification response may include JPEG photos. These will be included in e-mail message as individual attachments. The live scan is required to be able to display any photos attached in the response to the live scan user.

A device may elect to be configured to receive the raw NIST data for all responses from the FBI/DHS. If so configured at GBI, the NIST file response from FBI will be attached to the message as an attachment. This is optional and not a requirement

3.4.9 DHS Reject Response Format

3.4.9.1 E-Mail Subject Line

The e-mail subject line for a DHS Reject Response message is as follows:

mfi TCN: <FBITCN> - DHS Reject Response

where <FBITCN> is the first the digits of the year of submission followed by the GBI issued TCN followed by a '-', followed by the Live Scan TCN for the submission. If the response is from a resubmission of a transaction previously rejected by the FBI, the <FBITCN> may have an 'R' at the end following the Live Scan TCN. If the response is a resend of a prior message, " RESEND" will be appended to the end of the subject line. Typically, if a transaction rejects, it will reject at FBI before ever being sent to DHS so these are unlikely to be seen.

3.4.9.2 E-Mail Message Contents

The e-mail message contents for a DHS Reject Response message is as follows:

TYPE:mfi - DHS Reject Response
<GBI INFO>
LS TCN:<LS TCN>
GBI TCN:<GBI TCN>
DATE/TIME:<yyyy-mm-dd hh:mm:ss>
OCA:<Agency OCA>
FBI/UCN:<FBI/UCN>
SID:<GA SID>
NAME:<Name>
Message:<DHS Reject Info>
NOTE:<Note contents>

The tags and their values are discussed below:

- TYPE: mfi – DHS Reject Response – Message Type value is always "mfi – DHS Reject Response" for this type of response.

- <GBI INFO> - This free text line, if present, typically contains instruction about whether to resubmit or not. Typically DHS rejections are not resubmitted by the live scan device. GBI will handle any resubmission.

- LSTCN:<LS TCN> - Live Scan TCN of submission (NIST Tag 1.009)

- GBITCN:<GBI TCN> - GBI issued TCN for submission

- DATE/TIME:<yyyy-mm-dd hh:mm:ss> - Date/Time of DHS Reject Response

- OCA:<Agency OCA> - For transactions where agency submitted an OCA number, the number submitted will appear here. Otherwise it will be empty.

- FBI/UCN:<FBI/UCN> - When available, will be populated with FBI Number or FBI UCN of subject. Typically, it will not appear or be empty for a reject response

- SID:<GA SID> - Georgia SID number assigned to subject from DHS response. If no SID returned in FBI response, value will be empty. For a reject response, this will typically be empty.

- NAME:<Name> - Name of subject *as returned in DHS response*. May not be name originally submitted.

- Message:<FBI Reject Info> - This message will provide the reason for rejection. If DHS returns multiple reasons, there will be multiple occurrences of this line.

- NOTE:<Note Contents> - Any additional information added by GBI AFIS will be provided here (free text)

3.4.9.3 Attachments

A device may elect to be configured to receive the raw NIST data for all responses from the FBI/DHS. If so configured at GBI, the NIST file response from FBI will be attached to the message as an attachment. This is optional and not a requirement

3.4.10 Test Mode PASS Message Format

3.4.10.1 E-Mail Subject Line

The e-mail subject line for a Test Mode PASS message is as follows:

PASS - TEST NIST FILE: <NISTFILE> LSTCN: <LS TCN>

where <NISTFILE> is the filename of the NIST submission and <LS TCN> is the live scan TCN (NIST Tag 1.009).

3.4.10.2 E-Mail Message Contents

The e-mail message contents for a Test Mode PASS message is as follows:

All edit checks passed.
NIST 1/2 Data is below.

<NIST DATA>

where <NIST DATA> contains the Type-1 and Type-2 data from the submitted NIST file. There are four non-printable ASCII characters used in the Type-1 and Type-2 data. They are represented as follows:

- <FS> - File Separator Character (ASCII 28)

- <GS> - Group Separator Character (ASCII 29)

- <RS> - Record Separator Character (ASCII 30)

- <US> - Unit Separator Character (ASCII 31)

3.4.11   Test Mode FAIL Message Format

3.4.11.1   E-Mail Subject Line

The e-mail subject line for a Test Mode FAIL message is as follows:

FAIL - TEST NIST FILE: <NISTFILE> LSTCN: <LS TCN>

where <NISTFILE> is the filename of the NIST submission and <LS TCN> is the live scan TCN (NIST Tag 1.009).

3.4.11.2   E-Mail Message Contents

The e-mail message contents for a Test Mode FAIL message is as follows:

Some edit checks failed.
NIST 1/2 Data is below.

<NIST DATA>

where <NIST DATA> contains the Type-1 and Type-2 data from the submitted NIST file. There are four non-printable ASCII characters used in the Type-1 and Type-2 data. They are represented as follows:

- <FS> - File Separator Character (ASCII 28)

- <GS> - Group Separator Character (ASCII 29)

- <RS> - Record Separator Character (ASCII 30)

- <US> - Unit Separator Character (ASCII 31)

3.5   POP3 Non-Standard Administrative Messages

GBI may on occasion send administrative messages to the live scan as an e-mail message. These messages will come from an address on the mail server domain (gofw.gbi.state.ga.us) and may either be plain text messages or html formatted. The live scan should be able to retrieve these messages and display them to the user

4 Live Scan Functional Specifications

Live scans submitting transactions to the State of Georgia must adhere to the following functional specifications:

4.1 Each Individual User Must Have Their Own Unique User ID and Password

Each user of the live scan must have their own user id and password. The live scan must enforce the password requirements specified *by "Criminal Justice Information Services Security Policy Version 5.0 Standard Authentication (Password) (2/9/2011)"*.

4.2 Set FTP Home Directory and Response Checking From Group Config

Upon login by the user, the live scan should retrieve the group configuration file from the GBI NFC and set submission directory paths and the intervals for checking for responses based upon its contents.

4.3 Maintain a Copy of Valtab Tables

The live scan shall maintain a local copy of GBI validation tables to be used for edit checking when needed. The livescan shall also maintain revision information for the copies it has so it may determine which files need updating when performing a valtabs update check at GBI.

4.4 Automatic Update of Valtab Tables

The live scan shall automatically check for and update any changed valtab files at least once a day.

4.5 Manual Update of Valtab Tables

The live scan shall have a mechanism whereby a user can manually trigger a check and update of valtab tables.

4.6 Test Mode

When the live scan is assigned a Group ID of "grpt", the live scan will be in test mode. In this configuration, the live scan will support the following changes and/or additional functions:

4.6.1 Test Mode Valtab Revision Control File

In test mode, the revision control file name is "revcon.tst", not revcon.dta.

4.6.2 Test Mode Valtab Tables File Extension

In test mode, the file extension for valtab tables is ".tst", not ".txt".

4.6.3 Test Mode Mail Messages

In test mode, there are additional POP3 messages received for submissions. Either a "PASS" message will be sent for submissions that pass all checks or a "FAIL" message will be sent when it is rejected for some reason. These messages are plain text messages that are used for troubleshooting and documentation purposes when performing live scan certification. When in test mode, they should be picked up and available for viewing/printing (when a printer is available) on the live scan device.

4.6.4 Notification Display That Device Is In Test Mode

In test mode, there should be a visible notification to the user if a device is in test mode. This is designed to prevent accidental submission of transactions to either the live or test system when the other system is the intended destination

4.7   Data Entry and Edit Checking

The live scan must be able to perform data edit checks on entered data.

4.7.1   Data Entered (keyed) At Live Scan

When data is entered at the live scan, the live scan must perform edit checks as operator enters data and provide visual notification when data is entered incorrectly.

4.7.2   Data Received Via Data Download

When data is received at the live scan via data download from another device or system, the live scan must perform edit checks on the received data and the live scan user must have a means to correct any invalid data.

4.7.3   Non GBI Criterion Charges

If Non-GBI criterion charges are captured at the live scan for local use for CAR, CNA, and JUV transactions, these charges must be omitted from any submission to GBI.

Typically, this is done at the live scan by specifying a charge code of "0000" (which is not a GBI code and then allowing the agency to enter local charge text and/or statutes for the purpose of local printing and/or submission. Then, when submitting to GBI, those charges with a charge code of "0000" are not included in/stripped from the NIST submission that is sent. The entry of non-criterion charges is the only time this field is editable all other criterion charges must remain as read only.

4.7.4   Do Not Submit Known Errors

If edit checking has revealed errors with the submission, the live scan must not allow submission of the transaction to GBI until those errors are corrected.

5   Live Scan Workflow

5.1   Connection and Scheduled Tasks

Below is a diagram illustrating general flow for connection and performing scheduled tasks:
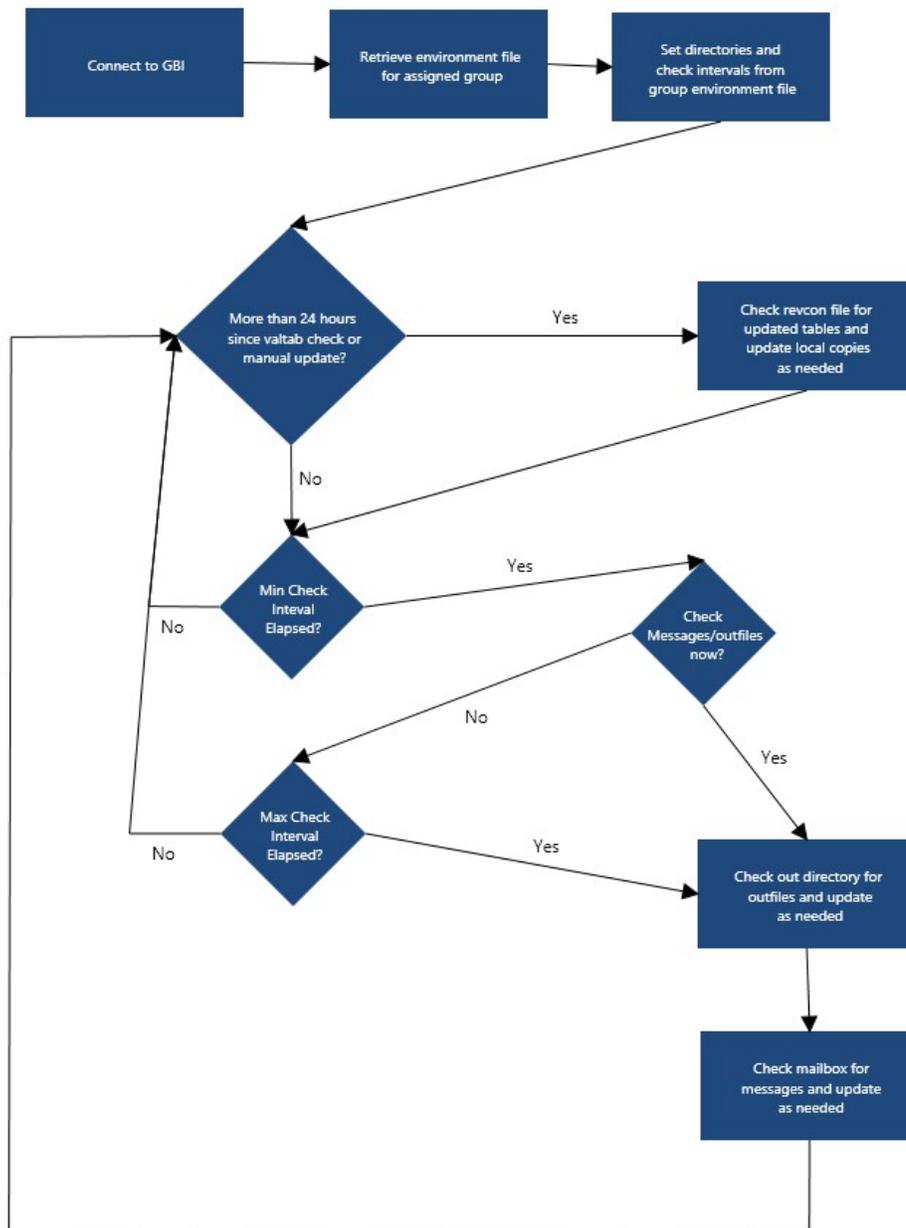
Figure 5-1: Live Scan Connection and Scheduled Tasks

5.2 Submission

The following three diagrams illustrate general flow for submission:
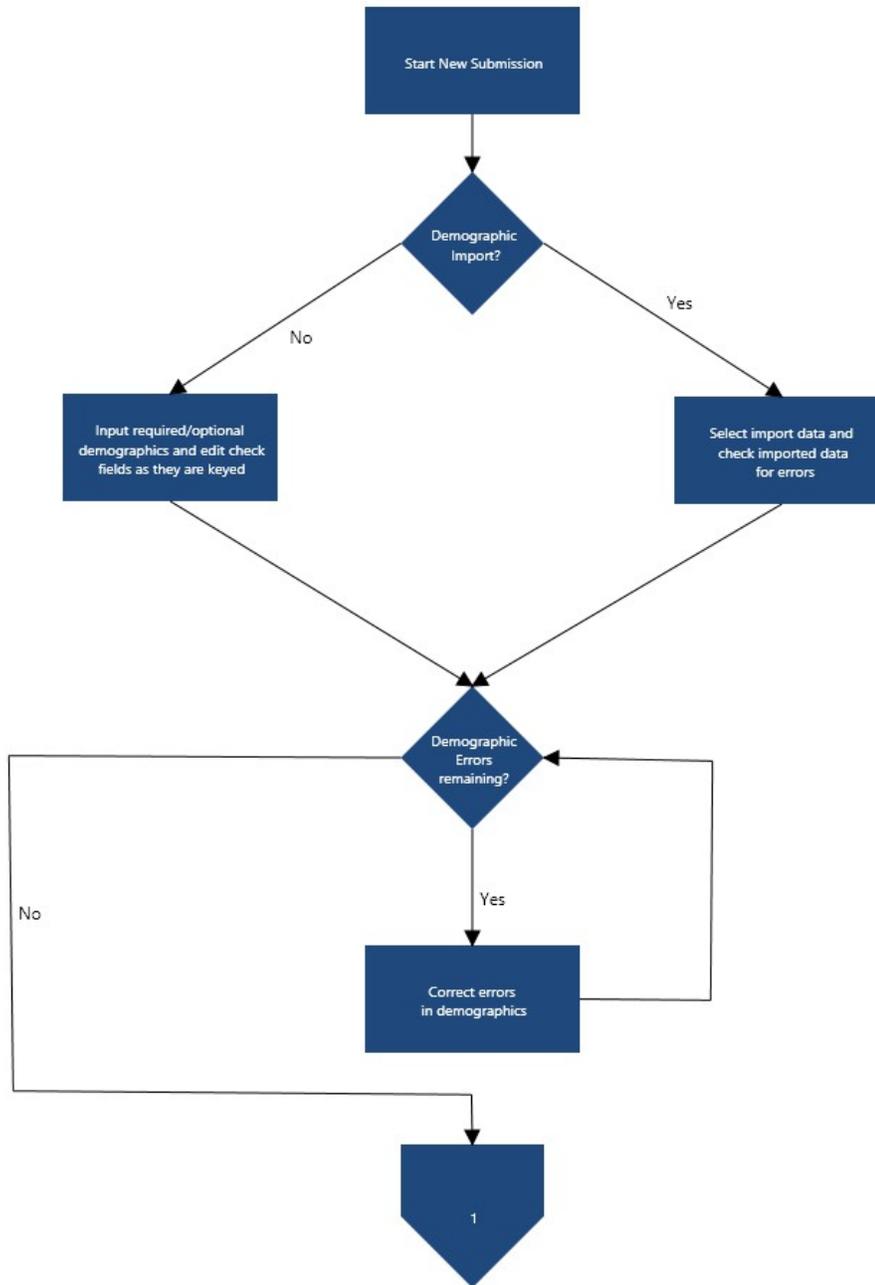
Figure 5-2: Live Scan Submission 1/3
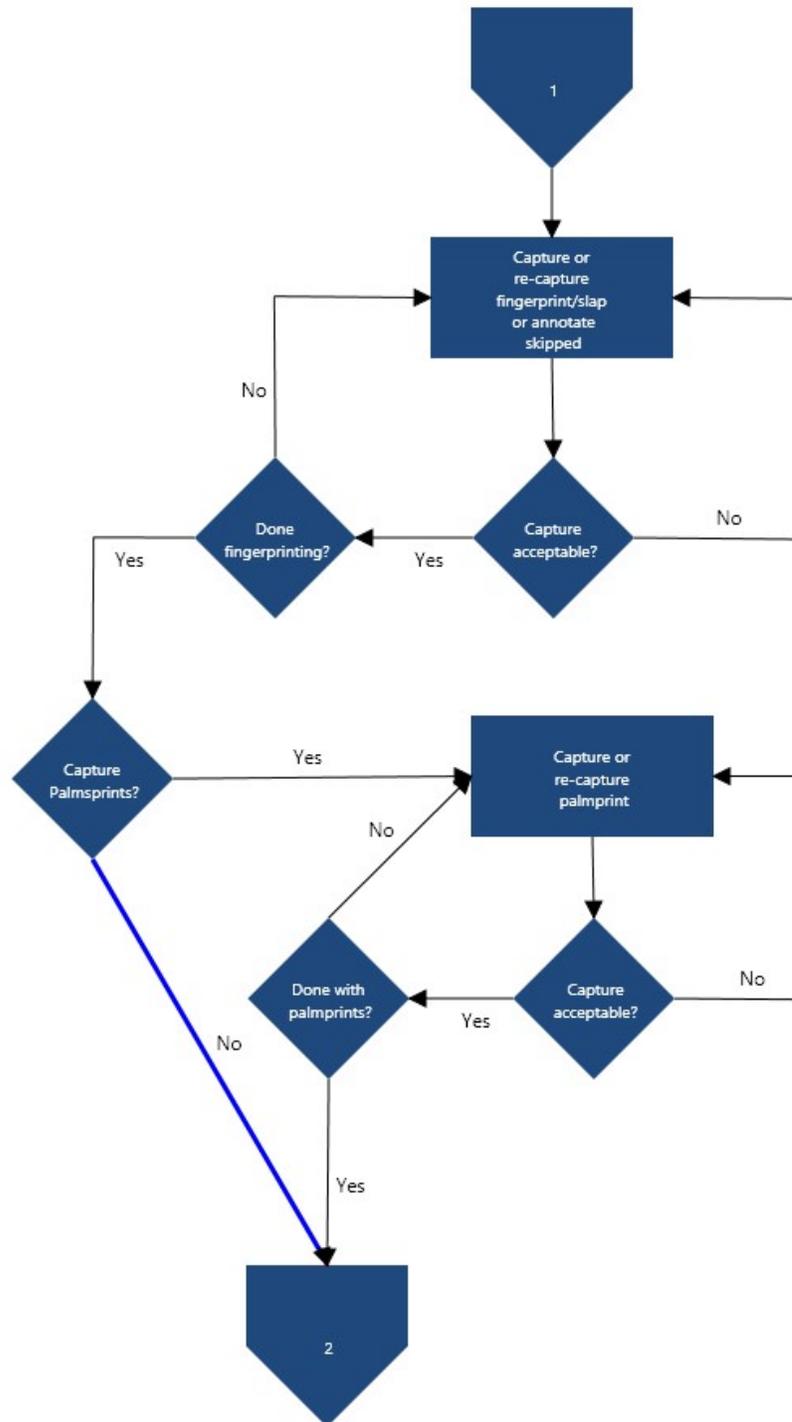
Figure 5-3: Live Scan Submission 2/3
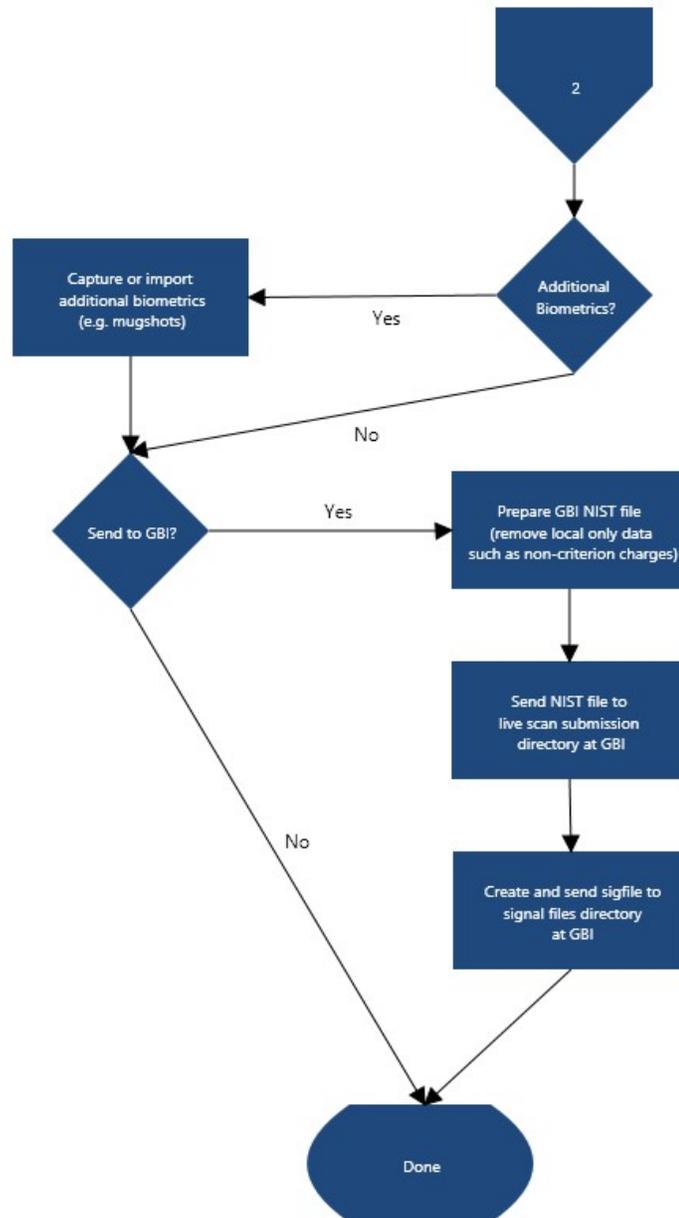
Figure 5-4: Live Scan Submission 3/3

5.3   Resubmission

The following diagram illustrates general flow for resubmission:
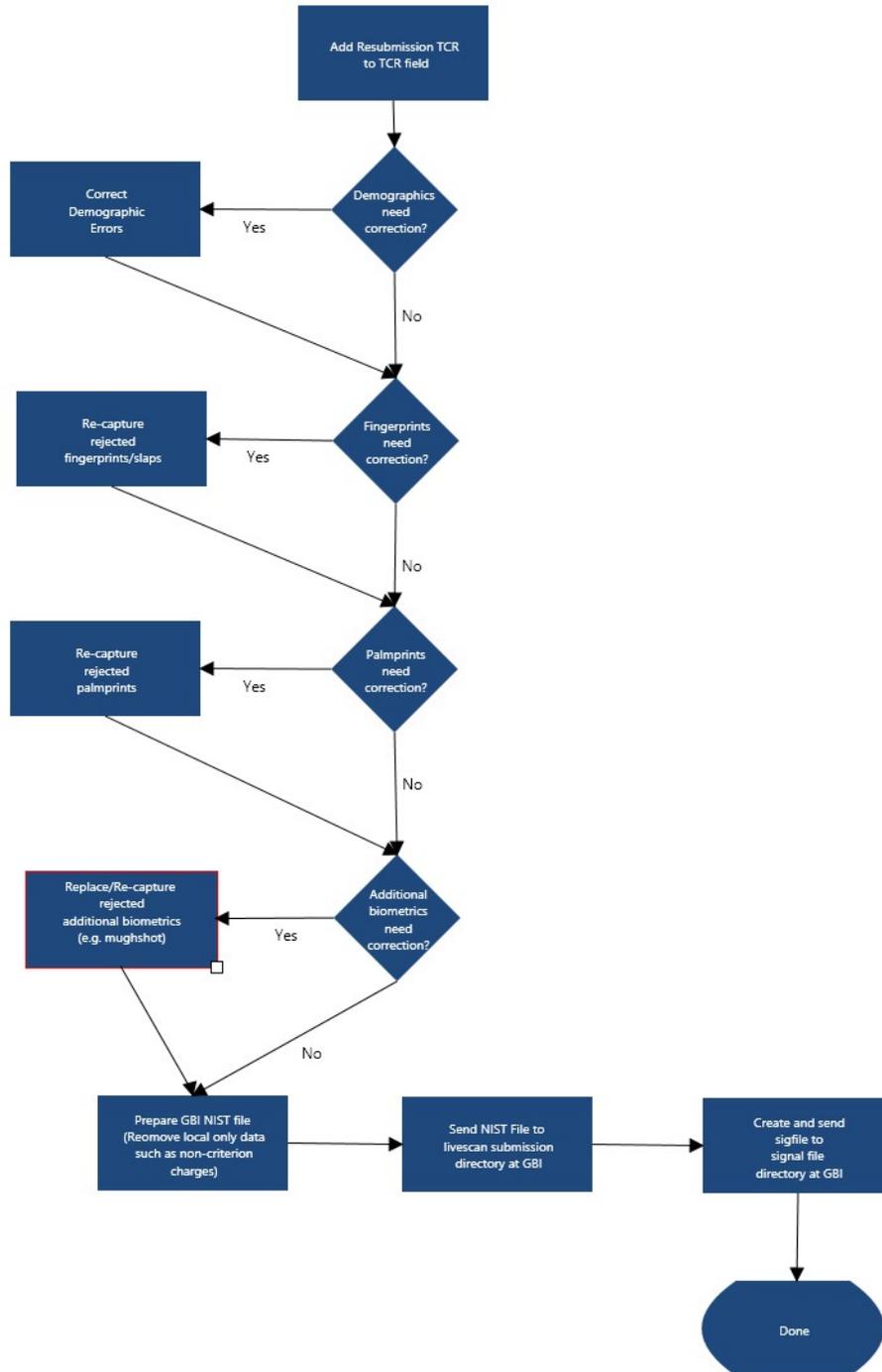
Figure 5-5: Live Scan Resubmission

6   Network Connection Requirements

The GBI AFIS operates on an encrypted VPN on the State of Georgia's network and all transmissions between the live scan and the GBI AFIS must be encrypted. While a live scan does not necessarily have to connect directly to the state encrypted VPN, the end to end encryption of communications must be maintained. This means live scans have the following options for connectivity:

1. Obtaining a direct connection to the State of Georgia VPN. Agencies may email gcicconn@gbi.ga.gov or call 404-244-2770 (option 2) an 'R' for information and options for a direct connection. Agencies which already have a State of Georgia VPN connection may be able to utilize the existing connection but will still need to contact [whomever] for IP address assignment and/or opening of appropriate ports.

Figure 6-1: GA VPN Connection

2. Obtaining a connection to an approved proxy server. In this scenario, the proxy server is connected to the State of Georgia VPN. The live scan connects to the proxy server via an encrypted connection specific to the proxy server. The live scan submits to/receives from this server and the proxy relays the requests/responses to/from GBI. Agencies may email gcicconn@gbi.ga.gov or call 404-244-2770 (option 2) for the approved list of proxy servers and their vendors' contact information.

Figure 6-2: Proxy Server Connection

7 Descriptor and Field Edit Specifications for Type-1 Records

Below are the descriptor and field edit specifications for the GBI Type-1 Fields:

7.1   Field 1.001: LEN - Length

This **mandatory** ASCII field shall contain the total count of the number of bytes in this Type-1 logical record. Field 1.001 shall begin with "1.001:" followed by the length of the record including every character of every field contained in the record and the information separators. The number of characters added to the record by the LEN field itself shall be included in calculating the value of LEN.

7.2   Field 1.002: VER - Version

This **mandatory** four-byte ASCII field shall be used to specify the ANSI-NIST-ITL version. Submissions following this specification shall send a value of **"0500".**

7.3   Field 1.003: CNT - Content

This **mandatory** field shall list each of the logical records in the logical file by record type. It also specifies the order in which the remaining logical records shall appear in the logical file. It shall consist of one or more subfields. Each subfield shall contain two information items describing a single logical record found in the current logical file. The subfields shall be entered in the same order in which the logical records shall be transmitted. When more than one subfield is used, the <RS> separator character shall be entered between the subfields. With the addition of the Type-10 record, the first information item of each subfield may now be a one- or two-digit integer (giving the logical record type). The remaining edit specifications pertaining to CNT are unchanged.

The first subfield shall relate to this Type-1 transaction record. The first information item within this subfield shall be the single character indicating that this is a Type-1 record consisting of header information (the numeral "1" selected from the ANSI/NIST-ITL Standard Table 4).

The second information item of this subfield shall be the sum of the Type-2 plus Type-3 plus Type-4 plus Type-5 plus Type-6 plus Type-7 plus Type-8 plus Type-9 plus Type-10 plus Type13 plus Type-14 plus Type-15 plus Type-17 records contained in this logical file. This number is also equal to the count of the remaining subfields of Field 1.003. The <US> separator character shall be entered between the first and second information items.

The remaining subfields of Field 1.003 pertaining to Type-2, Type-4, Type-7, Type-9, Type-10, Type-13, Type-14, Type-15, and Type-17 records contained in the file shall each be composed of two information items. The first information item shall be one or two characters chosen from the ANSI/NIST-ITL Standard Table 1, which states the record type. The second information item shall be the IDC associated with the logical record pertaining to that subfield. The IDC shall be a positive integer equal to or greater than zero. The <US> character shall be used to separate the two information items. (Only Type-1, Type-2, Type-4, Type-7, Type-9, Type-10, Type-13, Type-14, Type-15, and Type-17 records will be accepted by the FBI.)

7.4   Field 1.004: TOT - Type of Transaction

This **mandatory** field shall contain an identifier, designating the type of transaction and subsequent processing that this logical file should be given. TOTs may be up to 16 Characters in length. Valid TOTs for GBI are listed below:

TOT	TOT Description
APP	Applicant
CAR	Criminal (Answer Required)

CNA	Criminal (No Answer Required)
COR	Corrections
JCOR	Juvenile Corrections
JUV	Juvenile Criminal
SEX	Sex Offender Registration
SOT	Search Only Transaction

Table 7-1: GBI TOTs

7.5 Field 1.005: DAT – Date NIST File Created

This **mandatory** field shall contain the date the NIST file was created in the form YYYYMMDD.

7.6 Field 1.006: PRI – Transaction Priority

When this optional field is used, it shall contain a value of "3".

7.7 Field 1.007: DAI - Destination Agency Identifier

This **mandatory** field shall contain the identifier of the administration or organization designated to receive the transmission. The size and data content of this field shall be defined by the user and be in accordance with the receiving agency. This field shall be a nine-byte alphanumeric field. This field will always be **"GAGBI0092"** for transactions being submitted to GBI.

7.8 Field 1.008: ORI - Originating Agency Identifier

This **mandatory** field shall contain the identifier of the administration or organization originating the transaction. This shall contain the ORI/OAC that was assigned to device submitting the transaction.

7.9 Field 1.009: TCN - Transaction Control Number

This **mandatory** field shall contain the Transaction Control Number as assigned by the originating agency. A unique control identifier shall be assigned to each transaction. For any transaction that requires a response, the respondent shall refer to this identifier in communicating with the originating agency. For GBI live scan submissions, this field shall be a 10 byte alphanumeric-special (ANS) field. The first three characters shall contain the device id assigned to the submitting device. The fourth character should contain the last digit of the year the NIST transaction was created. The remaining digits are a sequence number.

7.10 Field 1.010: TCR - Transaction Control Reference

This optional field shall contain the Transaction Control Number as assigned by the originating agency. A unique control identifier shall be assigned to each transaction. For any transaction that requires a response, the respondent shall refer to this identifier in communicating with the originating agency. For GBI live scan submissions resubmitting transactions, this field shall be a 14 byte alphanumeric-special (ANS) field. It shall contain the GBI Transaction Control Number that was generated for the rejected transaction for which the current transaction is being resubmitted.

For non-applicant **resubmissions** (not APP or LAPP), the TCR is mandatory.

For applicant resubmissions, the user should have been informed whether a TCR should be specified on the response to the original submission. If the user was told not to specify a TCR, do not specify a TCR. Otherwise, the TCR indicated in the original submission response should be used. Failure, to do so will cause the resubmission to be treated as anew submission and will result in a second user fee charge.

7.11   Field 1.011: NSR – Native Scanning Resolution

This **mandatory** field shall specify the nominal scanning resolution of the AFIS or other image capture device supported by the originator of the transmission. This field permits the recipient of this transaction to send response data at a transmitting resolution tailored to the NSR (if it is able to do so) or to the minimum scanning resolution. This field shall contain five bytes specifying the native scanning resolution in pixels per millimeter. The resolution shall be expressed as two numeric characters followed by a decimal point and two more numeric characters (*e.g.*, 20.00). This field is needed because the interchange of fingerprint information between systems of the same manufacturer may, in some instances, be more efficiently done at a transmitting resolution equal to the native scanning resolution of the system rather than at the minimum scanning resolution specified in this standard. This field currently applies only to Type-4 and Type-7 record. For those logical files that contain their own scanning resolution, this field shall be set to '00.00'.

7.12   Field 1.012: NTR - Nominal Transmitting Resolution

For EBTS transactions, this **mandatory** field shall specify the nominal transmitting resolution for fingerprint images transmitted in Type-4 or Type-7 records. This field shall contain five bytes specifying the transmitting resolution in pixels per millimeter. The resolution shall be expressed as two numeric characters followed by a decimal point and two more numeric characters (e.g. 19.69). For Type-4 records, the transmitting resolution shall be 495-505ppi (500+-1%); for Type-7 records, the transmitting resolution shall either be 495-505ppi (500+-1%) or 990-1010ppi (1000+-1%). For transactions that do not contain Type-3 through Type-7 fingerprint image records, this field shall be set to "00.00." A single transaction can only contain multiple Type-4 and/or Type-7 records if all images have the same resolution.

7.13   Field 1.013: DOM - Domain Name

This field will be required for all new implementations of the CJIS EBTS transactions. This **mandatory** Field identifies the domain name for the user-defined Type-2 logical record implementation. If present, the domain name may only appear once within a transaction. It shall consist of one or two information items. The first information item will uniquely identify the agency, entity, or implementation used for formatting the tagged fields in the Type-2 record. An optional second information item will contain the unique version of the particular implementation. The value to be sent with this field for GBI is "1.013:NORAM<US>EBTS 10.0<GS>" where <US> is the unit separator character and <GS> is the group separator character. If the field is the last in the Type 1 record, the <GS> character shall be replaced with the <FS> (file separator) character.

8   Descriptor and Field Edit Specifications for Type-2 Records

Below are the descriptor and field edit specifications for the GBI Type-2 Fields:

8.1   Field 2.001: LEN - Length

This **mandatory** ASCII field shall contain the total count of the number of bytes in this Type-2 logical record. Field 2.001 shall begin with "2.001:" followed by the length of the record including every character of every field contained in the record and the information separators. The number of characters added to the record by the LEN field itself shall be included in calculating the value of LEN.

8.2   Field 2.002: IDC – Image Designation Character

This **mandatory** field shall be used to identify the user-defined text information contained in this record. The IDC contained in this field shall be the IDC of the Type-2 logical record as found in the file content field of the Type-1 record. For the Type-2 record of GBI submissions this should always be "00"

8.3   Field 2.005: RET - Retention Code

This is a **mandatory** alpha field indicating whether the information submitted as a part of a transaction is to be retained as a permanent part of the GBI's (and FBI's for transactions sent there) Master File. Submit a "Y" for yes or an "N" for no. The value of this field for GBI transactions is as follows per TOT:

TOT	RET VALUE
APP	N
CAR	Y
CNA	Y
COR	Y
JCOR	Y
JUV	Y
SEX	Y
SOT	N

Table 8-1: Retention Code values per TOT

8.4   Field 2.007: SCO - Send Copy To

The purpose of this 9-to-19-character alphanumeric-special (ANS) field is to indicate that additional electronic responses need to be forwarded to agencies other than the contributor by the State Identification Bureau. The first nine characters shall be alphanumeric and shall contain the NCIC assigned Originating Agency Identifier (ORI) for an agency who is to receive a copy of the response. At the option of the transmitting agency, the ORI may be expanded to a size of 19 characters, with 10 characters of alphanumeric special (ANS) data appended to the end to assist in proper routing of the responses. However, no <US> or <RS> separator may be used between the ORI and routing extension (use any printable ASCII special character (e.g., a slash) as a separator). Upon receiving an electronic response, the State Identification Bureau will forward a copy of the electronic response to each agency listed in the "SEND COPY TO" block.

8.5　Field 2.009: OCA - Originating Agency Case Number

This field contains the one-to-twenty-character Originating Agency Case Identifier (OCA) assigned by the originating agency. This alphanumeric-special (ANS) field may contain any printable 7-bit ASCII character with the exception of the period (.). The OCA must not begin with a blank. Note: This has the same tag number as SRN (below) but has a different edit and is only for transaction types (TOT) other than SEX where this tag is allowed.

8.6　Field 2.009: SRN - Sex Offender Registration Number

This field contains the six digit Sex Offender Registration Number (right justified and padded with zeroes if necessary. Note: This has the same tag number as OCA above but has a different edit and is **only for SEX transaction type.**

8.7　Field 2.014: FBI - FBI/UCN Number

This field contains the subject's FBI or UCN number if known. A valid FBI or UCN number shall be no more than nine alphanumeric characters. The FBI or UCN number returned in a response is dependent upon the search results. As NGI updates and adds functionality, this field will be used to identify the specific Identity contained in the NGI database. This Universal Control Number (UCN) will be used to identify records in the criminal, civil, and other new repositories along with the Unsolved Latent File (ULF).

This field is only to be displayed as a data entry field for Sex Offender registration (SEX) transactions. For other transaction types, it should not be displayed for data entry and is intended for use when the FBI or UCN is being supplied electronically by an external system (such as a booking system or another AFIS) and is more likely to be accurate.

8.8　Field 2.015: SID - State Identification Number

This field contains the Georgia State Identification (SID) number for the subject if known. **This field is only to be displayed as a data entry field for Sex Offender registration (SEX) transactions.** For other transaction types, it should not be displayed for data entry and is intended for use when the SID is being supplied electronically by an external system (such as a booking system or another AFIS) and is more likely to be accurate.

8.9　Field 2.016: SOC - Social Security Account Number

This field contains the subject's Social Security number if known. This number shall be entered as nine consecutive digits with no embedded punctuation characters. No foreign social security numbers shall be used. See Section 2 Standards - Social Security Changes

8.10　Field 2.017: MNU - Miscellaneous Identification Number

The subject's miscellaneous identification numbers shall be entered in this field. For native encoding, the format of the data shall be a two letter identifying code, followed by a hyphen ( ), followed by the number itself. The size of the MNU is limited to 15 characters and as many as four miscellaneous numbers may be included in this field. Each MNU shall be separated from the next by the <RS> separator character. For XML encoding, the data is formatted into two separate fields; one for the code from the table below and another for the number itself. The mnu.txt valtab table lists the acceptable two letter identifying codes. If "AF" or "AS" is entered, all characters following the hyphen must be numeric. Interspersed blanks are invalid. Types of numbers not listed in the table (such as driver's license) shall not be entered. Only U.S. passport numbers shall be entered; foreign numbers shall be ignored.

8.11   Field 2.018: NAM - Name

This **mandatory** alpha-special field (letters, commas, blanks, and hyphens only) contains the name(s) of the subject. The native encoding format shall be the surname followed by a comma (,) and space followed by the given name(s), which are separated by a space. **For GBI, maximum length is 30.**

8.12   Field 2.019: AKA - Aliases

This 3-to-30 alpha-numeric special (ANS) field contains alias names of the subject. Up to ten aliases may be provided. For the native encoding of this field, each alias will be separated from one another by the RS character. AKA may contain a comma, hyphen, or blank as special characters. The format shall be the surname followed by a comma (,) followed by the given name(s) separated by a space. The following restrictions and exceptions to the general format apply (the first three apply only to the native encoding):
1. Minimum length is four bytes in the following sequence: alpha, comma, space, alpha.
2. A comma must be followed by a space and a minimum of one alpha character.
3. A blank before or after comma is invalid.
4. A hyphen in first and last position of any name segment is invalid.
5. Two consecutive blanks or hyphens between characters are invalid.

8.13   Field 2.020: POB - Place of Birth

The subject's place of birth is **mandatory** and shall be entered in this field. Indicate in this POB field the state (Mexico or United States), territorial possession, province (Canada), or country of birth. Valid POB values are in the pob.txt valtab table.

8.14   Field 2.021: CTZ - Country of Citizenship

This optional field contains two-letter abbreviation for the name of the country of which the subject is a citizen. Valid citizenship code values for this field are provided with the citizen.txt valtab table. There may be up to 10 occurrences.

8.15   Field 2.022: DOB - Date of Birth

This **mandatory** field contains the date of birth. It is entered as an eight digit number in the format yyyymmdd. Partial DOBs are not allowed. DOB shall not exceed date of submission or be equal to or greater than the start of the current year. Further restrictions on DOB per TOT are outlined below:

TOT	Additional DOB edit criteria
APP	None
CAR	Must be 13 years or older at DOA (Tag 2.045). If age 13 to 16, then TAA (tag 2.087) must be specified and have a value of "Y"
CNA	Must be 13 years or older at DOA (Tag 2.045). If age 13 to 16, then TAA (tag 2.087) must be specified and have a value of "Y"
COR	Must be 13 years or older on Corrections Action Date (Tag 2.202). If age 13 to 16, then TAA (tag 2.087) must be specified and have a value of "Y"

JCOR	Must be under 17 years of age on Corrections Action Date (Tag 2.202)
JUV	Must be under 17 years at DOA (Tag 2.045)
SEX	Must be 13 years or older at submission. If age 13 to 16, then TAA (tag 2.087) must be specified and have a value of "Y"
SOT	None

The DOB field may have up to five occurrences. Only the first occurrence is mandatory and this is the occurrence used for search parameters at GBI. The remaining occurrences are optional.

8.16   Field 2.024: SEX - Sex

This **mandatory** field is used to report the gender of the subject. Valid values are in the sex.txt valtab table.

8.17   Field 2.025: RAC - Race

This **mandatory** field is used to indicate the race of the subject. Valid values are in the rac.txt valtab table

8.18   Field 2.026: SMT - Scars, Marks and Tattoos

For each scar, mark, or tattoo present on the subject, the appropriate GBI SMT code shall be used for this field. Valid GBI SMT codes are provided in the smt.txt valtab table. Multiple occurrences are separated by the <RS> separator character.

8.19   Field 2.027: HGT - Height

This **mandatory** field contains the subject's height as a three character value. If reported in feet and inches, the first (leftmost) digit is used to show feet while the two rightmost digits are used to show the inches between 00 and 11. If height is unknown, 000 is entered. The allowable range is 400 to 711.

8.20   Field 2.029: WGT - Weight

In this **mandatory** field, the subject's weight in pounds is entered. If weight is unknown, 000 is entered. All weights in excess of 499 pounds will be set to 499 lbs. WGT must be in the range 050 to 499 lbs.

8.21   Field 2.031: EYE - Color Eyes

This **mandatory** field is used to report the eye color of the subject. Valid values are in the eye.txt valtab table.

8.22   Field 2.032: HAI - Hair Color

This **mandatory** field is used to report the hair color of the subject. Valid values are in the hai.txt valtab table.

8.23 Field 2.035: PPA - "Palmprints Available" Indicator

If palmprints are available, this field shall contain a "Y"; otherwise, the field shall be omitted.

8.24 Field 2.036: PHT - "Photo Available" Indicator

If a photograph of the subject is available, this field shall contain a "Y"; otherwise, the field shall be omitted.

8.25 Field 2.037: RFP - FBI Reason Fingerprinted

This **mandatory** alphanumeric-special field is used to indicate the purpose of a civil or applicant fingerprint card submission. Commas, blanks, dashes, hyphens, and slashes are all allowed as special characters. The submitting agency should indicate the specific statutory authority authorizing the fingerprint submission in this field.

This field must correspond to the value expected for the GBI Applicant statute (Tag 2.126) selected. Valtab table rfp.txt shows the valid GBI applicant statutes and the FBI reasons fingerprinted that corresponds to them. **This tag is only used by APP transactions and is required for that transaction type**.

8.26 Field 2.038: DPR - Date Printed

This **mandatory** field contains the date that the subject was fingerprinted. The format shall be yyyymmdd. DPR shall not exceed date of submission. This date field shall contain the local date for the region submitting the request. Edit checks will accept the local date as valid up to 24 hours forward to accommodate the variance between international time zones. **This tag is only used by APP transactions and is required for that transaction type**.

8.27 Field 2.039: EAD - Employer and Address

The name and address of the subject's primary employer may be entered into this free-text field.

8.28 Field 2.040: OCP - Occupation

This free-text field contains the subject's occupation.

8.29 Field 2.041: RES - Residence of Person Fingerprinted

The subject's residential address may be entered in this field as free text, including printable special characters and formatting characters (CR, LF, TAB).

8.30 Field 2.045: DOA - Date of Arrest

This **mandatory** field contains the date of arrest. The date shall appear as an eight digit number in the format yyyymmdd. DOA shall not exceed date of submission (Tag 1.005) and must be greater than or equal to any Date of Offense (DOO) specified in the Arrest Segment Literal (ASL, Tag 2.047). **This tag is only used by CAR, CNA, SOT and JUV transactions and is required for those transaction types.**

8.31 Field 2.047: Charge Description

This field is made up of the following subfields:
- Date of Offense (DOO)
- Charge Description.

The charge description is a text description of an offense charged on an arrest. The charge descriptions must exactly match values from the offense valtab table. Furthermore, the description must correspond to the charge code for the same occurrence in the charge code tag (2.106) and the citiation for the same occurrence in tag 2.111 (if that tag is specified). Each charge description should have a corresponding DOO. The DOO shall appear as an eight-digit number as in the format yyyymmdd. Any DOO specified shall not exceed DOA (Tag 2.045). Each occurrence of the charge description shall be separated by the <RS> separator character. The DOO shall be separated from the charge description by the <US> separator character. A DOO is prohibited without a corresponding charge description. If a DOO is not present, a <US> character separator shall still be used. **This tag is only used by CAR, CNA, SOT and JUV transactions and is required for those transaction types**. The following native coding example indicates more than one occurrence of the charge description field using DOO:
2.047:19940915<US>DUI<RS>19940920<US>POSSESSION OF FIREARMS<GS>

For SOT transactions, the field should contain a single occurrence and the Charge Description subfield must contain either "SEARCH ONLY TRANSACTION" or "Search Only Transaction".

8.32   Field 2.056: ICO - Identification Comments

Additional miscellaneous identification remarks providing the reason for caution may be entered in this free text field. The first character may not be a blank. **This tag is only used by CAR, CNA, and JUV transactions and must be specified if the CAU field (Tag 2.104) contains a value of "C".**

8.33   Field 2.067: IMA - Image Capture Equipment

This free-text field is used to log the make, model, and serial number of the equipment used to acquire images. It is composed of three subfields:
   • Make (MAK)
   • Model (MODL)
   • Serial Number (SERNO) of the acquisition device
These subfields shall be separated by the <US> separator character.

8.34   Field 2.070: RAP - Request for Electronic Rap Sheet

The purpose of this mandatory field is to allow the contributors to optionally request an electronic identity history (rapsheet) of the suspect. A "Y" indicates that an identity history is desired, and an omitted field or an "N" indicates that no electronic identity history should be returned with the response. This value is mandatory "Y" for APP transactions. For other transaction types, the value is more of an agency determination and should default to what the agency normally desires.

8.35   Field 2.073: CRI - Controlling Agency Identifier

This **mandatory** field shall contain the controlling agency Contributor ID (ORI or OAC) for the transaction. For criminal transactions, this is the arresting agency ORI. For applicant transactions, this is the agency ID (ORI or OAC) for which the transaction is being processed for and/or billed to. Valid Contributor IDs are contained in the cnt.txt valtab table. This field may have up to three occurrences. The first occurrence is mandatory. The last two occurrences are optional.

8.36   Field 2.084: AMP - Amputated or Bandaged

This repeating field contains information about amputated or bandaged fingerprints in an EBTS submission. The field is composed of repeating sets of two subfields:
   • Finger Position (FGP)
   • Amputated or Bandaged Code (AMPCD).

This field is to be used any time there are fewer than ten printable fingers in a tenprint submission for finger positions 1 – 10 or positions 11–14 to specify when no slap fingerprint images are provided in the finger positions (ex. Entire right hand is not printed). A partially amputated finger should be printed and be marked amputated, XX. If the finger's image is missing for any reason, (for example, when the arresting agency did not specify a reason in its submission to the State Identification Bureau) the UP code should be used. This field is used to tell AFIS which finger positions need to characterized. The UP code should only be used when the entire image is not provided for fingerprints in the submission. This code will indicate that AFIS should ignore this image and not include the image in the matching process.

For the native encoding, the two-character finger position code is followed by the US separator and the amputated or bandaged code. Each set of fingers/amp codes shall be separated by the RS separator. The following example indicates that the third finger is amputated and that the ninth finger print was unavailable or not submitted:

2.084:03<US>XX<RS>09<US>UP<GS>

Note: There is a cross check between missing fingerprint and slap images. For example, if the left four fingers slap is not sent and an AMPCD provided, the individual left fingers (7,8,9,10) should also not be sent and an AMPCD provided or the transaction will likely be rejected.

8.37   Field 2.087: TAA - Treat as Adult

A one-byte optional field to indicate whether a juvenile is to be processed as an adult on CAR, CNA, COR, or SEX transactions. A "Y" indicates yes; an omitted field indicates no.   This field is not used on other transaction types.

8.38   Field 2.101: OTN – Offender Tracking Number

The Offender Tracking Number is the number assigned to an arrest cycle. The OTN is an 11 digit number in which OTN position 11 is a check digit which must equal the remainder when the first 10 digits are divided by 7. OTN 00000000000 is not a valid OTN number. The OTN is optional and normally not specified for CAR, CNA, and JUV transactions. This field is **mandatory for COR and JCOR transactions**. This field is not used for APP and SOT transactions.

8.39   Field 2.104: CAU – Caution Indicator

This one byte field is used to report any caution indicators. Valid values are in the cau.txt valtab table. If the caution code is "C", a basis for caution must be specified in the Identification Comments tag (ICO, tag 2.056). **This tag is only used by CAR, CNA, and JUV transactions**

8.40   Field 2.106: Charge Code – GBI Charge Code

Contains a **mandatory** four digit charge code that must correspond to a charge code in the offense.txt valtab table. Multiple occurrences are separated by the <RS> separator character. The charge code(s) specified must correspond with Charge description(s) in tag 2.047 and citation(s) (CIT, tag 2.111 if specified) data for each occurrence. Any that do not meet the criterion (local charges), need to be left out of the NIST file transmitted. **This tag is only used by CAR, CNA, SOT and JUV transactions. For SOT transactions a single "0000" charge code is specified.**

8.41   Field 2.109: TCN – Transaction Control Number

This field is populated by GBI and shall contain 14 blank spaces when submitted.

8.42   Field 2.111: CIT – Citation (Criminal Statute) Code

Mandatory field contains an up to 17 character alphanumeric special code that must correspond to statute codes in the offense.txt valtabs table if it is specified. Multiple occurrences are separated by the <RS> separator character. The citation code(s) specified must correspond to the charge description in 2.047 and charge code in 2.106 for that occurrence. Since this field is optional, specific occurrences may

be left empty but if it's present it must meet the aforementioned criteria. **This tag is only used by CAR, CNA, and JUV transactions**

8.43   Field 2.114: Transfer To – Transfer To Code

This one byte field reports the transfer to code. Valid values are in the tt.txt valtab table. **This tag is only used by CAR, CNA and JUV transactions**

8.44   Field 2.119: Contributor Name – Contributor Agency Name

This **mandatory** text field contains the exact agency name in the cnt valtab table minus any trailing spaces that corresponds to the contributor number in the first occurrence of the controlling agency field (CRI, tag 2.073)

8.45   Field 2.120: Contributor Address – Contributor Agency Address (City,State)

This **mandatory** field contains the exact agency city in the cnt valtab table minus any trailing spaces, followed by a comma and space, followed by the exact agency state that both correspond to the contributor number in the first occurrence of the controlling agency field (CRI, tag 2.073).

8.46   Field 2.121: Official Taking Fingerprints – Official Taking Fingerprints

This free text field contains the identity of the official taking fingerprints.

8.47   Field 2.123: Charge Comment – Charge Comment

Contains an up to 46 character alphanumeric text containing additional comments about charge. Multiple occurrences are separated by the <RS> separator character. The comment(s) specified must correspond to the charge description in 2.047 and charge code in 2.106 for that occurrence. Since this field is optional, specific occurrences may be left empty but if it's present it must meet the aforementioned criteria. **This tag is only used by CAR, CNA, and JUV transactions**

8.48   Field 2.125: Driver's License Number – Driver's License Number

This optional, up to 25 character, alphanumeric field shall contain the driver's license number of the subject. If specified, then Driver's License State (Tag 2.127) must also be specified. If Driver's License State value is "GA", then this field must be a nine digit numeric.

8.49   Field 2.126: Applicant Statute Code – Applicant Statute Code

This field is **mandatory** for APP transactions (not used for other transaction types). It shall contain a valid applicant statue code from the rfp.txt valtab table. It must be in agreement with the FBI RFP value specified in tag 2.037. This tag is only used by **APP transactions**

8.50   Field 2.127: Driver's License State – Driver's License State

This optional two character field must contain a valid state code from the valtab table state.txt. This field must be specified if Driver's License Number (Tag 2.125) is specified.

8.51   Field 2.128: Transfer To ORI – Transfer To ORI

This optional 9 character alphanumeric field shall contain the ORI of the agency the subject has been transferred to. This field is mandatory when the Transfer To field (Tag 2.114) has a value of "1" (in state transfer). **This tag is only used by CAR, CNA, and JUV transactions**

8.52   Field 2.131: SMT Description – SMT Description

Contains an up to 30 character alphanumeric text containing description about SMT Code specified in SMT (Tag 2.026). Multiple occurrences are separated by the <RS> separator character. The comment(s) specified must correspond to the SMT in 2.026 for that occurrence. Since this field is optional, specific occurrences may be left empty but if it's present it must meet the aforementioned criteria.

8.53 Field 2.198: Privacy Rights – Privacy Rights Acknowledgment Indicator

This **mandatory** one byte field shall contain a "Y" and shall be sent with APP transactions to indicate the applicant has been made aware of their privacy rights. **This tag is only used by APP transactions**

8.54 Field 2.199: GAPS ID – GAPS ID

This up to 7 byte alphanumeric field is used by GAPS when submitting transactions to identify the actual device within that system used to create the NIST submission. **It is mandatory for GAPS submissions** and it is mandatory it *not* be present for any other submissions. This tag is only used by APP transactions

8.55 Field 2.200: Inmate Number – Inmate Number

This **mandatory** 10 character field must contain the subject Inmate number on COR and JCOR transactions. If the number is less than 10 characters, it shall be padded on the left with zeroes. **This tag is only used by COR and JCOR transactions.**

8.56 Field 2.201: Corrections Status – Corrections Status

Contains a **mandatory** four digit corrections status code that must correspond to a corrections status code in the corract.txt valtab table. Multiple occurrences are separated by the <RS> separator character. Up to 999 occurrences may be specified. **This tag is only used by COR and JCOR transactions** and at least one occurrence is required for those transaction types.

8.57 Field 2.202: Corrections Action Date – Corrections Action Date

This **mandatory** field contains the date of the corrections action. The date shall appear as an eight digit number in the format yyyymmdd. The Corrections Action Date shall not exceed date of submission (Tag 1.005). **This tag is only used by COR and JCOR transactions** and is required for those transaction types.

8.58 Field 2.203: Corrections Description – Corrections Description

Mandatory field contains an up to 120 character alphanumeric text containing description about Correction Status. Multiple occurrences are separated by the <RS> separator character. The comment(s) specified must correspond to the Correction Status in 2.201 for that occurrence. Since this field is optional, specific occurrences may be left empty but if it's present it must meet the aforementioned criteria.
This tag is only used by COR and JCOR transactions.

9　Descriptor and Field Edit Specifications for Type-4 Records

Type-4 records are used for the submission of 500ppi fingerprint images. Fingerprint images may be submitted at either 500ppi or 1000ppi but not a mixture of the two. Also, please not that Fingerprint submissions to the GBI AFIS must include at least one fingerprint image. Please refer to "*The American National Standard Institute (ANSI/NIST) National Institute of Standards and Technology, Data Format for the Interchange of Fingerprint, Facial and other Biometric Information*" and *"Electronic Biometric Transmission Specification (EBTS), (NGI-DOC-01078-10.0 July 2, 2013)"* for the proper edits and formatting of Type-4 Records.

See the section "*Allowed NIST Record Types per TOT*" for the types of transactions for which this record type is allowed/required and the number of records that are allowed.

10 Descriptor and Field Edit Specifications for Type-7 Records

Type-7 records are used for the submission of image data. Please refer to "*The American National Standard Institute (ANSI/NIST) National Institute of Standards and Technology, Data Format for the Interchange of Fingerprint, Facial and other Biometric Information*" and *"Electronic Biometric Transmission Specification (EBTS), (NGI-DOC-01078-10.0 July 2, 2013)"* for the proper edits and formatting of Type-7 Records.

GBI does not require or allow Type-7 records on any of its live scan submitted transaction types at this time.

11 Descriptor and Field Edit Specifications for Type-8 Records

Type-8 records are used for the submission of signature data. Please refer to "*The American National Standard Institute (ANSI/NIST) National Institute of Standards and Technology, Data Format for the Interchange of Fingerprint, Facial and other Biometric Information*" and *"Electronic Biometric Transmission Specification (EBTS), (NGI-DOC-01078-10.0 July 2, 2013)"* for the proper edits and formatting of Type-8 Records.

GBI does not require or allow Type-8 records on any of its live scan submitted transaction types at this time.

12   Descriptor and Field Edit Specifications for Type-9 Records

Type-9 records are used for the submission of minutiae or other friction ridge data. Please refer to "*The American National Standard Institute (ANSI/NIST) National Institute of Standards and Technology, Data Format for the Interchange of Fingerprint, Facial and other Biometric Information*" and *"Electronic Biometric Transmission Specification (EBTS), (NGI-DOC-01078-10.0 July 2, 2013)"* for the proper edits and formatting of Type-9 Records.

GBI does not require or allow Type-9 records on any of its live scan submitted transaction types at this time.

13 Descriptor and Field Edit Specifications for Type-10 Records

Type-10 records are used for the submission photographic images. Photographic images may be submitted with criminal (CAR, CNA, JUV, COR, JCOR, SEX, and SOT) submissions. Please refer to "*The American National Standard Institute (ANSI/NIST) National Institute of Standards and Technology, Data Format for the Interchange of Fingerprint, Facial and other Biometric Information*" and *"Electronic Biometric Transmission Specification (EBTS), (NGI-DOC-01078-10.0 July 2, 2013), (NGI-DOC-01078-10.0 July 2, 2013)"* for the proper edits and formatting of Type-10 Records.

See the section "*Allowed NIST Record Types per TOT*" for the types of transactions for which this record type is allowed/required and the number of records that are allowed.

14   Descriptor and Field Edit Specifications for Type-11 Records

Type-11 records are used for the submission of audio recordings. Please refer to "*The American National Standard Institute (ANSI/NIST) National Institute of Standards and Technology, Data Format for the Interchange of Fingerprint, Facial and other Biometric Information*" and *"Electronic Biometric Transmission Specification (EBTS), (NGI-DOC-01078-10.0 July 2, 2013)"* for the proper edits and formatting of Type-11 Records.

GBI does not require or allow Type-11 records on any of its live scan submitted transaction types at this time.

15   Descriptor and Field Edit Specifications for Type-12 Records

Type-12 records are used for the submission of dental records. Please refer to "*The American National Standard Institute (ANSI/NIST) National Institute of Standards and Technology, Data Format for the Interchange of Fingerprint, Facial and other Biometric Information*" and *"Electronic Biometric Transmission Specification (EBTS), (NGI-DOC-01078-10.0 July 2, 2013)"* for the proper edits and formatting of Type-12 Records.

GBI does not require or allow Type-12 records on any of its live scan submitted transaction types at this time.

16   Descriptor and Field Edit Specifications for Type-13 Records

Type-13 records are used for the submission of variable resolution latent fingerprint images. Please refer to "*The American National Standard Institute (ANSI/NIST) National Institute of Standards and Technology, Data Format for the Interchange of Fingerprint, Facial and other Biometric Information*" and *"Electronic Biometric Transmission Specification (EBTS), (NGI-DOC-01078-10.0 July 2, 2013)"* for the proper edits and formatting of Type-13 Records.

GBI does not require or allow Type-13 records on any of its live scan submitted transaction types at this time.

17   Descriptor and Field Edit Specifications for Type-14 Records

Type-14 records are used for the submission of 1000ppi fingerprint images. Fingerprint images may be submitted at either 500ppi or 1000ppi but not a mixture of the two. Also, please not that Fingerprint submissions to the GBI AFIS must include at least one fingerprint image. Please refer to "*The American National Standard Institute (ANSI/NIST) National Institute of Standards and Technology, Data Format for the Interchange of Fingerprint, Facial and other Biometric Information*" and *"Electronic Biometric Transmission Specification (EBTS), (NGI-DOC-01078-10.0 July 2, 2013)"* for the proper edits and formatting of Type-14 Records.

See the section "*Allowed NIST Record Types per TOT*" for the types of transactions for which this record type is allowed/required and the number of records that are allowed.

18 Descriptor and Field Edit Specifications for Type-15 Records

Type-15 records are used for the submission of 500ppi or 1000ppi palmprint images. Palmprint images may be submitted at either 500ppi or 1000ppi but not a mixture of the two. Please note that when palmprints are submitted, each hand submitted must have a full set of palmprint images which includes the full palm, distals, and writer's palm. Palmprints *must* be submitted with Sex Offender registration (SEX) transactions. Please refer to "*The American National Standard Institute (ANSI/NIST) National Institute of Standards and Technology, Data Format for the Interchange of Fingerprint, Facial and other Biometric Information*" and *"Electronic Biometric Transmission Specification (EBTS), (NGI-DOC-01078-10.0 July 2, 2013)"* for the proper edits and formatting of Type-15 Records.

See the section "*Allowed NIST Record Types per TOT*" for the types of transactions for which this record type is allowed/required and the number of records that are allowed.

19 Descriptor and Field Edit Specifications for Type-16 Records

Type-16 records are used for the submission of image records for developmental purposes. Please refer to "*The American National Standard Institute (ANSI/NIST) National Institute of Standards and Technology, Data Format for the Interchange of Fingerprint, Facial and other Biometric Information*" and *"Electronic Biometric Transmission Specification (EBTS), (NGI-DOC-01078-10.0 July 2, 2013)"* for the proper edits and formatting of Type-16 Records.

GBI does not require or allow Type-16 records on any of its live scan submitted transaction types at this time

20   Descriptor and Field Edit Specifications for Type-17 Records

Type-17 records are used for the submission of iris image data. Please refer to "*The American National Standard Institute (ANSI/NIST) National Institute of Standards and Technology, Data Format for the Interchange of Fingerprint, Facial and other Biometric Information*" and *"Electronic Biometric Transmission Specification (EBTS), (NGI-DOC-01078-10.0 July 2, 2013)"* for the proper edits and formatting of Type-17 Records.

GBI does not require the submission of Type 17 records for any live scan submission and does not make use of them but they are allowed for most transaction types. See the section "*Allowed NIST Record Types per TOT*" for the types of transactions for which this record type is allowed and the number of records that are allowed

21   Descriptor and Field Edit Specifications for Type-18 Records

Type-18 records are used for the submission of DNA and related data. Please refer to "*The American National Standard Institute (ANSI/NIST) National Institute of Standards and Technology, Data Format for the Interchange of Fingerprint, Facial and other Biometric Information*" and *"Electronic Biometric Transmission Specification (EBTS), (NGI-DOC-01078-10.0 July 2, 2013)"* for the proper edits and formatting of Type-18 Records.

GBI does not require or allow Type-18 records on any of its live scan submitted transaction types at this time

22 Descriptor and Field Edit Specifications for Type-19 Records

Type-19 records are used for the submission of variable resolution plantar print image data. Please refer to "*The American National Standard Institute (ANSI/NIST) National Institute of Standards and Technology, Data Format for the Interchange of Fingerprint, Facial and other Biometric Information*" and *"Electronic Biometric Transmission Specification (EBTS), (NGI-DOC-01078-10.0 July 2, 2013)"* for the proper edits and formatting of Type-19 Records.

GBI does not require or allow Type-19 records on any of its live scan submitted transaction types at this time

23 Descriptor and Field Edit Specifications for Type-20 Records

Type-20 records are used for the submission of source data from which other record data is derived. Please refer to "*The American National Standard Institute (ANSI/NIST) National Institute of Standards and Technology, Data Format for the Interchange of Fingerprint, Facial and other Biometric Information*" and *"Electronic Biometric Transmission Specification (EBTS), (NGI-DOC-01078-10.0 July 2, 2013)"* for the proper edits and formatting of Type-20 Records.

GBI does not require or allow Type-20 records on any of its live scan submitted transaction types at this time

24   Descriptor and Field Edit Specifications for Type-21 Records

Type-21 records are used for the submission of associated context image, audio / visual recording or other related data. Please refer to "*The American National Standard Institute (ANSI/NIST) National Institute of Standards and Technology, Data Format for the Interchange of Fingerprint, Facial and other Biometric Information*" and *"Electronic Biometric Transmission Specification (EBTS), (NGI-DOC-01078-10.0 July 2, 2013)"* for the proper edits and formatting of Type-21 Records.

GBI does not require or allow Type-21 records on any of its live scan submitted transaction types at this time

25 Descriptor and Field Edit Specifications for Type-22 Records

Type-22 records are used for the submission of forensic imagery and associated data that is not included in the Type-10 record – which contains 2D visible light (380-780 nm) images. Please refer to "*The American National Standard Institute (ANSI/NIST) National Institute of Standards and Technology, Data Format for the Interchange of Fingerprint, Facial and other Biometric Information*" and *"Electronic Biometric Transmission Specification (EBTS), (NGI-DOC-01078-10.0 July 2, 2013)"* for the proper edits and formatting of Type-22 Records.

GBI does not require or allow Type-22 records on any of its live scan submitted transaction types at this time

26   Descriptor and Field Edit Specifications for Type-98 Records

Type-98 records are used for the submission of security information that allows for the assurance of the authenticity and/or integrity of the transaction, including such information as binary data hashes, attributes for audit or identification purposes, and digital signatures. Please refer to "*The American National Standard Institute (ANSI/NIST) National Institute of Standards and Technology, Data Format for the Interchange of Fingerprint, Facial and other Biometric Information*" and *"Electronic Biometric Transmission Specification (EBTS), (NGI-DOC-01078-10.0 July 2, 2013)"* for the proper edits and formatting of Type-98 Records.

GBI does not require or allow Type-98 records on any of its live scan submitted transaction types at this time

27 Descriptor and Field Edit Specifications for Type-99 Records

Type-99 records are used for the submission of biometric data that is not supported by other ANSI/NIST-ITL record types. Please refer to "*The American National Standard Institute (ANSI/NIST) National Institute of Standards and Technology, Data Format for the Interchange of Fingerprint, Facial and other Biometric Information*" and *"Electronic Biometric Transmission Specification (EBTS), (NGI-DOC-01078-10.0 July 2, 2013)"* for the proper edits and formatting of Type-99 Records.

GBI does not require or allow Type-99 records on any of its live scan submitted transaction types at this time

28 Type-1 Record Specification

Data Element	Field Num	Field Type	Min Len	Max Len	Max Occurs	Format	Mand/Opt	Edit Criteria
LEN	1.001	N	2	5	1	F	M	Length of record including every character of every field.
VER	1.002	N	4	4	1	F	M	Always "0500"
CNT	1.003	AN	3	5	53	LJ	M	See Section 7.3 for description
TOT	1.004	A	2	4	1	LJ	M	Valid Type of Transaction
DAT	1.005	N	8	8	1	F	M	Date of NIST file creation in form yyyymmdd. Must be less than or equal to current date
PRY	1.006	N	1	1	1	F	O	Transaction Priority. If specified, should be "3" for GBI transactions.
DAI	1.007	AN	9	9	1	F	M	Always "GAGBI0092"
ORI	1.008	AN	9	9	1	F	M	Submitting Agency ORI (hard coded per device)
TCN	1.009	AN	10	10	1	F	M	Live Scan TCN
TCR	1.010	AN	14	14	1	F	O	Transaction Reference when resubmitting
NSR	1.011	N	5	5	1	F	M	See Section 7.11 for description
NTR	1.012	N	5	5	1	F	M	See Section 7.12 for description
DOM	1.013	AN	15	15	1	F	M	Always "NORAM<US>EBTS 10.0"

Table 28-1: GBI Type-1 Record Specification

29 Type-2 Record Specification per TOT

Below is a table showing the possible Type-2 fields for each type of transaction:

Data Element	Field Num	Field Type	Min Len	Max Len	Format	Edit Criteria	APP	CAR	CNA	COR	JCOR	JUV	SEX	SOT
LEN	2.001	N	2	7	F	Section 8.1	1	1	1	1	1	1	1	1
IDC	2.002	N	2	2	F	Section 8.2	1	1	1	1	1	1	1	1
RET	2.005	A	1	1	F	Section 8.3	1	1	1	1	1	1	1	1
SCO	2.007	ANS	9	19	F	Section 8.4	0..9	0..9	0..9	-	-	0..9	-	-
OCA	2.009	ANS	1	20	LJ	Section 8.5	0..1	0..1	0..1	0..1	0..1	0..1	0..1	-
SRN	2.009	ANS	6	6	F	Section 8.6	-	-	-	-	-	-	-	1
FBI/UCN	2.014	AN	1	9	LJ	Section 8.7	0..5	0..5	0..5	-	-	0..5	0..5	-
SID	2.015	ANS	8	8	RJ-0F	Section 8.8	0..1	0..1	0..1	-	-	0..1	0..1	-
SSN	2.016	N	9	9	F	Section 8.9	0..4	0..4	0..4	0..4	0..4	0..4	0..4	0..4
MNU	2.017	ANS	4	15	LJ	Section 8.10	0..4	0..4	0..4	0..4	0..4	0..4	-	-
NAM	2.018	ANS	3	30	LJ	Section 8.11	1	1	1	1	1	1	1	1
AKA	2.019	ANS	3	30	LJ	Section 8.12	0..10	0..10	0..10	0..10	0..10	0..10	0..10	0..10
POB	2.020	A	2	2	F	Section 8.13	1	1	1	1	1	1	1	1
CTZ	2.021	A	2	2	F	Section 8.14	0..10	0..10	0..10	0..10	0..10	0..10	-	-
DOB	2.022	N	8	8	F	Section 8.15	1..5	1..5	1..5	1..5	1..5	1..5	1..5	1..5
SEX	2.024	A	1	1	F	Section 8.16	1	1	1	1	1	1	1	1
RACE	2.025	A	1	1	F	Section 8.17	1	1	1	1	1	1	1	1
SMT	2.026	N	3	3	F	Section 8.18	0..10	0..10	0..10	0..10	0..10	0..10	-	-
HGT	2.027	N	3	3	F	Section 8.19	1	1	1	1	1	1	1	1
WGT	2.029	N	3	3	F	Section 8.20	1	1	1	1	1	1	1	1
EYES	2.031	A	3	3	F	Section 8.21	1	1	1	1	1	1	1	1
HAIR	2.032	A	3	3	F	Section 8.22	1	1	1	1	1	1	1	1
PALM PRINTS	2.035	A	1	1	F	Section 8.23	0..1	0..1	0..1	0..1	0..1	0..1	0..1	-
PHOTO	2.036	A	1	1	F	Section 8.24	0..1	0..1	0..1	0..1	0..1	0..1	0..1	-
FBI RFP	2.037	ANS	1	75	LJ	Section 8.25	1	-	-	-	-	-	-	-
DPR	2.038	N	8	8	F	Section 8.26	1	-	-	-	-	-	-	-
EAD	2.039	ANS	1	120	LJ	Section 8.27	0..1	0..1	0..1	-	-	0..1	-	-
OCP	2.040	ANS	1	50	LJ	Section 8.28	0..1	0..1	0..1	-	-	0..1	-	-
ADD	2.041	ANS	1	120	LJ	Section 8.29	0..1	0..1	0..1	-	-	0..1	-	-
DOA	2.045	N	8	8	F	Section 8.30	-	1	1	-	-	1	-	-
DOO	2.047	N	8	8	F	Section 8.31	-	0..999	0..999	-	-	0..999	-	0

Field	Number	Type	Min	Max	Just	Section								
CHARGE DESC	2.047	ANS	1	100	LJ		-	1..999	1..999	-	-	1..999	-	1
ICO	2.056	ANS	1	50	LJ	Section 8.32	-	0..1	0..1	0..1	0..1	0..1	-	-
IMA	2.067	ANS	1	100	LJ	Section 8.33	0..1	0..1	0..1	0..1	0..1	0..1	0..1	0..1
RAP	2.070	A	1	1	F	Section 8.34	1	1	1	1	1	1	-	1
CRI	2.073	AN	9	9	F	Section 8.35	1..3	1..3	1..3	1..3	1..3	1..3	1..3	1..3
AMP FGN	2.084	N	2	2	F	Section 8.36	0..13	0..13	0..13	0..13	0..13	0..13	0..13	0..13
AMP AMPCD	2.084	A	2	2	F		0..13	0..13	0..13	0..13	0..13	0..13	0..13	0..13
TAA	2.087	A	1	1	F	Section 8.37	-	0..1	0..1	0..1	-	-	0..1	-
OTN	2.101	N	11	11	RJ-0F	Section 8.38	-	0..1	0..1	1	1	0..1	-	-
CAU	2.104	A	1	1	F	Section 8.39	-	0..2	0..2	0..2	0..2	0..2	-	-
CHARGE CODE	2.106	N	4	4	RJ-0F	Section 8.40	-	1..999	1..999	-	-	1..999	-	1
TCN	2.109	AN	14	14	F	Section 8.41	1	1	1	1	1	1	1	1
CIT	2.111	ANS	1	17	LJ	Section 8.42	-	0..999	0..999	-	-	0..999	-	-
TRANSFER TO	2.114	N	1	1	F	Section 8.43	-	1	1	-	-	1	-	-
CONTRIBUTOR NAME	2.119	AN	1	50	LJ	Section 8.44	1	1	1	1	1	1	1	1
CONTRIBUTOR ADDRESS	2.120	AN	1	50	LJ	Section 8.45	1	1	1	1	1	1	1	1
OFFICIAL TAKING PRINTS	2.121	AN	1	30	LJ	Section 8.46	-	0..1	0..1	0..1	0..1	0..1	0..1	0..1
CHARGE COMMENT	2.123	AN	1	46	LJ	Section 8.47	-	0.999	0.999	-	-	0.999	-	-
DLNUM	2.125	AN	1	25	LJ	Section 8.48	0..1	0..1	0..1	0..1	0..1	0..1	0..1	-
GBI RFP	2.126	AN	3	20	LJ	Section 8.49	0..1	-	-	-	-	-	-	-
DL STATE	2.127	AN	2	2	F	Section 8.50	0..1	0..1	0..1	0..1	0..1	0..1	0..1	-
TRANSFER TO ORI	2.128	AN	9	9	F	Section 8.51	-	0..1	0..1	-	-	0..1	-	-
SMT DESC	2.131	AN	3	30	LJ	Section 8.52	0..10	0..10	0..10	0..10	0..10	0..10	-	-
PRIVACY RIGHTS	2.198	A	1	1	F	Section 8.53	1	-	-	-	-	-	-	-
GAPS ID	2.199	AN	1	7	F	Section 8.54	0..1	-	-	-	-	-	-	-
INMATE NUMBER	2.200	AN	10	10	RJ-0F	Section 8.55	-	-	-	1	1	-	-	-
CORRECTIONS STATUS	2.201	N	4	4	F	Section 8.56	-	-	-	1..999	1..999	-	-	-
CORRECTIONS ACTION DATE	2.202	N	8	8	F	Section 8.57	-	-	-	1	1	-	-	-

CORRECTIONS DESCRIPTION	2.203	AN	1	120	LJ	Section 8.58	-	-	-	1..999	1..999	-	-	-

Table 29-1: GBI Type-2 Record Specification per TOT

30   Allowed NIST Record Types per TOT

Each live scan NIST submission must contain a single Type-1 and single Type-2 record. Other record types allowed or required are shown below:

TOT	T4*	T7	T8	T9	T10	T11	T12	T13	T14**	T15	T16	T17	T18	T19	T20	T21	T22	T98	T99
APP	2-14	0	0	0	0	0	0	0	2-14	0	0	0-2	0	0	0	0	0	0	0
CAR	2-14	0	0	0	0-25	0	0	0	2-14	0-10	0	0-2	0	0	0	0	0	0	0
CNA	2-14	0	0	0	0-25	0	0	0	2-14	0-10	0	0-2	0	0	0	0	0	0	0
COR	2-14	0	0	0	0-25	0	0	0	2-14	0-10	0	0-2	0	0	0	0	0	0	0
JCOR	2-14	0	0	0	0-25	0	0	0	2-14	0-10	0	0-2	0	0	0	0	0	0	0
JUV	2-14	0	0	0	0-25	0	0	0	2-14	0-10	0	0-2	0	0	0	0	0	0	0
SEX	2-14	0	0	0	0-25	0	0	0	2-14	2-10***	0	0-2	0	0	0	0	0	0	0
SOT	2-14	0	0	0	0-25	0	0	0	2-14	0-10	0	0-2	0	0	0	0	0	0	0

*Type-4 images are used with 500ppi fingerprint submissions. If submission is 500ppi, no Type-14 images should be in submission. There should be at least two images (a minimum of 1 rolled finger and the corresponding slap print). Submissions with no fingerprints will not be accepted.

**Type-14 images are used with 1000ppi fingerprint submissions. If submission is 1000ppi, no Type-4 images should be in submission. There should be at least two images (a minimum of 1 rolled finger and the corresponding slap print). Submissions with no fingerprints will not be accepted.

***Sex Offender Transactions require palmprints so the palm of at least one hand should be submitted. When palmprints are submitted for any transaction, a full set of palm images for each hand submitted should be present as per FBI Best practices. If only a partial set of palm images is sent for either hand, the transaction will be rejected.

31   Validation Table Examples

Below are example formats of the various validation tables. Please note that while the format should stay the same, the record contents of each of the examples below are not all complete and are subject to change.

31.1   Revcon.dta

Format:

Item	Description	Start Offset	Length
Revision Date	Date of last change in form yyyyjjjhhmmss where: yyyy – year jjj – Julian date hhmm – time in 24 hr format First line is last revision time of *any* table.	1	11
Valtab table	Valtab table name (minus .txt extension). First line is empty.	12	8

Example Data:

```
20141111529
20122901227cau
20130101647citizen
20141111529cnt
20133540956corract
20121681700eye
20122761040hai
20121681700mnu
```

```
20140351626offense
20121681700pob
20121681700rac
20132321130reject
20140970948rfp
20121681700sex
20121681700smt
20121681700state
20121681700tot
20121801451type1
20121801451type1new
```

31.2   cau.txt

Format:

Item	Description	Start Offset	Length
Caution flag	Caution flag value	1	1
Caution Description	Caution flag description	2	100

Example:

```
C Alerts law enforcement personnel that this subject is dangerous and to use caution.
F Indicates false identity.
W indicates WANTED (FBI Stop Order).
```

31.3   citizen.txt

Format:

Item	Description	Start Offset	Length
Citizenship Code	Two letter country of citizenship	1	2

	code.		
Country Name	Country name for Citizenship code	4	80

Example

```
AA ALBANIA
AD ANDORRA
AE ANGUILLA
AF AFGHANISTAN
AG AGUASCALIENTES
AH ASHMORE, CARTIER
AI ANTIGUA, BARBUDA
AJ ARUBA
AN ALGERIA
AO ANGOLA
AP ARMENIA
AQ AZORES ISLANDS
AS AUSTRALIA
AT ARGENTINA
AU AUSTRIA
AV AZERBAIJAN
BB BARBADOS
```

31.4   cnt.txt

Format:

Item	Description	Start Offset	Length
Contributor Code	Nine character Contributor Code (ORI or OAC)	1	9
Agency Name	Contributor Agency Name	10	45
Agency City	Contributor Agency Address City	55	30

Agency State	Contributor Agency Address State	85	2

Example

```
GA0010000APPLING CO SO                       BAXLEY              GA
GA0010100Baxley Police Department            Baxley              GA
GA0010300GRAHAM POLICE DEPARTMENT            GRAHAM              GA
GA0010400APPLING COUNTY BOE POLICE DEPT      BAXLEY              GA
GA001073JAppling County Probate Court        Baxley              GA
GA0020000ATKINSON CNTY SHERIFFS OFFICE       PEARSON             GA
GA002013JATKINSON COUNTY PROBATE COURT       PEARSON             GA
GA002015JATKINSON CO SUP CT                  PEARSON             GA
GA0020200WILLACOOCHEE POLICE DEPT            WILLACOOCHEE        GA
GA002021JWILLACOOCHEE MUNICIPAL COURT        WILLACOOCHEE        GA
GA002043JATKINSON CO MAG CT                  PEARSON             GA
GA002901AATHENS CLARKE CO POLICE             ATHENS              GA
GA0030000BACON COUNTY SHERIFFS OFFICE        ALMA                GA
GA0030100ALMA POLICE DEPT                    ALMA                GA
GA003011JALMA RECORDERS COURT                ALMA                GA
GA003013JBACON CO PROBATE COURT              ALMA                GA
```

31.5   corract.txt

Format:

Item	Description	Start Offset	Length
Correction Action Code	Correction Action Code	1	4
Correction Action Description	Correction Action Description	5	120

Example:

```
0459Commuted By the Court
0460Extended Motion Appealed
0461Conditional Transfer In State
0462Paroled- Other State
0464Released- Good Time
```

```
0465Remit to Probation or Pardon and Parole
0466Reprieve and Cond Computation
0467Reprieve and Conditional Commutation Revoked
0468Return to Court
0469Revoked Suspended Sentence
0470Paid Fine
0471Commuted By Parole Board
0474Special Reprieve
0480Conditional Release - Youthful Offender Act
```

31.6   eye.txt

Format:

Item	Description	Start Offset	Length
Eye Color Code	Eye Color Code	1	3
Eye Color Description	Eye Color Description	4	80

Example:

```
BLKBLACK
BLUBlue
BROBROWN
GRNGreen
GRYGray
HAZHAZEL
MARMaroon
MULMulticolored
PNKPINK
XXXUnknown
```

31.7   hai.txt

Format:

Item	Description	Start Offset	Length
Hair Color Code	Hair Color Code	1	3
Hair Color Description	Hair Color Description	4	80

Example:

```
BLKBlack
BLNBlonde
BLUBlue
BROBROWN
GRYGray
ONGOrange
PLEPurple
PNKPink
REDRed
SDYSandy
WHIWhite
XXXUnknown or Bald
```

31.8   mnu.txt

Format:

Item	Description	Start Offset	Length
MNU Prefix Code	MNU Prefix Code	1	2
MNU Prefix Description	MNU Prefix Description	4	80

Example:

```
AF Air Force Serial Number
AN Non-Immigrant Admission Number
AR Alien Registration
AS Army/National Guard/Air National Guard Serial Number
BF Bureau Fugitive Index Number
CG U.S. Coast Guard Serial Number
CI Canadian Social Insurance Number
IO Identification Order Number
MC Marine Corps Serial Number
```

```
MD Mariners Document or Identification Number
MP Royal Canadian Mounted Police Identification or Fingerprint Section Number
NA National Agency Case Number
NS Navy Serial Number
PP Passport Number
PS Port Security Card Number
SS Selective Service Number
VA Veterans Administration Claim Number
```

31.9   offense.txt

Format:

Item	Description	Start Offset	Length
Offense Code	Offense Charge Code (Four digit GCIC code)	1	4
Offense Citation	Offense Statute Citation (up to 17 characters)	5	17
Offense Description	Offense Charge Description	22	100

Example:

```
000816-4-7(b)       CRIMINAL SOLICITATION
000916-4-1          CRIMINAL ATTEMPT TO COMMIT A MISDEMEANOR
001116-4-1          CRIMINAL ATTEMPT TO COMMIT A FELONY
001316-4-8          CONSPIRACY TO COMMIT A MISDEMEANOR
001416-7-20         POSSESSION OF TOOLS FOR COMMISSION OF A CRIME
001516-4-8          CONSPIRACY TO COMMIT A FELONY
001616-4-10         DOMESTIC TERRORISM - FELONY
010116-11-1         TREASON
010916-11-4         ADVOCATING OVERTHROW OF GOVERNMENT
011516-11-3         INCITING TO INSURRECTION
012016-11-2         INSURRECTION
012516-11-14        FALSE SWEARING IN CONNECTION WITH SUBVERSIVE ACTIVITIES
020038-2-301(b)     CLOSING PLACES WHERE FIREARMS AND AMMUNITION SOLD, WHERE DISORDER LIKELY TO OCCUR
020138-2-302(b)     CONTROL OF STREETS IN CASE OF RIOT, ROUT, MOB, TUMULT, OR UNLAWFUL ASSEMBLY
020238-2-303(b)     DISPERSION OF MOB; ORDERS; WHERE ORDER UNNECESSARY; PENALTY FOR FAILURE TO DISPERSE
020338-2-304(b)     DUTY OF CITIZENS TO DISPERSE WHEN SHOT FIRED OR MISSILE THROWN
020438-2-305(b)     AUTHORITY OF COMMANDING OFFICER TO ORDER JAIL, BUILDING, OR OTHER PLACES OFF LIMITS
```

31.10   pob.txt

Format:

Item	Description	Start Offset	Length
Place of Birth Code	Two letter place of birth code	1	2
Place of Birth Full Name	Full Name of Country or state identified by Place of Birth Code	4	80

Example:

```
AA ALBANIA
AB ALBERTA
AD ANDORRA
AE ANGUILLA
AF AFGHANISTAN
AG AGUASCALIENTES
AH ASHMORE, CARTIER
AI ANTIGUA, BARBUDA
AJ ARUBA
AK ALASKA
AL ALABAMA
AM AMERICAN SAMOA
AN ALGERIA
AO ANGOLA
AP ARMENIA
AQ AZORES ISLANDS
AR ARKANSAS
AS AUSTRALIA
AT ARGENTINA
AU AUSTRIA
```

31.11   rac.txt

Format:

Item	Description	Start Offset	Length
Race Code	One letter race code	1	1
Race Description	Description of race represented by race code.	4	80

Example:

```
A  Asian or Pacific Islander
B  Black
I  American Indian and Alaskan Native
U  Unknown
W  White (includes Mexicans and Latinos)
```

31.12   reject.txt

Format:

Item	Description	Start Offset	Length
Reject Code	Four character transaction reject code	1	4
Reject Description	Description of Type of reject represented by reject code	5	80

Example:

```
R001LEN not present, please resend
R002LEN invalid, please correct and resend
R003IDC not present, please resend
R004IDC invalid, please correct and resend
R005RET not present, please resend
R006RET invalid, please correct and resend
R007Send Copy To invalid, must contain a valid ORI
R008OCA invalid, please correct and resend
R009Reserved for Future Use
R010SID invalid, please correct and resend
```

R011SOC invalid, please correct and resend

31.13   rfp.txt

Format:

Item	Description	Start Offset	Length
GBI Applicant Statute	GBI Applicant Statute Code (GBIApplicant Reason Fingerprinted)	1	17
GBI Reason Fingerprinted Description	Description of GBI Applicant Reason Fingeprinted represented by GBI Applicant Statute	18	75
FBI Reason Fingerprinted	FBI Reason Fingerprinted that corresponds to this GBI Applicant Statute	93	75

Example:

```
013              Fingerprint Card Only - No Check                             GA Check
014              GBI Contractor CJ Security Checks                            Criminal Justice Employment
015              State Agency Employment - GA Check Only                      GA Check
016              Record Inspection - Lobby Office                             GA Check
017              GA Check - Lobby Office                                      GA Check
10-5-35          Sec of State - Broker-Dealers, Agents, Invest Advis/Sales Persons   Other
10-9-9           Georgia World Congress Center                               Other
15-16-1          Sheriff - Candidate                                          Criminal Justice Employment
16-11-129        Pistol Permit                                               Firearms
16-11-129(H)     Pistol Permit - Former LE Officer                           Firearms
17-6-50          Bondsman - Professional                                     Other
19-8-16          Adoption Investigation by Court Appointed Agent             Other
```

31.14   sex.txt

Format:

Item	Description	Start Offset	Length
Sex Code	Sex Code	1	1
Sex Description	Description of Sex represented by code	2	80

Example:

```
FFemale
MMale
UUnknown
```

31.15   smt.txt

Format:

Item	Description	Start Offset	Length
SMT Code	Three digit SMT code	1	3
SMT Code Description	Description of SMT represented by code	4	80

Example:

```
622Tattoo - Ear, right
623Tattoo - Ear, left
624Tattoo - R Eye
625Tattoo - L Eye
629Tattoo - Face, nonspecific
630Tattoo - Finger(s), right hand
631Tattoo - Finger(s), left hand
632Tattoo - Foot, right
633Tattoo - Foot, left
634Tattoo - Forehead
```

31.16   state.txt

Format:

Item	Description	Start Offset	Length
State Code	Two letter state code	1	2
State Name	Name of State represented by code	4	80

Example:

```
AK ALASKA
AL ALABAMA
AR ARKANSAS
AZ ARIZONA
CA CALIFORNIA
CO COLORADO
CT CONNECTICUT
DC DISTRICT OF COLUMBIA
DE DELAWARE
FL FLORIDA
GA GEORGIA
HI HAWAII
```

31.17   tt.txt

Format:

Item	Description	Start Offset	Length
Transfer To Code	One character Transfer To code	1	1
Transfer To Description	Transfer To description represented by code	5	80

Example:

```
    None/Not Specified
1   In State
2   Out of State
```

31.18   type1.txt

(legacy transaction types table will be retained for transaction)

Format:

Item	Description	Start Offset	Length
Transaction Type Code	Code for Type of Transaction	1	4
Transaction Type Description	Transaction Type Description	5	80

Example:

```
APP Electronic Apllicant
CAR Electronic Criminal
CNA Electronic Criminal
COR Electronic Corrections
JCORElectronic Juvenile Corrections
JUV Electronic Juvenile
SEX Sex Offender Registration
SOT Search Only Transaction
```

31.19   type1new.txt

(new transaction types table to be used for EBTS 10.0)

Format:

Item	Description	Start Offset	Length
Transaction Type Code	Code for Type of Transaction	1	16
Transaction Type Description	Transaction Type Description	17	80

Example:

```
APP             Electronic Apllicant
CAR             Electronic Criminal
CNA             Electronic Criminal
COR             Electronic Corrections
JCOR            Electronic Juvenile Corrections
JUV             Electronic Juvenile
SEX             Sex Offender Registration
SOT             Search Only Transaction
```