

Edge devices, intermediary equipment, (such as a central server or store and forward box) and related software must be certified by FDLE to ensure correct procedures and format in the collection and submission of fingerprint records. Products which do not meet the hardware or the software requirements specified in this document will not be certified or permitted to connect to FDLE's Rapid Identification (RID) system. Any "upgrades" or changes to either software or hardware will require re-certification by FDLE prior to product delivery to ensure compliance with this document. Any hardware or software changes resulting in non-compliance with this document will result in the certification being revoked. Requirements are outlined within the FALCON ICD Version 2.41 dated May 05, 2009

In order to certify devices vendors must contact FDLE and schedule a time to start the process. At time of scheduling, vendors will notify FDLE as to which optional processes (Search Submissions, Match Submissions, Add to Watch List Submissions, etc) they choose to have certified. Certification of any process will require certification of Registration process. Vendors must allow sufficient time at FDLE to demonstrate all facets of their devices. Vendors must have all components present at FDLE during the certification process. Failure to have equipment present or inability to demonstrate any facet of the device will result in a non-certification. The vendor will then need to reschedule a certification timeframe and redo all processes. Certification is only valid for the processes demonstrated.

This document will be updated as needed to reflect changes within the FALCON system that affect submissions from edge devices. All requirements listed on the checklist must score a PASS in order for the edge device to achieve a certification.

CONFIGURATION DATA

Edge devices will be attached to the FDLE network during the certification period. The following data will be used to configure the equipment to 1) attach to FDLE's network, 2) transmit/receive data from the RID test system.

IP: 162.143.93.127
Netmask: 255.255.255.0
Gateway: 162.143.93.1
DNS 1: 162.143.93.8
DNS 2: 162.143.93.81

Mnemonic: D37011050
ORI: FL03788W1
DAI: FL0370100
Port: 443
Authorization Name: RapidTest_IF

HTTPS:
<https://b2atestweb.flcjn.net:7022/falconweb/controller/RIDRequestProcess/filename.nist>

Test SSN: 937011050 Alt #: 837011050

REGISTRATION

The edge device must demonstrate the ability to properly register with the RID Test system. The edge device will construct a properly formatted NIST packet containing the following data elements:

NIST Type -1	See Note One
NIST Type -2 data fields	2.001, Logical Record Length
	2.002, Image Designation Character
	2.067, Image Capture Equipment
	2.584, Vendor Name
	2.591, Device Registration
	2.594, Device ORI
	2.595, Device Mnemonic
	2.631, Contact User ID
	2.632, Device Type

NOTE One: Field 1.04, will use RID as the Type of Transaction for all submissions.

The edge device must connect via HTTPS to the RID Test Pilot and submit the packet. A response NIST packet will be forwarded back to the device, containing the following data elements:

NIST Type – 1	
NIST Type – 2 data fields	2.001, Logical Record Length
	2.002, Image Designation Character
	2.589, Device Identifier
	2.594, Device ORI
	2.595, Device Mnemonic

The edge device must incorporate field 2.589 into all future submissions. Failure to do so will result in being rejected by FALCON.

SEARCH SUBMISSIONS

The edge device shall submit a well-formed packet to FALCON using the methods described in the most current version of the FALCON ICD. A well-formed NIST packet



complies with the NIST Type-1 and Type-2 formats specified in this document. Additionally the packet will contain either NIST Type-4 or NIST Type-14 image fields.

Scanned fingerprint images shall be taken from the following fingers: right index (image 2), right middle (image 3), left index (image 7), or left middle (image 8) for Identity Search.

Edge devices must properly identify the image position number being captured in the Type-4 packets. The edge device shall provide the operator the ability to indicate which fingers should be captured. Simultaneous capture of flat impressions of two fingers is allowed. A simultaneously captured image can be sent as finger position 13 or 14, or the edge device can segment the fingers and submit them as two separate images as long as the position number 2, 3, 7, or 8 is included. The edge device will construct a properly formatted NIST packet containing the following data elements:

NIST Type -1

NIST Type -2 data fields

- 2.001, Logical Record Length
- 2.002, Image Designation Character
- 2.037, Reason Fingerprinted
- 2.038, Date Printed
- 2.067, Image Capture Equipment
- 2.584, Vendor Name
- 2.589, Device ID
- 2.590, Operator SSN
- 2.594, Device ORI
- 2.595, Device Mnemonic
- 2.631, Contact User ID

NIST Type – 2 Optional

- 2.070, Request for Criminal History
- 2.567, Wants/Warrants
- 2.588, III Status Check
- 2.599, Criminal History Summary
- 2.610, SID Only request
- 2.620, III Criminal History (Full)

MATCH SUBMISSIONS

The edge device shall submit a well-formed packet to FALCON using the methods described in the most current version of the FALCON ICD. A well-formed NIST packet complies with the NIST Type-1 and Type-2 formats specified in this document. Additionally the packet will contain NIST Type-4 image fields.

Scanned fingerprint images shall be taken from the following fingers: right index (image 2), or left index (image 7), for Match submission.

Edge devices must properly identify the image position number being captured in the Type-4 packets. The edge device shall provide the operator the ability to indicate which fingers should be captured. The edge device will construct a properly formatted NIST packet containing the following data elements:

NIST Type -1

NIST Type -2 data fields

- 2.001, Logical Record Length
- 2.002, Image Designation Character
- 2.014, FBI Number**
- 2.015, State Identification Number**
- 2.037, Reason Fingerprinted
- 2.038, Date Printed
- 2.067, Image Capture Equipment
- 2.572, DOC #**
- 2.584, Vendor Name
- 2.589, Device ID
- 2.590, Operator SSN
- 2.594, Device ORI
- 2.595, Device Mnemonic
- 2.631, Contact User ID

NIST Type – 2 Optional

- 2.070, Request for Criminal History
- 2.567, Wants/Warrants
- 2.588, III Status Check
- 2.599, Criminal History Summary
- 2.610, SID Only request
- 2.620, III Criminal History (Full)

* **Requestor will select one of these three fields per submission.

SEARCH/MATCH RESPONSES

The response to either a Search or Match submission will be a NIST record containing Type -1 and Type -2 data fields. The response for a Search submission will be either "HIT", "NO HIT", "AMBIGUOUS" or "ERROR". The response for a Match submission will be either "HIT", "NO HIT", "NO RECORD" or "ERROR". Criminal History and Want/Warrant data will be included in the response if requested in the submission packet. The response will be a properly formatted NIST packet containing the following data elements

NIST Type -1

NIST Type -2 data fields

- 2.001, Logical Record Length



2.014, FBI Number
2.015, State Identification Number
2.016, SSN
2.017, Miscellaneous Number
2.018, Name
2.019, Aliases
2.020, POB
2.021, Citizenship
2.022, Date of Birth
2.024, Sex
2.025, Race
2.026, Scars, Marks, Tattoos
2.027, Height
2.029, Weight
2.031, Eye Color
2.032, Hair
2.033, NCIC Fingerprint Classification
2.039, Employer and Address
2.040, Occupation
2.041, Residence
2.059, Search Results
2.060, Status/Error Message
2.064, Candidate List
2.075, Electronic Rapsheet
2.553, Immigration Status
2.572, DOC #
2.573, DJJ #
2.575, AFIS Indicator
2.576, Reel
2.577, Frame
2.592, Warrant/FCIC/NCIC
2.593, III Data
2.598, FALCON ID
2.601, DNA Availability Status
2.621, National Rapsheet



ADD WATCH LIST SUBMISSIONS

An Add to Watch List transaction is performed to determine the identity of an individual biometrically and to add that individual to a user's watch list. Upon Add to Watch List selection, the operator will be prompted for the mandatory data fields shown in **bold** in Figure 3.1 on Pg. 22 of the ICD and listed below in the NIST Type -2 data fields.

When an Add to Watch List transaction is performed, the edge device operator shall be allowed to enter data into the NIST Type – 2 Optional fields listed below. The edge device operator shall be allowed to enter watch list data along with two fingerprint image to be searched.

NIST Type -1

NIST Type -2 data fields

- 2.001, Logical Record Length
- 2.002, Image Designation Character
- 2.037, Reason Fingerprinted
- 2.038, Date Printed
- 2.067, Image Capture Equipment
- 2.584, Vendor Name
- 2.589, Device ID
- 2.590, Operator SSN
- 2.594, Device ORI
- 2.595, Device Mnemonic
- 2.622, Watch List Owner
- 2.626, Notification Type
- 2.627, Watch List Category
- 2.628, Expiration Date
- 2.631, Contact User ID

NIST Type – 2 Optional

- 2.070, Request for Criminal History
- 2.567, Wants/Warrants
- 2.588, III Status Check
- 2.599, Criminal History Summary
- 2.610, SID Only request
- 2.620, III Criminal History (Full)
- 2.623, Other Name
- 2.624, Other Identifier
- 2.625, Comments
- 2.633, Other Email Addresses



DNA Availability Status Scenario

A DNA Availability Status check can be either a Search (two fingers) or Match (single finger) transaction. The operator will select 008 DNA Confirmation (FALCON ICD Table 4) in the 'Reason for fingerprinting' box.

NIST Type -1

NIST Type -2 data fields

- 2.001, Logical Record Length
- 2.002, Image Designation Character
- 2.037, Reason Fingerprinted
- 2.038, Date Printed
- 2.067, Image Capture Equipment
- 2.584, Vendor Name
- 2.589, Device ID
- 2.590, Operator SSN
- 2.594, Device ORI
- 2.595, Device Mnemonic
- 2.622, Watch List Owner
- 2.631, Contact User ID
- 2.059, Search Result Findings

DNA Availability Response – Fingerprint HIT/DNA Sample on File

If Field 2.059 (Table 5) contains an “I” and Field 2.608 (Table 5) contains a “Y” indicating that DNA is on file, the operator shall receive the response shown below.

Florida Department of Law Enforcement
DNA Sample Submission

**DNA SAMPLE ON FILE
NO ACTION REQUIRED**



DNA Availability Response – Fingerprint HIT/DNA Sample Not On File

If Field 2.059 (Table 5) contains an “I” and Field 2.608 (Table 5) contains an “N” indicating that DNA is NOT on file, the operator shall receive the response shown below. Additionally, the edge device will convert the Date of Birth response from YYYYMMDD to MMDDYYYY. The **bolded** fields indicate which fields are editable by the operator.

Florida Department of Law Enforcement DNA Sample Submission	
Last Name: Smith	Identification Status:Y
First Name: John	State:
Date of Birth:: 01011959	County:
Sex: M	Florida Statute:
Race: W	Offense:
SID #: FL12345678	Court Case #:
FBI #:AZ1234	Court Ordered Collection:
DOC #:	Probation Status:
SSN:	Date Collected:
PRINT BAR CODE LABEL: YES NO	

Availability Response – Fingerprint NO-HIT

If Field 2.059 (Table 5) contains an “N”, the edge device will present the operator with the following:

Florida Department of Law Enforcement DNA Sample Submission
NO FINGERPRINT MATCH DNA SAMPLE REQUIRED
CONTINUE



After pressing continue, the Sample Submission screen shown below will be presented. All mandatory **bolded** fields will need to be completed by the operator.

Florida Department of Law Enforcement DNA Sample Submission	
Last Name: First Name: Date of Birth: Sex: Race: SID #: FBI #: DOC #: SSN:	Identification Status: State: County: Florida Statute: Offense: Court Case #: Court Ordered Collection: Probation Status: Date Collected:
PRINT BAR CODE LABEL: YES NO	

The operator will press YES to print a 2D Bar code label. The DNA Sample form along with **fingerprint images**, (**Figure 2**) will be presented to the operator prior to being printed.

RISC SEARCH SUBMISSIONS

The edge device shall submit a well-formed packet to FALCON using the methods described in the most current version of the FALCON ICD. A well-formed NIST packet complies with the NIST Type-1 and Type-2 formats specified in this document. Additionally the packet will contain either NIST Type-4 or NIST Type-14 image fields.

Scanned fingerprint images shall be taken from the following fingers: right index (image 2), right middle (image 3), left index (image 7), or left middle (image 8) for Identity Search.

Edge devices must properly identify the image position number being captured in the Type-4 packets. The edge device shall provide the operator the ability to indicate which fingers should be captured. Simultaneous capture of flat impressions of two fingers is allowed. A simultaneously captured image can be sent as finger position 13 or 14, or the edge device can segment the fingers and submit them as two separate images as long as the position number 2, 3, 7, or 8 is included. The edge device will construct a properly formatted NIST packet containing the following data elements:

NIST Type -1

NIST Type -2 data fields

- 2.001, Logical Record Length
- 2.002, Image Designation Character
- 2.037, Reason Fingerprinted
(009 Domestic Security or 013 Road-Side Stop)
- 2.038, Date Printed
- 2.067, Image Capture Equipment
- 2.584, Vendor Name
- 2.589, Device ID
- 2.590, Operator SSN
- 2.594, Device ORI
- 2.595, Device Mnemonic
- 2.631, Contact User ID

NIST Type – 2 Optional

- 2.070, Request for Criminal History
- 2.567, Wants/Warrants
- 2.588, III Status Check
- 2.599, Criminal History Summary
- 2.610, SID Only request
- 2.620, III Criminal History (Full)

RISC SEARCH RESPONSES

The response to a Search submission will be a NIST record containing Type -1 and Type -2 data fields. The response for a Search submission will be either “RED”, indicating identified, “GREEN”, indicating not identified or “YELLOW”, indicating ambiguous or time out. Criminal History and Want/Warrant data will be included in the response if requested in the submission packet. Included in the response for an identification will be the Master FBI number, Master FBI name and database name containing the record. The response will also indicate if there is a discrepancy between the Master FBI number and the FALCON FBI number. The response will be a properly formatted NIST packet containing the following data elements

NIST Type -1

NIST Type -2 data fields

- 2.001, Logical Record Length
- 2.014, FBI Number
- 2.015, State Identification Number
- 2.016, SSN
- 2.017, Miscellaneous Number
- 2.018, Name
- 2.019, Aliases
- 2.020, POB



2.021, Citizenship
2.022, Date of Birth
2.024, Sex
2.025, Race
2.026, Scars, Marks, Tattoos
2.027, Height
2.029, Weight
2.031, Eye Color
2.032, Hair
2.033, NCIC Fingerprint Classification
2.039, Employer and Address
2.040, Occupation
2.041, Residence
2.059, Search Results
2.060, Status/Error Message
2.064, Candidate List
2.071, Action to be Taken
2.075, Electronic Rapsheet
2.553, Immigration Status
2.572, DOC #
2.573, DJJ #
2.575, AFIS Indicator
2.576, Reel
2.577, Frame
2.592, Warrant/FCIC/NCIC
2.593, III Data
2.598, FALCON ID
2.601, DNA Availability Status
2.621, National Rapsheet
2.634, RISC Search Results
2.635, RISC FBI Number
2.636, RISC Master Name
2.637, RISC Identification Flag