

**Mississippi Department of Public Safety
Criminal Information Center**

***MCHS Tenprint Scanning Station
Certification Test Procedures***

Version 5.02 R37

**updated
March 30, 2018**

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CHANGE LOG

<i>Date</i>	<i>Version</i>	<i>Change</i>
June 23, 2003	5.00	(New document)
January 31, 2014	5.02 R 25	Updated.
November 4, 2015	5.02 R 28	Updated.
October 13, 2016	5.02 R 29	Updated and expanded. Some tests moved. No change to tests other than some test data values.
November 5, 2016	5.02 R 30	Updated for clarification. For responses: added another type and added that fixed-width font is needed.
January 18, 2017	5.02 R 31	Added MCHS Tenprint and Palm Print Certification Test Messages document. Added detail to test steps in Test 4.3.
February 28, 2017	5.02 R 32	Added Verify Configuration steps and moved Response Test to Test 4.1. Added to ATN Block test: verify rollover to next block. Added Test 4.7 to assess scanner device and QA software, Added to Print card test: print on preprinted card stock; print stored or entered transactions, Added who performs test steps. Added other changes in test step structure and test transaction values (but what is tested is the same). Changed to 9 character MSCERTxxx ORIs.
March 31, 2017	5.02 R 33	Modified test data.
May 9, 2017	5.02 R 34	Corrected sequence of configuration verification steps. Added Vendor Set Up step. Added clarifications.
June 19, 2017	5.02 R 35	Revised instructions in tests where only required fields need to be entered. Revised instructions that require the same TCN in order to identify a particular transaction within a test so they are still unique.
June 30, 2017	5.02 R 36	Revised some steps within Test Procedures and revised some test data - but no overall change to tests. Updated Section 4.0.A to specify configuration for max number of days for POP3 mail. Updated Test 4.1 to address requirements to delete messages from scanning station POP3 mail file. Added Test 4.7.2 for card scans.
March 30, 2018	5.02 R 37	Included submission of Sample Transactions in General Tenprint Certification Process Requirements.

1.0 INTRODUCTION AND REFERENCES

All scanning stations connected to the Mississippi Criminal History System (MCHS) for the purpose of submitting tenprint transactions to MCHS and the FBI's NGI must be tested and certified by the Mississippi Department of Public Safety (MDPS) using the criteria contained in this document.

The objectives of the certification process are to verify that:

- Tenprint transactions can be entered on a scanning station and properly transmitted to MCHS
- The scanning station properly validates the content of each field
- Administrative messages and transaction responses are properly received and processed by a scanning station
- Transaction responses can be printed at the scanning station
- Transactions can be stored at the scanning station and resubmitted
- Tenprint cards can be printed on live scan printers
- Palm print records can be entered and included in a tenprint transaction (if vendor will be including palm prints in the transactions)
- Facial photo records can be entered and included in a tenprint transaction (future)
- SMT photo records can be entered and included in a tenprint transaction (future)

This document includes tests for the Type 1, 2, and 4 records in a tenprint transaction.

Tests for the Type 15 palm print records are covered in:

- MCHS Palm Print Submission Evaluation Process document.

The following references describe the requirements for the tenprint scanning stations:

- MCHS Tenprint Interface Control Document, version and release in effect at time of certification.
- MCHS Security Policy, version in effect at time of certification

The following reference contains information needed by the vendor and the certification test conductor:

- Tenprint Transaction Reject Notice and Warning Notice Error Messages, version and release in effect at time of certification.

CIC will use the following during certification:

- MCHS Tenprint Scanning Station - CIC Certification Reference Guide
- MCHS Tenprint and Palm Print Certification Test Messages

Prior to certification, the vendor will submit sample transactions as described in:

- Instructions for Sample Transactions to Submit to CIC for Pre-Certification Review

2.0 GENERAL TENPRINT CERTIFICATION PROCESS REQUIREMENTS

These general tenprint certification process requirements will be followed.

1. The software used in the certification tests must meet the interface requirements documented in the MCHS Tenprint Interface Control Document (ICD).
2. Vendors must contact the MDPS/CIC at (601) 933-2601 to arrange for certification.
 - Prior to scheduling certification, the vendor will submit sample transactions following the instructions in Instructions for Sample Transactions to Submit to CIC for Pre-Certification Review.
 - If the vendor is proposing multiple configurations, each configuration must be certified separately. If the vendor is proposing both live scans and card scans, each type of scanning station must be certified separately. If the vendor is proposing to support all types of agencies (refer to Tenprint ICD section 4.1), types of submission/TOTs required for each must be certified.
 - If the vendor is certifying for palm prints as well as tenprints, note that: (1) the palm print certification tests are in a separate document and (2) tenprint fingerprint quality tests (in this document) will also be conducted for palm print scanners.

It is possible to do multiple certifications during one certification session at the CIC.

3. Before scheduling a certification, the vendor must:
 - Submit a written description of the system(s) to be certified. This description must include, at a minimum, a schematic of the system (i.e., scanning stations including type, store and forward if applicable, peripherals, network connections to MDPS/CIC, network connections to other systems, IP scheme, etc.). (Refer to section 5.1 of the MCHS Tenprint ICD for a discussion of allowable configuration options with regard to connectivity to MCHS.)
 - Complete an MDPS/CIC form that specifies what the vendor is certifying for.
 - Submit sample transactions to MDPS/CIC. MDPS/CIC will provide instructions along with sample administrative messages (refer to Tenprint ICD section 4.3) for use when creating the sample transactions.
4. For the certification session:
 - The vendor must install and operate a test configuration including equipment and software in the MDPS/CIC test environment. The test configuration must include scanning stations, all biometric scanners, printer, and operating documentation, user manuals, or other materials that would normally accompany any subsequently purchased system. The test configuration must be either an exact replica of a system to be installed at a customer site or a typical/representative configuration.
 - Shortly before the scheduled certification date, MDPS/CIC will provide vendor with configuration information for the certification test environment (e.g., station id(s) and agency ORIs).
 - The MDPS/CIC test environment is located at 3891 Highway 468 West, Pearl, MS. All expenses for shipping, handling, installing, and testing the certification system will be borne by the vendor. Following certification, the vendor is responsible for de-installing and removing the certification system.
5. MDPS/CIC personnel will conduct the certification tests with the vendor's participation.
6. The Test Steps will be performed using the scanning station software and user interface that is part of the vendor product.
7. For certification, the vendor's software must allow a tester to enter the certification Transaction Control Number (TCN) as described in section 6 of the MCHS Tenprint ICD.
8. A test may be repeated at the discretion of the MDPS/CIC to verify correct operation.

9. MDPS/CIC may, at its discretion, perform additional tests for, or request demonstrations of, compliance with the requirements in the MCHS Tenprint ICD.
10. Usually any problems detected during certification will need to be corrected in order to obtain certification. However, the CIC will occasionally, at its discretion, allow the vendor to demonstrate that the problem is corrected during the installation of a scanning station at their first State site.
11. Subsequent to certification testing at MDPS/CIC, MDPS/CIC will notify vendors of certification. See MCHS Palm Print Submission Certification Test Procedures for additional information regarding Part 2 of palm print certification.
12. When each new station is installed at a local agency or MDPS/CIC, refer to the Installation Checklist in the MCHS Tenprint ICD and complete each step before submitting transactions.

The vendor must send a notice to the MDPS/CIC within 10 days of any installation at a customer site. The notice must provide a schematic of the installed system with an explanation detailing any changes from the configuration used by the vendor in the certification process. The MDPS/CIC will review the installed configuration. If there are any changes from the certified configuration, the customer site may not operate in a live mode until the MDPS/CIC approves the configuration. Refer to the complete installation checklist in section 5.2 of the MCHS Tenprint ICD.
13. To prevent transactions from being rejected, it is essential that the scanning station perform all of the validations listed in the ICD before sending them to MCHS. After installation of each scanning station, MDPS/CIC will monitor the transactions and will contact the vendor if problems are detected.

3.0 TEST PREPARATIONS

3.1 Obtain Information From and Give Information to Vendor to Prepare for Certification

In preparation for the tenprint certification tests:

- CIC will obtain information from the vendor when Tenprint Certification is scheduled. (CIC: Refer to CIC Ref Guide 3.1)
- CIC will give information to vendor prior to their arrival at CIC. (CIC: Refer to CIC Ref Guide 3.2-3.4)
- CIC will assign test conductor and prepare for certification prior to vendor's arrival at CIC. (CIC: Refer to CIC Ref Guide 4.0)

3.2 Set Configurations Day Prior to Vendor's Arrival for Certification Test

CIC: Verify that the configurations are properly set to begin Tenprint Certification tests. (CIC: Refer to CIC Ref Guide 5.1.1 and 5.1.2)

3.3 Review General Requirements for each Tenprint Certification Test Transaction

TC and vendor: Before vendor begins setting up for Tenprint Certification tests, review the following:

1. Vendor must successfully complete Configuration Verification A in order to do certification tests 4.1 and 4.2. Vendor must successfully complete Configuration Verification B in order to continue with certifications tests 4.3 through 4.10.
2. The CIC test conductor will indicate the individual who will capture fingerprints and enter the text data. It may be the vendor or CIC personnel.
3. The test transactions require a special TCN format as described in the Tenprint ICD section 6.0.
4. All three types of transactions - arrest (ARR), applicant (APP), and DOC Inmate Intake (DOC) are included in these tests. Which types are included in the tests depends on which Types of Submission the vendor is certifying for. However, Test 4.9 requires submission of APP transactions, with reason fingerprinted CRIMINAL INQUIRY - even if certification is not for Law Enforcement agencies.
5. In each test transaction, create the type of transaction indicated in the individual test.
 - 1.07 Print Agency ORI
For live scans - Hardcoded - always MSCERT004
For card scans - User-entered as indicated in the individual test transactions
 - 1.08 Arrest/Applicant/DOC Agency ORI
For ARRs - this field is generated from field 2.702, as indicated in the ICD
For APPs and DOCs - this field is user-entered as indicated in the ICD and values are as indicated in the individual test transactions
6. Use the Type 1 and Type 2 field values as specified in each test step. Always follow specific instructions for TCN and Name. As specified in each test, in the OACN, include abbreviation for vendor name, as assigned by Test Conductor, and the test number.
7. A combination of values in the test data and settings in MCHS configuration files are set up to ensure that test transactions are not stored in MCHS or FBI/IAFIS.
8. Fingerprint images must be included in the test transactions. The following is a summary of how the transactions in each test are processed:
In Tests 4.1 through 4.6, the images are not evaluated.
In Test 4.9, the transactions are accepted and are sent to the FBI. But the type of transaction (APP) and the reason fingerprinted indicate to MCHS and to the FBI that it is not to be stored.
9. Include all fingerprint images in each test unless the test specifically indicates otherwise.
10. Always reenter data and capture new fingerprint to submit a new transaction for each test and for

each subsequent transaction if more than one transaction is submitted in a test. Do not modify and resubmit an existing transaction.

11. Do tests in sequence and when directed by CIC test conductor.
12. CIC will review all submitted transactions. (CIC: Refer to CIC Ref Guide 7.0)
13. If multiple scanners are being certified, some tests might be repeated for each scanner.
14. If palm prints are being certified, the tests are found in a separate document – MCHS Palm Print Certification Test Procedures and Ongoing Evaluation Process.
15. In the test steps, CIC Test Conductor is abbreviated "TC".

4.0 CERTIFICATION TESTS - TENPRINTS - RECORD TYPES 1, 2, AND 4

4.0.A Vendor Sets Up Scanning Station for Tenprint Certification Tests

Vendor: When configuring the scanning station for certification testing, use the following values:

1. Station Id for tenprint certification testing - specified by CIC test conductor
2. Print Agency ORI (1.07) - specified by CIC test conductor (ICD appendix A.1)
3. Station IP address - specified by CIC test conductor
4. POP3S mail login - as specified in ICD appendices D and E; uses station id specified in item 1
5. POP3 maximum number of day messaged can remain in POP3 mail file - set to 2 (ICD appendix D.1)
6. SMTPS To email address for sending transactions to MCHS - as specified in ICD appendix C
7. SMTPS From email address (and possibly SMTPS login info if vendor software requires it) for sending transactions to MCHS - as specified in ICD appendix C; uses station id specified in item 1
8. SMTPS email structure - as specified in ICD appendix C
9. Version Number (1.02) - as specified in ICD appendix A.1
10. TCN special format for testing - as specified in ICD section 6; uses station id specified in item 1
11. Equipment Make and Model (2.067) exact text - assigned by CIC for use in certification test and in ALL subsequently installed scanning stations
12. Printer - same printer that is in proposed configuration that vendor provided to CIC

4.0.B Configuration Verification A - Verify POP3S Mail Connectivity and Printing at Scanning Station

MCHS Tenprint ICD References: Appendix D

1. Vendor: Check POP3S mail for test station being used for the certification and discard any existing mail.
2. TC: Use 'Send Certification Test Response' to send response 'Configuration Verification A' to the test scanning station.
3. Scanning station automatically retrieves message and prints response on scanning station printer.
4. TC: Compare the printed response with the response below. Note that station id is as assigned by CIC (see 4.0.A item 1)

```
From: "MCHS" <mchs@mscjis.mchs.state.ms.us>
To: "Local Test Live Scan 1" <station_id@mscjis.state.ms.us>
Subject: Configuration Verification A
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
```

Mississippi Criminal History System

*** TEST RESPONSE 0 ***

Receipt of this message verifies scanning station POP3S connectivity.

The printed message verifies printer connectivity on the scanning station.

If Configuration Verification A is not successful, certification testing cannot commence. Vendor must correct these problems before going on to Test 4.1.

4.1 Test 4.1 - Transaction Responses Tests – Mississippi and FBI Responses

Objective: Verify receipt and printing of the various responses generated by MCHS and the FBI's IAFIS.

All scanning stations must support printing. (Some agencies may choose to route their responses to an email account, but they must always have the option to switch to printing at the scanning station.)

All documents received by the station must be printed. If a document is not recognized as one of those listed in the ICD, the scanning station cannot discard it - a human must decide what to do with it.

MCHS Tenprint ICD references:

4.2 Transaction Response Messages

7.0 Identifying Messages Sent from MCHS

8.0 Print Responses from MCHS on Scanning Station Printer Requirements

D.1, 2, 4 Transaction Responses from MCHS to a Scanning Station

This test will verify that:

- All valid transaction responses are received and printed in their entirety.
- An unrecognized message is also processed and sent to the printer.

4.1.1 Test Tools

- MCHS Tenprint and Palm Print Certification Test Messages document

4.1.2 Test Steps

1. Vendor: Describe how/when scanning station will automatically delete messages from the scanning station's POP3S mail on the MCHS server. (Reference the last paragraph/first bullet of MCHS Tenprints ICD Appendix D.1.)
2. Vendor: Check POP3S mail for test station being used for the certification and discard any existing mail.
3. TC: Using 'Send Certification Test Responses to Test/Eval Stations', send one test Transaction Response at a time from the MCHS Server to the scanning station. Send only responses that are applicable to the type(s) of agency for which the scanning station is being certified. (CIC: Refer to CIC Ref Guide 6.1)

	Transaction Response	Type of Agency
1	Mississippi Search Response for ARR	Law Enforcement
2	Mississippi Search Response for APP	Civil Applicant Law Enforcement
3	Mississippi Search Response for DOC	Department of Corrections
4a 4b	Mississippi Prosecutor Disposition Form Mississippi Court Disposition Form	Law Enforcement
5	Mississippi Reject Notice for ARR	Law Enforcement
6	Mississippi Reject Notice for APP	Civil Applicant Law Enforcement
7	Mississippi Reject Notice for DOC	Department of Corrections (Live Scan Only)
8	FBI Search Response for ARR or DOC	Law Enforcement Department of Corrections
9	FBI Search Response for APP	Civil Applicant Law Enforcement
10	FBI Error Response for ARR or DOC	Law Enforcement Department of Corrections
11	FBI Error Response for APP	Civil Applicant Law Enforcement
12	Mississippi DNA Database Collection Form	Law Enforcement

	Transaction Response	Type of Agency
13	Record Under Review	All
14	An email with garbage (for this test, an attached NIST transaction	All
1-14	All of the above	CIC

4. Scanning station automatically prints response on scanning station printer without human intervention.
5. TC: For responses 1 through 13: Compare the printed response with the response in the MCHS Tenprint and Palm Print Certification Test Messages document. Verify that the content is complete.
6. TC: For response 14: Verify that the first 300 lines of the message are printed. The scanning station must be able to print any message other than those listed in Responses 1 through 13. (Reference the last paragraph of the MCHS Tenprints ICD appendix D.)
7. TC: Verify that the email From, To, and Subject lines are printed.
8. TC: Verify that the response is printed and displayed using a fixed-width font. Many of the responses do not format properly unless the scanning station uses a fixed-width font.
9. Repeat steps 3 through 8 for each response that is applicable to the type(s) of agency for which the scanning station is being certified.

4.2 Test 4.2 - Edit Table Download Message Test

Objective: Test the Edit Table Download Messages. The content of the message is used to build the lists of valid values for data entry and/or for the station software to verify that the data entered by the operator is valid. **Failure to properly process the Edit Table Download Messages that are sent by MCHS is one of the most common reasons that transactions are rejected by MCHS.**

This test must be executed even if edit tables were downloaded during the vendor's pre-test checkout in section 4.0*.

MCHS Tenprint ICD references:

- 4.3 Administrative Messages
- 7.0 Identifying Messages Sent from MCHS
- E.1 Edit Table Download Messages
- A.2 Field 7.705 Arrest Charge Set / Citation

This test will verify that:

- All edit tables are automatically and properly processed.

4.2.1 Test Tools

- Download Station Edit Tables capability
- MCHS Tenprint and Palm Print Certification Test Messages document

4.2.2 Test Steps

1. TC: Get the date from the ZZDoNotUse entry in the Hair Color table on MCHS.
2. TC: Using 'Download Station Edit Tables', send the Edit Table Message to the test station. (CIC: Refer to CIC Ref Guide 6.2)
3. TC with vendor assistance: Verify that the latest Edit Tables have been installed by checking the date in the ZZDoNotUse entry of the Hair Color table on the scanning station. (CIC: Refer to CIC Ref Guide 6.2)
4. TC with vendor assistance: On the scanning station, review each data entry screen for each type of submission. Compare the contents of each list of valid values on the scanning station with the Edit Table Download Message in the MCHS Tenprint and Palm Print Certification Test Messages document.

Type of Agency CIC: For the Statute field, a different Edit Table is used for Type of Agency CIC than for other Types of Agency. Compare the contents of the list of valid values on the scanning station with the proper edit table as follows:

Station Id	Edit Table
lstest<n> lctest<n>	Statute
cstest<n> cctest<n>	Statute CIC

4.2.A Configuration Verification B - Verify SMTPS Mail Connectivity and Email Structure

MCHS Tenprint ICD references: Appendix C

1. Vendor: Create and submit either an arrest transaction or a billable applicant transaction:
 - Use TCN CERT-<station_id>-<tot>-VERIFICATIONB
 - Last Name = 'Verification'
 - First Name = 'Tenor'
 - Enter any values in only required fields.
2. TC: Request a "Transaction Report" by specifying the "From Station/Operator Id" which is the test station id assigned to the station for certification testing.
 - a. Look for the transaction in the Prescreening Transaction Report. (CIC: Refer to CIC Ref Guide 7.1 and before 6.1) If the transaction is found this verifies scanning station connectivity.
 - b. If the transaction is in the Prescreening Transaction Report: If error message 203, 615, or 616 occurs: Make adjustments and submit a corrected transaction. Do not continue unless these errors are corrected. The values in the fields referenced in these error messages are used to validate the transactions. If they are missing or incorrect, you will probably get other error messages that are not actually relevant to the type of agency and type of scanning station being certified. These three errors need to be corrected before continuing. Ignore all other error messages.
3. TC and vendor: If the transaction is not found in the transaction report:
 - Check the station id in the SMTPS email from line. It must be that proper test station id for the current tests or it won't be found in the Prescreening Transaction Report for that station id.
 - If the transaction generated output on the SA printer, most likely the From email address is in error: Make adjustments and send a corrected transaction.
 - If the transaction is in the Damaged Transactions Log: Make adjustments and send a corrected transaction. (CIC: Refer to CIC Ref Guide 7.1 and before 6.1)

If any of Configuration Verification A or B or Tests 4.1 and 4.2 is not successful, certification testing cannot continue. Vendor must correct these problems before going on to Test 4.3.

4.3 Test 4.3 - Live Scan Arrest Tracking Number (ATN) Block Message Test

Objective: Ensure that a downloaded ATN Block automatically becomes active without user intervention and that the ATN check digit algorithm is properly implemented. This test applies only to live scans.

This test must be executed even if ATN Blocks were downloaded during the vendor's pre-test checkout in section 4.0*.

MCHS Tenprint ICD references:

- 7.0 Identifying Messages Sent from MCHS
- E.2 ATN Block Messages
- F ATN Check Digit Algorithm

This test will verify that:

- ATN Block messages are received and blocks are properly updated on the scanning station.
- The check digit on an ATN is properly calculated.

4.3.1 Test Tools

- Maintain or Download ATN Blocks capability
- MCHS Tenprint and Palm Print Certification Test Messages document

4.3.2 Test Steps

1. **TC: On MCHS, update the configuration for this test station to allow ARREST transactions.** (CIC: Refer to CIC Ref Guide 6.3)
2. **TC: Using 'Maintain or Download ATN Blocks', send the ATN Block Message to the test station.** (CIC: Refer to CIC Ref Guide 6.3)
3. Vendor: Create a new arrest transaction as follows:
 1. Create an ARR transaction.
 2. Use TCN to CERT-<station_id>-ATNBlockTest1
 3. Enter '<vendor name> Test 4-3' in Originating Agency Case Number (OACN).
 4. Enter Type 1 and Type 2 data in required fields as specified below:

2.018 Name	--
Last Name (0)	ATN
First Name (0)	Block
2.020 Place of Birth	US
2.022 Date of Birth (0)	19700101
2.024 Sex/Gender	Female
2.025 Race	Amerind
2.027 Height	510
2.028 Weight	200
2.031 Eye Color	Blue
2.032 Hair Color	Black
2.035 Palm Prints Available	No
2.036 Photo Available	Yes
2.045 Date of Arrest	20170201
2.702 Arrest Agency ORI	MSCERTAR2
2.704 Arrest Type	Adult
2.705 Arrest Charge Set	--
Citation (0)	49-7-83
Severity (0)	Misdemeanor
# Counts (0)	1

Date of Offense (0)	20170101
Action (0)	Arrest Charge

5. Capture ten rolled fingerprints and four plain impressions.
4. Allow 3-5 minutes for the transaction to be processed by Prescreening.
5. TC: Look at the Prescreening Transaction Report to verify the ATN value. (CIC: Refer to CIC Ref Guide 7.1)
 - Look for error message 591 for field ATN. If this appears, the ATN field is missing in the Type 2 record.
 - Look for error message 609. If this appears, then there is an error in the check digit algorithm. (A sample implementation of the algorithm is provided in the ICD.)
 - Use the hyperlink to check the first 9 digits of the ATN. Verify that the number is from the first of the two blocks in the ATN Message that was downloaded by comparing with the contents of the ATN Block Message in the MCHS Tenprint and Palm Print Certification Test Messages document.
 - If the hyperlink says "NIST.FormatException", look for error 204 and have the vendor fix those errors.
 - TC and vendor: If you do NOT see the transaction in the Prescreening Transaction Report or you do not see the ATN field in the hyperlink:
 - If the transaction is in the Damaged Transactions Log (may be 3-5 minute delay) or on the SA printer: Before going on to Test 4.4, make adjustments and go to step 5 to submit a corrected transaction.
 - If the transaction is in the Prescreening Transaction Report: If error messages 203, 211, or 710 regarding email subject line and email from line or 204 error message with Field "Transaction File" occur, before going on to test 4.4, make adjustments and continue with step 5 to submit a corrected transaction. Ignore all other error messages.
6. Vendor: If the transaction needs to be resubmitted:
 - Use the same TCN but add a LETTER after the last digit.
 - Use the same name.
 - Use the same OACN '<vendor name> Test 4-3'.
7. Vendor and TC: If there was a problem with retrieving and installing the ATN Blocks, repeat steps 2 through 5. Otherwise, repeat steps 3 through 5 as needed.
8. Vendor: Enter three more Arrest transactions:
 - Use TCNs:
 - CERT-<station_id>-ATNBlockTest2
 - CERT-<station_id>-ATNBlockTest3
 - CERT-<station_id>-ATNBlockTest4
 - Enter Type 1 and 2 data specified in the table in step 2 above. Use the same name.
 - Enter '<vendor name> Test 4-3' in Originating Agency Case Number (OACN).
 - Capture ten rolled fingerprints and four plain impressions.
9. TC: Look at the Prescreening Transaction Report at the last arrest transaction entered.
 - Check first 9 digits of the ATN. Verify the 9 digits are in the "next_lower" to "next_upper" range. (CIC: Refer to CIC Ref Guide 5.1.2 #6)

4.4 Test 4.4 - Tenprint Transaction Test – Record Format and Field Content

Objective: Verify the format of tenprint transactions with Type 1, 2 and 4 records and the content of hardcoded and generated fields. Optionally, this test is also used to do an initial assessment of fingerprint quality using the tenprint (or palm print) scanner.

MCHS Tenprint ICD references:

- 4.1 Tenprint Transactions - Types of Agencies and Types of Submissions
- A.1, 2, 3 Content of each Record Type in a Transaction – Type 1, 2, and 4 Records
- B ANSI/NIST Fingerprint Transmission Format
- C Transactions from a Scanning Station to MCHS

This test will verify that:

- Each transaction is successfully submitted to the MCHS Prescreening process.
- Prescreening does not detect any format or content errors (other than those indicated to ignore).
- The transaction is compliant with the ANSI/NIST format as specified by the ICD.
- All data entered at the scanning station is included in the transaction.

4.4.1 Test Tools

- Checklist of test transactions applicable to this certification (CIC Ref Guide 4.0 item 2)
- For card scans, tenprint cards

4.4.2 Test Steps

Follow the steps in this test for each of the test transactions listed in the table below that is applicable to the type(s) of agencies for which the scanning station is being certified. Enter the transactions in the order that they are listed.

Enter one test transaction at a time. The test conductor will indicate when the next test transaction can be entered. Errors in a test transaction must be corrected before another test transaction can be entered.

The values to be entered for each of these test transactions are found in appendix B.

Appendix B	Test Transaction TCN	Type of Agency
B.1.1	CERT-<station_id>-LE-Arrest1	Law Enforcement
B.1.2	CERT-<station_id>-LE-Arrest2	Law Enforcement
B.1.3	CERT-<station_id>-LE-LEApp1	Law Enforcement
B.1.4	CERT-<station_id>-LE-CIO1	Law Enforcement
B.1.5	CERT-<station_id>-LE-APPforSOR1	Law Enforcement
B.1.6	CERT-<station_id>-LE-Arrest3	Law Enforcement
B.4.1	CERT-<station_id>-CIC-Instate1	Law Enforcement
B.2.1	CERT-<station_id>-CA-BillableApp1	Civil Applicant
B.2.2	CERT-<station_id>-CA-NoChargeApp1 - see note in step 2	Civil Applicant
B.2.3	CERT-<station_id>-CA-BillableApp2	Civil Applicant
B.3.1	CERT-<station_id>-DOC-Intake1	Department of Corrections (Live Scan Only)
B.3.2	CERT-<station_id>-DOC-LEApp1	Department of Corrections (Live Scan Only)
B.3.3	CERT-<station_id>-DOC-Intake2	Department of Corrections (Live Scan Only)
	All of the above	CIC

A transaction will pass certification requirements when the only errors in the reject notice are those listed in step 6.

Follow the steps below for each of the test transactions listed in the table above:

1. TC: Before entering the Type 1 and Type 2 data for each transaction after the first one, verify that the

data entry fields on the scanning station's data entry screen are either empty or contain the pre-set default. Ensure that none of the data from the previous transaction still appears on the data entry screen.

2. Vendor with TC observing: Create the next new test transaction from the table above:
 - Use the TCN indicated in the table.
 - Enter the Type 1 and 2 data specified in appendix B.
 - Enter text in mixed case as indicated.
 - Note regarding Employment and Residence addresses: The test data may indicate "empty" fields between two populated fields - e.g. Address1 and Address 3 populated, but not Address 2. The purpose of the test data is to ensure that invalid separator situations do not occur. If scanning station software does not allow empty address lines, this is OK. Vendor must demonstrate this to the test conductor.
 - In ARR and APP transactions, enter '<vendor name> Test 4-4' in Originating Agency Case Number (OACN).
 - Capture ten rolled fingerprints and four plain impressions.
 - Note regarding CA-NoChargeApp1: Scanning station software may only allow a No Charge Resubmit transaction to be submitted by using the originally submitted Billable APP and may automatically populate the Transaction Control Reference Number field 1.10. If so, rather than using the data specified in appendix B.2.2, vendor must demonstrate how this is accomplished. Since there will not be an FBI ERRT, vendor may not be able to submit the No Charge Resubmit transaction.
3. Vendor: Submit the transaction.
4. Allow 3-5 minutes for the transaction to be processed by Prescreening. (CIC: Refer to CIC Ref Guide 6.4)
5. TC and vendor: If you do NOT see the transaction in the Prescreening Transaction Report or you do not see the transaction in the hyperlink:
 - If the transaction is in the Damaged Transactions Log (may be 3-5 minute delay) or on the SA printer: Before going on to step 6, make adjustments and continue to step 5 to submit a corrected transaction.
 - If the transaction is in the Prescreening Transaction Report: If error messages 203, 211, or 710 regarding email subject line and email from line, or 204 error message with Field "Transaction File" occur, before going on to step 6, make adjustments and jump down to step 8 to submit a corrected transaction. Ignore all other error messages.
6. Vendor: Review the Reject Notice. Use the Tenprint Transaction Reject Notice and Warning Notice Error Messages document and the ICD to assist in determining the cause of an error. **Do not submit a corrected transaction. Coordinate with the TC before submitting another transaction.**
IGNORE the following error messages. They are either intentional or they are the subject of subsequent tests.
 - 105 through 109, 120
 - 222
 - 302
 - 517, 519 through 521, 530 through 532, 545 through 552, 558
 - 562, 563 if no charge billable applicant resubmit transaction
 - 705
 - 706 if from a card scan and Print Agency value specified in appendix B is MSCERT003
 - 801, 902

7. TC: While the vendor is reviewing the reject notice, review the Prescreening Transaction Report. (CIC: Refer to CIC Ref Guide 7.1)
 - a. Look at all error messages other than the messages listed in step 6. IGNORE the messages listed in step 6. They are either intentional or they are the subject of subsequent tests.
 - If there are error messages 204 or 205, have the vendor correct these first and to jump down to step 8 to submit a corrected transaction.
 - If there are no error messages 204 and 205, look at the other messages.
 - b. Use the hyperlink to verify the following: (If the hyperlink says "NIST.FormatException", look for error 204.- see step a above.)
 - Type 1 field 1.03 Transaction Content: Beginning with the second occurrence of the Contents field, verify there are entries for the correct number of each type of record.
 - Presence of the Type 2 and Type 4 records: Verify that the transaction includes each of the expected Type 2 record, and 14 Type 4 records. There must be one Type 4 for each finger plus four more records for the plain impressions.
 - Type 1 Fields: Verify the data content of each field.
 - Verify that the content of the following fields:
 - 1.02 Version Number – '0502'
 - 1.04 Type of Transaction – as indicated in appendix B
 - 1.05 Transaction Date – certification transactions will have today's date
 - 1.09 Transaction Control Number (TCN) – as indicated in appendix B
 - 1.10 Transaction Control Ref No (TRN) – populated only in Applicant No Charge Resubmit transaction in appendix B.2.2.
 - 1.11 Native Scanning Resolution – '19.69'
 - 1.12 Nominal Transmitting Resolution – '19.69'
 - Verify the content of the following fields:
 - For all TOTs: 1.07 Print Agency ORI
 - Live scan: Value designated by CIC for certification scanning station
 - Card scan: Value indicated in test transaction
 - For ARRs: 1.08 Arrest Agency ORI
 - Same as value for 2.702 Arrest Agency ORI indicated in test transaction
 - For APPs: 1.08 Applicant Agency ORI
 - Value indicated in test transaction
 - For DOCs: 1.08 DOC Agency ORI
 - Live scan: Value indicated in test transaction
 - For the NoChargeApp1 transaction in appendix B.2.2, field 1.10 Transaction Control Ref No. is populated as indicated in the test transaction in appendix B.
 - Type 2 Fields: Verify the data content of each field.
 - Verify that the content of each field is as specified in appendix B.
 - If appendix B does not indicate that a field is to be populated, verify that there is no data in that field. (E.g., was carried over from the previous transaction.)
 - Note regarding Employment and Residence addresses: The test data may indicate "empty" fields between two populated fields - e.g. Address1 and Address 3 populated, but not Address 2. The purpose of the test data is to ensure that invalid separator situations do not occur. If scanning station software does not allow empty address lines, this is OK. Vendor must demonstrate this to the test conductor.
 - If the transaction is an ARR from a live scan, verify that there are no duplicate ATNs.

Uncorrectable error message 528 will flag a duplicate (reused) ATN situation unless Prescreening has been restarted. Therefore, to ensure the live scan isn't reusing ATNs, also check for duplicate ATNs - either by looking at all ATNs in the Prescreening Transaction Report.

8. Vendor with TC observing: Create and submit another of the same test transaction if requested by test conductor:

- Use the same TCN but add a LETTER after the last digit.
- Change the first name by adding 'Two', 'Three', etc after the name in appendix B.
- Use the same OACN '<vendor name> Test 4.4'.
- Capture ten rolled fingerprints and four plain impressions.

A certification test transaction will pass certification requirements when the only errors in the reject notice are those listed in step 6.

4.5 Test 4.5 - Tenprint Data Entry and Scanning Station Validation Tests

Objective: Verify the field validations of user-entered fields in Type 1 and Type 2 records. In this test, the test conductor enters invalid data to ensure that the scanning station catches the errors before the transaction is sent to MCHS.

MCHS Tenprint ICD references:

4.1 Tenprint Transactions - Types of Agencies and Types of Submissions

A.1, 2 Content of each Record Type in a Transaction - Type 1 and 2 Records

This test will verify that:

- Fields (both required and optional) on a data entry screen meet format and content validation requirements.
- Attempts to enter values that do not meet the requirements are caught at the time of data entry by the scanning station software and cannot be submitted in a transaction.
- Data entry is easy and efficient.

4.5.1 Test Tools

- Certification Data Entry Checklists for type(s) of agency and types of submissions applicable to this certification (Refer to CIC Ref Guide 4.0 item 3 and Appendix B)

4.5.2 Test Steps

Follow the steps in this test for each type of agency and type of agency/type of submission listed below that is applicable to the type(s) of agencies for which the scanning station is being certified. (CIC: Refer to CIC Ref Guide 6.5)

Type of Agency	Type of Submission
Law Enforcement	Arrest
Law Enforcement	Law Enforcement Applicant
Law Enforcement	Criminal Inquiry
Law Enforcement	APP for SOR
Civil Applicant	Billable Applicant
Civil Applicant	No Charge Applicant Resubmit
Department of Corrections	Inmate Intake
Department of Corrections	Law Enforcement Applicant
CIC	All of the above
CIC	Instate Inquiry

1. TC: Verify data entry validations for each field. Use the checklists to verify the following data entry requirements. (Refer to CIC Ref Guide Appendix B) Check the following three things to check for each field.

If it is necessary to try to submit a transaction to verify these validations, use TCN CERT-
<station_id>-<tot>-Validation.

a. Field Names:

- Verify that only fields that are applicable to the type of submission appear on the screen.
- For card scans, verify that the fields are in the same sequence they are on an arrest or applicant card.

b. Field length and characters/value:

Each field either has requirements to use an edit table from the Edit Table Download message or has requirements for a combination of min/max length and valid characters.

- 1) Fields whose values are defined by the tables in the Edit Table Download message: verify

only those values can be successfully entered. (The scanning station may use pick lists or another selection mechanism.)

- Verify that the operator cannot enter a value that is not on the picklist (e.g., overriding by using the Escape key). **Allowing an operator to override a value without subsequent validation at the scanning station is one of the most common reasons that transactions are rejected by MCHS.**
- 2) All other fields: verify the min/max length and valid characters:
- Length:
 - Verify that the maximum length of each field by counting the number of characters can be entered.
 - For fields with a minimum length, verify that a value below the minimum length will not be accepted by the scanning station.
 - Characters/Value:
 - Verify that valid characters can be entered.
 - Verify that invalid characters cannot be entered.
- c. Occurrences:
- Verify that the maximum number of occurrences can be entered for each field. (Verify either visually or by entering multiple occurrences.)
2. TC: Verify required fields. Verify that data entry is not considered completed and transmission of a transaction is not allowed if required fields are missing.
- a. ARR transaction:
- TC: Create an ARR transaction.
 - Use TCN CERT-<station_id>-<tot>-Required
 - Try to omit each required field:
 - APP and ARR: Name, Place of Birth, Date of Birth, Sex, Race, Height, Weight, Eye Color, Hair Color, Palmprints Available, Photo Available
 - APP: Reason Fingerprinted, Applicant Agency ORI
 - ARR: Date of Arrest, Arrest Type, Arrest Charge Set, Arrest Agency ORI
 - If the test is for a card scan: Print Agency ORI, Date Printed
 - Enter '<vendor name> Test 4-5' in Originating Agency Case Number (OACN).
 - Capture ten rolled fingerprints and four plain impressions.
 - If the transaction is submitted:
 - Allow 3-5 minutes for the transaction to be processed by Prescreening.
 - Vendor: Review the Reject Notice. Look for error messages for errors related to missing required fields. For example: error messages 516 and 591. Ignore other error messages.
 - TC: Review the Prescreening Transaction Report. (CIC: Refer to CIC Ref Guide 7.1)
 - Look for error messages related to missing required fields. For example error messages 516 and 591. Ignore other error messages.
 - TC: Repeat this process as needed.
- b. APP transaction: Repeat step 2a for an APP transaction.
- c. DOC transaction: Repeat step 2a for a DOC transaction.
3. TC: Verify that values are not truncated when a transaction is submitted.
- a. ARR transaction:

- TC: Create an ARR transaction.
 - Use TCN CERT-<station_id>-<tot>-Truncation
 - Enter the maximum length value in each field (for fields that use a list of valid values, choose the longest in the list).
 - Enter '<vendor name> Test 4-5' in Originating Agency Case Number (OACN).
 - Capture ten rolled fingerprints and four plain impressions.
- TC: Submit the transaction and:
 - Allow 3-5 minutes for the transaction to be processed by Prescreening .
 - Vendor: Review the Reject Notice. Look for error messages for errors related to missing required fields. For example: error messages 593 and 594. Ignore other error messages.
 - TC: Review the Prescreening Transaction Report. (CIC: Refer to CIC Ref Guide 7.1).
 - Look for error messages related to field length. For example: error messages 593 and 594. Ignore other error messages.
 - Use the hyperlink to verify that no values were truncated.
- TC: Repeat this process as needed.
- b. APP transaction: Repeat step 3a for an APP transaction.
- c. DOC transaction: Repeat step 3a for a DOC transaction.

4.6 Test 4.6 - Tenprint Transactions Tests – XX and UP Annotation in Field 2.084

Objective: Verify the use of the Amputated or Bandaged field.

"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 the AFIS which finger positions need to be 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 the AFIS matcher should ignore this image and not include the image in the matching process."

Therefore:

- If a finger is partially amputated and a partial fingerprint (distal) impression can be captured: Capture the impression and also set the annotation 2.084 Amputated or Bandaged Code to 'XX' to indicate a partial amputation.
- If a finger (distal) cannot be captured: Supply only the annotation by setting 2.084 Amputated and Bandaged to 'UP' to indicate that a fingerprint impression cannot be captured (is unprintable).

	Amp/Band Code 2.084 in Type 2 record	Type 4 record with finger image
Finger tip is amputated (part of distal above 1st joint is present)	XX	image
Entire distal above 1st joint is amputated	UP	no record
Distal is unprintable for any other reason (e.g., bandaged)	UP	no record

MCHS Tenprint ICD references:

A.2.3 Content of each Record Type in a Transaction – Type 2, and 4 Records

A.6 Annotations for Fingerprint in Field 2.084 and for Palm Prints in Field 15.018

This test will verify that:

- No format or content errors are detected by Prescreening.
- The record is compliant with the FBI EBTS requirements for the use of the Amputated or Bandaged field (as described above).

4.6.1 Test Tools

- For card scans, tenprint cards with each of the finger position combinations described in the tests.

4.6.2 Test Steps

Use either an arrest or an applicant transaction in each of the tests. It is not necessary to do this test for more than one type of transaction.

Test 4.6.2-1 - Designate finger image with partial distal amputation

** Row 1 in table above. **

1. Vendor with TC observing: Create a new test transaction:

- Use TCN to CERT-`<station_id>`-Ann1
- Use name Bennet, Jane.
- Enter any values in only required fields:
 - APP and ARR: Place of Birth, Date of Birth, Sex, Race, Height, Weight, Eye Color, Hair Color, Palmprints Available, Photo Available
 - APP: Reason Fingerprinted, Applicant Agency ORI

- ARR: Date of Arrest, Arrest Type, Arrest Charge Set, Arrest Agency ORI
 - If the test is for a card scan, enter any valid value in required fields: Print Agency ORI, Date Printed
- Enter '<vendor name> Test 4-6-2-1' in Originating Agency Case Number (OACN).
- Capture:
 - Ten rolled fingerprints and four plain impressions
 - AND specify Amputated or Bandaged Code 'XX' for one finger.
- 2. Vendor with TC observing: Submit the transaction.
- 3. Allow 3-5 minutes for the transaction to be processed by Prescreening.
- 4. Vendor: Review the Reject Notice. Look for error messages related to images and/or amputated or bandaged code. There should not be any. For example: error messages 517, 519 through 521, 531, 545 through 552, 558, 225 and 651 through 655.
- 5. TC: Review the Prescreening Transaction Report: (CIC: Refer to CIC Ref Guide 7.1).
 - Look for error messages related to images and/or amputated or bandaged code. There should not be any. For example: error messages 517, 519 through 521, 531, 545 through 552, 558, 225 and 651 through 655.
 - Use the hyperlink to verify that, for the designated finger, both the Type 4 image field and the Type 2 Amputated or Bandaged field 2.084 are populated.
- 6. Vendor with TC observing: Create and submit another of the same test transaction if requested by test conductor:
 - Use the same TCN but add a LETTER after the last digit.
 - Change the first name by adding 'Two', 'Three', etc after the name specified in step 1.
 - Use the same OACN '<vendor name> Test 4-6-2-1'.
 - Capture/annotate fingerprints as specified in step 1.

Test 4.6.2-2 - Designate finger image unavailable due to total distal amputation or total lack of friction ridge detail

** Rows 2 and 3 in table above. **

1. Vendor with TC observing: Create a new test transaction:
 - Use TCN to CERT-<station_id>-Ann2
 - Use name Bennet, Lizzy.
 - Enter any values in only required fields:
 - APP and ARR: Place of Birth, Date of Birth, Sex, Race, Height, Weight, Eye Color, Hair Color, Palmprints Available, Photo Available
 - APP: Reason Fingerprinted, Applicant Agency ORI
 - ARR: Date of Arrest, Arrest Type, Arrest Charge Set, Arrest Agency ORI
 - If the test is for a card scan, enter any valid value in required fields: Print Agency ORI, Date Printed
 - Enter '<vendor name>Test 4-6-2-2' in Originating Agency Case Number (OACN).
 - Capture:
 - Nine rolled fingerprints and four plain impressions
 - AND specify Amputated or Bandaged Code 'UP' for the missing finger.
2. Vendor with TC observing: Submit the transaction.
3. Allow 3-5 minutes for the transaction to be processed by Prescreening.
4. Vendor: Review the Reject Notice. Look for error messages related to images and/or amputated or

bandaged code. There should not be any. For example: error messages 517, 519 through 521, 531, 545 through 552, 558, 225 and 651 through 655.

5. TC: Review the Prescreening Transaction Report. (CIC: Refer to CIC Ref Guide 7.1)
 - Look for error messages related to images and/or amputated or bandaged code. There should not be any. For example: error messages 517, 519 through 521, 531, 545 through 552, 558, 225 and 651 through 655.
 - Use the hyperlink to verify that the proper nine Type 4 image fields and the Type 4 Amputated or Bandaged field 2.084) populated for the designated finger.
6. Vendor with TC observing: Create and submit another of the same test transaction if requested by test conductor:
 - Use the same TCN but add a LETTER after the last digit.
 - Change the first name by adding 'Two', 'Three', etc after the name specified in step 1.
 - Use the same OACN '<vendor name> Test 4-6-2-2'.
 - Capture/annotate fingerprints as specified in step 1.

Test Group 4.6.2-3 Try Improper Values in 2.084 Amp/Band Code

There are three tests in this group.

Test 4.6.2-3-1 - Improper Combination: No finger image and Amp/Band Code 'XX'

1. Vendor with TC observing: Create a new test transaction:
 - Use TCN to CERT-<station_id>-Ann3
 - Use name Bennet, Mary.
 - Enter any values in only required fields:
 - APP and ARR: Place of Birth, Date of Birth, Sex, Race, Height, Weight, Eye Color, Hair Color, Palmprints Available, Photo Available
 - APP: Reason Fingerprinted, Applicant Agency ORI
 - ARR: Date of Arrest, Arrest Type, Arrest Charge Set, Arrest Agency ORI
 - If the test is for a card scan, enter any valid value in required fields: Print Agency ORI, Date Printed
 - Enter '<vendor name>Test 4-6-2-3-1' in Originating Agency Case Number (OACN).
 - Try to capture:
 - Nine rolled fingerprints
 - AND specify Amputated or Bandaged Code 'XX' for the missing finger.
2. Vendor with TC observing: Try to submit the transaction. This combination of finger impressions and amputated or bandaged code should NOT be allowed by the scanning station.
3. If the transaction is submitted:
 - Allow 3-5 minutes for the transaction to be processed by Prescreening.
 - Vendor: Review the Reject Notice. Look for error messages related to images and/or amputated or bandaged code, including error messages 558.
 - TC: Review the Prescreening Transaction Report. (CIC: Refer to CIC Ref Guide 7.1)
 - Look for error messages related to images and/or amputated or bandaged code, including error messages 558.
 - Use the hyperlink to view the invalid combination.
4. Vendor with TC observing: Create and submit another of the same test transaction if requested by test conductor:

- Use the same TCN but add a LETTER after the last digit.
 - Change the first name by adding 'Two', 'Three', etc after the name specified in step 1.
 - Use the same OACN '<vendor name> Test 4-6-2-3-1'.
6. Capture/annotate fingerprints as specified in step 1.

Test 4.6.2-3-2 - Improper Combination: Finger image and Amp/Band Code 'UP'

1. Vendor with TC observing: Create a new test transaction:
 - Use TCN CERT-<station_id>-Ann4.
 - Use name Bennet, Kitty.
 - Enter any values in only required fields:
 - APP and ARR: Place of Birth, Date of Birth, Sex, Race, Height, Weight, Eye Color, Hair Color, Palmprints Available, Photo Available
 - APP: Reason Fingerprinted, Applicant Agency ORI
 - ARR: Date of Arrest, Arrest Type, Arrest Charge Set, Arrest Agency ORI
 - If the test is for a card scan, enter any valid value in required fields: Print Agency ORI, Date Printed
 - Enter '<vendor name>Test 4-6-2-3-2' in Originating Agency Case Number (OACN).
 - Try to capture:
 - Ten rolled fingerprints
 - AND specify Amputated or Bandaged Code 'UP' for one finger.
2. Vendor with TC observing: Try to submit the transaction. This combination of finger impressions and amputated or bandaged code should NOT be allowed by the scanning station.
3. If the transaction is submitted:
 - Allow 3-5 minutes for the transaction to be processed by Prescreening.
 - Vendor: Review the Reject Notice. Look for error messages related to images and/or amputated or bandaged code, including error message [519](#).
 - TC: Review the Prescreening Transaction Report. (CIC: Refer to CIC Ref Guide 7.1)
 - Look for error messages related to images and/or amputated or bandaged code, including error messages [519](#).
 - Use the hyperlink to view transaction:
 - The transaction will be valid if the scanning station uses only the latest information for a finger position by overriding previously entered information E.g., a finger impression is captured, and then the 2.084 Amputated or Bandaged Code is set to 'UP' so the finger impression is removed.
 - Otherwise, it is invalid.
4. Vendor with TC observing: Create and submit another of the same test transaction if requested by test conductor:
 - Use the same TCN but add a LETTER after the last digit.
 - Change the first name by adding 'Two', 'Three', etc after the name specified in step 1.
 - Use the same OACN '<vendor name> Test 4-6-2-3-2'.
 - Capture/annotate fingerprints as specified in step 1.

Test 4.6.2-3-3 - Improper Combination: No finger image and no Amp/Band Code

1. Vendor with TC observing: Create a new test transaction:
 - Use TCN to CERT-<station_id>-Ann5

- Use name Bennet, Lydia.
 - Enter any values in only required fields:
 - APP and ARR: Place of Birth, Date of Birth, Sex, Race, Height, Weight, Eye Color, Hair Color, Palmprints Available, Photo Available
 - APP: Reason Fingerprinted, Applicant Agency ORI
 - ARR: Date of Arrest, Arrest Type, Arrest Charge Set, Arrest Agency ORI
 - If the test is for a card scan, enter any valid value in required fields: Print Agency ORI, Date Printed
 - Enter '<vendor name>Test 4-6-2-3-3' in Originating Agency Case Number (OACN).
 - Try to capture:
 - Nine rolled fingerprints
 - AND do not capture an impression for one finger
 - AND do not enter Amputated or Bandaged information for the missing finger.
2. Vendor with TC observing: Try to submit the transaction. This combination of finger impressions and amputated or bandaged code should NOT be allowed by the scanning station.
 3. If the transaction is submitted:
 - Allow 3-5 minutes for the transaction to be processed by Prescreening.
 - Vendor: Review the Reject Notice. Look for error messages related to images and/or amputated or bandaged code, including error message 520.
 - TC: Review the Prescreening Transaction Report. (CIC: Refer to CIC Ref Guide 7.1)
 - Look for error messages related to images and/or amputated or bandaged code, including error message 520.
 - Use the hyperlink to view the invalid combination.
 4. Vendor with TC observing: Create and submit another of the same test transaction if requested by test conductor:
 - Use the same TCN but add a LETTER after the last digit.
 - Change the first name by adding 'Two', 'Three', etc after the name specified in step 1.
 - Use the same OACN '<vendor name> Test 4-6-2-3-3'.
 - Capture/annotate fingerprints as specified in step 1.

4.7 Test 4.7 - Fingerprint Capture Test #1

4.7.1 Test 4.7.A - Fingerprint Capture Test #1 - Live Scan

Objective: Verify ability to accurately and efficiently capture quality fingerprints

This test will verify that:

- Fingerprint scanner is easy for operator to use.
- QA software is operator-friendly.
- Quality of the fingerprint images are sufficient for MCHS AFIS and for the FBI IAFIS (based on QA results and a visual check).

This test does NOT submit transactions to MCHS.

4.7.1.1 Test Tools

- Multiple CIC personnel whose fingerprints will be captured (but not submitted to MCHS)

4.7.1.2 Test Steps

Do the following numerous times with different individuals in the role of operator and different individuals in the role of person whose fingerprints are captured.

1. Various people under direction of TC: Create either ARR or APP transactions entering only required fields.
 - Use TCN to CERT-<station_id>-Scanner
 - Required fields:
 - APP and ARR: Place of Birth, Date of Birth, SSN, Race, Height, Weight, Eye Color, Hair Color, Palmprints Available, Photo Available
 - APP: Reason Fingerprinted, Applicant Agency ORI
 - ARR: Date of Arrest, Arrest Type, Arrest Charge Set, Arrest Agency ORI
 - Capture rolled fingerprints and plain impressions.
2. TC: Assess:
 - Usability of the scanner device
 - Behavior of the QA software
 - Quality of the prints.
3. Do not submit the transaction.

4.7.2 Test 4.7.B - Fingerprint Capture Test #1 - Card Scan

Objective: Verify ability to accurately and efficiently capture quality fingerprints

This test will verify that:

- QA software is operator-friendly.
- Quality of the fingerprint images are sufficient for MCHS AFIS and for the FBI IAFIS (based on QA results and a visual check).

This test does NOT submit transactions to MCHS.

4.7.2.1 Test Tools

- Tenprint cards with numerous people's fingerprints

4.7.2.3 Test Steps

Do the following numerous times with fingerprint cards for multiple people.

1. TC: Create either ARR or APP transactions entering only required fields.
 - Use TCN to CERT-<station_id>-Scanner
 - Required fields:
 - APP and ARR: Place of Birth, Date of Birth, SSN, Race, Height, Weight, Eye Color, Hair Color, Palmprints Available, Photo Available, Print Agency ORI, Date Printed
 - APP: Reason Fingerprinted, Applicant Agency ORI
 - ARR: Date of Arrest, Arrest Type, Arrest Charge Set, Arrest Agency ORI
 - Scan card.
2. TC: Assess:
 - Behavior of the QA software
 - Quality of the prints
3. Do not submit the transaction.

4.8 Test 4.8 - Fingerprint Capture Test #2

Objective: Continue assessment of accurate fingerprint capture.

MCHS Tenprint ICD references:

A.2 Content of each Record Type in a Transaction – Type 4 Record

This test will verify that:

- No errors are detected in the Type 4 fingerprint image records.
- The compression ratio of the images is within a reasonable range of the FBI's target 15:1 ratio.

4.8.1 Test Tools

- For card scans, tenprint cards with each of the finger position combinations described in the tests.

4.8.2 Test Steps

1. Finger Position Combinations - Check previously submitted test transactions

TC: Check previously entered transactions for the following error messages:

- Error messages 517, 521, 531, 545 through 552

2. Finger Position Combinations - New test transactions

Create new transactions as specified in a through g below. These cases should not be allowed but full transactions need to be created and submitted if allowed.

- a. Rolled thumb position but not a plain thumb position.

- TC: Create and ARR or APP transaction.
 - Use TCN CERT-<station_id>-<tot>-Try
 - Enter any values in only required fields:
 - APP and ARR: Name, Place of Birth, Date of Birth, Sex, Race, Height, Weight, Eye Color, Hair Color, Palmprints Available, Photo Available
 - APP: Reason Fingerprinted, Applicant Agency ORI
 - ARR: Date of Arrest, Arrest Type, Arrest Charge Set, Arrest Agency ORI
 - If the test is for a card scan, enter any valid value in required fields: Print Agency ORI, Date Printed
 - Enter '<vendor name> Test 4-8' in Originating Agency Case Number (OACN).
 - For a live scan, when capturing rolled and plain prints, try to capture a rolled thumb position but not a plain thumb position. For a card scan, try to indicate that there is a rolled thumb position but not a plain thumb position.
 - Try to submit this transaction. This combination of fingerprint impressions should not be allowed by the scanning station.
- If the transaction is submitted:
 - Allow 3-5 minutes for the transaction to be processed by Prescreening.
 - Vendor: Review the Reject Notice. Look for error messages 545 and 549. Ignore other error messages.
 - TC: Review the Prescreening Transaction Report. (CIC: Refer to CIC Ref Guide 7.1)
 - Look for error messages 545 and 549. Ignore other error messages.
 - Use the hyperlink to view the invalid combination.

- b. Plain right thumb position but not a rolled thumb position.
 - Repeat step 2a.

- Look for error messages 546 and 550. Ignore other error messages.
- c. Four rolled finger positions but not the corresponding plain four fingers position.
 - Repeat step 2a.
 - Look for error messages 547 and 551. Ignore other error messages.
- d. Plain four fingers positon but not the corresponding four rolled finger positions.
 - Repeat step 2a.
 - Look for error messages 548 and 552. Ignore other error messages.
- e. More than one image for the same finger position. (live scan only)
 - Repeat step 2a.
 - Look for error message 517. Ignore other error messages.
- f. Transaction with NO tenprint images.
 - Repeat step 2a.
 - Look for error message 531. Ignore other error messages.
- g. Image that is below minimum size. (Live scan only)
 - Repeat step 2a.
 - Look for error message 521. Ignore other error messages.
- 3. Compression Ratio of Images
 - a. TC: In the Prescreening Transaction Report, look for all occurrences of message 302.
 This message is used to diagnose image quality problems. If any of the compression ratios is significantly larger or smaller than 15:1, the compression software on the scanning station needs be adjusted. Message 302 is generated only if the compression ratio is less than 10:1 or greater than 20:1, allowing for considerable variance from 15:1.
 - b. Vendor: If this message is in the Prescreening Transaction Report, the vendor needs to make adjustment so the compression ratio is within the allowed range.

4.9 Test 4.9 - Fingerprint Image Quality and End-to-End Test

Objective: The final step in the verification of the quality of the fingerprint images and an end-to-end test where both a Mississippi rap sheet and an FBI response are returned to the scanning station.

MCHS Tenprint ICD references:

All

This test will verify that:

- The quality of the fingerprint images is sufficient for the MCHS AFIS.
- The quality of the images is sufficient for the FBI IAFIS.
- The Mississippi rap sheet is printed on the scanning station printer.
- The FBI response is printed on the scanning station printer.

4.9.1 Test Tools

- Multiple people at the CIC who will be play the role of subject and of operator
- For live scans, the people with the fingerprints
- For card scans, tenprint cards
- AFIS staff for manual review of fingerprints

4.9.2 Test Steps

This test will submit multiple APP transactions through the MCHS workflow, AFIS and the FBI. Any errors in previous tests must be corrected before doing this test. For each transaction, reenter the Type 2 data and recapture the fingerprints. These transactions will NOT be stored in AFIS at the FBI.

This test requires APP transactions to be submitted. Format the Email Subject Line in accordance with the instructions in the ICD appendix C. For an APP, the Unique ID Number is the same value as in field 1.08 Applicant Agency ORI.

(CIC: Refer to CIC Ref Guide 6.9)

1. **TC: On MCHS, update the configuration for this test station to allow APPLICANT transactions for this test.** (CIC: Refer to CIC Ref Guide 6.9)
2. TC: Create a new criminal inquiry applicant test transaction as follows::
 - Create an APP transaction for Reason Fingerprinted CRIMINAL INQUIRY.
 - Enter the Type 1 and 2 data as indicated below.
 - Use TCN to CERT-<station_id>-LE-CIO<x> where <x> is a one digit number or a single alphabetic character and the resulting TCN has not previously been submitted.
 - Enter Applicant Agency ORI = 'MSCERT004'.
 - Enter Name as follows:
 - Last Name = 'Testprints'
 - First Name = 'First'
 - Enter '<vendor name> Test 4-9' in Originating Agency Case Number (OACN).
 - Enter any valid value in the following required fields: Place of Birth, Date of Birth, Sex/Gender, Race, Height, Weight, Eye Color, Hair Color.
 - If the test is for a card scan, enter any valid value in the following required fields: Print Agency ORI, Date Printed.
 - Capture ten rolled fingerprints and four plain impressions of a person from the CIC whose test prints are already in AFIS multiple times.

If all other fields are valid but one of the above fields does not have the indicated value, Prescreening will not forward the transaction to the MCHS workflow and no response will be sent to the test station.

3. TC: Submit the transaction.

4. Allow 3-5 minutes for the transaction to be processed by Prescreening.
5. Vendor: Review the Reject Notice. There should not be any errors detected by Prescreening and therefore there should not be a Reject Notice.
6. TC: Review the Prescreening Transaction Report.
 - There should not be any errors detected by Prescreening.
 - Check the Overall Transaction Status. If it says 'Accepted' go on to the next step.
 - If it says "Test Transaction" and there are no error messages, this means that there is an error in the values specified in step 2.
 - Correct the errors and resubmit the transaction.
7. TC: Wait for the transaction to be processed by MCHS.
8. TC: Use Workflow Report to determine its status in AFIS.
 - If the 'MCHS Result' line says "No Match Found", then AFIS was unable to match the captured prints with the prints already on record and the cause of the no match needs to be resolved.
 - If the 'Sent to AFIS' line displays a time but there is no response in the 'Fingerprint Search' line for more than 5 minutes, that should mean that the transaction resulted in multiple AFIS matches that are above the lights out threshold and are considered possible matches. Contact the AFIS examiner to review the transaction.
 - If the submitted prints are of sufficient quality, they should match multiple sets of prints for this subject (which the CIC has already stored in AFIS).
 - The prints will be presented to the AFIS examiner for manual review. The AFIS examiner does the following:
 - Reviews the submitted prints.
 - If they are good quality, the examiner indicates a match on one set of prints (no consolidation) and releases it to MCHS for further processing.
 - If the quality is not good, then they reject the transaction. The vendor will need to resolve the reason that the prints were not acceptable.
9. TC: When the AFIS examiner releases the transaction, the status on the Workflow Report will be updated. One of the following will be printed on the scanning station printer:
 - If the prints were acceptable: a Mississippi Rap Sheet and, for arrests, Disposition Forms. This event is recorded on the Workflow Report on the 'MS Rap Sheet Delivered' line.
 - If the prints were not acceptable: a Reject Notice. This event is recorded in the Workflow Report on the 'MCHS Result' line.
10. TC: If the prints were acceptable, wait for the FBI to send a response. Look for an FBI response on the scanning station's printer. This event is recorded in the Workflow Report on the 'FBI Response Delivered' line with more information on the 'FBI Result' line. The FBI could respond in minutes or in hours.

The response will be either an FBI Search Response for APP (SRE) or an FBI Error Response (ERR). Depending on the response, do one of the following.

- If an ERR is received and the error is not related to the image, correct the error and resubmit the transaction.
- If an ERR is received and the error is related to the image, the message may provide sufficient information for the vendor to understand the complaint and make the necessary corrections. Otherwise, contact the FBI and ask them to look at the image. Provide the FBI with the date and approximate time of the submission to the FBI (the closest approximation is the 'EFTS Transaction Sent' time found in the Workflow report), the name, and the archive id (which will

be the TCN of the EFTS transaction).

11. Vendor with TC observing: Create and submit new transactions with new fingerprints. CIC will identify various individuals whose prints will be captured and various individuals who will capture the prints.
 - Use the same TCN but increase <x> by one.
 - Change the name to 'Second', 'Third', etc.
 - Use the same Type 2 data.
 - Use the same OACN '<vendor name> Test 4-8'.

4.10 Test 4.10 - Support Function Tests – Store & Resubmit Transactions; Print Cards

Objective: Verify that transactions can be stored, resubmitted and, for live scans, properly print Mississippi State Arrest and FBI Applicant cards.

MCHS Tenprint ICD references:

- 9.0 Print Tenprint and Palm Print Card Requirements
- 10.0 Store, Retrieve and Resubmit Transactions Requirements

This test will verify that:

- A tenprint transaction can be stored and subsequently modified and resubmitted.
- A live scan can print a tenprint card on 8 1/2 x 11 paper and on preprinted card stock from either a stored or a new transaction.

4.10.1 Test Tools

- Blank arrest cards
- Blank applicant cards

4.10.2 Test Steps

Part 1 - Transactions stored and resubmitted

1. Vendor with TC observing: Demonstrate that all of the transactions submitted in Test 4.4 are stored in the scanning station.
2. TC:
 - Select one of the transactions used in Test 4.4.
 - Change the value of some fields.
 - Resubmit the transaction.
3. Allow 3-5 minutes for the transaction to be processed by Prescreening. (CIC: Refer to CIC Ref Guide 6.4).
4. TC: Review the Prescreening Transaction Report
 - Use the hyperlink to verify that the changed values are in the transaction

Part 2 - Live scan prints State Arrest and FBI Applicant card

1. Applicant card on 8 1/2 x 11 paper (from stored transaction)
 - a. Vendor with TC observing: Select a stored ARR transaction from Test 4.4. Enter the data, capture the prints, and print a tenprint card (both sides) on 8 1/2 x 11 paper.
 - b. TC: Verify the format of the printed image of a card: "print the fingerprint images and demographic data on 8 1/2 x 11 paper using an imbedded template such that the image and data formats appear on the paper to look like the FBI Applicant Card".
 - c. TC: Verify the contents of the printed applicant card.
 - d. TC: Verify that the prints and data that are entered for printing cannot be submitted to MCHS unless the operator specifically requests this.
 - e. TC: Look at the Prescreening Transaction Report to verify that the transaction was not submitted. (CIC: Refer to CIC Ref Guide 7.1).
2. Arrest card on 8 1/2 x 11 paper (from stored transaction)
 - Repeat step 1 for a State Arrest card: "print the fingerprint images and demographic data on 8 1/2 x 11 paper using an imbedded template such that the image and data formats appear on the paper to look like the current Mississippi Criminal Arrest Card".

3. Applicant card on preprinted card stock (new transaction)
 - a. Vendor with TC observing: Enter an APP transaction from Test 4.4. Enter the data, capture the prints, and print an FBI Applicant card (both sides).
 - b. TC: Verify that all data is correctly positioned on the FBI Applicant Card.
 - c. TC: Verify the contents of the printed applicant card.
 - d. TC: Verify that the prints and data that are entered for printing cannot be submitted to MCHS unless the operator specifically requests this.
 - e. TC: Look at the Prescreening Transaction Report to verify that the transaction was not submitted. (CIC: Refer to CIC Ref Guide 7.1).
4. Arrest card on preprinted card stock (new transaction)
 - Repeat step 3 for a State Arrest card.

4.11 Palm Print Certification

This document includes tests for Type 1, 2, and 4 records in a tenprint transaction. Tests for Type 15 palm print records are in a separate document.

If certification of Type 15 palm prints is done at the same time as tenprint certification:

- The tenprint certification must be done first using instructions in this document.
- Then the palm print evaluation can be done using instructions in the palm print certification test document. The requirements for configuring the environment, downloading edit tables and ATN tables, test transaction content, etc. are different and must be followed exactly.

If palm prints are being certified, follow the instructions and tests in MCHS Palm Print Certification Test Procedures and Ongoing Evaluation Process.

4.12 Reset Configurations when Tenprint Certifications Tests are Concluded

The following can be done after the vendor departs:

- CIC resets configurations. (CIC: Refer to CIC Ref Guide 5.2)

5.0 WHEN THE VENDOR'S TENPRINT CAPABILITY HAS BEEN CERTIFIED

A certification decision will be made a few days after the certification tests are completed.

If the certification is given to the vendor, CIC reviews the requirements for installations at local agencies with the vendor:

- The Installation Checklist in Tenprint ICD section 5.2 must be followed for each installation of a production scanning station. Make sure the vendor understands that they **MUST** coordinate with their customer and the CIC as indicated in the checklist.

Also remind the vendor of the following:

- Scanning station ids, IP addresses, operator ids, print agency, and agency ORIs assigned in section 4.1 are for certification tests only and must be changed to meet individual agency production environment requirements.
- The edit tables are for certification tests only and are not complete. Do NOT install on production equipment - the stations must receive the production Edit Table Download Message from MCHS at the time of installation.
- ATN blocks are for certification tests only. Do NOT install in production scanning stations - the stations must receive the ATN Block Message with their assigned ATN blocks from MCHS at the time of installation.
- To prevent transactions from being rejected, it is essential that the scanning station perform all of the validations listed in the ICD before sending them to MCHS. After installation of each scanning station, CIC will monitor the transactions and will contact the vendor if problems are detected.

APPENDIX A EMAIL SUBJECT LINE

Tests that submit APPs:

Format the Email Subject Line in accordance with the instructions in the ICD appendix C. For an APP, the Unique ID Number is the same value as in field 1.08.

Tests that submit ARRs:

Format the Email Subject Line in accordance with the instructions in the ICD appendix C. For an ARR, the Unique ID Number is the same value as in field 2.701 Arrest Tracking Number.

Tests that submit DOCs:

Format the Email Subject Line in accordance with the instructions in the ICD appendix C. For a DOC, the Unique ID Number is the same value as in field 2.709 DOC Number.

APPENDIX B CERTIFICATION TEST TRANSACTIONS FOR TEST 4.4

Type 1 field values used for certification testing:

1.07 Print Agency:

- For live scans - Hardcoded - always MSCERT004
- For card scans - User-entered as indicated in the individual test transactions

1.08 Arrest/Applicant/DOC Agency ORI:

- For Arrests, Generated from field 2.702
- For Applicants and DOCs, user-entered as indicated in the individual test transactions

1.09 Transaction Control Number: Special CERT format as described in ICD section 6.0

- User-entered special format as indicated in the individual certification test transactions

1.10 Transaction Control Reference Number:

- Either user-entered as indicated in the individual test transactions or automatically determined by scanning station software - applies to the No Charge Applicant Resubmits transaction only

Also, note the following information from the Tenprint ICD:

Field 1.07 Print Agency ORI: As described in the Tenprint ICD appendix A.1.

- On a live scan, the fingerprints and palm prints are recorded directly on the station, and thus the source of the prints is always the agency that owns the live scan. This value never changes and must be hardcoded (agency specific).
- A card scan, however, can be used to scan tenprint and palm print cards from any agency. In this case, the print agency is the agency where the prints were recorded on the card. Therefore, on a card scan, the print agency must be user entered. The values specified for 1.07 Print Agency in the following certification test transactions apply only to card scans.

Field 1.08 Arrest/Applicant/DOC Agency ORI: As described in the Tenprint ICD appendix A.1.

- This is the agency that made the arrest or requested the background check. It may or may not be the same as the Print Agency.

Field 2.037 Reason Fingerprinted: As described in the Tenprint ICD section 4.1.

- For Law Enforcement Applicant, Criminal Inquiry, Instate Inquiry Only, and APP for SOR transactions, **the Reason Fingerprinted is never to be user entered**. Each of these is a different type of submission and must be handled separately. Therefore, the Reason Fingerprinted is to be hardcoded and not entered by the user.

Field 2.038 Date Printed: As described in the Tenprint ICD appendix A.2.

- On a live scan, this field is generated by the live scan software using the system date of the date the prints were captured. The date printed must not be user entered.
- On a card scan, for all types of Applicant transactions, this field must be user entered. The date must be user entered.
- On a card scan, for Arrests, this field is populated from 2.045 Date of Arrest.

Field 2.701 Arrest Tracking Number: As described in the Tenprint ICD appendix A.2.

- On a live scan, the ATN is assigned by the live scan software, using the ATN Blocks that were downloaded from MCHS. The ATN must not be user entered.
- On a card scan, the ATN is preprinted on the fingerprint card and must be user entered.

B.1 Law Enforcement Agency Transactions

Data for test transactions are specified on the following pages.

In these sample transactions, occurrences in a repeating field are numbered beginning with (0) going through (n). However, if occurrences in a repeating field have errors, they appear in the Reject Notice as occurrences (OCC) 1 through n+1.

B.1.1 CERT-<station_id>-LE-Arrest1

Read the first page of appendix B before entering this ARR transaction.

CERT-<station_id>-LE-Arrest1 Field	Value
Type 1 Record:	
1.07 Print Agency ORI	Card scan: MSCERT003 This field is user entered ONLY IF the certification is for a card scan. Live scan: NOT user entered. Hardcoded value as indicated in introduction to appendix B.
1.09 Transaction Control No	CERT-<station_id>-LE-Arrest1
Type 2 Record:	
2.009 Originating Agency Case #	<as specified in individual test>
2.016 Social Security # (0)	123456788
2.017 Miscellaneous Id #	--
Misc Id # Type (0)	Natl Agency Nr
Misc Id # Value (0)	12-X45
Misc Id # Type (1)	Passport Nr
Misc Id # Value (1)	123456789012
2.018 Name	--
Last Name (0)	Potter
First Name (0)	Harold
Middle Name (0)	Albert
Name Suffix (0)	JR
Last Name (1)	Hippopotamus-Giraffe
First Name (1)	Harold
Middle Name (1)	Albert
Name Suffix (1)	(no data)
2.020 Place of Birth	YY
2.021 Country of Citizenship	EN
2.022 Date of Birth (0)	19800831
2.024 Sex/Gender	Male
2.025 Race	White
2.026 Scars, Marks, and Tattoos	--
SMT Code (0)	SC FHD
SMT Description (0)	(no data)
SMT Code (1)	TAT UL ARM
SMT Description (1)	Owl
2.027 Height	507
2.029 Weight	130
2.031 Eye Color	Hazel
2.032 Hair Color	Brown
2.035 Palm Prints Available	Yes
2.036 Photo Available	No
2.038 Date Printed	Card scan: 20170405 This field is user entered ONLY IF the certification is for a card scan. Live scan: NOT user entered.
2.039 Employment	--
Occupation	Construction

CERT-<station_id>-LE-Arrest1 Field	Value
Employer Name	Reynolds Corp.
Employer Address 1	Division 1A
Employer Address 2	Suite 45
Employer Address 3	Riverville, MS 22222
2.041 Residence	--
Residence Address 1	200 Side Street
Residence Address 2	Apt. 40
Residence Address 3	Riverville, MS 22225
2.045 Date of Arrest	20170405
2.056 Caution Comments	Uses a Nimbus 2000 broomstick
2.701 Arrest Tracking #	Card scan: 9000040000 Enter THIS ATN, do NOT enter the ATN on test tenprint card. This field is user entered ONLY IF the certification is for a card scan. Live scan: Assigned by live scan from downloaded ATN Block.
2.702 Arrest Agency ORI	MSCERTAR2
2.703 Drivers License	--
Driver's License State (0)	MS
Driver's License # (0)	111-333-666
Driver's License State (1)	AK
Driver's License # (1)	222-333-666
2.704 Arrest Type	Adult
2.705 Arrest Charge Set	--
Citation (0)	49-7-31.1
Charge Description (0)	Hunting without an orange vest
Supplement (0)	Conspiracy, Abet
Severity (0)	Misdemeanor
# Counts (0)	2
Date of Offense (0)	20170401
Action (0)	Arrest Charge
Charge Remarks (0)	No shirt either
Citation (1)	97-19-21
Charge Description (1)	Hunting without a gun
Supplement (1)	(no data)
Severity (1)	Misdemeanor
# Counts (1)	4
Date of Offense (1)	20170402
Action (1)	Indictment charge
Charge Remarks (1)	(no data)

B.1.2 CERT-<station_id>-LE-Arrest2

Read the first page of appendix B before entering this ARR transaction.

CERT-<station_id>-LE-Arrest2 Field	Value
Type 1 Record:	
1.07 Print Agency ORI	Card scan: MSCERT004 This field is user entered ONLY IF the certification is for a card scan. Live scan: NOT user entered. Hardcoded value as indicated in introduction to appendix B.
1.09 Transaction Control No	CERT-<station_id>-LE-Arrest2
Type 2 Record:	
2.009 Originating Agency Case #	<as specified in individual test>
2.016 Social Security # (0)	123456450
Social Security # (1)	222456789
2.017 Miscellaneous Id #	--
Misc Id # Type (0)	Natl Agency Nr
Misc Id # Value (0)	12-X4530
2.018 Name	--
Last Name (0)	Bond
First Name (0)	James
Middle Name (0)	Earl
Name Suffix (0)	SR
2.020 Place of Birth	NZ
2.021 Country of Citizenship	EN
2.022 Date of Birth (0)	19800831
Date of Birth (1)	19791130
Date of Birth (2)	19790620
2.024 Sex/Gender	Male
2.025 Race	Black
2.026 Scars, Marks, and Tattoos	--
SMT Code (0)	SC FHD
SMT Description (0)	Lightning Bolt
2.027 Height	511
2.029 Weight	230
2.031 Eye Color	Hazel
2.032 Hair Color	Black
2.035 Palm Prints Available	Yes
2.036 Photo Available	No
2.038 Date Printed	Card scan: 20170415 Enter THIS ATN, do NOT enter the ATN on test tenprint card. This field is user entered ONLY IF the certification is for a card scan. Live scan: Assigned by live scan from downloaded ATN Block.
2.039 Employment	--
Occupation	Food Server
Employer Name	ABC Restaurant
Employer Address 1	Brookville, MS
Employer Address 2	(no data)

CERT-<station_id>-LE-Arrest2 Field	Value
Employer Address 3	(no data)
2.041 Residence	--
Residence Address 1	7250 Side Street
Residence Address 2	(no data)
Residence Address 3	Riverville, MS 22225
2.045 Date of Arrest	20170405
2.056 Caution Comments	Uses a Nimbus 2000 broomstick
2.701 Arrest Tracking #	Card scan: 9000040019 Enter THIS ATN, do NOT enter the ATN on the test card. This field is user entered ONLY IF the certification is for a card scan. Live scan: Assigned by live scan from downloaded ATN Block.
2.702 Arrest Agency ORI	MSCERTAR1
2.703 Drivers License	--
Driver's License State (0)	MS
Driver's License # (0)	111-333-666
2.704 Arrest Type	Adult
2.705 Arrest Charge Set	--
Citation (0)	97-19-19
Charge Description (0)	Hunting without a hat
Supplement (0)	Abet
Severity (0)	Misdemeanor
# Counts (0)	2
Date of Offense (0)	20170401
Action (0)	Arrest charge
Charge Remarks (0)	Remark for Charge 1

B.1.3 CERT-<station_id>-LE-LEApp1

Read the first page of appendix B before entering this APP transaction.

CERT-<station_id>-LE-LEApp1 Field	Value
Type 1 Record:	
1.07 Print Agency ORI	Card scan: MSCERT003 This field is user entered ONLY IF the certification is for a card scan. Live scan: NOT user entered. Hardcoded value as indicated in introduction to appendix B.
1.08 Applicant Agency ORI	MSCERT001
1.09 Transaction Control No	CERT-<station_id>-LE-LEApp1
Type 2 Record:	
2.009 Originating Agency Case #	<as specified in individual test>
2.016 Social Security # (0)	222222222
2.017 Miscellaneous Id #	--
Misc Id # Type (0)	Natl Agency Nr
Misc Id # Value (0)	12-X2234
Misc Id # Type (1)	Passport Nr
Misc Id # Value (1)	555777
2.018 Name	--
Last Name (0)	Vader
First Name (0)	Darth
Middle Name (0)	Luke
Name Suffix (0)	III
Last Name (1)	James Earl
First Name (1)	X
Middle Name (1)	(no data)
Name Suffix (1)	(no data)
2.020 Place of Birth	LA
2.021 Country of Citizenship	US
2.022 Date of Birth (0)	19850505
Date of Birth (1)	19460606
2.024 Sex/Gender	Male
2.205 Race	White
2.026 Scars, Marks, and Tattoos	--
SMT Code (0)	TAT UP LIP
SMT Description (0)	Helmet
SMT Code (1)	TAT UL ARM
SMT Description (1)	Owl
2.027 Height	604
2.029 Weight	250
2.031 Eye Color	Unknown
2.032 Hair Color	Black
2.038 Date Printed	Card scan: 20170615 This field is user entered ONLY IF the certification is for a card scan. Live scan: NOT user entered.
2.039 Employment	--
Occupation	Construction Supervisor

CERT-<station_id>-LE-LEApp1 Field	Value
Employer Name	(no data)
Employer Address 1	5566 Long St, Walnut, MS
Employer Address 2	(no data)
Employer Address 3	(no data)
2.041 Residence	--
Residence Address 1	200 Side Street
Residence Address 2	Jupiter, MS
Residence Address 3	(no data)
2.703 Drivers License	--
Driver's License State (0)	MS
Driver's License # (0)	666-666-666
Driver's License State (1)	AK
Driver's License # (1)	AK-222222
2.707 Response Address	--
Response Addressee	Han Solo Inc.
Response Address 1	P.O. C3
Response Address 2	(no data)
Response Address 3	Enterprise, VA 44444
Response Phone #	222-111-4444

B.1.4 CERT-<station_id>-LE-CIO1

Read the first page of appendix B before entering this APP transaction.

In the Transaction Control Number, the 'O' in CIO is the letter 'O', it is not a zero (0).

CERT-<station_id>-LE-CIO1 Field	Value
Type 1 Record:	
1.07 Print Agency ORI	Card scan: MSCERT004 This field is user entered ONLY IF the certification is for a card scan. Live scan: NOT user entered. Hardcoded value as indicated in introduction to appendix B.
1.08 Applicant Agency ORI	MSCERT002
1.09 Transaction Control No	CERT-<station_id>-LE-CIO1
Type 2 Record:	
2.009 Originating Agency Case #	<as specified in individual test>
2.016 Social Security # (0)	123456777
Social Security # (1)	222456999
2.017 Miscellaneous Id #	--
Misc Id # Type (0)	Natl Agency Nr
Misc Id # Value (0)	12-X45
2.018 Name	--
Last Name (0)	Bond
First Name (0)	Sally
Middle Name (0)	A
Name Suffix (0)	IV
Last Name (1)	Double O Seven
First Name (1)	X
Middle Name (1)	(no data)
Name Suffix (1)	(no data)
2.020 Place of Birth	YY
2.021 Country of Citizenship	ZR
2.022 Date of Birth (0)	19800831
2.024 Sex/Gender	Male
2.025 Race	Asian
2.026 Scars, Marks, and Tattoos	--
SMT Code (0)	SC FHD
SMT Description (0)	(no data)
SMT Code (1)	TAT UL ARM
SMT Description (1)	Owl
2.027 Height	604
2.029 Weight	300
2.031 Eye Color	Black
2.032 Hair Color	Unknown
2.037 Reason Fingerprinted	<set to CRIMINAL INQUIRY by scanning station based on type of submission>
2.038 Date Printed	Card scan: 20170715 This field is user entered ONLY IF the certification is for a card scan. Live scan: NOT user entered.
2.039 Employment	--

<i>CERT-<station_id>-LE-CIO1 Field</i>	<i>Value</i>
Occupation	(no data)
Employer Name	Reynolds Corp.
Employer Address 1	Suite 453
Employer Address 2	9841 Main St
Employer Address 3	Riverville, MS 22222
2.041 Residence	--
Residence Address 1	200 Side Street
Residence Address 2	Apt 825
Residence Address 3	Riverville, MS 22225
2.703 Drivers License	--
Driver's License State (0)	MS
Driver's License # (0)	111-333-666
Driver's License State (1)	AK
Driver's License # (1)	222-333-666
2.707 Response Address	--
Response Addressee	M Inc.
Response Address 1	HQ
Response Address 2	(no data)
Response Address 3	London, VA 44444
Response Phone #	007-999-9999

B.1.5 CERT-<station_id>-LE-APPforSOR1

Read the first page of appendix B before entering this APP transaction.

CERT-<station_id>-LE-APPforSOR1 Field	Value
Type 1 Record:	
1.07 Print Agency ORI	Card scan: MSCERT004 This field is user entered ONLY IF the certification is for a card scan. Live scan: NOT user entered. Hardcoded value as indicated in introduction to appendix B.
1.08 Applicant Agency ORI	MSCERT002
1.09 Transaction Control No	CERT-<station_id>-LE-APPforSOR1
Type 2 Record:	
2.009 Originating Agency Case #	<as specified in individual test>
2.016 Social Security # (0)	123456788
2.017 Miscellaneous Id #	--
Misc Id # Type (0)	Natl Agency Nr
Misc Id # Value (0)	12-W234
2.018 Name	--
Last Name (0)	Bond
First Name (0)	Robert
Middle Name (0)	Albert
Name Suffix (0)	IV
Last Name (1)	Double O Seven
First Name (1)	X
Middle Name (1)	(no data)
Name Suffix (1)	(no data)
2.020 Place of Birth	AZ
2.021 Country of Citizenship	EN
2.022 Date of Birth (0)	19800831
Date of Birth (1)	19791130
2.024 Sex/Gender	Male
2.025 Race	White
2.026 Scars, Marks, and Tattoos	--
SMT Code (0)	SC ABDOM
SMT Description (0)	(no data)
SMT Code (1)	TAT UP LIP
SMT Description (1)	Owl
2.027 Height	608
2.029 Weight	250
2.031 Eye Color	Black
2.032 Hair Color	White
2.037 Reason Fingerprinted	<set to Sex Offender Reg by scanning station based on type of submission>
2.038 Date Printed	Card scan: 20170703 This field is user entered ONLY IF the certification is for a card scan. Live scan: NOT user entered.
2.039 Employment	--
Occupation	Construction
Employer Name	(no data)

CERT-<station_id>-LE-APPforSOR1 Field	Value
Employer Address 1	(no data)
Employer Address 2	(no data)
Employer Address 3	(no data)
2.041 Residence	--
Residence Address 1	200 Side Street
Residence Address 2	Unit 643
Residence Address 3	Riverville, MS 22225
2.703 Drivers License	--
Driver's License State (0)	MS
Driver's License # (0)	111-333-666
Driver's License State (1)	AK
Driver's License # (1)	222-333-666
2.707 Response Address	--
Response Addressee	M Inc.
Response Address 1	HQ
Response Address 2	(no data)
Response Address 3	London, VA 44444
Response Phone #	007-999-9999

B.1.6 CERT-<station_id>-LE-Arrest3

Read the first page of appendix B before entering this ARR transaction.

CERT-<station_id>-LE-Arrest3 Field	Value
Type 1 Record:	
1.07 Print Agency ORI	Card scan: MSCERT003 This field is user entered ONLY IF the certification is for a card scan. Live scan: NOT user entered. Hardcoded value as indicated in introduction to appendix B.
1.09 Transaction Control No	CERT-<station_id>-LE-Arrest3
Type 2 Record:	
2.009 Originating Agency Case #	<as specified in individual test>
2.018 Name	--
Last Name (0)	Baggins
First Name (0)	Bilbo
Middle Name (0)	(no data)
Name Suffix (0)	(no data)
2.020 Place of Birth	US
2.022 Date of Birth (0)	19800831
2.024 Sex/Gender	Female
2.025 Race	Other
2.031 Eye Color	Hazel
2.032 Hair Color	Black
2.035 Palm Prints Available	Yes
2.036 Photo Available	No
2.038 Date Printed	Card scan: 20170405 This field is user entered ONLY IF the certification is for a card scan. Live scan: NOT user entered.
2.045 Date of Arrest	20170405
2.701 Arrest Tracking #	Card scan: 9000040027 Enter THIS ATN, do NOT enter the ATN on test tenprint card. This field is user entered ONLY IF the certification is for a card scan. Live scan: Assigned by live scan from downloaded ATN Block.
2.702 Arrest Agency ORI	MSCERTAR1
2.704 Arrest Type	Adult
2.705 Arrest Charge Set	--
Citation (0)	97-19-21
Charge Description (0)	(no data)
Supplement (0)	(no data)
Severity (0)	Misdemeanor
# Counts (0)	2
Date of Offense (0)	20120401
Action (0)	Arrest charge
Charge Remarks (0)	(no data)

B.2 Civil Applicant Agency Transactions

Data for test transactions are specified on the following pages.

In these sample transactions, occurrences in a repeating field are numbered beginning with (0) going through (n). However, if occurrences in a repeating field have errors, they appear in the Reject Notice as occurrences (OCC) 1 through n+1.

B.2.1 CERT-<station_id>-CA-BillableApp1

Read the first page of appendix B before entering this APP transaction.

CERT-<station_id>-CA-BillableApp1 Field	Value
Type 1 Record:	
1.07 Print Agency ORI	Card scan: MSCERT003 This field is user entered ONLY IF the certification is for a card scan. Live scan: NOT user entered. Hardcoded value as indicated in introduction to appendix B.
1.08 Applicant Agency ORI	MSCERT002
1.09 Transaction Control No	CERT-<station_id>-CA-BillableApp1
Type 2 Record:	
2.009 Originating Agency Case #	<as specified in individual test>
2.016 Social Security # (0)	222222222
Social Security # (1)	333333333
2.017 Miscellaneous Id #	--
Misc Id # Type (0)	Natl Agency Nr
Misc Id # Value (0)	12-X2230
Misc Id # Type (1)	Passport Nr
Misc Id # Value (1)	88555
2.018 Name	--
Last Name (0)	Vader
First Name (0)	Raymond
Middle Name (0)	Luke
Name Suffix (0)	III
Last Name (1)	Jimmy Earl
First Name (1)	X
Middle Name (1)	(no data)
Name Suffix (1)	(no data)
2.020 Place of Birth	LA
2.021 Country of Citizenship	GN
2.022 Date of Birth (0)	19850505
Date of Birth (1)	19460606
2.024 Sex/Gender	Male
2.205 Race	White
2.026 Scars, Marks, and Tattoos	--
SMT Code (0)	TAT UP LIP
SMT Description (0)	Helmet
SMT Code (1)	TAT UL ARM
SMT Description (1)	Owl
2.027 Height	604
2.029 Weight	250
2.031 Eye Color	Gray
2.032 Hair Color	Black
2.037 Reason Fingerprinted	Men Hth Vol 41-4-7
2.038 Date Printed	Card scan: 20170603 This field is user entered ONLY IF the certification is for a card scan. Live scan: NOT user entered.

CERT-<station_id>-CA-BillableApp1 Field	Value
2.039 Employment	--
Occupation	Civil Engineer
Employer Name	Builders Depot
Employer Address 1	825 Riverview Suite 204
Employer Address 2	Llvingston, GA
Employer Address 3	25012
2.041 Residence	--
Residence Address 1	200 Side Street
Residence Address 2	(no data)
Residence Address 3	Riverville, MS 22225
2.703 Drivers License	--
Driver's License State (0)	MS
Driver's License # (0)	666-666-666
Driver's License State (1)	AK
Driver's License # (1)	AK-222222
2.706 Fee Paid	35.99
2.707 Response Address	--
Response Addressee	Han Solo Inc.
Response Address 1	P.O. C3
Response Address 2	(no data)
Response Address 3	Enterprise, VA 44444
Response Phone #	222-111-4444

B.2.2 CERT-<station_id>-CA-NoChargeApp1

Read the first page of appendix B before entering this APP transaction.

CERT-<station_id>-CA-NoChargeApp1 Field	Value
Type 1 Record:	
1.07 Print Agency ORI	Card scan: MSCERT004 This field is user entered ONLY IF the certification is for a card scan. Live scan: NOT user entered. Hardcoded value as indicated in introduction to appendix B.
1.08 Applicant Agency ORI	MSCERT002
1.09 Transaction Control No	CERT-<station_id>-CA-NoChargeApp1
1.10 Transaction Control Ref No	REF-NO-890123456789
Type 2 Record:	
2.009 Originating Agency Case #	<as specified in individual test>
2.016 Social Security # (0)	123456341
2.017 Miscellaneous Id #	--
Misc Id # Type (0)	Natl Agency Nr
Misc Id # Value (0)	12-7896
2.018 Name	--
Last Name (0)	Bond
First Name (0)	Henry
Middle Name (0)	Albert
Name Suffix (0)	IV
2.020 Place of Birth	XX
2.021 Country of Citizenship	EN
2.022 Date of Birth (0)	19800831
Date of Birth (1)	19791130
2.024 Sex/Gender	Male
2.025 Race	Amerind
2.027 Height	604
2.029 Weight	250
2.031 Eye Color	Black
2.032 Hair Color	Black
2.037 Reason Fingerprinted	Liquor App 67-1-57
2.038 Date Printed	Card scan: 20170704 This field is user entered ONLY IF the certification is for a card scan. Live scan: NOT user entered.
2.039 Employment	--
Occupation	Construction
Employer Name	(no data)
Employer Address 1	(no data)
Employer Address 2	Suite 45
Employer Address 3	Riverville, MS 22222
2.041 Residence	--
Residence Address 1	(no data)
Residence Address 2	999 Main St.
Residence Address 3	Riverville, MS 22225

CERT-<station_id>-CA-NoChargeApp1 Field	Value
2.703 Drivers License	--
Driver's License State (0)	MS
Driver's License # (0)	111-333-666
Driver's License State (1)	AK
Driver's License # (1)	222-333-666
2.707 Response Address	--
Response Addressee	M Inc.
Response Address 1	HQ
Response Address 2	(no data)
Response Address 3	London, VA 44444
Response Phone #	007-999-9999

B.2.3 CERT-<station_id>-CA-BillableApp2

Read the first page of appendix B before entering this APP transaction.

CERT-<station_id>-CA-BillableApp2 Field	Value
Type 1 Record:	
1.07 Print Agency ORI	Card scan: MSCERT003 This field is user entered ONLY IF the certification is for a card scan. Live scan: NOT user entered. Hardcoded value as indicated in introduction to appendix B.
1.08 Applicant Agency ORI	MSCERT001
1.09 Transaction Control No	CERT-<station_id>-CA-BillableApp2
Type 2 Record:	
2.009 Originating Agency Case #	<as specified in individual test>
2.018 Name	--
Last Name (0)	Baggins
First Name (0)	Bobby
Middle Name (0)	(no data)
Name Suffix (0)	(no data)
2.020 Place of Birth	NZ
2.022 Date of Birth (0)	19800831
2.024 Sex/Gender	Male
2.025 Race	White
2.031 Eye Color	Hazel
2.032 Hair Color	Black
2.037 Reason Fingerprinted	Sec Firearm 97-37-7
2.038 Date Printed	Card scan: 20170705 This field is user entered ONLY IF the certification is for a card scan. Live scan: NOT user entered.

B.3 Department of Corrections Transactions (Live Scan Only)

Data for test transactions are specified on the following pages.

In these sample transactions, occurrences in a repeating field are numbered beginning with (0) going through (n). However, if occurrences in a repeating field have errors, they appear in the Reject Notice as occurrences (OCC) 1 through n+1.

B.3.1 CERT-<station_id>-DOC-Intake 1

Read the first page of appendix B before entering this DOC transaction.

CERT-<station_id>-DOC-Intake1 Field	Value
Type 1 Record:	
1.07 Print Agency ORI	Live scan: NOT user entered. Hardcoded value as indicated in introduction to appendix B.
1.08 DOC Agency ORI	MSCERTDOC
1.09 Transaction Control No	CERT-<station_id>-DOC-Intake1
Type 2 Record:	
2.016 Social Security # (0)	123456555
Social Security # (1)	222456999
2.017 Miscellaneous Id #	--
Misc Id # Type (0)	Natl Agency Nr
Misc Id # Value (0)	12-X45
Misc Id # Type (1)	Passport Nr
Misc Id # Value (1)	123456789012
2.018 Name	--
Last Name (0)	Potter
First Name (0)	Jason
Middle Name (0)	Albert
Name Suffix (0)	JR
Last Name (1)	Giraffe
First Name (1)	Harry
Middle Name (1)	Vincent
Name Suffix (1)	(no data)
2.020 Place of Birth	YY
2.021 Country of Citizenship	ZR
2.022 Date of Birth (0)	19800831
Date of Birth (1)	19791130
Date of Birth (2)	19790620
2.024 Sex/Gender	Female
2.025 Race	Black
2.026 Scars, Marks, and Tattoos	--
SMT Code (0)	PRCD L EYE
SMT Description (0)	(no data)
SMT Code (1)	TAT UL ARM
SMT Description (1)	Owl
2.027 Height	507
2.029 Weight	185
2.031 Eye Color	Hazel
2.032 Hair Color	Brown
2.035 Palm Prints Available	Yes
2.036 Photo Available	No
2.038 Date Printed	Live scan: NOT user entered.
2.056 Caution Comments	Uses a Nimbus 2000 broomstick
2.703 Drivers License	--
Driver's License State (0)	MS
Driver's License # (0)	111-333-666

<i>CERT-<station_id>-DOC-Intake1 Field</i>	<i>Value</i>
Driver's License State (1)	AK
Driver's License # (1)	222-333-666
2.709 DOC #	DOCTEST111

B.3.2 CERT-<station_id>-DOC-LEApp1

Read the first page of appendix B before entering this APP transaction.

CERT-<station_id>-DOC-LEApp1 Field	Value
Type 1 Record:	
1.07 Print Agency ORI	Live scan: NOT user entered. Hardcoded value as indicated in introduction to appendix B.
1.08 Applicant Agency ORI	MSCERT004
1.09 Transaction Control No	CERT-<station_id>-DOC-LEApp1
Type 2 Record:	
2.009 Originating Agency Case #	02-666666
2.016 Social Security # (0)	222222888
2.017 Miscellaneous Id #	--
Misc Id # Type (0)	Natl Agency Nr
Misc Id # Value (0)	12-S3000
Misc Id # Type (1)	Passport Nr
Misc Id # Value (1)	55556
2.018 Name	--
Last Name (0)	VADER
First Name (0)	Dennis
Middle Name (0)	LUKE
Name Suffix (0)	III
Last Name (1)	JAMES EARL
First Name (1)	X
Middle Name (1)	(no data)
Name Suffix (1)	(no data)
2.020 Place of Birth	LA
2.021 Country of Citizenship	US
2.022 Date of Birth (0)	19850505
2.024 Sex/Gender	Male
2.205 Race	White
2.026 Scars, Marks, and Tattoos	--
SMT Code (0)	TAT UP LIP
SMT Description (0)	(none)
2.027 Height	510
2.029 Weight	250
2.031 Eye Color	Black
2.032 Hair Color	Orange
2.037 Reason Fingerprinted	<set to Law Enforcement by scanning station based on type of submission>
2.038 Date Printed	Live scan: NOT user entered.
2.039 Employment	--
Occupation	Construction Foreman
Employer Name	Acme Inc
Employer Address 1	100 Columbus St
Employer Address 2	(no data)
Employer Address 3	Riverville, MS 22222
2.041 Residence	--
Residence Address 1	888 Grand Blvd

<i>CERT-<station_id>-DOC-LEApp1 Field</i>	<i>Value</i>
Residence Address 2	Richards, MS 22345
Residence Address 3	(no data)
2.703 Drivers License	--
Driver's License State (0)	MS
Driver's License # (0)	666-666-666
Driver's License State (1)	AK
Driver's License # (1)	AK-222222
2.707 Response Address	--
Response Addressee	Han Solo Inc.
Response Address 1	P.O. C3
Response Address 2	(no data)
Response Address 3	Enterprise, VA 44444
Response Phone #	222-111-4444

B.3.3 CERT-<station_id>-DOC-Intake2

Read the first page of appendix B before entering this DOC transaction.

CERT-<station_id>-DOC-Intake2 Field	Value
Type 1 Record:	
1.07 Print Agency ORI	Live scan: NOT user entered. Hardcoded value as indicated in introduction to appendix B.
1.08 DOC Agency ORI	MSCERTDOC
1.09 Transaction Control No	CERT-<station_id>-DOC-Intake2
Type 2 Record:	
2.018 Name	--
Last Name (0)	BAGGINS
First Name (0)	Bruce
Middle Name (0)	(no data)
Name Suffix (0)	(no data)
2.020 Place of Birth	US
2.022 Date of Birth (0)	19800831
2.024 Sex/Gender	Male
2.025 Race	White
2.031 Eye Color	Hazel
2.032 Hair Color	Black
2.035 Palm Prints Available	Yes
2.036 Photo Available	Yes
2.038 Date Printed	Live scan: NOT user entered.
2.709 DOC #	DOCTEST222

B.4 CIC Instate Only Transactions

Data for test transactions are specified on the following pages.

In these sample transactions, occurrences in a repeating field are numbered beginning with (0) going through (n). However, if occurrences in a repeating field have errors, they appear in the Reject Notice as occurrences (OCC) 1 through n+1.

B.4.1 CERT-<station_id>- CIC-Instate1

Read the first page of appendix B before entering this APP transaction.

CERT-<station_id>- CIC-Instate1 Field	Value
Type 1 Record:	
1.07 Print Agency ORI	Card scan: MSCERT004 This field is user entered ONLY IF the certification is for a card scan. Live scan: NOT user entered. Hardcoded value as indicated in introduction to appendix B.
1.08 Applicant Agency ORI	MSCERT001
1.09 Transaction Control No	CERT-<station_id>-CIC-Instate1
Type 2 Record:	
2.009 Originating Agency Case #	02-111111
2.016 Social Security # (0)	777777777
Social Security # (1)	333333333
2.017 Miscellaneous Id #	--
Misc Id # Type (0)	Natl Agency Nr
Misc Id # Value (0)	12-X99
Misc Id # Type (1)	Passport Nr
Misc Id # Value (1)	1234567890
2.018 Name	--
Last Name (0)	VADER
First Name (0)	Derek
Middle Name (0)	LUKE
Name Suffix (0)	JR
Last Name (1)	JAMES EARL
First Name (1)	X
Middle Name (1)	(no data)
Name Suffix (1)	(no data)
2.020 Place of Birth	YY
2.021 Country of Citizenship	US
2.022 Date of Birth (0)	19850505
Date of Birth (1)	19460606
Date of Birth (2)	19570707
2.024 Sex/Gender	Male
2.205 Race	White
2.026 Scars, Marks, and Tattoos	--
SMT Code (0)	TAT UP LIP
SMT Description (0)	Helmet
SMT Code (1)	TAT UL ARM
SMT Description (1)	Owl
2.027 Height	604
2.029 Weight	325
2.031 Eye Color	Black
2.032 Hair Color	Blond
2.037 Reason Fingerprinted	<set to Instate Inquiry Only by scanning station based on type of submission>

CERT-<station_id>- CIC-Instate1 Field	Value
2.038 Date Printed	Card scan: 20170703 This field is user entered ONLY IF the certification is for a card scan. Live scan: NOT user entered.
2.039 Employment	--
Occupation	(no data)
Employer Name	(no data)
Employer Address 1	345 Walnut St
Employer Address 2	Suite 45
Employer Address 3	Riverville, MS 22222
2.041 Residence	--
Residence Address 1	200 Side Street
Residence Address 2	(no data)
Residence Address 3	Riverville, MS 22225
2.703 Drivers License	--
Driver's License State (0)	MS
Driver's License # (0)	666-666-666
Driver's License State (1)	AK
Driver's License # (1)	AK-222222
2.707 Response Address	--
Response Addressee	Han Solo Inc.
Response Address 1	P.O. C3
Response Address 2	(no data)
Response Address 3	Enterprise, VA 44444
Response Phone #	222-111-4444