Real Time Identification (RTID)

... a National Police Service Under the Stewardship of the Royal Canadian Mounted Police (RCMP)

NATIONAL POLICE SERVICES INTERFACE CONTROL DOCUMENT FOR EXTERNAL CONTRIBUTORS (NPS-NIST-ICD)

CRIMINAL TENPRINT, CIVIL, REFUGEE AND IMAGE REQUEST TRANSACTIONS

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RCMP NATIONAL POLICE SERVICES
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY
INTERFACE CONTROL DOCUMENT FOR EXTERNAL CONTRIBUTORS

DISCLAIMER

The purpose of the specifications contained in this document is to enable law enforcement and other agencies to electronically connect via a standard interface to the RCMP National Police Services (NPS). Agencies that fully implement this specification will be able to capture and transmit fingerprint and demographic data in a format compatible with the RCMP-NPS, Canadian Criminal Real Time Identification Services (CCRTIS). Authorized agencies will be able to submit criminal, refugee and civil fingerprints for search against and possible storage in the RCMP National Automated Fingerprint Identification System (AFIS) database. Authorized agencies will also be able to initiate image request transactions.

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- **Section 2**: Describes common requirements of the NPS NIST (National Police Services' National Institute of Standard Technology) interface

- **Section 3**: Defines the types of transactions available

- **Section 4**: Defines the tags, the record types and the record layouts

- **Section 5**: Logical Record Format, defines the record types associated to each transaction

New users of the NPS-NIST-ICD should start by reading sections 1 and 2. The transactions needed for processing which are all described in section 3 should then be reviewed. Then refer to section 4 to obtain the record layout needed for the selected transactions followed by section 5 for Logical Record Format.

The RCMP-NPS-NIST Certification Document provides certification test scenarios and data, including the steps to be performed, and the required flow of transactions to and from the RCMP-NPS and the contributor. Vendors must be certified by the RCMP for both compliancy to this document and also scanner block certification before a Contributor can begin submitting transactions for processing.

1. INTRODUCTION

The following section provides some general information about NIST and the RCMP's implementation of the ANSI/NIST specification.

1.1   Background

For decades the C-216 fingerprint form has been accepted as the standard for recording and transmitting fingerprint identification data to and from RCMP NPS, the policing community within Canada, other law enforcement agencies and other agencies who have been legally authorized to do so. Currently fingerprint images captured by using ink and paper must be converted to an electronic format for search and storage against the RCMP-NPS Automated Fingerprint Identification System (AFIS). The AFIS system allows the storage, retrieval and search of Tenprint/Palm images and latent fingerprints/palm images.

The RCMP, in collaboration with Citizenship and Immigration Canada (CIC) and the Canadian Border Services Agency (CBSA), has engaged in an initiative referred to as the Immigration Information Sharing (IIS) project. This business line involves foreign applicants from select countries being enrolled outside of Canada for temporary residency here, where the issuance of a visa is required. Applicant fingerprints along with biographic data shall be sent electronically to the Canadian Immigration Biometric Identification System (CIBIDS) in Ottawa. CIC will forward applicant fingerprints and data to the RCMP AFIS for search and filing. Each new enrolee under this initiative shall be issued a unique identification number, referred to as the RCMP Immigration File Number.

Today, under the NPS NIST ICD Version 1.7.7 E2, there are no data tags provided which support identifications to or retrievals from CIBIDS files, such as in the case of the Tenprint Search Results (SRE), Image Request (IRQ) and Image Request Response (IRR) transaction types. This updated document, referred to as Version 1.7.8 Revision 1.4 of the NPS-NIST-ICD, will allow agencies to update tag definitions for these three transactions types in order to electronically receive or retrieve information relative to IIS files. Note that Revision 1.4 has been prepared specifically for the RCMP AFIS Renewal Project.

Latent transactions both to and from the RCMP will continue to utilize NPS NIST ICD Version 1.7.7 E2.

1.2   Objectives

The purpose of the NPS-NIST-ICD is to provide an updated specification for interfacing electronically with RCMP-NPS. This document continues to utilize the ANSI/NIST-ITL 1-2000 specification at RCMP-NPS. The specification for biometric data (fingerprint, palm print, facial images and marks, scars & tattoo images) is largely defined in the ANSI/NIST specification. The specifications for Type-2 demographic data (name, address, physical description, etc…) are defined by the RCMP-NPS.

This document provides specific tag enhancements for subject identification purposes, which will encompass identifications to Criminal, Refugee and Immigration subjects, as well as identifications from the Federal Bureau of Investigation's (FBI) Next Generation Identification (NGI) repository.

The enhanced tags will provide richer identification reporting within a SRE transaction issued by Real Time Identification (RTID) in response to a Tenprint transaction received from a contributor [as compared to SRE content in prior ICD versions]. This document will also provide a contributor with the means of fetching Immigration Information Sharing fingerprint images stored as Record Type-14 composite plain impressions through an enhancement to the IRQ transaction.

This updated specification relies heavily on tag and transaction definitions already entrenched in NPS NIST ICD 1.7.7 E2 and is a consolidation of NPS NIST ICD 1.7.7 E2 and the former NPS NIST ICD 1.7.8 (an addendum to NPS NIST ICD 1.7.7) for tenprint/palm and image request transactions.

Vendors must continue to rely on NPS NIST ICD 1.7.7 E2 for all latent search transactions.

This document will allow Police and other authorized agencies to purchase or develop their own automated systems in order to electronically submit fingerprint images and other information to RCMP-NPS that will either be added to the criminal record database or be used to search against fingerprints stored at RCMP-NPS.

1.3   Current Status

The RCMP has implemented a new AFIS and NIST Workflow Server with a modernized, integrated system called RTID. This document supports tenprint/palm and image request transactions. For the creation and transaction of latent transactions you should be guided by the NPS NIST ICD 1.7.7 E2.

With the publishing of ICD V1.7.8 Revision 1.3 in March 2015, it is expected that all new users of Criminal Tenprint/Palm Print, Civil and Image Request Transactions shall implement and be certified to use 1.7.8 transactions. Those users already certified to submit ICD 1.7.7 transactions will continue to be supported, however, no new implementations of V1.7.7 transactions will be authorized for Criminal Tenprint/Palm Print, Civil and Image Request Transactions.

Submissions of latent transactions will continue to be supported under ICD 1.7.7.

1.4   References

The following references are available to contributors:

- National Police Services National Institute of Standards and Technology Interface Control Document (NPS-NIST-ICD 1.7.7E2) dated July 30, 2010.

- American National Standard Institute / National Institute of Standards and Technology, Data Format for the Interchange of Fingerprint, Facial, & Scar, Mark & Tattoo Information, July 27, 2000, ANSI/NIST-ITL 1-2000

- Electronic Biometric Transmission Specification (EBTS), Criminal Justice Information Services, FBI, Version 10.0, September 2014.

- Guidelines for RCMP Fingerprint Image Quality Certification Version 1.4 dated 2014-12-12

- FBI-WSQ Gray Scale Image Compression Specification, IAFIS-IC-0110 (V3.1), Federal Bureau of Investigation, October 04, 2010.

- Test Procedures for Verifying IAFIS Scanner Image Quality Requirements for Fingerprint Scanners and Printers, V1.4, Mitre Technical Report MTR05B0016R7, Department of Justice – Federal Bureau of Investigation, February 2013.

- Best Practice Recommendation for the Capture of Mugshots, Version 2.0 or greater, ANSI NIST.

- Best Practices for the Implementation of Civil Electronic Fingerprint Capture Devices Workflows, dated February 10, 2015 Version 1.7.

- Best Practices for the Capture of Charge Information in Support of NPS-NIST-ICD 1.7.7. (Implementation and Use of the NPS-NIST Federal Statutes Table), dated February 05, 2008 or latest version.

- SMTP-NIST Message Guidelines: A Companion Document to the NPS NIST ICD Version 1.7.7, Version 1.3, 2011-05-18.

- Electronic Reception Workflow and Process Descriptors. Version 8.0 January 9, 2015.

1.5   Approach

This document describes the types and format of information that the RCMP expects to send and receive electronically. Contributing agencies that electronically interface with RCMP-NPS must use the transactions defined in this document.

No details of networking or communications protocols are provided in this document. While users are required to communicate with RTID, this document provides no details of how that communication takes place.

No requirements/specifications for actual Contributor (front-end) applications are included. These are entirely the responsibility of the Contributor, as long as all transactions and record types satisfy the requirements of the NPS-NIST-ICD and ANSI/NIST specifications. A list of recommended features that can be part of any front-end application is indicated in this document as a guideline when evaluating any future implementation. Vendors should have a good understanding of the NPS Federal Statutes Table and the mechanisms involved in keeping this table up-to-date before implementing the "CAR RET Y" transaction in their systems. Vendors must rely on the Best Practices for the Implementation of Civil Electronic Fingerprint Capture Devices Workflows to fully capture the spirit and intent of the civil process (Miscellaneous Applicant Civil Transaction (MAP)) and business rules.

Contributing agencies that are authorized to interface with the RCMP NPS according to ICD 1.7.7 are under no obligation to upgrade to ICD 1.7.8. However, an agency wishing to upgrade will be required to procure a system solution from a vendor certified by the RCMP to the ICD version 1.7.8.

Upon publication of this NPS NIST ICD 1.7.8 specification, new vendor certification to NPS NIST ICD 1.7.7 will no longer be supported for tenprint/palm and image request transactions. Vendors requesting tenprint and palm application software certification will only be against NPS NIST ICD 1.7.8

1.6   Transactions Affected by Tag Extensions

The table below lists the NPS NIST transactions defined in ICD version 1.7.8 which provide added support for the return of identifications to RCMP subject files in the SRE response transaction.

Table 1-1: Types of Transactions (TOTs)				
NPS NIST Transaction	**TOT Sent to RCMP**	**Acknow-ledgement TOT**	**Normal Response TOT**	**Error Response TOT**
Criminal Tenprint Transaction Retain Y	CAR	ACKT	**SRE***	ERRT
Criminal Tenprint Transaction Retain N	CAR	ACKT	**SRE***	ERRT
Refugee Transaction	REF	ACKT	**SRE***	ERRT
Miscellaneous Applicant Civil	MAP	ACKT	**SRE***	ERRT
Image Request	**IRQ***	n/a	**IRR***	ERRI

***Note:** Transaction types containing tag extensions over ICD 1.7.7 are annotated above.

Transaction types IRQ, IRR and SRE, containing tag extensions, are documented in full within this specification.

Transaction types, CAR-Y, CAR-N, REF, MAP, ACKT, ERRI and ERRT, contain the similar tag make-up as documented in ICD version 1.7.7. Certain tag definitions have been modified, however, the functionality of the tags generally remains unchanged.

Irrespective of which transaction type is sent to or received from the RCMP, all transactions conforming to this ICD must include tag **2.8910 NVN (External ICD Version Number)** set to **178**, the value representing this version number.

1.7   NIST File

Every transaction (NIST file) submitted to the RCMP-NPS must adhere to the ANSI/NIST and NPS-NIST-ICD specifications. Each NIST data file will contain at a minimum a Type-1 and a Type-2 logical record. In addition to the tags defined by the ANSI/NIST-ITL 1-2000 specification, RCMP-NPS has defined other tags within the Type-10, 13 and 14 record definitions in section 4 of this document.

Table 1-2: Logical Record Types

Logical Record Type Identifier	Logical Record Contents	Type of Data	Implemented By RCMP in ICD 1.7.7	Implemented By RCMP in ICD 1.7.8
1	Header Record	ASCII	Y	Y
2	Descriptive Text (RCMP-defined)	ASCII	Y	Y
3	Fingerprint Image Data (low-resolution grayscale)	Binary	N	N
4	Fingerprint Image Data (high-resolution grayscale) – for Tenprint rolled and plain finger images	Binary	Y	Y
5	Fingerprint Image Data (low-resolution binary)	Binary	N	N
6	Fingerprint Image Data (high-resolution binary)	Binary	N	N
7	Image Data (user-defined) – for latent object shots relevant to ICD 1.7.7 but not 1.7.8.	Binary	Y	N
8	Signature Image Data	Binary	N	N
9	Minutiae Data – for latent transactions, relevant to ICD 1.7.7 but not 1.7.8. The IRR Image Fetch Response returned by RTID shall contain minutiae data for the returned images.	ASCII	Y	Y
10	Facial and Scar, Mark and/or Tattoo (SMT) Image Data	ASCII/Binary	Y (Facial only)	Y (Facial only)
11	Reserved for Future Use	-	-	-
12	Reserved for Future Use	-	-	-
13	Latent Image Data (variable-resolution) – for Latent transactions relevant to ICD 1.7.7 but not 1.7.8.	ASCII/Binary	Y	N
14	Tenprint Fingerprint Impressions (variable-resolution) – for ID Flat finger images or biometric consent image.	ASCII/Binary	Y	Y
15	Palmprint Image Data (variable-resolution)	ASCII/Binary	Y	Y
16	Document Image Data (variable-resolution)	ASCII/Binary	N	N

1.8   Separators

ANSI/NIST-ITL 1-2000 standards specify the use of separators to delimit information items within a tag, tags within a logical record, and logical records within a transaction (ANSI-NIST formatted file). The four information separators are unit/sub-tag separators (**US**) Record/occurrence Separators (**R_S**) Group/tag Separators (**G_S**) and File/record-type Separators (**F_S**). It is important to note that all of these separators are a **single ASCII character** in length, which is shown in the table below.

Table 1-3: Information Separators Used in ANSI-NIST Formatted Files

Code	Type	Description	Hexadecimal Value	Decimal Value
Us	Unit/Sub-tag Separator	Separates multiple information items within a tag or a sub-tag	1F	31
Rs	Record/Occurrence Separator	Separates multiple sub-tags	1E	30
Gs	Group/Tag Separator	Separates information tags	1D	29
Fs	File/Record-type Separator	Separates logical records	1C	28

For example, the Other Names/Alias (tag 2.824), contains sub-tags and it allows up to 40 occurrences. Between each sub-tag there is a **U**s separator. Between each occurrence there is a **R**s separator and once there is no more information to enter for this tag there is either a **G**s separator to separate this tag from another Type-2 record tag or a **F**s separator if it is the last Type-2 record tag.

Note: Successive separator characters must be used with no intervening blank or other character when a sub-tag is missing.

Table 1-4: Type 1 Transaction Record Example

Identifier	Tag Number	Tag Name	Example
LEN	1.001	Length	1.001:305**G**s
VER	1.002	Version	1.002:0300**G**s
CNT	1.003	Content	1.003:1**U**s15**R**s2**U**s00**R**s4**U**s01**R**s4**U**s02**R**s4**U**s03**R**s4**U**s04**R**s4**U**s05**R**s4**U**s06**R**s4**U**s07**R**s4**U**s08**R**s4**U**s09**R**s4**U**s10**R**s4**U**s11**R**s4**U**s12**R**s4**U**s13**R**s4**U**s14**G**s
TOT	1.004	Type of Transaction	1.004:CAR**G**s
DAT	1.005	Date	1.005:19991109**G**s
PRY	1.006	Priority	1.006:4**G**s
DAI	1.007	Destination Agency Identifier	1.007:ON12345**G**s
OAI	1.008	Originating Agency Identifier	1.008:ON12345**G**s
TCN	1.009	Transaction Control Number	1.009:0612345000125**G**s
TCR	1.010	Transaction Control Reference Number	1.010:0612345000110**G**s
NSR	1.011	Native Scanning Resolution	1.011:19.69**G**s
NTR	1.012	Transmitting Resolution	1.012:19.69 **G**s
GMT	1.014	Greenwich Mean Time	1.014:19991120235745Z **F**s

Table 1-5: Type 2 Transaction Record Example for Criminal Tenprint Transaction Retain=Y (CAR Y)

Identifier	Tag Number	Tag Name	Example
LEN	2.001	Logical Record Length	2.001:1080^G_s
IDC	2.002	Image Designation Character	2.002:00^G_s
DCN	2.800	Document Control Number	2.800:10500106123450123105^G_s
FPS	2.801	Fingerprint Section Number	2.801:4876B^G_s
ADR	2.802	Address	2.802:210-2340 MAIN ST^U_sOTTAWA^U_s06^U_s K1A OR2 ^U_sCANADA^U_s124^G_s
OCC	2.803	Occupation & Employer Name	2.803:OCCUPATION – EMPLOYER NAME^G_s
IRN	2.804	Contributor Individual Reference Number	2.804:1668000488^G_s
NAME	2.806	Primary Name	2.806:SMITH^U_sJOHN^U_sHENRY^U_sMARK^U_s GREGORY^G_s
SEX	2.807	Sex	2.807:F^G_s
HAI	2.808	Hair Colour	2.808:01^G_s
EYE	2.809	Eye Colour	2.809:W^G_s
HGT	2.810	Height	2.810:180^G_s
WGT	2.811	Weight	2.811:94^G_s
RACE	2.814	Race Descent	2.814:N^G_s
POB	2.815	Place of Birth	2.815:O^G_s
FLG	2.816	Caution Flags	2.816:F^G_s
CTR	2.817	Response to Agency Identifier	2.817:ON12345^G_s
YPF	2.818	Young Person Flag	2.818:J^G_s
LGF	2.819	Language Flag	2.819:E^G_s
CPX	2.822	Complexion	2.822:0002^G_s
MKS	2.823	Marks, Scars, Tattoos	2.823:M^U_s140^U_sBLACK^R_sT^U_s311^U_sJAN^G_s
OTN	2.824	Other Names/Alias	2.824:SMITH^U_sJOHN^U_sHENRY$^U_s$$^G_s$
NTS	2.826	Notepad Message	2.826:19970804080722^U_sSMITH^U_sMESSAGE^G_s
CHG	2.829	Charge Information	2.829:001^U_s20050101^U_sOTTAWA^U_s05-020304^U_s001^U_s J^U_s 2005-9899^U_sC^U_s100(1)^U_s1 ^U_s ^U_sC ^U_sN^U_sPOSS FOR THE PURPOSE OF ^U_sWEAPONS TRAFFICKING ^U_s SEC 100(1) CC$^U_s$$^U_s$ ^U_s ^G_s
CGV	2.831	Federal Statutes Table Version Number	2.831:020^G_s
SFBI	2.874	FBI Search Request	2.874:Y^G_s
USS	2.876	US States to Search	2.876:29$^U_s$$^G_s$
COB	2.883	City of Birth	2.883:MONTREAL^G_s
POE	2.884	Port of Entry	2.884:MONTREAL^G_s
DOE	2.885	Date of Entry	2.885:19851020^G_s
RID	2.886	Refugee File Number	2.886:330001004876^G_s
CIC	2.887	CBSA/CIC Office Number	2.887:1234^G_s
FOSS	2.888	Field Operational Support System Number	2.888:12345678^G_s
ISR	2.891	International Search Request	2.891:Y^G_s
IRP	2.892	International Countries to Search	2.892:002$^U_s$$^G_s$

Table 1-5: Type 2 Transaction Record Example for Criminal Tenprint Transaction Retain=Y (CAR Y)

Identifier	Tag Number	Tag Name	Example
FQO	2.893	Fingerprint Quality Override	2.893:01ᵁs 99ᵁsBEST FINGERPRINTS POSSIBLEᴳs
FER	2.894	Foreign Search Reason	2.894:SUSPECTED TERRORIST ACTIVITIESᴳs
ICI	2.8106	Investigator Contact Information	2.8106:INVESTIGATOR NAMEᵁsAGENCYNAMEᵁs AGENCYSECTIONᵁs61355512112ᵁsᵁs1200 APPLE ST OTTAWAᵁsMAIL@OTTAWA.COMᴳs
RET	2.8005	Retention Code	2.8005:Yᴳs
NOK	2.8011	Next Of Kin	2.8011:SMITHᵁsJOHN ᵁs ᵁs ᵁs ᵁs1ᵁs1200 VANIER PKWY OTTAWA ONTARIO K2T1S9ᴳs
FBI	2.8014	FBI File Number	2.8014:789900359ᴳs
DOB	2.8022	Date of Birth	2.8022:19651002ᴳs
DPR	2.8038	Date Fingerprinted	2.8038:20051120ᴳs
DOA	2.8045	Date of Arrest	2.8045:20051120ᴳs
MFR	2.8084	Missing Fingerprint Reason	2.8084:03ᵁsXX ᵁs20051102ᴿs09ᵁsUP ᵁs20051102ᴳs
CNON	2.8908	Contributor Case/File Number	2.8908:2005-362ᴳs
NVN	2.8910	External ICD Version Number	2.8910:178ᴳs
STV	2.8911	System Table Version Number	2.8911:001ᴳs
NFT	2.8931	Name of Person Responsible for Transaction	2.8931:JOHN DOEᴳs
GNA	2.8933	Gang Affiliation	2.8933:ROCK MACHINEᵁs05ᵁsOTTAWAᴳs
CTRY	2.8935	Country of Birth	2.8935:840ᴳs
RTX	2.8936	Race Description	2.8936:ASIANᶠs
NOTF	2.8938	Name of Official taking fingerprints	2.8938:MARY MACKAYᴳs
FPCL	2.8939	Fingerprint Capture Location	2.8939:ELGIN OFFICEᴳs

1.9   Current ICD Versions Supported

The RCMP supports a number of current and past versions of ICDs that have been, or can be used to submit fingerprints, biometric and other transactions. The following table is a summary of ICDs, their application and status.

Table 1-6: NPS-NIST ICD Versions

NPS NIST ICD Version Number	Primary Use	In Service	End of New Contributors	End of Service
V1.7.5	Criminal, Civil, Refugee and Latent Transactions	February 2002	March 2009	Fall 2015
V1.7.6	Criminal, Civil, Refugee and	February 2005	2007	January 2010

Table 1-6: NPS-NIST ICD Versions

NPS NIST ICD Version Number	Primary Use	In Service	End of New Contributors	End of Service
	Latent Transactions			
V1.7.7 – All	Criminal, Civil, Refugee and Latent Transactions	February 2006	February 2015	In service and supported
V1.7.7 – Latent	Latent transactions only	February 2015	N/A	In service and supported
V1.7.8	Criminal, Civil, Refugee and Image Request Transactions	May 2013	N/A	In service and supported
V2.1.0	Dedicated to Immigration transactions only	February 2012	November 2014	Fall 2015
V2.1.1	No Criminal, Civil or Latent transactions	November 2014	N/A	In service and supported

Notes:

End of New Contributors:
Contributors will not be certified for any new applications using this version. Existing, certified applications are unaffected.

End of Service:
After this date, transactions using this version of the ICD will no longer be accepted by the RCMP.

2.   RCMP-NPS EXTERNAL CONTRIBUTOR REQUIREMENTS

The following section describes some of the requirements needed to submit electronic transactions to RCMP-NPS.

2.1   Compliance Standards

This section describes the minimum requirements that must be met before a contributor may begin submitting transactions to RCMP-NPS.

2.1.1   RCMP-NPS-NIST COMPLIANCY VERIFICATION

A vendor's system solution (hardware and software) selected by a contributor must be certified by RCMP-NPS before the system will be permitted to submit specific transactions as defined in the NPS-NIST-ICD. The vendor will receive a Letter of Certification in order to confirm compliance to specific transaction types within a specific NPS-NIST-ICD Version.

2.1.2   RCMP SCANNER BLOCK CERTIFICATION

In addition to NPS-NIST-ICD compliancy verification, vendors must also undergo certification of the scanner block integrated into their proposed application software. All image data (fingerprints, palm prints, facial images and other image data records) must also meet the ANSI/NIST-ITL 1-2000 specifications. As a prerequisite to RCMP Scanner Block Certification, the scanner block must have undergone testing by the FBI and be listed on the FBI Certified Products List.

2.1.3   RCMP FINGERPRINT IMAGE QUALITY SPECIFICATIONS

Although the RCMP relies on the FBI EBTS Appendix F certification of scanner blocks, this certification is required as a prerequisite to an application for RCMP Scanner Block Certification. Refer to the "Guidelines for RCMP Fingerprint Image Quality Certification dated 2014-12-12 Version 1.4" or latest version. The RCMP reserves the right to suspend or withdraw a scanner block certification should the fingerprint images, in the opinion of the RCMP, display artifacts or anomalies due to the scanner block or image processing, that may adversely impact the functions of conclusive Tenprint comparisons, Latent comparisons, fingerprint classification or automatic feature extraction.

2.1.4   FBI IAFIS IMAGE QUALITY SPECIFICATIONS

These specifications, found in Appendix F of the EBTS, apply to the fingerprint scanner systems and printers.

Electronic images must be of sufficient quality to allow for:

- Conclusive fingerprint comparisons (identification or non-identification decision);

- Fingerprint classification;

- Automatic feature detection; and

- Overall Automated Fingerprint Identification System search reliability.

2.1.5   WSQ GRAY-SCALE FINGERPRINT IMAGE COMPRESSION SPECIFICATION

A list of acceptable compression algorithms and the specifications are available from the RCMP. When contributors compress images using WSQ, the RCMP requires the compression ratio of transmitted fingerprint images to be 15:1 or less on average, measured over multiple transactions. The RCMP monitors compression ratios for each contributor; whenever the calculated average across many transactions is consistently higher than 15:1 by a large margin, the RCMP may request remedial action be taken by the identified contributor.

2.1.6   DATA FORMAT FOR THE INTERCHANGE OF FINGERPRINT INFORMATION

The data format must be compliant with the ANSI/NIST-ITL 1-2000 standard.

2.2   General Business Rules

The following section describes some general concepts related to the NPS-NIST-ICD.

2.2.1   CHANGE CONTROL

The NPS-NIST-ICD defines the interface between the contributors and the RCMP. Any changes to the data fields or formats in the Type-2 record of any currently implemented transaction must honor previously published and supported interfaces for these transactions (except for remote latent site transactions) to ensure that previous implementations will continue to function. This means that any changes will only enhance functionality but contributors will not be forced to implement these changes.

2.2.2   FIELDS/TAGS

All fields have a tag number assigned to them (except for Type-4). Each tag has the format: <record number> "." and unique number and a ":" followed by the tag name (for example 2.8022: DATA). The tags are assigned following the ANSI/NIST standard. These tag numberings are coordinated with the tag numberings used by the FBI in their EBTS. Every North American agency will have a unique assignment of tags. For example RCMP is assigned tags in the 2.8 range, FBI in the 2.0 range, and other US States a different range. Interpol countries are not included in this assignment of tag numbers.

2.2.3   RTID AGENCY IDENTIFIER

Every NIST submitting agency will be assigned a unique 7-character alphanumeric RTID Agency Identifier by RCMP-NPS. This identifies the agency from which the NIST transaction originated. The RTID Agency Identifier will be populated in the Originating Agency Identifier (tag 1.008) of incoming transactions and in the Destination Agency Identifier (tag 1.007) of responses from RCMP-NPS. The alphanumeric RTID Agency Identifier is mapped to a 7-digit numeric RTID Agency Identifier which is embedded in the DCN and used to prefix a TCN.

The alphanumeric RTID Agency Identifier will have the following format:

    AANNNNN
        where
            AA: 2-character   alphabetic   province   code
            NNNNN: 5-digit number

    Example: NS12345 is the alphanumeric RTID Agency Identifier assigned to an agency in Nova Scotia.

    See Table A-4 in Appendix A for a list of alphabetic province codes.

The numeric RTID Agency Identifier will have the following format:
nnNNNNN
    where
        nn: 2-digit numeric province code
        NNNNN: last 5 digits of the alphanumeric RTID Agency Identifier

    Example:
        NS12345 is the alphabetic RTID ID assigned to an agency in Nova Scotia. NS maps to 03, therefore the numeric RTID ID of this agency is **03**12345.

See Table A-4 in Appendix A for a list of numeric province codes.

The Originating Agency Identifier (tag 1.008), TCN prefix (part of 1.009) and DCN (tag 2.800) must always contain the RTID agency identifiers of the submitting agency.

2.2.4   TRANSACTION CONTROL NUMBER

All transactions will contain a Transaction Control Number (TCN) that is automatically generated by the submitting system. This number will be populated in tag 1.009 of the Type-1 record. The 13-digit TCN must have the following format:

<7-digit numeric RTID Agency Identifier>+<2-digit device ID>+<4-digit sequential number>.

For example:

    TCN 0312345130001 = <0312345>+<13>+<0001>.

The TCN is used to track the transaction through the NPS workflow. It is also used within the Electronic Fingerprint Capture Device Case Management system to track the transaction and to identify the responses from the RCMP-NPS for that transaction. The device ID further individualizes the transaction to a specific device where multiple devices are located at the same agency Originating RTID Agency Identifier (ORI).

The response will contain the TCN as generated by RCMP-NPS. The TCN generated by RCMP-NPS will not follow the same formatting rules as the TCN generated by the submitting system. The original TCN of the corresponding incoming transaction will be referenced in the Transaction Control Reference Number (tag 1.010).

A transaction must never be resubmitted with the same TCN as a previous transaction. **Each transaction must have a new TCN**. If an error has been received from RCMP-NPS then the transaction may be resubmitted with the original DCN but with a new TCN.

An exception to the "no reuse" rule for TCN values is permitted hen a contributor has full exhausted all possible values in the number range made available for TCN. The RTID rules governing reuse of TCN values are defined further on in section NIST DATA DEFINITIONS for tag 1.009 Transaction Control Number.

2.2.5   TRANSACTION CONTROL REFERENCE NUMBER

All responses will contain a Transaction Control Reference Number (TCR) generated by RCMP-NPS. The TCN of the last incoming transaction will be referenced in the TCR (tag 1.010) of the Type-1 record.

Following is an example of a workflow of a single NPS-NIST-ICD transaction. The format of the DCN, TCN and TCR are kept simple for illustration purposes only. In an actual transaction they would follow the format as defined in this document.

Examples:
Incoming file: CAR: TCN=1, DCN=1
Outgoing file: ERRT: TCN=2, TCR=1, DCN=1
Incoming file: CAR: TCN=3, DCN=1
Outgoing file: ACKT: TCN=4, TCR=3, DCN=1
Outgoing file: SRE: TCN=5, TCR=3, DCN=1

Note: The CAR Request in the above example depicts a resubmission. The new TCN is used to identify the new instance of the CAR while the original DCN is used to indicate that it is a resubmission of a previous CAR, and the TCR is populated in each RCMP response and references the Contributor's TCN value sent to the RCMP. A second, unrelated CAR would require a new DCN and TCN since it is a new transaction.

2.2.6   DOCUMENT CONTROL NUMBER

All NIST Tenprint transactions will contain a unique Document Control Number (DCN) created by the contributor. The DCN is the unique number that is used to carry out a dialogue pertaining to a specific transaction over an extended period of time.

Contributing Agencies will be supplied with three identifiers to assist in generating their unique DCN: a 7-digit numeric RTID agency identifier, an external flag and a document flag. Refer to tag 2.800 for the format and edit rules.

Each transaction will contain a unique DCN and Transaction Control Number (TCN) created by the submitting agency. In response to a Canadian ERRT and ONLY in response to a Canadian ERRT, the user can resubmit the transaction with same DCN to correct the errors. The resubmission must have the DCN created in the initial transaction and a new TCN specifically created for the resubmission. Any resubmission made in the absence of an ERRT will be rejected. A RESUBMISSION WITH THE SAME DCN CAN ONLY BE MADE AFTER A CANADIAN ERRT IS RECEIVED. A Canadian ERRT is differentiated from an FBI ERRT by the RCMP NPS Results tag which is set to "Y" for Canadian search requests and "N" for FBI and other foreign search requests.

The contributing agency MUST NOT change the DCN in order to submit revision(s) to the type-2 data with a set of fingerprints previously submitted on a RET Y transaction. After a CAR Y or REF is submitted, the contributor must contact the RCMP by agreed upon operational procedures for any follow-up activities related to the transaction such as:

- to request an FBI search against a specific FPS number or Refugee File number;

- to amend the charges submitted; and

- to amend any biographical information submitted.

Criminal Tenprint Transaction Retain=N (CAR N) and MAP transactions can be resubmitted with a new DCN and a new TCN if a new search is required. The NPS-NIST will treat them as new transactions.

RTID does not allow a CAR Y transaction found to be in error to be resubmitted as a CAR N or vice versa with the same DCN.

Below is an example of how DCN and TCN are used in a NIST dialogue. For simplicity, the DCN, TCN and TCR are represented as 1-digit integers.

Example:

```
Incoming file (initial transaction):      CAR:   TCN=1, DCN=1
Outgoing file (errors found):   ERRT: TCN=2, DCN=1, TCR=1
Incoming file (resubmission#1):        CAR:   TCN=3, DCN=1
Outgoing file (errors found in resubmission#1):
        ERRT: TCN=4, DCN=1, TCR=3
Incoming file (resubmission#2):        CAR:   TCN=5, DCN=1
Outgoing file (acknowledgement):    ACKT: TCN=6, DCN=1, TCR=5
Outgoing file (results):           SRE:   TCN=7, DCN=1, TCR=5
```

Note that <u>the DCN remains unchanged</u> throughout the whole process.

2.2.7   FORMAT VALIDATION

To ensure compliance with the NPS-NIST-ICD, all data fields in an NPS-NIST transaction must be validated within the Electronic Fingerprint Capture Device (EFCD) and/or local Records Management System (RMS) and/or Electronic Mugshot System (EMS) prior to submitting the electronic transaction to the RCMP-NPS. The use of pick-lists and drop-down lists is encouraged. Once received, NPS will validate transactions to ensure that the data conforms to the NPS-NIST-ICD. Fields are validated against the general business rules in the NPS-NIST-ICD specification for field size, character type, number of occurrences, and field inter-dependency rules. Refer to the section on NIST Data Definitions for the layout of the transactions and other rules. Only transactions that conform to this specification will be accepted. If a transaction does not meet NPS-NIST-ICD specifications it will be rejected by RCMP-NPS (TOT ERRT or ERRI).

2.2.8   CONDITION

Under the Condition column in the logical record description tables, mandatory tags are designated by the letter M and optional tags by the letter O. Some tags become mandatory based on the value entered in another tag, thereby making it conditional, and are designated by the letter C. The contributor must not allow the transmission of an NPS-NIST-ICD transaction if mandatory tags are not populated. If a transaction does not meet NPS-NIST-ICD specifications it will be rejected by RCMP-NPS (ERRT or ERRI Type of Transaction (TOT)).

When a tag is optional it means that there are circumstances under which the tag cannot be populated. *The tag must be populated when the data is available.* (e.g., If a subject does not have a third given name, then the third given name is not included. If the subject does have a third given name then it must be included). The user of the EFCD or system populating demographic data must have the ability to enter all optional tags. All optional and mandatory tags in reply transactions must be presented to the recipient when they are populated.

Note: Optional tags that do not contain data should not be included in a transaction. Where a tag includes sub-tags, all sub-tags, populated or not, must be included.

2.2.9   CHARACTER TYPE (ALLOWABLE AND SPECIAL CHARACTER SETS)

Data to be populated within a NIST transaction must conform to the character type specified for the corresponding data tag. Data types are specified as one of the following or some combination thereof.

A –   Alpha; refers to all upper case letters (A-Z) defined by ASCII character set from decimal 65 to 90 (hexadecimal "41" to "5A") inclusive.

B –   Binary; most commonly, an image in compressed or uncompressed format

D – Date; 8 numerics formatted as CCYYMMDD (refer to 2.2.12 Date/Time Fields)

T – Date/Time; 14 numerics formatted as CCYYMMDDhhmmss (refer to 2.2.12 Date/Time Fields)

N – Numeric; refers to 10 digits (0-9) defined by ASCII character set from decimal 48 to 57 (hexadecimal "30" to "39") inclusive.

S – RCMP Special Character Set; refers to allowable ASCII characters appearing in Table 2-1 and Table 2-2.

Table 2-1: RCMP Special Character Set			
Character Name	**Character Image**	**Decimal Value**	**Hexadecimal Value**
Space		32	'20'
Number Sign	#	35	'23'
Dollar Sign	$	36	'24'
Ampersand	&	38	'26'
Apostrophe	'	39	'27'
Left Bracket	(	40	'28'
Right Bracket	)	41	'29'
Asterisk	*	42	'2A'
Comma	,	44	'2C'
Hyphen	-	45	'2D'
Period	.	46	'2E'

Other ASCII characters are allowable within certain NPS tags, as indicated by the "Special Characters Allowed" column in the tables containing the Type-2 logical record definitions. Those characters allowed on an individual tag basis are listed in Table 2-2 below.

Table 2-2: Other Special Characters Allowed by Specific Tags			
Character Name	**Character Image**	**Decimal Value**	**Hexadecimal Value**
Line Feed <LF>		10	'0A'
Carriage Return <CR>		13	'0D'
Question Mark	?	63	'3F'
At Sign	@	64	'40'
Underscore	_	95	'5F'

Note: A field cannot start or end with a special character.

2.2.10   FIELD SIZE PER OCCURRENCE

The maximum field size does not include any separators (neither unit, record, group nor file) but does include all alphanumeric, numeric or special characters. For example, if a tag allows up to 30 characters then 30 characters may be entered plus the separator. The LEN must include the count of every character of every field contained in the record including the information separators. Refer to the ANSI/NIST ITL 1-2000 for more detailed information. In

the Type-10, and Type-14 records the maximum field size includes the count of the character separators.

2.2.11   OCCURRENCES

The occurrences column in the record layout indicates the number of occurrences allowed for the tag. Multiple occurrences are separated by the record separator (^{R}s).

2.2.12   DATE FIELDS

All date fields that are 8-digit numeric fields of the format CCYYMMDD, where:

- CC (Century) must not be less than 19;

- YY (Year) must be 00 to 99;

- MM (Month) must be 01 to 12; and

- DD (Day) must be 01 to the limit defined by the month and year.

   For example 20031220 represents December 20, 2003.

All Date Time fields that are 14-digit numeric fields of the format CCYYMMDDhhmmss, where:

- CCYYMMDD is as described above for Date Fields;

- hh (hour) must be 00 to 23;

- mm (minute) must be 00 to 59; and

- ss (second) must be 00 to 59.

   For example: 20070102134523 represents January 2, 2007 at 1:45 pm and 23 seconds.

2.3   Identification Flats (also known as ID flats)

ID Flats consist of two plain impressions of the 4 fingers obtained simultaneously from each hand and one plain impression of both thumbs, Finger Position Codes (FGP) 13, 14 and 15. Also known as a 4-4-2 slap. The RCMP requires ID Flats to be encoded as Type-14 records. Individual fingerprint segment positions containing pixel coordinates are required on each record.

2.4   Electronic Fingerprint Capture Device

These devices refer to computer-based systems that record the fingerprints of a subject directly from the subject's fingers or captured by scanning a fingerprint card. The devices capture palm prints, writer's palms, plain and rolled fingerprint impressions and Identification Flats. They also include a means to enter biographical, demographic and/or criminal

information and facial images. Information can be sent from a Record Management System to the Electronic Fingerprint Capture Device, or vice versa. The NPS-NIST packet is created and a RCMP approved client creates a secure (encrypted) network path (channel) before being sent to the RCMP-NPS. Agencies should be aware that this standard does not provide the specifics of a good graphical user interface design for an EFCD. **Agencies should work closely with their vendor and the RCMP-NPS to ensure that the user interface dialogue and the functions and features of the EFCD adequately meet their needs and ensure that data is submitted to RCMP-NPS correctly.** A number of recommended features are described below.

2.4.1   BASIC ADMINISTRATION

The devices should support basic administration features. These include but are not limited to:

- User Identifier and password for login at the operating system and application level;

- Two factor authentication for connection to RCMP networks may be required;

- Locked screensaver for workstations inactive after a predefined time;

- Backup/restore/archive processes;

- Operate in both official languages – English and French – where applicable;

- A training mode enabling users to practice and become familiar/comfortable with the use of the EFCD by taking electronic fingerprints and capturing demographic data without actually submitting transactions;

- Support System Table updates and Federal Statutes Table updates received from RCMP-NPS;

- Virus Protection; and

- Administrator configuration functionality.

2.4.2   BASIC CASE MANAGEMENT

Case management should provide features including but not limited to the following:

- Fully capture and edit transactions of the types that the agency is permitted to submit;

- Monitor transaction status;

- Fully view transaction details and their replies;

- Generate a unique DCN and Transaction Control Number (TCN) per new request;

- Amend existing requests and resubmit with a new TCN and the same DCN when an error is returned;

- Retain, manage and delete the transactions/cases and their replies by TCN/DCN for a minimum specified period of time; and

- Display and print the transactions and their replies (e.g., CAR, MAP, SRE, ERRT, etc…) in an RCMP-NPS pre-approved format.

2.4.3   SHARED DEVICES

If an EFCD is shared by two or more agencies, the configuration of the device (e.g., the agency-specific identifiers: the numeric user agency RTID identifier) must be in context of the submitting agency and the ORI assigned to the EFCD. In other words, the user of the device should have the ability to select their ORI which will be embedded in the DCN and in the Type-1 tag 1.008 (OAI). The ORI embedded in the TCN will be that of the ORI assigned to the EFCD.

2.4.4   BILINGUAL SUPPORT

It is recommended that devices are capable of operating in either English or French. Users should be able to do all processing in either language, including a selection of drop-downs, pick-lists, tag names and on-line help. Accents are not supported within RTID and all data is stored in capitals.

2.4.5   TEMPORARY STORAGE

An EFCD should have, as a minimum, the ability to store all queued transactions for a configurable period of time. Temporary storage is necessary in the event of RCMP-NPS downtime. It allows the user agency a method to add and edit transaction data if the charge and/or other biographic/demographic data changes after the capture of the fingerprints and before it is transmitted to RCMP-NPS.

2.5   EFCD-RMS Integration

Agencies that interface an EFCD with a Records Management System (RMS), or an EMS, must ensure that data forwarded to NPS via the NPS interfacing system/device meets the requirements of the NPS-NIST-ICD. This includes the validation of all data fields and conformance to the NPS-NIST Federal Statutes Table. If responses are to be received by the RMS then it must have the capability to receive NPS-NIST transactions. The RMS should allow the user to select the ORI of the investigating agency and embed the selected ORI in the DCN.

Note:

- If the RMS generates the DCN (tag 2.800) and passes the DCN to the EFCD, the EFCD shall retain the DCN generated by the RMS and generate a TCN based on the ORI assigned to the EFCD.

- If the RMS does not generate a DCN and the RMS does not populate tag 2.800 then the EFCD shall generate the DCN and TCN based on the ORI assigned to the EFCD.

- If the EFCD does not import Type-1, Type-2 and optionally Type-10 records from a RMS but rather creates a net new case at the EFCD, the EFCD shall generate both the DCN and TCN based on the ORI assigned to the EFCD.

2.5.1   SYSTEM TABLE UPDATES

The System Table Version Number (tag 2.8911) is included in the Type-2 record of NPS-NIST transactions. This number indicates the version of NPS tables being used. All tables must be identified by a version number. If any of the tables, such as the MAP Application Types Table (tag 2.869) and other reference tables are updated, the System Table Version Number changes. The Federal Statutes Table has its own version number found in Federal Statutes Table Version Number (tag 2.831). These tables may be updated at any time, and in some cases may require frequent updating. Vendors should design their systems to support RCMP-NPS system table updates easily and quickly. The mechanism by which RCMP-NPS will distribute new version of system tables is to be determined. **Note that updates to the system tables do not require new versions of this NPS-NIST-ICD.**

2.6   Printers/Scanners

Certified printers must be capable of printing the RCMP-NPS fingerprint forms (Criminal, Civil and Refugee) as well as the responses from the RCMP-NPS. The printer's principle function is to produce 1:1 fingerprints that have met formatted requirements as specified in EBTS v9.3 Appendix F and ANSI/NIST in order to support fingerprint comparison.

The fingerprint scanner (which must be certified to EBTS Appendix F and listed on the FBI Certified Products List) must be capable of producing images that exhibit good geometric fidelity, sharpness, grey-level uniformity, and gray-scale dynamic range, with low noise characteristics. The images must be true representations of the input fingerprints, without creating any significant artifacts, anomalies, false detail, or cosmetic image restoration effects.

2.7   Fingerprint/Palm Sequence Checks

The EFCD shall run a sequence check to ensure that there are no position errors in the fingerprint images. This is performed, prior to submitting the packet to the RCMP, by validating the rolled images against the plain images to ensure that the fingerprints from the rolled images are in sequence with the fingerprints in the plain images. The sequence check will determine whether any rolled images are identified incorrectly. For example, if the sequence check indicates that the rolled Right Middle finger does not match to the Right Middle finger in the Plain Right Four Fingers impression, this indicates that the rolled fingerprint impressions for the right hand may be out of sequence or the same finger may have been rolled twice. If this validation raises any warnings, the fingerprints should be retaken with careful attention to ensure that the sequence is correct.

If palms are being captured on the EFCD then the upper palm should be compared to the rolled impressions and the lower palm should be compared to the upper palm. This will validate that the palms are associated to the correct hand. In cases where the palms cannot be positively matched to the rolled impressions due to image quality, an override or skip feature may be considered. If the RTID AFIS cannot positively match the upper palms to the rolled impressions the palm images associated to the transaction may not be filed to the database.

The RCMP will perform a sequence check validation and may reject transactions where a sequence check indicates that fingerprint or palm images are not in sequence.

An EFCD capturing ID Flats shall run a sequence check on each image to ensure that there are no segment position errors encoded:

- For FGP 13 (Right Four) with no missing finger, the segment positions are encoded as 02, 03, 04, 05 and the coordinates for segment position are arranged from left to right within the image.

- For FGP 14 (Left Four) with no missing finger, the segment positions are encoded as 07, 08, 09, 10 and the coordinates for segment position are arranged from right to left within the image.

- For FGP 15 (Both Thumbs) with both thumbs present, the segment positions are encoded as 01 and 06 and the coordinates for segment position are arranged from right to left within the image.

2.8   Network Considerations

Unless otherwise advised it is the responsibility of the agency requesting the interface to provide the communication hardware and software necessary to connect to the RCMP-NPS. For local applications, the vendor and/or the local agency must provide the necessary hubs, routers and cables for the physical connection.
The RCMP Departmental Security Branch (DSB) approves the connection between NPS and the contributor. This includes all security issues such as 2 Factor Authentication, encryption, network protocols, ports, firewalls, etc. A Threat Risk Assessment (TRA) must be completed and approved before a contributor will be authorized to connect to NPS. Shared Services is responsible for the physical network connection once DSB approves the TRA.

2.9   Exchange with FBI

Some contributors will be authorized to request a search of the FBI Next Generation Identification (NGI). The current process is for RCMP-NPS to reformat the NPS-NIST transaction into the FBI EBTS format and send the search request to the FBI. The response is returned to RCMP-NPS where it is reformatted from a Foreign Search Response and returned to the contributor. A separate SRE will be returned for the FBI search requested. If there is an error then an ERRT will be returned.

2.10   Exchange with International Countries

Some contributors will be authorized to request a fingerprint search of specified International countries. A response in the applicable format will be returned for each International search performed.

2.11   Software Upgrades

All device vendors should have a plan to support upgrades of their software.

2.12 NIST Test Mode

Contributors have the ability to submit test cases to a separate RCMP-NPS-NIST test server. The RCMP-NPS-NIST test server will perform validation of transactions.

2.13 RTID Agency Profile

The RCMP will create an Agency Profile during certification and maintain it for each authorized contributing agency. The Agency Profile contains information such as the type of agency, RTID ORI, common and formal name of the agency, contact name, contact phone number, preferred language, physical and mailing addresses, authorized transaction types as well as other detailed properties associated to the agencies authorized transaction types.
Once established, the Agency Profile is used to validate each NPS-NIST transaction from the agency. Authority to submit, ability to bulk bill civil transactions, exemptions related to 3rd party waivers and the authority to request FBI or other foreign searches are examples of agency profile validations that are performed upon receipt of a transaction. A complete agency profile will be established during certification and provided to the authorized agency.

3. TYPES OF TRANSACTIONS

The RCMP has adopted the ANSI/NIST standard for sending and receiving information. The ANSI/NIST standard describes the format for the exchange of finger print, palm print, facial, mark, scar and tattoo information. The NPS-NIST Interface Control Document for External Contributors defines the RCMP implementation of this standard.

The table below lists the NPS-NIST transactions defined to support the various types of fingerprint transactions. All the transactions below are defined in more detail later in this section.

Table 3-1: Types of Transactions (TOTs)				
NPS-NIST Transaction	**Type of Transaction**	**Response**	**Error**	**Acknowledge**
Criminal Tenprint Transaction Ret Y	CAR	SRE	ERRT	ACKT
Criminal Tenprint Transaction Ret N	CAR	SRE	ERRT	ACKT
Miscellaneous Applicant Civil	MAP	SRE	ERRT	ACKT
Refugee Transaction	REF	SRE	ERRT	ACKT
Image Request	IRQ	IRR	ERRI	n/a

3.1   Tenprint Transactions

This group of transactions includes the CAR Y, CAR N, MAP and REF transactions.

3.1.1   CRIMINAL TENPRINT TRANSACTION RET Y (CAR)

This transaction is a criminal tenprint fingerprint search which includes charge information and therefore the fingerprint retention code has a value of "Y". It contains ten rolled and four plain impressions of all ten fingers, one or more photos, a set of palm prints, as well as information relative to an arrest. This transaction can only be submitted when the charges have been formally laid. Some of the biographical data and fingerprint images are used to determine if the arrested individual already has a criminal record in the RCMP-NPS central repository. If the fingerprints are not identified to an existing criminal record, a new criminal record is created. This transaction can also be used for administrative purposes under the Immigration and Refugee Protection Act for reporting deportations from Canada.

The possible response transactions to the CAR Y transaction will include the following TOTs:

- 0 – 1 Acknowledgement Tenprint (ACKT);
- 0 – N Search Results (SRE); and
- 0 – N Tenprint Transaction Error (ERRT).

The CAR Y transaction will include the following logical records:

- 1 Type-1 Header Record;

- 1 Type-2 Record (Data Descriptors);

- 1 – 14 Type-4 Records (10 Rolled Impressions and 4 Sets of Plain Impressions);

- 0 – 10 Type-10 Records (Photo Image); and

- 0 – 6 Type-15 Records (Palm Print Image).

3.1.2   CRIMINAL TENPRINT TRANSACTION RET N (CAR)

This transaction is a tenprint fingerprint search without a criminal charge being specified; therefore the fingerprint retention code has a value of "N". It is the responsibility of the contributor to ensure that they have the legal authority to fingerprint the subject of the inquiry. Transactions may also be received to request identity for amnesia victims and unknown deceased and to report the death of an offender. This transaction is NOT to be used for civil screening purposes, summary offences or provincial statute offences.

The possible response transactions to the CAR N transaction will include the following TOTs:

- 0 – 1 Acknowledgement Tenprint (ACKT);

- 0 – N Search Results (SRE); and

- 0 – N Tenprint Transaction Error (ERRT).

The CAR N transaction will include the following logical records:

- 1 Type-1 Header Record;

- 1 Type-2 Record (Data Descriptors);

- 1 – 14 Type-4 Records (10 Rolled Impressions and 4 Sets of Plain Impressions); and

- 0 – 6 Type-15 Records (Palm Print Image).

Note:

- Type-10 (Photo Image) is not allowed for the submission of a CAR N transaction to the RCMP. Agencies can develop their software to capture a Type-10 record for their internal purposes however the Type-10 record cannot be submitted within the NIST packet received by the RCMP.

3.1.3   MISCELLANEOUS APPLICANT CIVIL (MAP)

This transaction is used to perform fingerprint-based criminal record searches for non-criminal purposes. It is commonly used for background screening in support of employment, adoptions, citizenship, foreign travel and vulnerable sector. The result is returned in an SRE that may include a positive or negative indicator, a File Number, or an indication that a hardcopy or email result has been returned to the authorized recipient.

A typical MAP transaction will include fingerprint images in up to 14 Type 4 Records and possibly one Type 14 record for biometric consent. The RCMP is allowing authorized

contributors to submit a MAP "ID Flats" transaction which includes fingerprint images in up to three Type 14 Records (containing plain impressions only) and possibly 1 Type 14 Record for biometric consent.

The possible response transactions to the MAP transaction will include the following TOTs:

- 0 – 1 Acknowledgement Tenprint (ACKT);

- 0 – N Search Results (SRE); and

- 0 – N Tenprint Transaction Error (ERRT).

The MAP transaction will include the following logical records:

- 1 Type-1 Header Record;

- 1 Type-2 Record (Data Descriptors);

- 2 – 14 Type-4 Records (10 Rolled Impressions and 4 Sets of Plain Impressions);

- 0 – 10 Type-10 Records (Photo Image); and

- 0 – 1 Type-14 records (Additional Type-14 record containing a Plain Finger for Biometric Consent where required).

   OR

- 1 Type-1 Header Record;

- 1 Type-2 Record (Data Descriptors);

- 0 – 10 Type-10 Records (Photo Image);

- 1 – 3 Type-14 Records (2 Segmented Plain Impressions and 1 Plain Impression of both thumbs for ID Flats. Finger Position Codes 13, 14, and 15.); and

- 0 – 1 Type-14 records (An additional Type-14 record containing a Plain Finger for Biometric Consent where required.).

Notes:

- In a Miscellaneous Applicant transaction (MAP), <u>Type-4 Records (10 Rolled Impressions and 4 Sets of Plain Impressions) and Type-14 Records (2 Segmented Plain Impressions and 1 Plain Impression of both thumbs) may not be used in conjunction with each other</u>. One or the other must be selected. That is, an "ID flats" transaction must only use Type-14 Records and no Type-4 Records for fingerprint images. A non "ID flats" transaction must use only Type 4 records for fingerprint images and is allowed 1 Type-14 record for biometric consent.

- If the Send Results tag is set to 3 (return to subject) or 4 (return to 3rd party), a Type-10 frontal photo record is required. In addition, a Type-14 record is also mandatory if the Send Results tag is set to 4.

- If the Send Results tag is set to 1 (Contributor) or 2 (Response to Agency), a Type-10 photo record is optional.

- If the Send Results tag is set to 1 (Contributor) or 2 (Response to Agency), and the contributor is 3rd Party Waiver exempt for a specific application type as per their Agency Profile, a Type-10 photo record is optional however a photo is recommended.

- If the Send Results tag is set to 1 (Contributor) or 2 (Response to Agency), and the contributor is <u>not</u> 3rd Party Waiver exempt for a specific application type as per their Agency Profile, a Type-10 frontal photo record is required.

3.1.4   REFUGEE TRANSACTION (REF)

This transaction is used to submit fingerprints for search against RTID and is restricted to the Canada Border Services Agency (CBSA).

Note: The REF transaction type for ICD version (1.7.7) has been retired as of November 2014. The REF Type-2 layout continues to remain in force for ICD Version 1.7.8 for Canada Border Services Agency (CBSA) use only.

The possible response transactions to the REF transaction will include the following TOT's:

- 0 – 1 Acknowledgement Tenprint (ACKT);

- 0 – N Search results (SRE); and

- 0 – N Tenprint Transaction Error (ERRT).

The REF Transaction will include the following logical records:

- 1 Type-1 Header Record;

- 1 Type-2 Record (Data Descriptors);

- 1 – 14 Type-4 Records (10 Rolled Impressions and 4 Sets of Plain Impressions);

- 0 – 10 Type-10 Records (Photo Image); and

- 0 – 6 Type-15 Records (Palm Print Image).

3.2   Latent Transactions

Latent transactions can only be sent to the RCMP-NPS from designated remote sites and are be conformant to the NPS-NIST-ICD 1.7.7 version.

New RTID functionality was deployed by the RCMP in 2015 which replaces existing Regional Automated Identification Access System (RAFIAS) devices

3.3   Image Request (IRQ)

This transaction provides the contributor with the ability to request fingerprint and/or palm print images from the RCMP tenprint files. Only a single set of prints from one individual may be requested per IRQ transaction. The request can include the fingerprints for a specific submission by DCN or a composite set of images of the best images for the file.

The possible response transactions to the IRQ transaction include:

- 0 – 1 Image Request Response (IRR); and
- 0 – 1 Image Request Error (ERRI).

No Acknowledgement Tenprint (ACKT) is sent with an IRQ.

The IRQ transaction will include the following logical records:

- 1 Type-1 Header Record; and
- 1 Type-2 Record (Data Descriptors).

3.4   Results and Responses

3.4.1   TENPRINT SEARCH RESULTS (SRE)

This reply transaction contains the results of the tenprint search from the RCMP and possibly the FBI. Therefore multiple SREs may be returned for a single tenprint transaction (CAR, and MAP) over time. If there are any errors associated with a tenprint transaction then an ERRT is returned.

The SRE Transaction will include the following logical records:

- 1 Type-1 Header Record; and
- 1 Type-2 Record (Data Descriptors).

3.4.2   IMAGE REQUEST RESPONSE (IRR)

This reply transaction is returned by the RCMP in response to an IRQ transaction. It will contain the requested Type-4 fingerprint images or Type-14 plain fingerprint images and/or Type-15 palm print images.

The IRR transaction will include the following logical records:

- 1 Type-1 Header Record;
- 1 Type-2 Record (Data Descriptors);
- 0 – 14 Type-4 Records (Fingerprint Image Records);
- 0 – 20 Type-9 Records (Minutiae Records);
- 0 – 3 Type-14 Records (Plain Impressions); and
- 0 – 6 Type-15 Records (Palm Print Records).

3.5   Acknowledgements

When a transaction is received at the RCMP-NPS-NIST server, packet validation occurs. The transaction is then passed to the AFIS where an image quality assessment occurs. If the transaction passes both validations, then an acknowledgment is returned. This acknowledgment transaction is sent back to confirm that the transaction has passed the initial validation and is being processed. An error can still be returned even if an acknowledgement has been sent to the contributor. Acknowledgements are sent back for Tenprint (CAR, REF and MAP) transactions. Acknowledgements are **not** returned for IRQ transactions.

3.5.1   ACKNOWLEDGEMENT TENPRINT (ACKT)

If a tenprint transaction passes the initial validation then an ACKT will be returned. The ACKT is sent to confirm that the transaction has passed the initial validation and is being processed. An ERRT can still be returned even if an ACKT was sent to the contributor such as in the case of poor quality fingerprint images.

The ACKT transaction will include the following logical records:

- 1 Type-1 Header Record; and
- 1 Type-2 Record (Data Descriptors).

3.6   Error Transactions

When the RCMP receives a transaction, the content of the transaction is initially validated to ensure that it conforms to the NPS-NIST-ICD standards with regard to mandatory tags, conditional tag rules and tag format/content rules. If there are any errors with the submitted transaction, an error is returned. An error can be returned anytime in the process even if an acknowledgement was previously sent to the contributor.

3.6.1   TENPRINT TRANSACTION ERROR (ERRT)

This transaction is returned by the RCMP-NPS-NIST server in response to a tenprint transaction that contained errors. The error could be missing or inadequate quality fingerprints, missing mandatory tags, missing conditional tags, invalid tag contents, etc. A message tag will contain details about the error(s) detected. An ERRT can still be returned even if an ACKT was sent to the contributor.

The ERRT transaction will include the following logical records:

- 1 Type-1 Header Record; and
- 1 Type-2 Record (Data Descriptors).

3.6.3   IMAGE REQUEST ERROR (ERRI)

This transaction is returned by the RCMP-NPS-NIST server in response to an IRQ transaction that contained errors. The error could be: missing mandatory tags, invalid tag contents, etc... A message tag will contain details about the error detected.

The ERRI transaction will include the following logical records:

- 1 Type-1 Header Record; and
- 1 Type-2 Record (Data Descriptors).

4. NIST DATA DEFINITIONS

The following section will describe the individual tags that are used to make up the logical records. They are sorted numerically. Refer to the logical record definitions in section 5 to see which tags are required for each transaction type.

4.1   Type-1 Data Definitions (Header Record)

The following describes the data contained in the tags of the Type-1 header record. Each tag follows the definition as explained in the ANSI/NIST ITL 1-2000. A Type-1 logical record is mandatory and will be included with every transaction. The Type-1 record provides ASCII information describing the type of transaction involved, a list of each logical record included in the file, the originator or source of the physical record as well as other useful and required information items. The last tag in the Type-1 record MUST contain a File/Record type separator (^F_S).

1.001: LEN   LOGICAL RECORD LENGTH

This mandatory ASCII tag contains the total count of the number of bytes in this Type-1 logical record. The total count is made up of every character of every tag contained in the record and includes the count of all character separators. The number of characters added to the record by the LEN tag itself must be included in calculating the value of LEN.

1.002: VER   ANSI/NIST VERSION NUMBER

This mandatory four-byte ASCII tag is to be used to specify the current version number of the ANSI/NIST specification implemented by the software or system creating the file. The format of this tag consists of four numeric characters. The first two characters specify the major version number. The last two characters are used to specify the minor revision number. The value that should be entered in this tag is "0300" which represents ANSI/NIST ITL 1-2000.

1.003: CNT   FILE CONTENT

This mandatory tag lists each of the records in the file by record type and the order in which the records appear in the logical file. It consists of two or more sub-tags, each of which in turn contains two information items describing a single logical record found in the current file. The sub-tags are entered in the same order in which the records are recorded and transmitted.

The first sub-tag relates to this Type-1 transaction. The first information item within this is the single character indicating this is a Type-1 record consisting of header information. The second sub-tag will be the sum of the Type-2 to Type-15 logical records in this file.

Each of the remaining sub-tags is associated with one record within the file, and the sequence of sub-tags corresponds to the sequence of records. Each sub-tag contains two items of information. The first is to identify the type of the record. The second is the record's unique Image Designation Character (IDC) that is generally in the range 00-16 (1 Type-1, 1 Type-2, and 14 Type-4), can be extended further when Type-15 Palm images and Type-10 Photo images are included. The unit/sub-tag separator (^U_S) shall be used to separate the two information items.

All IDC values, whether encoded in the Type-1 record as Information Item #2, in the Type-2 tag 2.002 IDC or within an image record as tag nn.002 IDC (where nn is the record type) are to be stored as Numeric data items up to 5 digits long. Leading zeroes encoded within an IDC value are not significant, meaning for example, that IDC values of 9, 09, 009, 0009 and 00009 are treated by RTID as being equivalent

1.004: TOT   TYPE OF TRANSACTION

This mandatory tag contains an identifier, which designates the type of transaction (TOT) and subsequent processing that the logical file should be given. See Table 1-1 – Types of Transactions (TOTs) for a list of valid TOTs.

1.005: DAT   DATE

This mandatory tag contains the date of the transaction. The eight-digit date appears in the format CCYYMMDD. See section 2.2.12 Date Fields for additional formatting.

The Date tag contains the date that a transaction was submitted and not the date of the original transaction. For example if a transaction was submitted on Jan 15, 2015 then this tag would contain the value 20150115. If an error was returned and this transaction was resubmitted on Jan 20, 2015 then the contents of this tag would be 20150120.

RTID does not accept future-dated transactions.

1.006: PRY   PRIORITY

This mandatory tag contains a single information character to designate the priority of the transaction. Priorities are 1 to 9 where 1 is the highest and 9 is the lowest. The transaction should normally have a priority set to 4 unless a specific reason exists. The transaction priority is assigned by RTID and priority levels specific to this tag may not be observed.

1.007: DAI   DESTINATION AGENCY IDENTIFIER

This mandatory tag contains the 7-alphanumeric RTID Agency Identifier of the agency designated to receive the NIST transaction. Each agency will be assigned a unique RTID identifier of the following format:
    AANNNNN
    Where

AA: 2-character alphabetic province code
NNNNN: 5-digit number

Example: NS12345 is the RTID ID of an agency in Nova Scotia.

See Table A-4 in Appendix A for a list of alphabetic province codes.

Any transactions containing an invalid Destination Agency Identifier will be rejected by the RCMP-NPS-NIST server.

1.008: OAI   ORIGINATING AGENCY IDENTIFIER

This mandatory tag contains the 7-alphanumeric RTID Agency Identifier of the agency originating the information. This identifier is issued and controlled by the RCMP-NPS. It has the following format:
    AANNNNN
    Where
        AA: 2-character alphabetic province code
        NNNNN: 5-digit number

See Table A-4 in Appendix A for a list of alphabetic province codes.

Any transactions containing an invalid Originating Agency Identifier will be rejected by the RCMP-NPS-NIST server.

1.009: TCN   TRANSACTION CONTROL NUMBER

This mandatory tag contains a unique transaction control number created by the originating agency for each transaction submitted. The format is as follows:

<7-digit numeric RTID Identifier><2-digit device ID>+<4-digit sequence number>

The <7-digit TCN prefix> has the following format:
    nnNNNNN
    where:
        nn: 2-digit numeric province code
        NNNNN: last 5 digits of the RTID Agency Identifier

See Table A-4 in Appendix A for a list of numeric province codes.

Example:

    NS12345 is the alphabetic RTID ID of an agency in Nova Scotia. NS maps to 03, therefore the numeric RTID ID of this agency is **03**12345.

The 7-digit numeric RTID Agency Identifier must prefix all TCN's submitted by the agency.

For an EFCD device which assigns unique TCN values as Device Number (e.g., "01") plus 4-digit Sequence Number (e.g., "1234"), when the sequence portion reaches its upper limit

of "9999", the EFCD is expected to automatically reset the next Sequence Number back to "0000" and resume TCN number assignment from there. The RTID system shall accept this reuse of TCN numbers with the proviso that any reused TCN does not belong to a submission that continues to be shown in an active, in-service state within RTID. The most-likely case where this can happen is a tenprint submission requesting a search of a foreign country where the search results may not be returned to the RCMP for several years.

For an RMS solution, the TCN is normally generated at the EFCD and not at the RMS.

1.010: TCR   TRANSACTION CONTROL REFERENCE NUMBER

This optional tag will be used to refer to the TCN of a previous transaction. If there is no previous transaction to refer to, then this tag should not be included in the file.

```
    For                                                              example,
        CAR:              TCN             =              1,               DCN=1
        ACK:    TCN    =    2,    TCR    =    1,    DCN    =    1
        SRE: TCN = 3, TCR=1, DCN = 1
```

1.011: NSR   NATIVE SCANNING RESOLUTION

This mandatory tag specifies the native scanning resolution of the AFIS or other fingerprint or Palmprint image capture device supported by the originator of the transmission. This tag permits the recipient of this transaction to send response data at a transmitting resolution tailored to the Native Scanning Resolution (if it is able to do so) or to the minimum scanning resolution. This tag contains five bytes specifying the native scanning resolution in pixels per millimeter. The resolution is expressed as two numeric characters followed by a decimal point and two more numeric characters (e.g.,19.69). This tag is required because the interchange of fingerprint information between systems of the same manufacturer may, in some instances, be more efficiently done at a transmitting resolution equal to the native scanning resolution of the system rather than at the minimum scanning resolution specified in this standard. If no images are present in the NIST packet the value should be 00.00.

1.012: NTR   NOMINAL TRANSMITTING RESOLUTION

This mandatory tag specifies the nominal transmitting resolution for the fingerprint image or images being exchanged. It has little to no relevance for non-fingerprint applications. This tag contains five bytes specifying the transmitting resolution in pixels per millimeter. The resolution is expressed as two numeric characters followed by a decimal point and two more numeric characters (e.g.,19.69). The transmitting resolution is within the range specified by the transmitting resolution requirement.

Images received at the NIST Server with a resolution of 39.38 will be rejected and an ERRT will be issued.

1.014: GMT   GREENWICH MEAN TIME

This is an optional tag which eliminates the local time inconsistencies encountered when a transaction and its response are transmitted between two places separated by several time zones. If used, the Greenwich Mean Time tag contains the universal date that will be in addition to the local date contained in the Date (tag 1.005). The Greenwich Mean Time provides universal date and 24-hour clock time, independent of time zones. It is represented by a 15-character string that is the combination of the date with the GMT and concludes with a "Z" (for example: *ccyymmddhhMMss*Z). Upon transaction arrival at the RCMP, the GMT value must not be dated in the future when compared to the RTID system derivation of GMT.

4.2   Type-2 Data Definitions (Descriptive Text)

The Type-2 logical record contains demographic and descriptive information required by RCMP-NPS to process the electronic transaction to complete the fingerprint search and update the RCMP central repository. The Type-2 logical record layouts in section 5 Logical Record Formats define the mandatory and optional tags that must be included in each transaction. Conditional rules – tags that become mandatory depending on the value entered in another tag – are also included in section 5 Logical Record Formats.

2.001: LEN   LOGICAL RECORD LENGTH

This mandatory NIST tag contains the total count of the number of bytes in this Type-2 logical record. The total count is made up of every character of every tag contained in the record and includes the count of all information separators. The number of characters added to the record by the Logical Record Length field itself must be included in calculating the value of Logical Record Length.

2.002: IDC   IMAGE DESIGNATION CHARACTER

This mandatory tag is used to identify the Type-2 record containing user-defined text information. The Image Designation Character value must match the Image Designation Character of the Type-2 logical record found in the file content tag of the Type-1 record.

2.067: IMA   IMAGE CAPTURE EQUIPMENT

This free-text field is used to log the make, model, and serial number of the equipment used to acquire images. It is a grouped field composed of three subfields: the Make (MAK), Model (MODL), and Serial Number (SERNO) of the scanning device.

   This tag becomes mandatory for all new certifications to ICD 1.7.8 Revision 1.3 and up.

2.800: DCN   DOCUMENT CONTROL NUMBER

The Document Control Number is used to uniquely identify and track a particular transaction throughout its lifetime. Each DCN must be unique and in the following format:

CYYJJJNNNNNNNnnnnESK

where:

C   Current century ("0"=19xx, "1"=20xx)

YY   Last two digits of current year (i.e., "03" if 2003)

JJJ   Julian Date or days since January 1st (i.e., "032" if Feb 01)

NNNNNNN   7-digit RTID numeric Agency Identifier issued and controlled by RCMP-NPS.

nnnn   A static 2-digit device ID number followed by a 2-digit sequential number (ensures uniqueness) – see note below

E   External Flag – see below

S   Document Flag – see below

K   Check digit (see Calculation below)

External Format Flag

The external flag indicates where the DCN was created. Always use value 1 for this tag.

Document Flag

The document flag indicates the type of request. Always use value 0 for this tag.

Check Digit Calculation

The check digit will be a modulo 10 check digit based on alternate 1, 3 weightings of the data characters. The weighting is arranged so that the least significant digit is on the far right of the data stream and receives a 3 weight.

For example, the check character will be calculated as follows:

Data Characters: 4 3 8 2 7

Weights: 3 1 3 1 3

Weighted Sum = (3x4) + (1x3) + (3x8) + (1x2) + (3x7) = 62

The check digit for the data characters is the digit which when added to the weighted sum produces a sum ending in 0. Hence, in this case the check digit is 8 and the final result is "4 3 8 2 7 8". This exact process should be followed to calculate the 20th digit of the DCN.

Note: A DCN created by an RMS may not have the information necessary to embed a device ID therefore a RMS may use the "nnnn" as a four digit sequential number. DCN's created at the device level should embed the assigned device ID. When the sequential number reaches its upper limit, the sequential number will automatically reset to "00" if used in conjunction with a device ID or "0000" if not used in conjunction with a device ID.

2.801: FPS   FINGERPRINT SECTION NUMBER

The Fingerprint Section (FPS) Number is the primary key under which criminal data is stored within the RCMP. The NPS-NIST-ICD expects the FPS number in the external format

as a 1-to-6 digit numeric or a 1-to-6 digit numeric + a letter. RTID accepts leading zeroes within the FPS value. For example, FPS values 0456F, 00456F and 000456F are all treated by RTID as the equivalent of FPS 456F.

2.802: ADR   ADDRESS

This tag represents the individual's home address. This tag consists of sub-tags Apt./Unit # – Street #/Name, City, Province/State Code, Postal Code/Zip Code, County and Country Code. See Table A-4 in Appendix A for a list of province codes – only numeric province codes should be used. See Table A-5 in Appendix A for a list of state codes, all codes may be used for this tag. See Table A-6 in Appendix A for a list of country codes, all codes may be used for this tag.

Where a country code is specified, the Country sub-tag (if provided) must be the same as the corresponding code text description. If country code is 998 (Other), the Country sub-tag will not match the value in the code description in the Country table. Where Country Code = 998 is received, a free text entry is expected in the Country sub-tag.

If Country Code equals 124 (Canada) then the Province Code can only contain values 01 to 13 (Canadian Province). Otherwise an ERRT is returned.

If Country Code equals 840 (USA) then Province Code can only contain values 20 to 73 (US State). Otherwise an ERRT is returned.

If Country Code does not equal 124 or 840 then Province Code must be blank. Otherwise an ERRT is returned.

2.803: OCC   OCCUPATION & EMPLOYER NAME

This tag is populated with the type of occupation and the name of the employer or potential employer if used in a MAP transaction.

2.804: IRN   CONTRIBUTOR INDIVIDUAL REFERENCE NUMBER

This tag is an identifier that is used by the contributor to uniquely identify an individual. If supplied it is included on Civil Products returned to the subject or 3rd party.

2.806: NAME PRIMARY NAME

This tag is populated with the individual's primary name (Surname, Given Name 1, Given Name 2, Given Name 3, and Given Name 4). The allowable special characters must not be in the first or last position in any sub-tag of Primary Name.

Subject given names must be populated in order from 1 to 4 with no intervening blank or empty fields allowed. For example, when Given Name 3 is encoded, RTID requires or Given Name 1 and Given Name 2 to be encoded as well.

If this tag is being used in a MAP transaction with the Application Type "NAME CHANGE" (Application Code 50), indicate the new name in this tag.

2.807: SEX   SEX

This tag is used to report the individual's gender. For transgender individuals or individuals where gender is not certain choose "UNKNOWN". The entry is a single character selected from the following table.

Table 4-1: 2.807 – Sex Codes		
Code	**English Description**	**French Description**
M	MALE	MASCULIN
F	FEMALE	FEMININ
U	UNKNOWN	INCONNU

2.808: HAI   HAIR COLOUR

This tag is used to indicate the subject's colour of hair. The entry is a two digit code from the following table.

Table 4-2: 2.808 – Hair Colour Codes		
Code	**English Description**	**French Description**
00	UNKNOWN	INCONNU
01	BALD	CHAUVE
02	BLACK	NOIR
03	BLONDE	BLOND
04	BROWN	BRUN
05	GREY	GRIS
06	RED	ROUX
07	WHITE	BLANC

2.809: EYE   EYE COLOUR

This tag is used to indicate the individual's eye colour. Two eye colour choices are allowed if the eyes are different colours. In such case, the colour of the left eye shall be entered first. The eye code from the following table shall be used.

Table 4-3: 2.809 – Eye Colour Codes		
Code	**English Description**	**French Description**
A	BROWN	BRUN
D	GREY	GRIS
G	GREEN	VERT
H	HAZEL	NOISETTE
K	BLACK	NOIR

Table 4-3: 2.809 – Eye Colour Codes

Code	English Description	French Description
M	MAROON	MARRON
W	BLUE	BLEU
U	UNKNOWN	INCONNU

2.810: HGT   HEIGHT

This tag is used to indicate the individual's height in centimeters. Valid height range shall be 91 to 251 cm. No decimal points shall be used. Enter 0 if the height is unknown.

2.811: WGT   WEIGHT

This tag is used to indicate the individual's weight in kilograms. Valid weight range shall be 23 to 227 kg. No decimal points shall be used. Enter 0 if the weight is unknown.

2.814: RACE RACE DESCENT

This tag is used to indicate the observable race of the individual. The race code from the following table shall be used.

Table 4-4: 2.814 – Race Codes

Code	English Description	French Description
W	WHITE	BLANC
N	NON-WHITE	NON-BLANC
U	UNKNOWN	INCONNU

2.815: POB   PLACE OF BIRTH

This tag is used to indicate the individual's Place of Birth.

Table 4-5: 2.815 – Place of Birth Codes

Code	English Description	French Description
A	U.S.A.	ETATS-UNIS
B	BRITISH COLUMBIA	COLOMBIE-BRITANNIQUE
E	EUROPE	EUROPE
F	NEWFOUNDLAND AND LABRADOR	TERRE-NEUVE ET LABRADOR
H	NEW BRUNSWICK	NOUVEAU-BRUNSWICK
K	UNITED KINGDOM	ROYAUME-UNI
L	OTHER	AUTRE
M	MANITOBA	MANITOBA
O	ONTARIO	ONTARIO

Table 4-5: 2.815 – Place of Birth Codes

Code	English Description	French Description
P	PRINCE EDWARD ISLAND	ILE-DU-PRINCE-EDOUARD
Q	QUEBEC	QUEBEC
S	SASKATCHEWAN	SASKATCHEWAN
T	NORTHWEST TERRITORIES, YUKON, NUNAVUT	TERRITOIRES DU NORD-OUEST, YUKON, NUNAVUT
U	ALBERTA	ALBERTA
Z	NOVA SCOTIA	NOUVELLE-ECOSSE
N	UNKNOWN	INCONNU

2.816: FLG   CAUTION FLAGS

This tag is used to indicate if caution should be exercised when dealing with an individual.

Table 4-6: 2.816 – Caution Codes

Code	English Description	French Description
E	ESCAPE CUSTODY	HISTOIRE DE FUITE
F	VIOLENCE	VIOLENT
S	ATTEMPTED SUICIDE	TENTATIVE DE SUICIDE

2.817: CTR   RESPONSE TO AGENCY IDENTIFIER

This tag can optionally contain the Agency Identifier (ORI) of another organization that is authorized to receive results from a tenprint search or tenprint enrolment transaction. The rules surrounding tag usage are specific to the transaction type (TOT) and appear as notes in the Type-2 record layout for the applicable TOTs. To begin with, this tag is being implemented for MAP transactions in support of the RCMP Civil Screening Modernization (CSM) initiative. Refer to the Best Practices for the Implementation of Civil Electronic Capture Devices Workflows document for further information.

2.818: YPF   YOUNG PERSON FLAG

This flag is set only when at least one of the charges encoded on the CAR Y satisfies the definition below of a young person. The rules to determine whether an individual should be considered a young person are subject to change. In general anyone between 12 and less than 18 years of age when they commit a crime is considered a Young Person (YP).

Note: If there is any doubt about the individual's age, then the fingerprints should be submitted for search. It is the contributor's responsibility to verify the age of the individual.

The Young Person Flag is set to "J" if the individual is a Young Person.

An individual charge (tag 2.829) may contain a Young Person Flag. If the individual is between 12 and less than 18 years of age for any charge, then set the Young Person flag to "J". The individual is then considered a Young Person for the entire transaction. For example, if the Offence Date of any charge (in tag 2.829) minus (–) DOB (tag 2.8022) is less than 18 years, then the Young Person flag of the charge should be set to "J" and the Young Person Flag (tag 2.818) should also be set to "J".

2.819: LGF   LANGUAGE FLAG

This tag denotes the language of the transaction "E" for English and "F" for French.

The language must be consistent throughout the transaction with the value of this flag. It is not permissible to mix French and English in the same transaction.

2.822: CPX   COMPLEXION

This tag describes the complexion of the individual. The following table lists the acceptable values.

Table 4-7: 2.822 – Complexion Codes		
Code	**English Description**	**French Description**
0001	MEDIUM	MOYEN
0002	LIGHT OR FAIR	PALE
0003	DARK	FONCE
0004	ACNE	ACNE
0005	ALBINO	ALBINOS
0006	FRECKLED	TACHE DE ROUSSEUR
0007	MOLES	GRAIN DE BEAUTE
0008	OLIVE	OLIVE
0009	POCKMARKED	VISAGE GRELE
0010	RUDDY	ROUGEATRE
0011	SALLOW	JAUNATRE
9999	UNKNOWN	INCONNU

2.823: MKS   MARKS, SCARS, TATTOOS

This tag indicates any scars, marks, and tattoos on an individual. It is made up of a code from the mark/scar table, a code from the body location table and a free-text description. The most visible ones should be entered first (for example any marks/scars/tattoos that aren't hidden by clothing) followed by the less visible ones.

Note: Piercing, identical twin, speech impediments and others should be entered with a mark/scar/tattoo code of P (peculiarity), with a body location code of 000 (No body area involved) and then a description entered, if applicable.

Table 4-8: 2.823 "A" – Mark, Scar, Tattoo Codes

Code	English Description	French Description
A	AMPUTATED	AMPUTATION
B	BREAK	FRACTURE
D	DEFORMITY	DIFFORMITES
F	FOREIGN SUBSTANCE	CORPS ETRANGER
M	MARK	MARQUE
P	PECULIARITY	TRAIT CARACTERISTIQUE
S	SCAR	CICATRICE
T	TATTOO	TATOUAGE
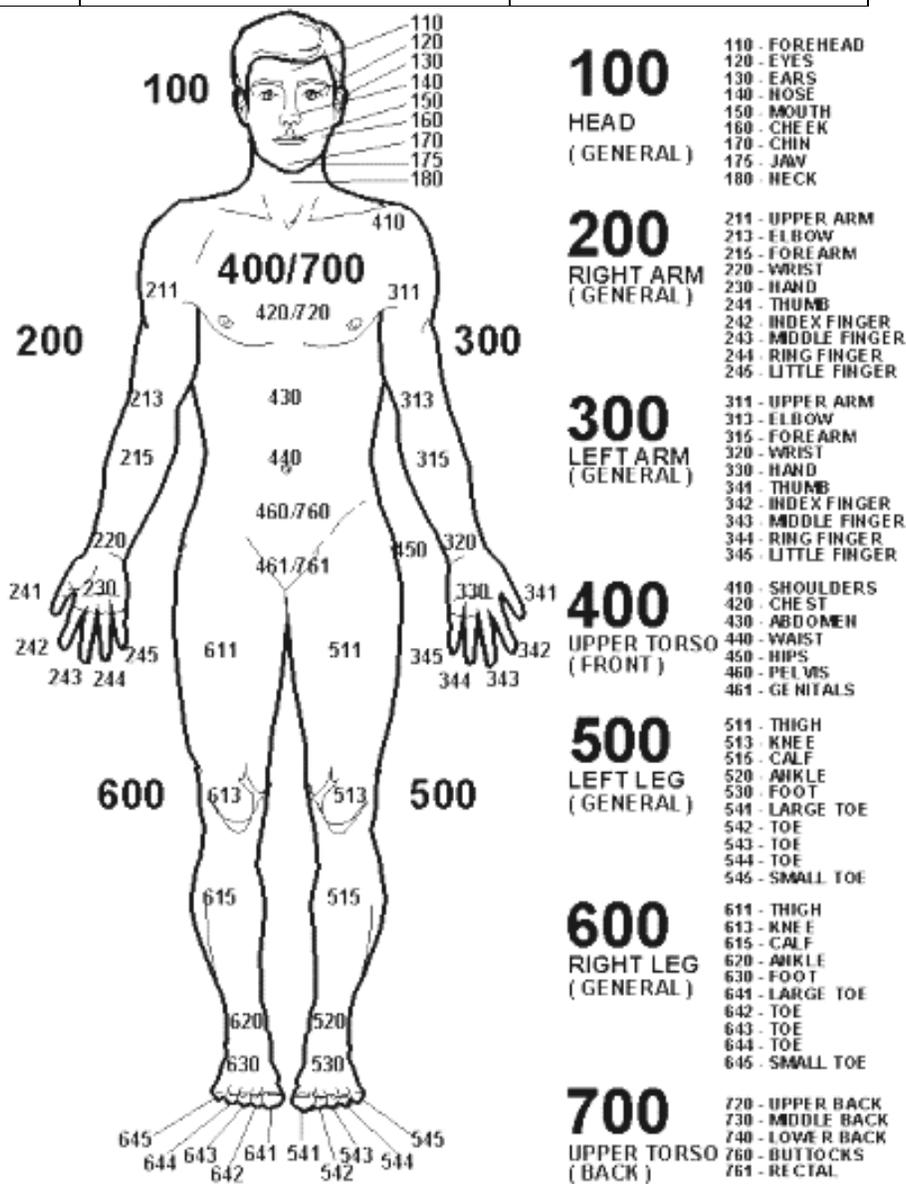
Figure 4-1: Body Location Codes

	Table 4-9: 2.823 "B" – Body Location Codes	
Code	**English Description**	**French Description**
000	NO BODY AREA INVOLVED	PAS DE PARTIE DU CORPS CONCERNEE
100	HEAD (GENERAL)	TETE (GENERAL)
101	HEAD (RIGHT SIDE)	TETE (COTE DROIT)
102	HEAD (LEFT SIDE)	TETE (COTE GAUCHE)
103	HEAD (BACK)	TETE (ARRIERE)
110	FOREHEAD	FRONT
120	EYES (GENERAL)	YEUX (GENERAL)
121	EYE (RIGHT)	OEIL (DROIT)
122	EYE (LEFT)	OEIL (GAUCHE)
130	EARS (GENERAL)	OREILLES (GENERAL)
131	EAR (RIGHT)	OREILLE (DROITE)
132	EAR (LEFT)	OREILLE (GAUCHE)
140	NOSE (GENERAL)	NEZ (GENERAL)
141	NOSTRIL (RIGHT)	NARINE (DROITE)
142	NOSTRIL (LEFT)	NARINE (GAUCHE)
150	MOUTH	BOUCHE
151	LIP (UPPER)	LEVRE (SUPERIEURE)
152	LIP (LOWER)	LEVRE (INFERIEURE)
153	TONGUE	LANGUE
160	CHEEK (GENERAL)	JOUE (GENERAL)
161	CHEEK (RIGHT)	JOUE (DROITE)
162	CHEEK (LEFT)	JOUE (GAUCHE)
170	CHIN	MENTON
175	JAW (GENERAL)	MACHOIRE (GENERAL)
176	JAW (RIGHT)	MACHOIRE (DROITE)
177	JAW (LEFT)	MACHOIRE (GAUCHE)
180	NECK (GENERAL)	COU (GENERAL)
181	NECK (RIGHT)	COU (DROIT)
182	NECK (LEFT)	COU (GAUCHE)
183	NECK (FRONT)	COU (FRONTAL)
184	NECK (BACK)	COU (ARRIERE)
200	ARM (RIGHT GENERAL)	BRAS (DROIT, GENERAL)
211	ARM (RIGHT UPPER)	HAUT DU BRAS (DROIT)
213	ELBOW (RIGHT)	COUDE (DROIT)
215	FOREARM (RIGHT)	AVANT-BRAS (DROIT)
220	WRIST (RIGHT)	POIGNET (DROIT)
230	HAND (RIGHT)	MAIN (DROITE)
241	THUMB (RIGHT)	POUCE (DROIT)
242	FINGER (RIGHT INDEX)	DOIGT (INDEX, DROIT)
243	FINGER (RIGHT MIDDLE)	DOIGT (MAJEUR, DROIT)
244	FINGER (RIGHT RING)	DOIGT (ANNULAIRE, DROIT)
245	FINGER (RIGHT LITTLE)	DOIGT (AURICULAIRE, DROITE)
300	ARM (LEFT GENERAL)	BRAS (GAUCHE, GENERAL)

Table 4-9: 2.823 "B" – Body Location Codes

Code	English Description	French Description
311	ARM (LEFT UPPER)	HAUT DE BRAS (GAUCHE)
313	ELBOW (LEFT)	COUDE (GAUCHE)
315	FOREARM (LEFT)	AVANT-BRAS (GAUCHE)
320	WRIST (LEFT)	POIGNET (GAUCHE)
330	HAND (LEFT)	MAIN (GAUCHE)
341	THUMB (LEFT)	POUCE (GAUCHE)
342	FINGER (LEFT INDEX)	DOIGT (INDEX, GAUCHE)
343	FINGER (LEFT MIDDLE)	DOIGT (MAJEUR, GAUCHE)
344	FINGER (LEFT RING)	DOIGT (ANNULAIRE, GAUCHE)
345	FINGER (LEFT LITTLE)	DOIGT (AURICULAIRE, GAUCHE)
400	TORSO (UPPER FRONT SIDE)	HAUT DU TORSE (DEVANT)
410	SHOULDERS (GENERAL)	EPAULES (GENERAL)
411	SHOULDER (RIGHT)	EPAULE (DROITE)
412	SHOULDER (LEFT)	EPAULE (GAUCHE)
420	CHEST	POITRINE
421	CHEST (RIGHT)	POITRINE (DROIT)
422	CHEST (LEFT)	POITRINE (GAUCHE)
430	ABDOMEN (GENERAL)	ABDOMEN (GENERAL)
431	ABDOMEN (RIGHT)	ABDOMEN (DROIT)
432	ABDOMEN (LEFT)	ABDOMEN (GAUCHE)
440	WAIST	TAILLE
450	HIPS (GENERAL)	HANCHES (GENERAL)
451	HIP (RIGHT)	HANCHE (DROITE)
452	HIP (LEFT)	HANCHE (GAUCHE)
460	PELVIS (GENERAL)	BASSIN (GENERAL)
461	GENITALS	ORGANES GENITAUX
465	PELVIS (RIGHT)	BASSIN (DROIT)
466	PELVIS (LEFT)	BASSIN (GAUCHE)
500	LEG (LEFT GENERAL)	JAMBE (GAUCHE, GENERAL)
511	THIGH (LEFT)	CUISSE (GAUCHE)
513	KNEE (LEFT)	GENOU (GAUCHE)
514	SHIN (LEFT)	TIBIA (GAUCHE)
515	CALF (LEFT)	MOLLET (GAUCHE)
520	ANKLE (LEFT)	CHEVILLE (GAUCHE)
530	FOOT (LEFT)	PIED (GAUCHE)
541	TOE (LEFT BIG)	ORTEIL (GROS, GAUCHE)
542	TOE (LEFT SECOND)	ORTEIL (DEUXIEME, GAUCHE)
543	TOE (LEFT MIDDLE)	ORTEIL (TROISIEME, GAUCHE)
544	TOE (LEFT FOURTH)	ORTEIL (QUATRIEME, GAUCHE)
545	TOE (LEFT LITTLE)	ORTEIL (PETIT, GAUCHE)
600	LEG (RIGHT GENERAL)	JAMBE (DROITE, GENERAL)
611	THIGH (RIGHT)	CUISSE (DROITE)
613	KNEE (RIGHT)	GENOU (DROIT)
614	SHIN (RIGHT)	TIBIA (DROIT)

Table 4-9: 2.823 "B" – Body Location Codes		
Code	**English Description**	**French Description**
615	CALF (RIGHT)	MOLLET (DROIT)
620	ANKLE (RIGHT)	CHEVILLE (DROITE)
630	FOOT (RIGHT)	PIED (DROIT)
641	TOE (RIGHT BIG)	ORTEIL (GROS, DROIT)
642	TOE (RIGHT SECOND)	ORTEIL (DEUXIEME, DROIT)
643	TOE (RIGHT MIDDLE)	ORTEIL (TROISIEME, DROIT)
644	TOE (RIGHT FOURTH)	ORTEIL (QUATRIEME, DROIT)
645	TOE (RIGHT LITTLE)	ORTEIL (PETIT, DROIT)
700	TORSO (UPPER BACK SIDE)	HAUT DU TORSE (DOS)
720	BACK (UPPER GENERAL)	DOS (HAUT, GENERAL)
721	BACK (UPPER RIGHT)	DOS (HAUT, COTE DROIT)
722	BACK (UPPER LEFT)	DOS (HAUT, COTE GAUCHE)
730	BACK (MIDDLE)	DOS (MILIEU)
731	BACK (MIDDLE RIGHT)	DOS (MILIEU, COTE DROIT)
732	BACK (MIDDLE LEFT)	DOS (MILIEU, COTE GAUCHE)
740	BACK (LOWER GENERAL)	BAS DU DOS (GENERAL)
741	BACK (LOWER RIGHT)	DOS (BAS, COTE DROIT)
742	BACK (LOWER LEFT)	DOS (BAS, COTE GAUCHE)
760	BUTTOCKS (GENERAL)	FESSES (GENERAL)
761	RECTAL	RECTUM
762	BUTTOCK (RIGHT)	FESSE (DROITE)
763	BUTTOCK (LEFT)	FESSE (GAUCHE)
999	UNKNOWN	INCONNU

2.824: OTN   OTHER NAMES/ALIAS

This tag is made up of other names that are associated with the individual. These names could be a maiden name, former name (if they changed their names) nicknames, street names, etc. This tag is made up of surname, given name 1, given name 2, given name 3, and given name 4. Each additional name should be entered as a separate occurrence within the tag. The allowable special characters must not be in the first or last position in any sub-tag of Other Names/Alias.

Subject given names must be populated in order from 1 to 4 with no intervening blank or empty fields allowed. For example, when Given Name 3 is encoded, RTID requires or Given Name 1 and Given Name 2 to be encoded as well.

When submitting a MAP transaction of Application Type "NAME CHANGE" (application code 50), the previous name must be provided in this tag. If this tag is not provided in a Name Change Application, the transaction will be rejected.

2.826: NTS   NOTEPAD MESSAGE

This tag is made up of the Date/Time *(DT)*, the name of the person who updated the Notepad record (*AuthorName*), and a text box. The Date/Time is in the format *CCYYMMDDhhmmss.* All sub-tags are mandatory.

Notes:

- The *Date/Time* and the *AuthorName* should be automatically populated by the contributor system. That is, the user at the contributor site should not have to populate *Date/Time* and *AuthorName*.

- This tag should only be used when the user must clarify anything in the transaction. If there is any data that is too big for a tag or the user doesn't know what to do with it then they should enter it in the notepad message.

2.827: NMG   NARRATIVE MESSAGE

This tag should only be used to clarify information about the transaction when necessary. If there is any data that extends beyond the maximum length of a tag, then the user should enter this information in the narrative message. For example, if a surname is greater than 24 characters, then the first 24 characters should be entered in the Primary Name (tag 2.806) and then the full name entered in the narrative message tag. It may also use to provide the fingerprint bureau with instructions such as the Officer number and call back numbers.

This tag may be included in the SRE to allow the RCMP to return a free-format message back to the contributor.

2.829: CHG   CHARGE INFORMATION

This tag is specific to the CAR Y transaction type and contains information about one or more charges laid in court against an individual. A CAR Y transaction can only be submitted to the RCMP once the charges are laid; submission of the CAR Y transaction signifies the contributor has confirmed the charges have been laid.

Each occurrence of Charge Information describes a Charge laid against the individual and is comprised of 24 sub-tags:

1. Charge Number

2. Offence Date

3. Investigating Agency

4. Occurrence Number

5. Number of Counts

6. Young Person Flag

7.   Court Information Number

8.   Statute Code of the charge

9.   Section Number of the charge

10. Wording Number

11. Section Number of an Attempt or Conspiracy

12. Charge Status Flag

13. Free Form Flag

14. Charge Description 1

15. Charge Description 2

16. Charge Description 3

17. Charge Description 4

18. Charge Description 5

19. Charge Description 6

20. Charge Description 7

21. Offence Information Code

22. Victim Age Group Code

23. Victim Sex Code

24. Publication Ban Indicator

Data definitions for the above sub-tags can be found in section 5.2 Type-2 Logical Record: Criminal Tenprint Transaction (CAR Y).

The following table defines the set of Statute Codes currently supported by RTID for a charge.

Table 4-10: 2.829 Sub-tag #8 – Statute Codes		
Code	**English Description**	**French Description**
C	CRIMINAL CODE	CODE CRIMINEL
D	CONTROLLED DRUGS AND SUBSTANCES ACT	LOI RÉGLEMENT CERTAINES DROGUES ET AUTRES SUBSTANCES
E	EXCISE ACT	LOI SUR L'ACCISE
F	FOOD AND DRUGS ACT	LOI SUR LES ALIMENTS ET DROGUES

Table 4-10: 2.829 Sub-tag #8 – Statute Codes

Code	English Description	French Description
I	IMMIGRATION ACT	LOI SUR L'IMMIGRATION
J	YOUTH CRIMINAL JUSTICE ACT	LOI SUR SJP POUR ADOLESCENTS
M	IMMIGRATION AND REFUGEE PROTECTION ACT	LOI SUR L'IMMIGRATION ET PROTECTION DES RÉFUGIÉS
N	NARCOTIC CONTROL ACT	LOI SUR LES STUPÉFIANTS
O	OTHER FEDERAL STATUTE	AUTRE LOIS FÉDÉRALE
P	COPYRIGHT ACT	LOI SUR LE DROIT D'AUTEUR
U	CUSTOMS ACT	LOI SUR LES DOUANES
X	EXCISE ACT 2001	LOI DE 2001 SUR L'ACCISE
Y	YOUNG OFFENDERS ACT	LOI SUR JEUNES CONTREVENANTS

Note: The Immigration Act, Narcotic Control Act and the Young Offenders Act are no longer in force of law, however, charges for the same continue to be found in the Federal Statutes Table as expired provisions.

The first data sub-tag of each occurrence contains a Charge Number, which is numbered sequentially starting at 001 and incremented by 1 for each subsequent occurrence (i.e., 001, 002, 003 and so on). In most cases, each occurrence shall contain a Statute Code, Section Number and Wording Number that is found through a look-up in the NPS-NIST Federal Statutes Table. This table must be used by CAR Y contributors whenever possible to obtain the standard NPS charge description. The Comma-Separated Value (CSV) export file specification for the Federal Statutes Table can be found in Table A-7 of Appendix A of this document.

Various rules shall be applied when Criminal Information is reported in the CAR Y transaction. An indictable or hybrid charge must be present in the transaction in order for a straight summary charge to be accepted. If a transaction is received with only a straight summary charge the transaction will be rejected.

The offence date cannot be after the arrest date or date fingerprinted otherwise the submission will be rejected.

When a particular Statute Code/Section Number combination cannot be found or a suitable description of the offence is not available in the table, the charge can be encoded as a free-form text entry. In this circumstance, the free-form charge is encoded with Statute Code and from 1 to 7 lines of free-form text to describe the offence. **All Free Format charge entries are subject to review by the RCMP and may result in the return of a tenprint error condition within an ERRT transaction if it is determined there is a suitable charge occurrence available in the NPS Federal Statutes Table or when the free-form description is not sufficiently clear and complete.** See Free Format Rules below for more information.

A) NPS-NIST FEDERAL STATUTES TABLE:

The most common federal statutes and statute section numbers under which an individual may be charged are found in the NPS-NIST Federal Statutues Table. The values found within it are subject to change, as legislative changes may introduce the need to amend, add, or expire certain sections within a statute. Each charge occurrence within the table contains a Statute Code, Section Number, Wording Number and Proclamation Date. Proclamation Date is the date on which the Statute, Section Number and wording for that entry came into law or was amended. Every entry within the table also has an Expiry Date. When the Statute, Section Number or Wording Number is amended, repealed or ceases to exist, an Expiry Date shall be used to expire a particular occurrence.

It is mandatory that contributors use the latest version of the NPS-NIST Federal Statutes Table without making local amendments to it. To the extent possible, Statute code, Section Number, Wording Number and Wording Descriptions reported in 2.829 Charge Information shall be taken directly from the NPS-NIST Federal Statutues Table; inconsistencies found in captured Charge Information may be returned by the RTID system to the contributor as an ERRT error transaction.

OFFENCE DATE RULES:

Where the Federal Statutes Table is used to choose an entry, the Statute Code, Section Number and Wording Number selected must be one that is in effect on the date on which the offence was committed. That is, the Offence Date associated to the Statute Code, Section Number and Wording Number selected must be between the entry's associated Proclamation Date and the Expiry Date.

Example:

On December 12, 1988, it was proclaimed that those charged with "Possession of a Weapon" would be charged under Section 87 of the Criminal Code. On December 1, 1998, that law was rescinded, and it was proclaimed that those charged with "Pointing a firearm" would be charged under Section 87 of the Criminal Code, and those charged with "Possession of a Weapon" would be charged under Section 88 of the Criminal Code. As a result of these proclamations and subsequent changes in the law, the following type of information would have been captured in the Federal Statutes Table:

Table 4-11: 2.829 "A" – Charge Proclamation & Expiry Date				
Section Number	**Statute**	**Wording**	**Proclamation Date**	**Expiry Date**
87	Criminal Code	Possession of a weapon	19881212	19981201
87	Criminal Code	Pointing a firearm	19981201	20500101
88	Criminal Code	Possession of a weapon	19981201	20500101

Note: All instances where the entry is still valid and in effect have an Expiry Date of 20500101 (January 1, 2050) or 20501010 (October 10, 2050).

Based on the above Federal Statutes Table entries, a person charged with "Possession of a Weapon" where the Date of Offence was January 1990 would be charged under Section Number 87 of the Criminal Code. A person charged with "Possession of a Weapon" where the Date of Offence was January 1999 would be charged under Section 88 of the Criminal Code.

FREE FORMAT RULES:

Only when a valid combination of Statute, Section Number and Wording Number cannot be found in the NPS-NIST Federal Statutes Table, the user is allowed to enter a charge in "free format" on up to 7 lines of text. Each line is 26 characters in length. The first line is mandatory. The last line on which text is to appear should always contain the following:

"SEC" + actual section number + Statute Identifier.

Examples:

No person shall make false representation for the purpose of obtaining a Canadian aviation document Sec 7.3(1) Aeronautics Act.

Preferred Coding Format:

Line 1: NO PERSON SHALL MAKE FALSE

Line 2: REPRESENTATION FOR THE

Line 3: PURPOSE OF OBTAINING A

Line 4: CANADIAN AVIATION DOCUMENT

Line 5: SECTION 7.3(1) AERONAUTICS ACT

Note: The use of Free Format encoding to enter charge information when a suitable standard is available in the NPS-NIST Federal Statutes Table can result in an ERRT being returned to the contributor by the RTID system.

MANDATORY PROVISION OF SECTION NUMBER AND STATUTE:

The same Section Number may be used within a different Statute. Where such is the case, the wording and meaning of the Section will be completely different. The user must always specify the Statute under which the Section falls.

Example:

Two occurrences of Section 155 exist, one under the Customs Act, the other under the Criminal Code. They are as follows:

"UNLAWFUL POSSESSION OF IMPORTED GOODS SEC 155 CUSTOMS ACT"

and

"INCEST SEC 155 CC"

MULTIPLE CHARGE WORDINGS:

One Statute/Section Number combination may have several wordings associated with it. The user must select, in such cases, the wording that is applicable to the charge in question.

Example 1:

Four separate wordings are available under Section 103 of the Criminal Code. They are as follows:

1. "EXPORTING A FIREARM, PROHIBITED OR RESTRICTED WEAPON, PROHIBITED DEVICE OR AMMUNITION KNOWING IT IS UNAUTHORIZED SEC 103 CC";

2. "EXPORTING COMPONENTS OR PARTS FOR USE IN THE MAKING OF AUTOMATIC FIREARMS KNOWING IT IS UNAUTHORIZED SEC 103 CC";

3. "IMPORTING A FIREARM, PROHIBITED OR RESTRICTED WEAPON, PROHIBITED DEVICE OR AMMUNITION KNOWING IT IS UNAUTHORIZED SEC 103 CC"; and

4. "IMPORTING COMPONENTS OR PARTS FOR USE IN THE MAKING OF AUTOMATIC FIREARMS KNOWING IT IS UNAUTHORIZED SEC 103 CC".

Example 2:

Four separate wordings are available under Section 342(1)(C) of the Criminal Code. Note that not all Proclamation Dates associated to these wordings are the same. They are as follows:

1. "SEC 342(1)(C) CC TRAFFIC IN A CREDIT CARD";

2. "SEC 342(1)(C) CC POSS OF A CREDIT CARD";

3. "SEC 342(1)(C) CC USE OF CREDIT CARD"; and

4. "SEC 342(1)(C) CC DEAL WITH A CREDIT CARD OBTAINED BY CRIME".

CHARGES INVOLVING AN OFFENCE AND PUNISHMENT:

Federal Statutes Table occurrences can be comprised of two Section Numbers – one that references a Statute offence plus another that references the associated punishment.

Example:

- Section 322(1)(A) of the Criminal Code represents Theft where owner is deprived, temporarily or absolutely.

- Section 334(B)(II) of the Criminal Code represents Punishment for theft where a person is guilty of an offence punishable on summary conviction and the value of what is stolen does not exceed five thousand dollars.

  Multiple charge occurrences for the above are available to contributors. A selection can be from the Federal Statutes Table involving one of these Section Numbers:

- "SEC 322(1)(A) CC";

- "SEC 334(B)(II) CC"

- "SEC 322(1)(A) 334(B)(II) CC"

B) SUPPLEMENTAL OFFENCE INFORMATION:

Supplemental Offence information refers to sub-tags 21 to 24 of 2.829 Charge Information. These sub-tags are defined as follows:

21. Offence Information Code, as shown in Table 2.829'B',

22. Victim Age Group Code, as shown in Table 2.829'C'.

23. Victim Sex Code, as shown in Table 2.829'D',

24. Publication Ban Indicator. Valid values are 0 (No) or 1 (Yes). Default is 0.

Supplemental Offence Information related to a charge should be supplied to the extent possible.

Victim Age Group code is mandatory when Offence Information *Code* is equal to "C".

Victim Sex Code is mandatory when Offence Information Code is equal to "C".

Publication Ban Indicator can be encoded for any occurrence of Offence Information.

Table 4-12: 2.829 "B" – Sub-tag #21 – Offence Information Codes		
Code	**English Description**	**French Description**
C	CHILD SEX OFFENDER	AGRESSION SEXUELLE D'ENFANT
R	SEX RELATED	INFRACTION SEXUELLE
A	SPOUSAL ASSAULT	VIOLENCE CONJUGALE
O	OTHER FAMILY VIOLENCE	AUTRE TYPE DE VIOLENCE FAMILIALE

Table 4-13: 2.829 "C"– Sub-tag #22 – Victim Age Group Codes		
Code	**English Description**	**French Description**
A	0-1	0-1
B	2-3	2-3
C	4-5	4-5
D	6-8	6-8
E	9-11	9-11
F	12-13	12-13
G	14-15	14-15
H	16-17	16-17
U	UNKNOWN	INCONNU

Table 4-14: 2.829 "D" – Sub-tag #23 – Victim Sex Codes		
Code	**English Description**	**French Description**
F	FEMALE	FEMININ
M	MALE	MASCULIN
B	BOTH	TOUS
U	UNKNOWN	INCONNU

2.831: CGV   FEDERAL STATUTES TABLE VERSION NUMBER

This tag identifies the Federal Statutes Table version that the contributor is using, as supplied by RCMP-NPS. New versions are normally distributed to CAR Y contributors two or three times annually. Upon release of a new version, the RCMP may provide notification of retirement of one or more older versions of the Federal Statutes Table. CAR Y transactions referring to an unsupported version number shall receive an ERRT response from RTID.

2.832: ITR   IMAGE TYPE REQUESTED

The image type is a codified value representing the rolled, plain and/or palm position to which the image pertains. If all images are desired, 00 should be used. See table below for code values.

Table 4-15: 2.832 – Image Type Requested Codes		
Code	**English Description**	**French Description**
00	ALL – ROLLED, PLAIN AND PALM	TOUT – ROULÉE, PLAQUÉE, PAUME
96	ALL PALM IMPRESSIONS	TOUTES LES EMPREINTES PALMAIRES
97	ALL ROLLED AND PLAIN IMPRESSIONS	TOUTES LES EMPREINTES ROULEES

2.833: LOR   LANGUAGE OF RESULT

In some cases, Criminal Record or Record Suspension information included in the search results of MAP civil transactions is provided in a language selected by the civil applicant. This tag is only applicable to certain Civil Application Types. See Table 4-18: 2.869 – MAP Application Types for details. Valid values are:

Table 4-16: 2.833 – Language of Result Codes		
Code	**English Description**	**French Description**
1	ENGLISH	ANGLAIS
2	FRENCH	FRANCAIS
3	AS IS	TEL QUEL

2.838: PYT   PAYMENT TYPE

This tag contains the code of the payment type of this transaction. The vendor will consult with the RCMP to determine which of these payment types are currently available. Bulk Billing is offered to authorized Agencies or Departments. The agency to be billed is identified by the Bulk Billing Agency Identifier (tag 2.849).

This tag is only required if the application type indicated in the transaction is fee based as per Table 4-18: 2.869. If this tag is included for an application that does not require a fee, the transaction will be rejected.

Table 4-17: 2.838 – Payment Type Codes		
Code	**English Description**	**French Description**
4	BULK BILLING	FACTURATION GLOBALE

2.849: BBID   BULK BILLING AGENCY IDENTIFIER

This tag contains the Identifier of the agency that will be billed for the request. The format is the same as the Originating Agency Identifier (tag 1.008). Only agencies authorized by the RCMP can use bulk billing payment type.

This tag is only required if the application type indicated in the transaction is fee based as per Table 4-18: 2.869. If this tag is included for an application that does not require a fee, the transaction will be rejected.

2.850: ATS   APPLICATION TYPE SPECIFY

This tag is a free text field and will capture the name of the organization for which the individual is volunteering or working and what they will be doing. Failure to provide this information may cause the transaction to be rejected.

2.851: DCR   DCN REFERENCE NUMBER

This tag is used to refer to the DCN of the requested fingerprint image(s).

2.852: RLP   REQUEST LIST OF PRINTS ON FILE (RESERVED FOR FUTURE USE)

This tag is used to allow the contributor to request all available prints from the RCMP's database for a given FPS number or Refugee File Number. Valid values are: Y for Yes and N for No.

2.853: LPF   LIST OF PRINTS ON FILE (RESERVED FOR FUTURE USE)

This tag is used to list all available prints from the RCMP's database for a given FPS number or Refugee File Number. The following information is included in this tag: Document Control Number, Date Fingerprinted, Overall Quality Measure, Palms Available Indicator, Image Resolution, and Originating Agency Identifier.

2.869: APT CIVIL APPLICATION TYPE

This tag identifies the reason for the civil fingerprint search. The following table of Application Types determines the cost payable to the RCMP for each application type. The contributor must only submit application types that they have been authorized to submit. The application sub-types must be provided as selections where indicated. The language option indicates that the application type should provide a choice of Language of Results (tag 2.833).

Where a fee is listed, payment tags 2.838 and 2.849 are required. If no fee is listed, payment tags 2.838 and 2.849 must not be included with the transaction.

Table 4-18: 2.869 – MAP Application Types Codes – English Description

Code	Language Option	Application type	Subtype Code	Subtype	Fee
7	YES	EMPLOYMENT (PRIVATE INDUSTRY)			$25.00
10	YES	PRIVACY ACT REQUEST (CMP-PPU-030)	1001	FOR SUSPENDED RECORD	0
			1002	FOR NON-CERTIFIED CRIMINAL INFORMATION	0
			1003	OTHER (PROVIDE DETAILS)	0
11	YES	ADOPTION (CDN/INTERNATIONAL)			$25.00
12	NO	PERMANENT RESIDENT STATUS			0
20	YES	EMPLOYMENT (PROVINCIAL GOVT)			$25.00
21	NO	EMPLOYMENT (FEDERAL GOVT)			0
22	YES	EMPLOYMENT (OTHER)			$25.00

Table 4-18: 2.869 – MAP Application Types Codes – English Description					
Code	Language Option	Application type	Subtype Code	Subtype	Fee
23	YES	RECORD SUSPENSION APPLICATION			$25.00
25	YES	VOLUNTEER EMPLOYMENT			0
26	NO	CANADIAN CITIZENSHIP			0
32	YES	VISA / BORDER CROSSING/ FOREIGN TRAVEL / WORK			$25.00
34	NO	EMPLOYMENT (POLICE)	3401	RCMP MEMBER	0
			3402	RCMP CIVILIAN MEMBER	0
			3403	CIVILIAN EMPLOYEE	0
			3404	CANADIAN POLICE FORCE	0
			3405	PROS USER	0
38	NO	FREE & SECURE TRADE (FAST*)			0
39	YES	OTHER (SPECIFY REASON)			$25.00
44	NO	NATIONAL SEX OFFENDER REGISTRY			0
50	NO	NAME CHANGE	5001	ALBERTA	$25.00
			5002	BRITISH COLUMBIA	$25.00
			5003	OTHER	$25.00

*FAST application type is restricted to authorized U.S. Agencies only

Table 4-19: 2.869 "A" – MAP Application Types Codes – French Description					
Code	Choix de Langue	Application Type	Subtype Code	Subtype	Cout
7	OUI	EMPLOI (INDUSTRIE PRIVEE)			25,00$
10	OUI	DEMANDE RELATIVE A LA LOI SUR LA PROTECTION DES RENSEIGNEMENTS PERSONNELS (CMP-PPU-030)	1001	POUR CASIER JUDICIAIRE SUSPENDU	0
			1002	POUR INFORMATION CRIMINELLE NON CERTIFIEE	0
			1003	AUTRE (DONNER DETAILS)	0
11	OUI	ADOPTION (CANADA-ETRANGER)			25,00$
12	NON	STATUT RESIDENT PERMANENT			0
20	OUI	EMPLOI (GOUV. PROVINCIAL)			25,00$
21	NON	EMPLOI (GOUV. FEDERAL)			0
22	OUI	EMPLOI (AUTRE)			25,00$
23	OUI	DEMANDE POUR SUSPENSION DU CASIER			25,00$
25	OUI	TRAVAIL BENEVOLE			0
26	NON	CITOYENNETE CANADIENNE			0

Table 4-19: 2.869 "A" – MAP Application Types Codes – French Description

Code	Choix de Langue	Application Type	Subtype Code	Subtype	Cout
32	OUI	VISA/PASSAGE FRONTALIER/VOYAGE A L'ETRANGER/TRAVAIL			25,00$
34	NON	EMPLOI (POLICE)	3401	MEMBRE DE LA GRC	0
			3402	MEMBRE CIVIL DE LA GRC	0
			3403	EMPLOI CIVIL	0
			3404	POLICE CANADIENNE	0
			3405	UTILISATEUR DU SIRP	0
38	NON	EXPEDITIONS RAPIDES ET SECURITAIRES (FAST)			0
39	OUI	AUTRE (PRECISER RAISON)			25,00$
44	NON	REPERTOIRE NATIONAL DES DELINQUANTS SEXUELS			0
50	NON	CHANGEMENT DE NOM	5001	ALBERTA	25,00$
			5002	COLOMBIE BRITANNIQUE	25,00$
			5003	AUTRE	25,00$

*FAST type d'application est limité aux autorisé Agences des États-Unis uniquement

2.870: VAO   VULNERABLE SECTOR CONSENT NUMBER ONE – AUTHENTICATION OBTAINED INDICATOR

For Civil MAP submissions, this tag is used to indicate that the biometric authentication has been obtained in the form of a plain impression. The only acceptable value for this tag is 1 (Yes). When consent is so indicated, the MAP submission must contain one Type-14 finger impression designated as the biometric consent image; see definition for tag 2.889 Biometric Consent Image Designator for additional details.

2.871: VCL   VOLUNTEER CONFIRMATION LETTER VERIFIED INDICATOR

This tag is used to indicate that a Volunteer Confirmation Letter has been witnessed by the person responsible for the transaction. The only acceptable value for this tag is 1 (Yes).

2.872: TPW   THIRD-PARTY WAIVER AUTHENTICATION OBTAINED INDICATOR

For Civil MAP submissions, this tag is used to indicate that the biometric authentication has been obtained in the form of a plain impression for the purpose of authorizing a Third-Party Waiver. The only acceptable value for this tag is 1 (Yes). When consent is so indicated, the MAP submission must contain one Type-14 finger impression designated as the biometric consent image; see the definition for tag 2.889 Biometric Consent Image Designator for additional details.

2.873: DIS   DETAILS OF INFORMATION SOUGHT

This tag is used to clarify what information is being requested. This tag becomes mandatory when the Application Type (tag 2.869) value selected is 10 (Privacy Act Request) with a subtype code of 1003 (Other).

2.874: SFBI   FBI SEARCH REQUEST

This tag is used to request an FBI fingerprint search. "Y" is the only acceptable value for this tag.

Note: The RCMP has the right not to proceed with a FBI fingerprint search request. If the contributor is not authorized to request FBI fingerprint searches then the FBI search request will be rejected.

2.875: RRES RCMP-NPS RESULTS

This tag is included in a search response transaction returned to the contributor. If set to "Y", the search response contains the results from a search of RTID. If set to "N", the response contains the result of a foreign search.

If this tag is set to "N" in an ERRT that has been returned by the RCMP, it signifies that a foreign search request has been rejected. In such case, if an ERRT containing a "Y" in this field has not been received, the transaction in undergoing search processing and an SRE will be returned.

Refer to section 2.2.6 for detailed explanation of transaction resubmission to correct errors.

Table 4-20: 2.875 – RCMP-NPS Results Codes		
Code	**English Description**	**French Description**
Y	Yes	Oui
N	No	Non

2.876: USS   US STATES TO SEARCH

This tag allows a contributor to request a fingerprint search of specific US States. See Table A-5 in Appendix A for a list of state codes, all codes identified in the US States to Search column may be used for this tag. In order for a State search to proceed, the transaction must request an FBI Search as well (see 2.874).

Note: The RCMP has the right not to proceed with a US States fingerprint search request. If the contributor is not authorized to request a US States search or the reason for the search is not acceptable then the US States search request will be rejected.

2.883: COB   CITY OF BIRTH

This tag names the city or municipal area where the individual was born.

2.884: POE   PORT OF ENTRY

This tag names the location where the individual entered into Canada.

2.885: DOE   DATE OF ENTRY

This tag provides the date that the individual entered Canada. Enter a value of "00000000" if the Date of Entry is not known. A partial date of entry may also be entered with the year being mandatory and zeros for the month and day. For example a partial date of entry is entered as "19650000".

2.886: RID   REFUGEE FILE NUMBER

This tag is the primary key that is used to store legacy Refugee files within RTID. The refugee file number assigned by RTID is formatted as follows:

33000NNNNNNN

where NNNNNNN is a 7-digit number.

RTID has discontinued issuance of new Refugee numbers as of January 2015; new Refugees are now installed into the Immigration Subject repository.

2.887: CIC   CBSA/CIC OFFICE NUMBER

This agency number represents a regional CBSA/CIC office and is assigned by Citizenship and Immigration Canada.

2.888: FOSS FIELD OPERATIONAL SUPPORT SYSTEM NUMBER

This identifier is assigned by CBSA/CIC to a subject of interest for Immigration purposes.

CIC and CBSA are transitioning from the FOSS to the Global Case Management System (GCMS). The identifier numbers are identical in format and there will be identifier numbers created in both FOSS and GCMS that are unique across both systems.

2.889: BCID   BIOMETRIC CONSENT IMAGE DESIGNATOR

This tag represents the Image Designator number of the Type-14 record that holds the plain impression for the biometric consent.

2.891: ISR   INTERNATIONAL SEARCH REQUEST

This tag is used to request a fingerprint search of International Countries. "Y" is the only acceptable value for this tag.

Note: The RCMP has the right not to proceed with an International fingerprint search request. If the contributor is not authorized to request an International fingerprint search or the reason for the search is not acceptable then the International search request will be rejected.

2.892: IRP   INTERNATIONAL COUNTRIES TO SEARCH

This tag contains a list of one or more country codes where the contributor requests a search to be performed.

See Table A-6 in Appendix A for a list of recognized country codes. Country codes identified in the International Countries to Search column may be encoded within this tag. Certain countries do not accept a search request for civil screening purposes (on a MAP transaction type). Contact the RCMP for more information concerning countries supporting civil searches.

2.893: FQO   FINGERPRINT QUALITY OVERRIDE

If a fingerprint or set of fingerprints is of poor quality and there is no way to improve the quality, this tag will indicate which finger(s) cannot be clearly imaged. See Table A-1 in Appendix A for a list of codes for finger number; valid values are 01 to 15. Each Finger Number is described by an Override Reason Code as shown below.

Table 4-21: 2.893 – Override Reason Codes		
Code	**English Description**	**French Description**
01	RIDGE DETAIL INDISTINCT DUE TO INDIVIDUAL'S EMPLOYMENT	PARTICULARITES DES CRETES INDISTINCTES EN RAISON DE LA PROFESSION DE LA PERSONNE
02	RIDGE DETAIL INDISTINCT DUE TO AGE	PARTICULARITES DES CRETES INDISTINCTES EN RAISON DE L'AGE DE LA PERSONNE
03	RIDGE DETAIL INDISTINCT DUE TO SKIN CONDITIONS (ECZEMA, ICHTHYOSIS, WARTS, PSORIASIS, FROSTBITE, RIDGE ABERRATION)	PARTICULARITÉS DES CRÊTES INDISTINCTES EN RAISON DE L'ÉTAT DE LA PEAU (ECZÉMA, ICHTYOSE, VERRUE, PSORIASIS, ENGELURE, ANOMALIE DES CRÊTES)
04	FINGER TEMPORARILY INJURED AND CANNOT BE EASILY ROLLED	BLESSURE TEMPORAIRE AU DOIGT/DIFFICULTÉ À ROULER L'EMPREINTE
05	FINGER IS DEFORMED/PARALYZED AND CANNOT BE EASILY ROLLED	DIFFORMITÉ AU DOIGT/ PARALYSIE/ DIFFICULTÉ À ROULER L'EMPREINTE
06	FINGER IS PARTIALLY AMPUTATED	DOIGT PARTIELLEMENT AMPUTÉ

Table 4-21: 2.893 – Override Reason Codes

Code	English Description	French Description
07	FINGER IS PERMANENTLY SCARRED OR BURNED	CICATRICE OU BRÛLÛRE PERMANENTE AU DOIGT
99	OTHER	AUTRE

2.894: FER   FOREIGN SEARCH REASON

This tag will indicate the reason why a foreign search has been requested. Enter as much detail as possible. If there is insufficient justification for the foreign search then it may be rejected.

2.896: ACS   AUTHORITY FOR CANADIAN SEARCH

The tag represents the legal authority under which the fingerprints were taken. See the table below for valid Search Reasons.

Table 4-22: 2.896 – Authority for Canadian Search Codes

Code	English Description	French Description
1	Criminal Code – FOR IDENTIFICATION PURPOSES	CODE CRIMINEL – A DES FINS D'IDENTIFICATION
2	IMMIGRATION AND REFUGEE PROTECTION ACT	LOI SUR L'IMMIGRATION ET LA PROTECTION DES REFUGIES
3	AMNESIA / LOSS OF CAPACITY / UNIDENTIFIED BODY	AMNÉSIE / CAPACITÉS RÉDUITES /CORPS NON IDENTIFIÉ
4	TAKEN WITH INFORMED CONSENT	PRÉLÈVEMENT AVEC CONSENTEMENT ÉCLAIRÉ
5	DECEASED OFFENDER NOTIFICATION	AVIS DE DÉCÈS DU CONTREVENANT

Note: If the subject is less than 18 years of age at the time of fingerprinting, then "Taken with 'Informed Consent' cannot be used as the authority for fingerprinting".

2.8005: RET   RETENTION CODE

This tag indicates whether the RCMP-NPS should retain the submitted fingerprint images and other demographic information. RCMP-NPS has the final retention decision regardless of the retention code setting, however transactions with a retention code = N are never retained. Each transaction has its own rules for determining the value of the retention code. "Y" or "N" are the only acceptable values for this tag.

Current retention codes are as follows:

Table 4-23: Retention Codes

Type Of Transaction	Retention Code
CAR RET Y	Y
CAR RET N	N
REF	Y
MAP (Application Types)	N

2.8011: NOK   NEXT OF KIN

This tag is used to indicate the name of the person's next of kin, the relationship of the next of kin to the person being fingerprinted and the address of the next of kin. This tag is broken up into the following sub-tags: Surname, Given Name 1, Given Name 2, Given Name 3, Given Name 4, Next of Kin Relationship and Next of Kin Address. The allowable special characters must not be in the first or last position in any sub-tag of the Next of Kin Name. To indicate the Next of Kin Relationship use the codes from the following table.

Table 4-24: 2.8011 – Next of Kin Relationship Codes

Code	English Description	French Description
1	FATHER	PERE
2	MOTHER	MERE
3	BROTHER	FRERE
4	SISTER	SOEUR
5	UNCLE	ONCLE
6	AUNT	TANTE
7	GRANDFATHER	GRAND-PERE
8	GRANDMOTHER	GRAND-MERE
9	SPOUSE	EPOUX (SE)
10	COMMON LAW	CONJOINT-DE-FAIT
11	NEPHEW	NEVEU
12	NIECE	NIECE
13	COUSIN	COUSIN(E)
14	SON	FILS
15	DAUGHTER	FILLE
16	NO RELATION	AUCUNE PARENTE
17	STEPFATHER	BEAU-PERE
18	STEPMOTHER	BELLE-MERE
19	GUARDIAN	TUTEUR
20	FOSTER PARENT	PARENT ADOPTIF
99	OTHER	AUTRES

2.8014: FBI   FBI FILE NUMBER

This tag contains the subject's FBI number as assigned by the FBI.

2.8022: DOB   DATE OF BIRTH

This tag contains the individual's date of birth. It is entered as an eight-digit number in the standard date format – CCYYMMDD. Partial dates are not acceptable for RET=Y transactions. If there is any doubt about the individual's age, then the fingerprints should be submitted for search. It is the contributor's responsibility to verify the age of the individual. For CAR N only, enter all zeros (00000000) if date of birth is unknown or uncertain.

2.8038: DPR   DATE FINGERPRINTED

This tag contains the date that the individual was fingerprinted. The format is the standard date format CCYYMMDD. Partial dates are not acceptable. The Date Fingerprinted cannot exceed the Date (tag 1.005) of the transaction.

2.8044: ESD   EFFECTIVE SEARCH DATE

This tag provides the date which a fingerprint search was completed by RTID.

2.8045: DOA   DATE OF ARREST

This tag specifies the date the individual was arrested. The format is the standard date format CCYYMMDD. Partial dates are not acceptable.

2.8046: SID   SUCCESS INDICATOR

This tag indicates whether an image fetch request was performed by RTID or not. Valid values are 1 for Yes and 0 for No.

2.8060: EMSG ERROR MESSAGE

This tag will contain the reason an error message was returned to the contributor. This tag is broken down into the following sub-tags: Error Code and Error Message. A list of Error Codes is available from the RCMP upon request.

2.8071: ACN   ACTION TO BE TAKEN

This tag may return information advising the contributor to take specific action, or inform the contributor of an action to be undertaken by the RCMP on the contributor's behalf.

2.8084: MFR   MISSING FINGERPRINT REASON

This tag is used to provide reasons why one or more expected fingerprint images are missing within a Tenprint transaction.

For a Tenprint transaction comprised of Type-4 rolled and plain finger images, when there are fewer than fourteen fingerprint images provided for finger position codes 01 to 14, the shortfall must be explained by populating missing fingerprint reason codes.

For an ID Flats transaction, when there are fewer than three composite images provided for finger position codes 13 to 15 or fewer than ten finger segment positions encoded for finger position codes 01 to 10, the shortfall must be similarly explained by populating missing fingerprint reason codes.

Unless a fingerprint is completely missing, the fingerprint should be taken regardless of the quality of the print. A partially scarred finger should be printed. A Missing Fingerprint Date may also be entered for each finger flagged as missing. Finger Position codes 01 to 15 and code descriptions can be found in Appendix A, Table A-1. The missing fingerprint reason codes are listed in Table 4-25: 2.8084A and Table 4-26: 2.8084B

Table 4-25: 2.8084A – Missing Fingerprint Reason Codes		
Code	**English Description**	**French Description**
XX	AMPUTATION	AMPUTATION
UP	BANDAGED	PANSEMENT
PL	PHYSICAL LIMITATIONS	LIMITES PHYSIQUES
FR	FOREIGN*	ETRANGER*

* Code FR (FOREIGN) is restricted by the RCMP for use by contributors located outside of Canada who are unable to comply with the NPS NIST image standards documented in this ICD version.

Table 4-26: 2.8084B – Missing Fingerprint Reasons Codes for Finger Position Codes 13 to 15		
Code	**English Description**	**French Description**
MI	MISSING IMAGE	IMAGE MANQUANTE

For ID Flats:

Whenever an image is normally required for any of finger position codes 13 (Plain Right Four Fingers), 14 (Plain Left Four Fingers) or 15 (Plain Left and Right Thumbs), the contributor must explain the absence of the image by entering "Missing Image" (MI) as the Missing Fingerprint Reason for the applicable finger position code.

If the subject has amputated or bandaged fingers that cannot be captured within one of the three ID Flat images, use finger position codes 01 to 10 to indicate which fingers are amputated or bandaged.

For example, if a subject has finger position 02 amputated, but all three ID Flats images can be obtained, a Missing Fingerprint Reason must be specified for finger position code 02 and all three ID Flats images are to be provided in the transaction.

If a subject has finger position 01 amputated and all three ID Flats images can be obtained, a Missing Fingerprint Reason must be specified for Finger Position 01 (and not position 11), and all three ID Flats images are to be provided in the transaction.

If the subject has a physical limitation such that an ID flat image cannot be obtained and the subject has all ten fingers (no amputations or bandaged), the contributor must enter "Physical Limitations" for each finger, and "Missing Image" for each missing ID Flat image.

Validation of MAP ID Flats

RTID will reject ID Flat transactions where a Type-14 record contains segmentation for a finger that is also included in the Missing Fingerprint Reason.

RTID will reject ID Flat transactions where the segmentation information in the Type-14 Record is missing for one or more finger segments yet the Missing Fingerprint Tag (2.8084) does not indicate that this finger is missing.

2.8105 CFR   COMPOSITE FETCH REQUEST

This tag is used to request the RCMP's best composite fingerprint set for a specified Fingerprint Section Number (FPS), Immigration File Number or Refugee File Number. When a composite is requested, the image collection type will depend on what is held by the RCMP for the file requested as follows:

- If the collection of fingerprints is composed of ID Flat images only, the composite returned will be ID Flats;

- If the collection of fingerprints is composed of Rolled and Plain images only, the composite returned will be Rolled and Plain; and

- If the collection of fingerprints is composed of both Rolled and Plain and ID Flat images, the composite will contain a set of the best Rolled and Plain images.

2.8106 ICI   INVESTIGATOR CONTACT INFORMATION

This tag identifies the Investigator contact information when an International Search has been requested. The contact information is broken down into several sub-tags Investigator Name, Investigating Agency Name, Investigating Section Name, Contact Telephone Number, Contact Fax Number, Contact Mailing Address and Contact E-mail Address.

2.8337: OID   OPERATOR IDENTIFIER

The Operator Identifier is a unique identifier assigned to the remote site operator responsible for the submitted transaction.

2.8900: SRS   SEND RESULTS

This tag is used to specify where to send the search results. The contributor will work with the RCMP to determine the allowable values of the Send Result tag.

Table 4-27: 2.8900 – Send Results Codes		
Code	**English Description**	**French Description**
1	CONTRIBUTOR	ORGANISME CONTRIBUTEUR
2	RESPONSE TO AGENCY	RÉPONSE A L'ORGANISME
3	INDIVIDUAL	PARTICULIER
4	RESPONSE ADDRESS	ADRESSE DE L'ORGANISME

- A code value of **1** means the response will be returned to the agency that submitted the transaction. If the contributor is not 3rd Party Waiver exempt (as per agency profile) either a valid 3rd party waiver in the form of a biometric consent or a Vulnerable Sector (VS) Consent must also be included with the transaction. If one is not included, the transaction will be rejected.

- A code value of **2** can be specified by a contributor who is:

  o Authorized to receive civil search results via email;

  o Authorized to remit MAP transactions on behalf of a Third-Party organization who receives the civil search results via email. The Third-Party organization must possess its own distinct Agency Identifier and must be accredited by the RCMP as a contributor of MAP transactions.

- A code value of **3** means the response will be returned to the individual's Mailing Address (tag 2.8903).

- A code value of **4** means the response will be returned to a third-party and a Type-14 Record with one plain impression must be included in the transaction for the purpose of authorizing the release of the results to a third-party. The Return Mailing Address (tag 2.8903) becomes mandatory.

- Results of a Privacy Act request will be sent directly to the individual to whom the information belongs – never to a third party.

A Third-Party Waiver authorized by the applicant in the form of one plain impression (either thumbs or index fingers) is required by RCMP-NPS if the search results are to be returned to someone other than the applicant. The applicant must be eighteen years of age or older to provide third-party waiver consent, vulnerable sector and privacy act requests. If a third-party waiver is included and the applicant is under age eighteen, the transaction will be rejected.

Note: Refer to the Best Practices for the Implementation of Civil Electronic Fingerprint Capture Devices Workflows for a variance to this Young Person rule when submitting MAP Application Type-21 (Employment Federal Government).

2.8903: RTA   RETURN MAILING ADDRESS

This tag represents the mailing address to which the response is sent. The address tag is broken up into the following sub-tags: Attention Name, Address Line 1, Address Line 2, City, Province/State Code, Postal/Zip Code and Country. See Table A-4 in Appendix A for a list of province codes, only numeric province codes specified in the province code column shall be used. See Table A-5 in Appendix A for a list of state codes, all codes may be used for this tag. See Table A-6 in Appendix A for a list of country codes, all country codes may be used for this tag.

2.8908: CNON CONTRIBUTOR CASE/FILE NUMBER

This is the contributor-assigned case or file number. When this tag is supplied in a Tenprint transaction, the value shall be returned within the RTID search results for reference purposes.

2.8910: NVN EXTERNAL ICD VERSION NUMBER

The version number of the NPS NIST ICD that this transaction conforms to. **Must be set to 178** for all Tenprint transactions and IRQ queries sent to the RCMP. All responses will be returned to the contributing agency with this tag value set to **178.**

2.8911: STV   SYSTEM TABLE VERSION NUMBER

This tag is used to indicate the version number of the system tables used when creating the transaction. As a future consideration, not yet implemented by RTID, when new tables are supplied to contributors, they will be supplied with a new version number. At present, must be encoded as 001.

2.8913: CRS   CRIMINAL RECORD

This tag will contain an individual's criminal record. The purpose of this tag is to return to the contributor an electronic copy of the subject's criminal history. This tag is broken down into two sub-tags, the country from which the criminal record originated, and the contents of the criminal record.

Table 4-28: 2.8913 – Criminal Record Codes		
Code	**English Description**	**French Description**
840	UNITED STATES	ETATS-UNIS

Currently, RTID can only populate and return a criminal record received from the FBI in this tag; the country code shall be set to 840 (United States) in this situation.

2.8924: FNM   FATHER'S NAME

This tag is used to indicate the name of the applicant's father. It is made up of the following sub-tags: Surname, Given Name 1, Given Name 2, Given Name 3, and Given Name 4. A value of "UNKNOWN" may also be entered. The allowable special characters must not be in the first or last position in any sub-tag of the Father's Name.

2.8925: MNM   MOTHER'S NAME

This tag is used to indicate the name of the applicant's mother. It is made up of the following sub-tags: Surname/Maiden, Given Name 1, Given Name 2, Given Name 3, and Given Name 4. A value of "UNKNOWN" may also be entered. The allowable special characters must not be in the first or last position in any sub-tag of the Mother's Name.

2.8931: NFT   NAME OF PERSON RESPONSIBLE FOR TRANSACTION

This tag contains the name of the person who releases the transaction from the EFCD. If the transaction is created using a Cardscan facility, this tag contains the name of the person responsible for the scanning of the fingerprints at the Card Scan and creation of the NIST packet. The Name of the Official taking fingerprints and the Name of the Person Responsible for Transaction do not need to be the same.

2.8933: GNA   GANG AFFILIATION

This tag contains the Gang Name, Gang Type Code and Gang City Location of the gang or criminal organization with which the individual is, or suspected of being, associated.

Table 4-29: 2.8933 – Gang Type Codes		
Code	**English Description**	**French Description**
01	ABORIGINAL OC	CO DE SOUCHE AUTOCHTONE
02	ASIAN OC	CO DE SOUCHE ASIATIQUE
03	CARIBBEAN OC	CO ANTILLAIS
04	MIDDLE EASTERN OC	CO DU MOYEN-ORIENT
05	OUTLAW MOTORCYCLE GANG	BANDE DE MOTARDS CRIMINALISÉS
06	RUSSIAN/EASTERN EUROPEAN OC	CO RUSSE/EST-EUROPÉEN
07	SOUTH AMERICAN OC	CO SUD-AMÉRICAIN
08	SOUTHWEST ASIAN OC	CO DU SUD-OUEST ASIATIQUE
09	STREET GANG	BANDE DE RUE
10	TERRORISM	TERRORISME
11	TRADITIONAL OC	CO TRADITIONEL
12	OTHER	AUTRE

2.8934: TEL   TELEPHONE NUMBER

This tag is used to capture the individual's telephone number. It is made of the following sub-tags: Area Code, Telephone Number and Extension.

2.8935: CTRY COUNTRY OF BIRTH

This tag contains the name of the country where the individual was born. See Table A-6 in Appendix A for a list of country codes, any country codes may be used for this tag.

2.8936: RTX   RACE DESCRIPTION

This tag is used to specify the race of the individual. Enter "UNKNOWN" if the race description is not known.

2.8938: NOTF NAME OF OFFICIAL TAKING FINGERPRINTS

This tag contains the name of the person taking the fingerprints. If the transaction is created at a Cardscan facility, this tag contains the name that appears on the fingerprint form in the box "Signature of Official taking fingerprints". The Name of the Official taking fingerprints and the Name of the Person Responsible for Transaction do not need to be the same.

2.8939: FPCL FINGERPRINTS CAPTURE LOCATION

This tag contains the location where fingerprints were taken. It must be used in conjunction with the Name of Person Responsible for Fingerprints (tag 2.8931) to identify the location and the operator taking fingerprints. If the transaction is created using a Cardscan facility, this tag contains the location of the **Fingerprinting** Agency/Department that physically enrolled the subject.

2.8943: EVSI EMPLOYMENT IN VULNERABLE SECTOR INDICATOR

This tag is used to indicate that the applicant is seeking employment or volunteering to work with vulnerable persons. Valid values are 1 for Yes and 0 for No. When the value of 1 (i.e., Yes) is entered an authorization to disclose any suspended sexual offence appearing on a criminal record must be provided. This tag is only available to Police Agencies with Canadian Police Information Centre (CPIC) access or an accredited a private fingerprinting agency which has a contractual agreement with a Police Agency.

When the RCMP screens an applicant for a Vulnerable Sector position, tag 2.8943 EVSI is returned to the contributor in the SRE response and is set to 1 (Yes). In all other cases, the tag is omitted from the SRE.

2.8944: VSD   VULNERABLE SECTOR DETAILS

This tag is used to capture Job Title and/or Function of the vulnerable sector in which the individual will be working or volunteering. This tag is comprised of the following sub-tags: Description of Position, Name of Person or Organization, and Details Regarding Children or Vulnerable Person(s). This tag is available to Police Agencies only.

2.8952: CREF CONTRIBUTOR SUPPLIED REFERENCE INFORMATION

This tag is used to return contributor-supplied reference numbers and subject information. The sub-fields shall contain the values as received by the RCMP within:

- Primary Name (tag **2.806**);

- Date of Birth (tag **2.8022**);

- Sex (tag **2.807**);

- CBSA/CIC Office Number (tag **2.887**);

- FOSS Number (tag **2.888**);

- Contributor Individual Reference Number (tag **2.804**); and

- Contributor Case/File Number (tag **2.8908**).

2.8953: IDI SEARCH RESULT INFORMATION

This optional tag contains information about the identification(s) that have been made as a result of a fingerprint search request. The tag also returns information held on file at the RCMP when an IRQ image fetch request is successfully processed by RTID.

A positive identification will return, at a minimum, the following sub-tags for each repository searched:

- File Type Searched Code

- Search Result Code (set to "I")

- File Number

- Surname

- Given Name 1 to Given Name 4

- Sex

- Date of Birth

A negative identification will return, at a minimum, the following sub-tags for each repository searched:

- File Type Searched Code

- Search Result Code (set to "N")

Note: For a retainable CAR-Y or REF, when a negative identification is returned upon searching the RCMP repository of subject type corresponding to the type of the transaction, the **File Number** sub-tag shall contain a new number generated by the RCMP for the newly-enrolled individual. This scenario occurs upon negative identification of CAR-Y transaction searched against the Criminal repository and the REF transaction against the Immigration repository.

Each occurrence of Search Result Information is comprised of the following sub-tags:

- **File Type Searched Code** – representing the type of identification made. See Code Table 4-30: 2.8953A – File Type Searched Codes. If a new file has been created, this code will indicate the type of file that was created.

Table 4-30: 2.8953A – File Type Searched Codes		
Code	**English Description**	**French Description**
01	CRIMINAL	CRIMINEL
02	REFUGEE	RÉFUGIÉ
03	EMPLOYEE	EMPLOYÉ
04	IMMIGRATION SUJECT	SUJET DE CAS IMMIGRATION
21	FBI	FBI

Search Result Code – a code value representing the result of the search. This code will indicate whether the search was positive or negative. See Code Table 4-31: 2.8953B – Search Result Codes.

Table 4-31: 2.8953B – Search Result Codes			
Code	**English Description**	**French Description**	**Note**
I	POSITIVE	POSITIF	An identification was made
N	NEGATIVE	NEGATIF	No identification was made
U	UNSUITABLE	REJET	Fingerprints were unsuitable

File Number – the number the RCMP uses to uniquely identify the file, pertaining to the subject of the identification, for example, the FPS number, the Refugee number or the Immigration File number. If the file is newly created, this sub-field contains the number assigned by the RCMP.

Surname – the surname on file for the subject of the identification.

Given Name 1 to Given Name 4 – Given names, 1 to 4, on file for the subject of the identification.

Sex – a code representing the subject's gender as indicated on the RCMP file.

Table 4-32: 2.8953C – Sex Codes		
Code	**English Description**	**French Description**
M	MALE	MASCULIN
F	FEMALE	FEMININ
U	UNKNOWN	INCONNU

Date of Birth – the subject's date of birth as reported to and stored by the RCMP.

CIC/CBSA Office Number – If identification has been made to a Refugee file or an Immigration file, and the RCMP have a CIC/CBSA Office Number on file, it will be returned in this sub-tag.

Field Operational Support System Number – If identification has been made to a Refugee or Immigration file and the RCMP has a FOSS Number on file, it will be returned in this sub-tag.

If the identification was made (see Table 4-31: 2.8953B – Search Result Codes) to a file type of Criminal or Refugee, the Surname, Given Name(s), Sex and DOB will be the values that were saved in RTID when the file was first created.

If the identification was made to an Immigration file, then the most recent biographical information on file will be populated in the SRE.

2.8973: AFN   SUBJECT FILE IDENTIFIER

This tag is a generic representation of a file type and file number. For example, for a criminal file type, the file number represents the FPS; for Immigration Information Sharing, the number represents the Immigration File Number (IID).

Both sub-tags are required when querying the RCMP for a set of Tenprint images. The same tag structure is returned in the RCMP response, as a method of echoing back the contributor-supplied identifier values.

The Subject File Identifier sub-tags are:

- File Type Code, a code value shown in code Table 4-33: 2.8973; and
- File Number.

Table 4-33: 2.8973 – File Type Codes		
Code	**English Description**	**French Description**
01	CRIMINAL	CRIMINEL
02	REFUGEE	RÉFUGIÉ
03	*EMPLOYEE/CIVIL*	*EMPLOYÉ/CIVIL*
04	IMMIGRATION SUBJECT	SUJET DE CAS IMMIGRATION
21	*FBI*	*FBI*

Note: The criminal file type shall be accompanied by the short alphanumeric FPS number and not the 12 digit numeric variant.

IRQ transactions for Employee and FBI file types are not supported.

4.3   Type-4 Data Definition (Fingerprint Image Data)

Type-4 records shall contain high-resolution grayscale fingerprint image data that have been scanned at the minimum scanning resolution. Alternatively, the native scanning resolution may be used and the image processed such that the resulting transmitting resolution is within the range specified by the transmitting resolution requirement for high-resolution images. When the image data is obtained from a live-scan reader it shall be the grayscale output of the live-scan fingerprint scanner and not a rescan of a hardcopy fingerprint image.

Each Type-4 record consists of nine ordered and unnumbered fields which are locatable according to relative byte position. The first eight fields occupy eighteen bytes, are fixed length and contain the information about the fingerprint image that is included as the last field in the record. The fingerprint image starts at byte 19 and continues to the last byte of the record.

The high-resolution grayscale fingerprint image data contained in the Type-4 logical record shall be compressed in WSQ format at a resolution of 500 pixels per inch (ppi). This logical record type is used for Tenprint rolled and plain images. There may be up to 14 of these Type-4 records in a transaction consisting of ten rolled impressions of the individual fingers, two plain impressions of each thumb and two plain impressions of the four remaining fingers on each hand. If there are less than 14 Type-4 records, a reason must be included in the Missing Fingerprint Reason (tag 2.8084) for each missing fingerprint impression. The Type-4 logical record also contains binary data about the image. The Type-4 Definition table describes the generic form of the record. For maximum box sizes of finger images see Table A-2 in Appendix A.

Notes:

- If the image contained in the Type-4 record is obtained by scanning a hardcopy fingerprint form (i.e., the fingerprints are rolled on a fingerprint form, then the fingerprint form is scanned using a flatbed scanner), the contributor must capture each image without including the vertical or horizontal lines from the fingerprint boxes printed on the form. However, if the fingerprint overlaps a line in the fingerprint box, it is preferable to include as much of the fingerprint as possible even if this means that a vertical and/or horizontal line is included with the fingerprint image.

- The RCMP requires Type-4 images to be compressed using the WSQ algorithm and expects the average compression to be ratio shall be 15:1, or shall be 15:1 or less on average measured over multiple transactions. The submitting agency is responsible to ensure that the electronic images are not compressed at a ratio greater than 15:1. If the incoming electronic images are not compressed using WSQ or at a ratio greater than 15:1 (especially if the compression ratio is higher than 15:1), the transaction will be rejected by RCMP-NPS. A compression ratio of no greater than 15:1 ensures that RCMP-NPS can perform a reliable fingerprint search.

Note: Refer to the ANSI/NIST-ITL 1-2000 document to get specific definitions for each tag. The contributor should consult with the RCMP to determine which compression algorithms are acceptable.

4.4   Type-10 Data Definition (Photo Image Record)

Each Type-10 record contains one facial image and related image descriptors for an individual. A facial image may be captured as a full face frontal pose or as a left or right profile. Photos can be encoded as grayscale and colour images in Joint Photographic Experts Group (JPEG) format.

It is strongly recommended that Type-10 records meet the recommendations specified in "Best Practice Recommendation for the Capture of Mugshots", version 2.0 or greater. Otherwise, transactions may be rejected.

The RCMP does implement Type-10 records containing scars, marks or tattoo images.

Note: The contents of this record are as specified in the ANSI/NIST definition. Refer to the ANSI/NIST ITL 1-2000 document to get specific definitions for each tag.

There is one additional tag defined by the RCMP-NPS:

10.200: COM COMMENTS

This tag provides the contributing agency a way to include any comments relevant to this image.

4.5   Type-14 Data Definition (Fingerprint Image Record)

The Type-14 tagged-field logical record is used to exchange variable-resolution Tenprint fingerprint image data together with fixed and user-defined textual information fields pertinent to the digitized image. Textual information regarding the scanning resolution used, the image size and other parameters or comments required to process the image are recorded as tagged-fields within the record.

For a transaction containing Identification Flats, the image records will contain the left and right plain impressions as well as the two thumbs taken together. There may be up to 3 Type-14 records in a transaction; one plain impression of the thumbs and two plain impressions of the four simultaneously obtained remaining fingers of each hand. This definition is taken directly from the ANSI/NIST 2000 document as well as Appendix N of the FBI Electronic Biometric Transmission Specifications v10. For finger codes, see Table A-1 (Finger Position Codes). For allowable box sizes, see Table A-2 (Allowable Box Sizes for Finger/Palm Images) in Appendix A.

The Type-14 record is also used to contain a biometric authorization in place of a signature to authenticate an application waiver or consent as required by the type of transaction:

- Type-14 records for the purposes of biometric endorsement must be of width 1.0 in (500 pixels) and Height 2.0 in (1000 pixels).

The following is the preferred ordered list of finger numbers to be captured for the biometric consent:

Table 4-34: 14.021 – Finger Number Capture for Biometric Consent		
Finger # Order	**English Description**	**French Description**
01	RIGHT THUMB	POUCE DROIT
06	LEFT THUMB	POUCE GAUCHE
02	RIGHT INDEX	INDEX DROIT
07	LEFT INDEX	INDEX GAUCHE
03	RIGHT MIDDLE	MAJEUR DROIT
08	LEFT MIDDLE	MAJEUR GAUCHE
04	RIGHT RING	ANNULAIRE DROIT
09	LEFT RING	ANNULAIRE GAUCHE
05	RIGHT LITTLE	AURICULAIRE DROIT
10	LEFT LITTLE	AURICULAIRE GAUCHE

A finger indicated as missing or of poor quality in the Tenprint transaction shall not be accepted as a biometric consent image.

Supplemental information for specific Type-14 tags is provided below.

14.013: FGP   FINGER NUMBER

This tag shall contain the finger number code that matches the tenprint image. See Table A-1 in Appendix A for a list of finger/palm codes. Valid values are 01 to 15.

14.021: SEG   FINGER SEGMENT POSITION(S)

This tag shall contain offsets to the locations of image segments containing the individual fingers within the image. The offsets are relative to the origin, (0, 0), which is in the upper left corner of the image. The horizontal offsets (X) are the pixel counts to the right, and the vertical offsets (Y) are the pixel counts down. A finger segment is defined by the finger number, the X coordinates (left, right) and the Y coordinates (top, bottom), of its bounding box.

Image segmentation must not be provided for missing finger(s) identified in the Type-2 record (as per tag 2.8084, "Missing Fingerprint Reason"). Finger segment positions must include valid combinations of fingers as per the Finger Number Code indicated (tag 14.013).

14.022: IQM   IMAGE QUALITY METRIC

This tag shall contain the NIST Fingerprint Image Quality (NFIQ) scores for all fingers except those fingers that are identified as missing as per the Type-2 tag 2.8084, "Missing Fingerprint Reason".

The first sub-field specifies the finger number, FGP 01-10. The second sub-field specifies the NIST image quality score associated with the finger. The score ranges from "1" for the best quality image, to "5" for the worst quality image. A "254" indicates that no score was computed while "255" indicates a failed attempt to calculate the image quality metric.

It is expected that the vast majority of the transactions submitted will have a score between 1 and 5, and that codes 254 and 255 will only apply in exceptional circumstances

14.200: IMTC IMAGE TYPE CONTAINED

This tag identifies the type of image contained in the record (Biometric consent, normal Tenprint or ID flats). Valid values are:

Table 4-35: Image Type Codes

Value	Image Type	Available for Transactions
1	Rolled and Plain: 14-Print	N/A
2	Identification Flats: 4-4-2	MAP
3	Biometric Consent	MAP
4	Rolled and Plain: 13-Print	N/A

4.6   Type-15 Data Definition (Palmprint Image Record)

The Type-15 tagged-field logical record is used to exchange palm print image data along with fixed and user-defined textual information relevant to the palm print image.

Note: This definition is taken directly from the ANSI/NIST definition. Refer to the ANSI/NIST ITL 1-2000 document to obtain specific definitions for each tag.

4.7   Logical Records Not Supported

At this time, the RCMP-NPS does not support the following ANSI-NIST record types:

- Type-3 (Low-Resolution Grayscale Fingerprint Image Record)
- Type-5 (Low-Resolution Binary Fingerprint Image Record)
- Type-6 (High-Resolution Binary Fingerprint Image Record)
- Type-8 (Signature Image Record)
- Type-16 (Document Image)

5. LOGICAL RECORD FORMATS

5.1 Type-1 Logical Record: Header Information

Table 5-1: RCMP-NPS Type-1 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
LEN	M	1.001	Logical Record Length	N	2	3	1	1		
VER	M	1.002	ANSI/NIST Version Number	N	4	4	1	1		
CNT	M	1.003	File Content	N			2	50	**1st occurrence (mandatory):** • Information item #1: a single character indicating this is a Type-1 record consisting of header information; and • Information Item #2: the sum of the Type-2 to Type-15 logical records in this file. **Subsequent occurrence(s):** • Information item #1: type of record; and • Information item #2: the record's IDC.	
	M		Information Item 1	N	1	2	1	1		
	M		Information Item 2	N	1	5	1	1		
TOT	M	1.004	Type of Transaction	A	3	5	1	1		
DAT	M	1.005	Date	D	8	8	1	1		
PRY	M	1.006	Priority	N	1	1	1	1	Valid values are 1 to 9. 1 is the highest and 9 the lowest.	
DAI	M	1.007	Destination Agency Identifier	AN	7	7	1	1	In transactions to the RCMP-NPS, this tag is populated with the RTID Identifier of the agency designated to receive NIST transaction. In the response transactions this information will be the Originating Agency Identifier.	

Table 5-1: RCMP-NPS Type-1 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
OAI	M	1.008	Originating Agency Identifier	AN	7	7	1	1	In transactions to the RCMP-NPS, this tag is populated with the Originating Agency Identifier. In the response transactions this information will be the RCMP-NPS agency identifier.	
TCN	M	1.009	Transaction Control Number	N	13	13	1	1	No two transactions will have the same TCN.	
TCR	O	1.010	Transaction Control Reference Number	N	13	13	0	1		
NSR	M	1.011	Native Scanning Resolution	NS	5	5	1	1	For transactions that do not contain fingerprint images then this tag is not applicable and should be set to "00.00"	Period
NTR	M	1.012	Nominal Transmitting Resolution	NS	5	5	1	1	For transactions that do not contain fingerprint images then this tag is not applicable and should be set to "00.00"	Period
GMT	O	1.014	Greenwich Mean Time	AN	15	15	0	1		

Under the Condition Column: O=Optional; M=Mandatory; C=Conditional

Under the Character Type Column: A=Alpha; N=Numeric; B=Binary; S=Special Characters

5.2   Type-2 Logical Record: Criminal Tenprint Transaction (CAR Y)

Table 5-2: CAR Y Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
LEN	M	2.001	Logical Record Length	N	2	7	1	1		
IDC	M	2.002	Image Designation Character	N	1	5	1	1		
IMA	M	2.067	Image Capture Equipment				1	1	Contributors are encouraged to populate this tag in all cases. Electronic Fingerprint Capture Devices certified until March 2015 may treat 2.067 as an Optional tag. Mandatory for new certifications occurring after March 2015.	
	M		Originating Fingerprint Reading System Make	ANS	1	25	1	1		Any RCMP special character
	M		Originating Fingerprint Reading System Model	ANS	1	25	1	1		Any RCMP special character
	M		Originating Fingerprint Reading System Serial Number	ANS	1	50	1	1		Any RCMP special character
DCN	M	2.800	Document Control Number	N	20	20	1	1		
FPS	O	2.801	Fingerprint Section Number	AN	1	7	0	1		
ADR	M	2.802	Address				1	1		
	M		• Apt./Unit # – Street #/Name	ANS	1	50	1	1	Values of "UNKNOWN" and "NO FIXED ADDRESS" are valid	Any RCMP special character
	M		• City	ANS	1	35	1	1	Values of "UNKNOWN" and "NO FIXED ADDRESS" are valid	Any RCMP special character
	O		• Province/State Code	N	2	2	0	1		

Table 5-2: CAR Y Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
	O		• Postal Code/ZIP Code	ANS	1	10	0	1	Format of Canadian postal codes: AnA <space> nAn where A is any alphabetic character and n is any digit between 0 and 9.	Space, hyphen
	O		• Country	AS	1	35	0	1		Any RCMP special character
	O		• Country Code	N	3	3	0	1		
OCC	O	2.803	Occupation & Employer Name	ANS	1	60	0	1		Any RCMP special character
IRN	O	2.804	Contributor Individual Reference Number	ANS	1	32	0	1	This information will be returned in the SRE tag as Contributor Supplied Information (tag 2.8920).	Any RCMP special character
NAME	M	2.806	Primary Name				1	1	If there are additional names they should be entered in the Other Names/Alias (tag 2.824).	
	M		• Surname	AS	1	24	1	1		Space, Hyphen, Apostrophe, Period
	M		• Given Name 1	AS	1	15	1	1	If no Given Name 1 then enter as "UNKNOWN"	Space, Hyphen, Apostrophe, Period
	O		• Given Name 2	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	C		• Given Name 3	AS	1	15	0	1	Can only be populated if Given 2 is populated.	Space, Hyphen, Apostrophe, Period
	C		• Given Name 4	AS	1	15	0	1	Can only be populated if Given 3 is populated.	Space, Hyphen, Apostrophe, Period
SEX	M	2.807	Sex	A	1	1	1	1		
HAI	C	2.808	Hair Colour	N	2	2	0	1	This tag becomes mandatory when an FBI search (tag 2.874) or an International Search (tag 2.891) is selected.	
EYE	C	2.809	Eye Colour	A	1	1	0	2	This tag becomes mandatory when an FBI search (tag 2.874) or an International Search (tag 2.891) is selected.	
HGT	M	2.810	Height	N	1	3	1	1	Enter 0 if the height is unknown. This tag is also used when an FBI search (tag 2.874) or an International Search (tag 2.891)	

Table 5-2: CAR Y Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
									is selected.	
WGT	M	2.811	Weight	N	1	3	1	1	Enter 0 if the weight is unknown. This tag is also used when an FBI search (tag 2.874) or an International Search (tag 2.891) is selected.	
RACE	C	2.814	Race Descent	A	1	1	0	1	This tag becomes mandatory when an FBI search (tag 2.874) or an International Search (tag 2.891) is selected.	
POB	M	2.815	Place of Birth	A	1	1	1	1		
FLG	O	2.816	Caution Flags	A	1	1	0	3		
CTR	O	2.817	Response to Agency Identifier	AN	6	9	0	1	Reserved for future use	
YPF	O	2.818	Young Person Flag	A	1	1	0	1	If the subject is less than 12 years of age on the date of offence, the transaction will be rejected.	
LGF	M	2.819	Language Flag	A	1	1	1	1		
CPX	O	2.822	Complexion	N	4	4	0	1		
MKS	O	2.823	Marks, Scars, Tattoos				0	50		
	M		• Mark/Scar/Tattoo Code	A	1	1	1	1		
	M		• Body Location Code	N	3	3	1	1		
	O		• Description	ANS	1	20	0	1		Any RCMP special character and "?"
OTN	O	2.824	Other Names/Alias				0	40		
	M		• Surname	AS	1	24	1	1		Space, Hyphen, Apostrophe, Period
	O		• Given Name 1	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	C		• Given Name 2	AS	1	15	0	1	Can only be populated if Given 1 is populated.	Space, Hyphen, Apostrophe, Period

Table 5-2: CAR Y Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
	C		• Given Name 3	AS	1	15	0	1	Can only be populated if Given 2 is populated.	Space, Hyphen, Apostrophe, Period
	C		• Given Name 4	AS	1	15	0	1	Can only be populated if Given 3 is populated.	Space, Hyphen, Apostrophe, Period
NTS	O	2.826	Notepad Message				0	1		
	M		• Date/Time	T	14	14	1	1		
	M		Message Author	AS	1	50	1	1		Any RCMP special character
	M		• Message	ANS	1	700	1	1		Any RCMP special character, Carriage Return, Line Feed
CHG	M	2.829	Charge Information				1	200		
	M		• Charge Number	N	3	3	1	1	A sequential number that starts at 001 and is used to identify each charge; The valid values are 001 – 200.	
	M		• Offence Date	N	8	8	1	1	The date on which the offence was actually committed; may differ from the date on which the individual was arrested (i.e., Date of Arrest).	
	M		• Investigating Agency	ANS	1	24	1	1	The name and type of agency responsible for investigating the case associated with the charge.	Any RCMP special character
	O		• Occurrence Number	ANS	1	20	0	1	The occurrence or case number associated to the charge.	Any RCMP special character
	M		• Number of Counts	N	3	3	1	1	The number of counts of this particular charge; always 3 digits (e.g., 1=001).	
	O		• Young Person Flag	A	1	1	0	1	Set to "J" if the individual is being charged as a Young Person, otherwise no flag required (see tag 2.818).	
	O		• Court Information Number	ANS	1	15	0	1	The reference number used by the court to reference this charge.	Any RCMP special character
	M		• Statute of the	AN	1	2	1	1	See STATUTE Table (available upon request).	

Table 5-2: CAR Y Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
			charge							
	C		• Section Number of charge	ANS	1	20	0	1	If Free Form Flag = "N", the number must be found in Federal Statutes Table (available upon request).	Any RCMP special character
	C		• Wording Number	N	1	2	0	1	If the Free Form Flag is set to "N", this numeric tag is used to identify which wording to select. More than one wording may be available for the same Statute/Section Number combination. "Statute of the Charge + Section Number + Wording Number in combination shall identify one charge occurrence in the Federal Statutes Table."	
	O		• Section Number # of an Attempt or Conspiracy	ANS	1	38	0	1	When encoded, must be one of the Section Number values found in the Federal Statutes Table where field ACSection is equal to A (Attempt) or C (Conspiracy).	Any RCMP special character
	O		• Charge Status Flag	A	1	1	0	1	Not currently in use.	
	M		• Free Form Flag	A	1	1	1	1	"Y" indicates that the Charge's Statute/Section Number/Wording Number could not be found in the Federal Statutes Table. If found in the Federal Statutes Table and Free Form Flag= "Y", the transaction will be rejected.	
	M		• Charge Description 1	ANS	1	26	1	1	The charge description text associated with the Section Number, statute and wording. If the free form flag is set to "Y", this tag contains a free form charge description.	Any RCMP special character
	C		• Charge Description 2	ANS	1	26	0	1	Can only be populated if Charge Description 1 is populated.	Any RCMP special character
	C		• Charge Description 3	ANS	1	26	0	1	Can only be populated if Charge Description 2 is populated.	Any RCMP special character
	C		• Charge Description 4	ANS	1	26	0	1	Can only be populated if Charge Description 3 is populated.	Any RCMP special character

Table 5-2: CAR Y Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
	C		• Charge Description 5	ANS	1	26	0	1	Can only be populated if Charge Description 4 is populated.	Any RCMP special character
	C		• Charge Description 6	ANS	1	26	0	1	Can only be populated if Charge Description 5 is populated.	Any RCMP special character
	C		• Charge Description 7	ANS	1	26	0	1	Can only be populated if Charge Description 6 is populated.	Any RCMP special character
	O		• Offence Information Code	A	1	1	0	1		
	C		• Victim Age Group Code	A	1	1	0	1	Mandatory if Offence Information Code is "C.	
	C		• Victim Sex Code	A	1	1	0	1	Mandatory if Offence Information Code is "C.	
	O		• Publication Ban Indicator	N	1	1	0	1	Valid values are 1 for Yes and 0 for No. Default is 0.	
CGV	M	2.831	Federal Statutes Table Version Number	N	3	3	1	1		
SFBI	C	2.874	FBI Search Request	A	1	1	0	1	This tag becomes mandatory when a US States to Search (tag 2.876) is selected. When a FBI search is requested the following tags become mandatory; Foreign Search Reason (tag 2.894), Race Descent (tag 2.814), Hair Colour (tag 2.808), Eye Colour (tag 2.809), Height (tag 2.810), Weight (tag 2.811).	
USS	O	2.876	US States to Search				0	52	When a US States search is requested the following tags become mandatory; FBI Search Request (tag 2.874), Foreign Search Reason (tag 2.894), Race Descent (tag 2.814), Hair Colour (tag 2.808), Eye Colour (tag 2.809), Height (tag 2.810), Weight (tag 2.811), Investigator Contract Information) tag 2.8106.	
	M		State Code	N	2	2	1	1		

Table 5-2: CAR Y Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
	O		• State File Number	ANS	1	32	0	1		Any RCMP special character
COB	M	2.883	City of Birth	ANS	1	35	1	1		Any RCMP special character
POE	C	2.884	Port of Entry	ANS	1	50	0	1	This tag becomes mandatory when the Place of Birth (tag 2.815) is outside of Canada (A-USA, E-Europe, K-United Kingdom, L-Other).	Any RCMP special character
DOE	C	2.885	Date of Entry	D	8	8	0	1	This tag becomes mandatory when the Place of Birth (tag 2.815) is outside of Canada (A-USA, E-Europe, K-United Kingdom, L-Other).	
RID	O	2.886	Refugee File Number	N	12	12	0	1		
CIC	O	2.887	CBSA/CIC Office Number	ANS	1	16	0	1		Any RCMP special character
FOSS	O	2.888	Field Operational Support System Number	ANS	1	16	0	1		Any RCMP special character
ISR	O	2.891	International Search Request	A	1	1	0	1	When an International search is requested the following tags become mandatory; Foreign Search Reason (tag 2.894), Race Descent (tag 2.814), Hair Colour (tag 2.808), Eye Colour (tag 2.809), Height (tag 2.810), Weight (tag 2.811), Investigator Contract Information) tag 2.8106.	
IRP	C	2.892	International Countries to Search				0	30	This tag becomes mandatory when an International Search Request (tag 2.891) is selected.	
	M		• Country Code	N	3	3	1	1		
	O		• File Number	ANS	1	32	0	1		Any RCMP special character
FQO	O	2.893	Fingerprint Quality Override				0	14		
	M		Finger Number	N	2	2	1	1		
	M		Reason Code	N	2	2	1	1		

Table 5-2: CAR Y Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
	C		Description	ANS	1	50	0	1	A description must be entered if the reason code "99" is selected.	Any RCMP special character
FER	C	2.894	Foreign Search Reason	ANS	1	500	0	1	If FBI Search Request (tag 2.874), US States to Search (2.876) or International Search Request (tag 2.891) equals "Y" then this tag becomes mandatory.	Any RCMP special character plus Carriage Return & Line Feed
RET	M	2.8005	Retention Code	A	1	1	1	1	The value of this tag must be "Y".	
NOK	O	2.8011	Next Of Kin				0	1		
	M		• Surname	AS	1	24	1	1		Space, Hyphen, Apostrophe, Period
	M		• Given Name 1	AS	1	15	1	1		Space, Hyphen, Apostrophe, Period
	O		• Given Name 2	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	C		• Given Name 3	AS	1	15	0	1	Can only be populated if Given 2 is populated.	Space, Hyphen, Apostrophe, Period
	C		• Given Name 4	AS	1	15	0	1	Can only be populated if Given 3 is populated.	Space, Hyphen, Apostrophe, Period
	M		• Relationship of Next of Kin	N	1	2	1	1		
	O		• Next of Kin Address	ANS	1	200	0	1		Any RCMP special character
FBI	O	2.8014	FBI File Number	AN	1	9	0	1	This tag becomes available if a FBI Search Request (tag 2.874) is selected.	
DOB	M	2.8022	Date of Birth	D	8	8	1	1	Subject's DOB must be 12 years of age or older on each Offence Date within the Charge Information. A valid date must be entered. 00000000 (Unknown DOB) is not allowed.	
DPR	M	2.8038	Date Fingerprinted	D	8	8	1	1	The Date Fingerprinted must be greater than or equal to the Offence Date of each charge in tag 2.829.	

Table 5-2: CAR Y Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
DOA	M	2.8045	Date of Arrest	N	8	8	1	1		
MFR	C	2.8084	Missing Fingerprint Reason				0	14	Mandatory if less than 14 type-4 records or missing fingerprints.	
	M		• Finger Position Code	N	2	2	1	1		
	M		• Missing Fingerprint Reason Code	A	2	2	1	1	Reason Code FR (FOREIGN) is not available for use by domestic contributors.	
	O		• Missing Fingerprint Date	D	8	8	0	1		
ICI	C	2.8106	Investigator Contact Information				0	1	This tag becomes mandatory if an International Search Request (tag 2.891) is used.	
	M		• Investigator Name	ANS	1	50	1	1		Any RCMP special character
	M		• Investigating Agency Name	ANS	1	50	1	1		Any RCMP special character
	O		• Investigating Section Name	ANS	1	50	0	1		Any RCMP special character
	M		• Contact Telephone Number	N	1	20	1	1		
	O		• Contact Fax Number	N	1	20	0	1		
	M		• Contact Mailing Address	ANS	1	200	1	1		Any RCMP special character
	O		• Contact E-mail Address	ANS	1	50	0	1		Any RCMP special character plus At Sign (@) and Underscore (_).
CNON	O	2.8908	Contributor Case/File Number	ANS	1	32	0	1		Any RCMP special character

Table 5-2: CAR Y Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
NVN	M	2.8910	External ICD Version Number	N	3	3	1	1		
STV	M	2.8911	System Table Version Number	N	3	3	1	1		
NFT	M	2.8931	Name of Person Responsible for Transaction	ANS	1	50	1	1		Any RCMP special character
GNA	O	2.8933	Gang Affiliation				0	1		
	M		• Gang Name	ANS	1	50	1	1		Any RCMP special character
	M		• Gang Type	N	2	2	1	1		
	M		• Gang City Location	ANS	1	50	1	1		Any RCMP special character
CTRY	C	2.8935	Country of Birth	N	3	3	0	1	If Place of Birth (tag 2.815) has a value of E (Europe), K (UK) or L (Other) then this tag becomes mandatory.	
RTX	C	2.8936	Race Description	ANS	1	25	0	1	This tag becomes mandatory if the Race Descent tag (tag 2.814) has a value of "N".	Any RCMP special character
NOTF	M	2.8938	Name of Official taking fingerprints	ANS	1	50	1	1		Any RCMP special character
FPCL	M	2.8939	Fingerprints Capture Location	ANS	1	20	1	1		Any RCMP special character

5.3   Type-2 Logical Record: Criminal Tenprint Transaction (CAR N)

Table 5-3: CAR N Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
LEN	M	2.001	Logical Record Length	N	2	7	1	1		
IDC	M	2.002	Image Designation Character	N	1	5	1	1		
IMA	M	2.067	Image Capture Equipment				1	1	Contributors are encouraged to populate this tag in all cases. Electronic Fingerprint Capture Devices certified until March 2015 may treat 2.067 as an Optional tag. Mandatory for new certifications occurring after March 2015.	
	M		Originating Fingerprint Reading System Make	ANS	1	25	1	1		Any RCMP special character
	M		Originating Fingerprint Reading System Model	ANS	1	25	1	1		Any RCMP special character
	M		Originating Fingerprint Reading System Serial Number	ANS	1	50	1	1		Any RCMP special character
DCN	M	2.800	Document Control Number	N	20	20	1	1		
FPS	O	2.801	Fingerprint Section Number	AN	1	7	0	1		
ADR	O	2.802	Address				0	1		
	M		• Apt./Unit # – Street #/Name	ANS	1	50	1	1		Any RCMP special character
	M		• City	ANS	1	35	1	1		Any RCMP special character
	O		• Province/State Code	N	2	2	0	1		
	O		• Postal Code/ZIP Code	ANS	1	10	0	1	Format of Canadian postal codes: AnA <space>nAn where A is any alphabetic character and n is any digit between 0 and 9.	Space, hyphen

Table 5-3: CAR N Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
	O		• Country	AS	1	35	0	1		Any RCMP special character
	O		• Country Code	N	3	3	0	1		
OCC	O	2.803	Occupation & Employer Name	ANS	1	60	0	1		Any RCMP special character
IRN	O	2.804	Contributor Individual Reference Number	ANS	1	32	0	1	It will be returned in the SRE in the tag Contributor Supplied Information (tag 2.8920).	Any RCMP special character
NAME	M	2.806	Primary Name				1	1	If there are additional names they should be entered in the Other Names/Alias (tag 2.824).	
	M		• Surname	AS	1	24	1	1	A value of "UNKNOWN" is acceptable.	Space, Hyphen, Apostrophe, Period
	M		• Given Name 1	AS	1	15	1	1	A value of "UNKNOWN" is acceptable.	Space, Hyphen, Apostrophe, Period
	O		• Given Name 2	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	C		• Given Name 3	AS	1	15	0	1	Can only be populated if Given 2 is populated.	Space, Hyphen, Apostrophe, Period
	C		• Given Name 4	AS	1	15	0	1	Can only be populated if Given 3 is populated.	Space, Hyphen, Apostrophe, Period
SEX	M	2.807	Sex	A	1	1	1	1		
HAI	C	2.808	Hair Colour	N	2	2	0	1	This tag becomes mandatory when an FBI search (tag 2.874) or an International Search (tag 2.891) is selected.	
EYE	C	2.809	Eye Colour	A	1	1	0	2	This tag becomes mandatory when an FBI search (tag 2.874) or an International Search (tag 2.891) is selected.	
HGT	C	2.810	Height	N	1	3	0	1	Enter 0 if the height is unknown. This tag becomes mandatory when an FBI search (tag 2.874) or an International Search (tag 2.891) is selected.	

Table 5-3: CAR N Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
WGT	C	2.811	Weight	N	1	3	0	1	Enter 0 if the weight is unknown. This tag becomes mandatory when an FBI search (tag 2.874) or an International Search (tag 2.891) is selected.	
RACE	C	2.814	Race Descent	A	1	1	0	1	This tag becomes mandatory when an FBI search (tag 2.874) or an International Search (tag 2.891) is selected.	
POB	C	2.815	Place of Birth	A	1	1	0	1	This tag becomes mandatory when an FBI search (tag 2.874) or an International Search (tag 2.891) is selected.	
CTR	O	2.817	Response to Agency Identifier	AN	6	9	0	1	Reserved for future use	
LGF	M	2.819	Language Flag	A	1	1	1	1		
CPX	O	2.822	Complexion	N	4	4	0	1		
MKS	O	2.823	Marks, Scars, Tattoos				0	50		
	M		• Mark/Scar/Tattoo Code	A	1	1	1	1		
	M		• Body Location Code	N	3	3	1	1		
	O		• Description	ANS	1	20	0	1		Any RCMP special character and "?"
OTN	O	2.824	Other Names/Alias				0	40		
	M		• Surname	AS	1	24	1	1		Space, Hyphen, Apostrophe, Period
	O		• Given Name 1	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	C		• Given Name 2	AS	1	15	0	1	Can only be populated if Given 1 is populated.	Space, Hyphen, Apostrophe, Period
	C		• Given Name 3	AS	1	15	0	1	Can only be populated if Given 2 is populated.	Space, Hyphen, Apostrophe, Period
	C		• Given Name 4	AS	1	15	0	1	Can only be populated if Given 3 is populated.	Space, Hyphen, Apostrophe, Period
NMG	O	2.827	Narrative Message	ANS	1	1000	0	1		Any RCMP special character plus

Table 5-3: CAR N Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
										Carriage Return & Line Feed
SFBI	C	2.874	FBI Search Request	A	1	1	0	1	This tag becomes mandatory when a US State to Search (tag 2.876) is selected. The following tags become mandatory; Foreign Search Reason (tag 2.894), Race Descent (tag 2.814), Hair Colour (tag 2.808), Eye Colour (tag 2.809), Height (tag 2.810), Weight (tag 2.811) and Place of Birth (tag 2.815).	
USS	O	2.876	US States to Search				0	52	When a US States search is requested the following tags become mandatory; FBI Search Request (tag 2.874), Foreign Search Reason (tag 2.894), Race Descent (tag 2.814), Hair Colour (tag 2.808), Eye Colour (tag 2.809), Height (tag 2.810), Weight (tag 2.811) and Place of Birth (tag 2.815), Investigator Contract Information) tag 2.8106.	
	M		• State Code	N	2	2	1	1		
	O		• State File Number	ANS	1	32	0	1		Any RCMP special character
COB	O	2.883	City of Birth	ANS	1	35	0	1		Any RCMP special character
POE	O	2.884	Port of Entry	ANS	1	50	0	1		Any RCMP special character
DOE	O	2.885	Date of Entry	N	8	8	0	1		
RID	O	2.886	Refugee File Number	N	12	12	0	1		
CIC	O	2.887	CBSA/CIC Office Number	ANS	1	16	0	1		Any RCMP special character
FOSS	O	2.888	Field Operational Support System Number	ANS	1	16	0	1		Any RCMP special character
ISR	O	2.891	International Search	A	1	1	0	1	Setting this tag to "Y" will make International Countries to Search (tag 2.892) mandatory.	

Table 5-3: CAR N Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
			Request						When an International search is requested the following tags become mandatory; Foreign Search Reason (tag 2.894), Race Descent (tag 2.814), Hair Colour (tag 2.808), Eye Colour (tag 2.809), Height (tag 2.810), Weight (tag 2.811) and Place of Birth (tag 2.815), Investigator Contract Information) tag 2.8106.	
IRP	C	2.892	International Countries to Search				0	30	This tag becomes mandatory when an International Search Request (tag 2.891) is selected.	
	M		• Country Code	N	3	3	1	1		
	O		• File Number	ANS	1	32	0	1		Any RCMP special character
FQO	O	2.893	Fingerprint Quality Override				0	14		
	M		• Finger Number	N	2	2	1	1		
	M		• Reason Code	N	2	2	1	1		
	C		• Description	ANS	1	50	0	1	A description must be entered if the reason code "99" is selected.	Any RCMP special character
FER	C	2.894	Foreign Search Reason	ANS	1	500	0	1	If a foreign search is requested from FBI Search Request (tag 2.874), US States to Search (2.876) or International Search Request (tag 2.891) then this tag becomes mandatory.	Any RCMP special character plus Carriage Return & Line Feed
ACS	M	2.896	Authority for Canadian Search	N	1	1	1	1		
RET	M	2.8005	Retention Code	A	1	1	1	1	The value of this tag must be "N".	
FBI	O	2.8014	FBI File Number	AN	1	9	0	1	This tag becomes available if a FBI Search Request (tag 2.874) is selected.	
LTC	O	2.8018	Latent Type Code	N	1	1	0	1	**Currently Not in Use**. If the CAR N is used to perform a reverse search of an RCMP latent repository then this tag indicates	

Table 5-3: CAR N Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
									whether the latent repository to search is a finger or palm: 1: Finger 2: Palm If this field is not present, latent fingerprint is assumed by default.	
DOB	M	2.8022	Date of Birth	D	8	8	1	1	Enter all zeroes (00000000) if date of birth is unknown or uncertain.	
DPR	M	2.8038	Date Fingerprinted	D	8	8	1	1	If this transaction is rejected because of poor fingerprint quality and the individual is fingerprinted again, then this date should contain the new date and not the original date.	
MFR	C	2.8084	Missing Fingerprint Reason				0	14	Mandatory if less than 14 type-4 records or missing fingerprints.	
	M		• Finger Position Code	N	2	2	1	1		
	M		• Missing Fingerprint Reason Code	A	2	2	1	1	Reason Code FR (FOREIGN) is not available for use by domestic contributors.	
	O		• Missing Fingerprint Date	D	8	8	0	1		
ICI	C	2.8106	Investigator Contact Information				0	1	This tag becomes mandatory if an International Search Request (tag 2.891) is used.	
	M		• Investigator Name	ANS	1	50	1	1		Any RCMP special character
	M		• Investigating Agency Name	ANS	1	50	1	1		Any RCMP special character
	O		• Investigating Section Name	ANS	1	50	0	1		Any RCMP special character
	M		• Contact Telephone Number	N	1	20	1	1		

Table 5-3: CAR N Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
	O		• Contact Fax Number	N	1	20	0	1		
	M		• Contact Mailing Address	ANS	1	200	1	1		Any RCMP special character
	O		• Contact E-mail Address	ANS	1	50	0	1		Any RCMP special character plus At Sign (@) and Underscore (_).
RSTS	O	2.8295	Latent Search Target Set Code	N	1	1	0	6	**Not Currently in use** – If the CAR N is used to perform a reverse search of an RCMP latent repository then this tag indicates repositories that were searched against (Unsolved Latent File (ULF), Special Repositories). Valid values: 1– ULF 2 – Repository 2 3 – Repository 3 4 – Repository 4 5 – Repository 5 6 – Repository 6	
RTSF	O	2.8302	Record Type Search Filter	N	1	1	0	6		
CNON	O	2.8908	Contributor Case/File Number	ANS	1	32	0	1		Any RCMP special character
NVN	M	2.8910	External ICD Version Number	N	3	3	1	1		
STV	M	2.8911	System Table Version Number	N	3	3	1	1		
NFT	M	2.8931	Name of Person Responsible for Transaction	ANS	1	50	1	1		Any RCMP special character
CTRY	O	2.8935	Country of Birth	N	3	3	0	1		
RTX	C	2.8936	Race Description	ANS	1	25	0	1	This tag becomes mandatory if the Race Descent tag (tag 2.814) has a value of "N".	Any RCMP special character

Table 5-3: CAR N Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
NOTF	M	2.8938	Name of Official taking fingerprints	ANS	1	50	1	1		Any RCMP special character
FPCL	M	2.8939	Fingerprints Capture Location	ANS	1	20	1	1		Any RCMP special character

5.4 Type-2 Logical Record: Refugee Transaction (REF)

Table 5-4: REF Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
LEN	M	2.001	Logical Record Length	N	2	7	1	1		
IDC	M	2.002	Image Designation Character	N	1	5	1	1		
IMA	M	2.067	Image Capture Equipment				1	1	Contributors are encouraged to populate this tag in all cases. Electronic Fingerprint Capture Devices certified until March 2015 may treat 2.067 as an Optional tag. Mandatory for new certifications occurring after March 2015.	
	M		Originating Fingerprint Reading System Make	ANS	1	25	1	1		Any RCMP special character
	M		Originating Fingerprint Reading System Model	ANS	1	25	1	1		Any RCMP special character
	M		Originating Fingerprint Reading System Serial Number	ANS	1	50	1	1		Any RCMP special character
DCN	M	2.800	Document Control Number	N	20	20	1	1		
FPS	O	2.801	Fingerprint Section Number	AN	1	7	0	1		
ADR	M	2.802	Address				1	1		
	M		• Apt./Unit # – Street #/Name	ANS	1	50	1	1	A value of "UNKNOWN" and "NO FIXED ADDRESS" is valid	Any RCMP special character
	M		• City	ANS	1	35	1	1	A value of "UNKNOWN" and "NO FIXED ADDRESS" is valid	Any RCMP special character
	O		• Province/State Code	N	2	2	0	1		
	O		• Postal Code/Zip Code	ANS	1	10	0	1	Format of Canadian postal codes: AnA<space> nAn where A is any alphabetic character and n is any digit	Space, hyphen

Table 5-4: REF Transaction: Type-2 Logical Record

Identifier	Cond ition	Tag Number	Tag Name	Chara cter Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
									between 0 and 9.	
	O		• Country	AS	1	35	0	1		Any RCMP special character
	O		• Country Code	N	3	3	0	1		
OCC	O	2.803	Occupation & Employer Name	ANS	1	60	0	1		Any RCMP special character
NAME	M	2.806	Primary Name				1	1	If there are additional names they should be entered in the Other Names/Alias (tag 2.824).	
	M		• Surname	AS	1	24	1	1	A value of "UNKNOWN" is acceptable.	Space, Hyphen, Apostrophe, Period
	M		• Given Name 1	AS	1	15	1	1	A value of "UNKNOWN" is acceptable.	Space, Hyphen, Apostrophe, Period
	O		• Given Name 2	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	C		• Given Name 3	AS	1	15	0	1	Can only be populated if Given 2 is populated.	Space, Hyphen, Apostrophe, Period
	C		• Given Name 4	AS	1	15	0	1	Can only be populated if Given 3 is populated.	Space, Hyphen, Apostrophe, Period
SEX	M	2.807	Sex	A	1	1	1	1		
HAI	M	2.808	Hair Colour	N	2	2	1	1		
EYE	M	2.809	Eye Colour	A	1	1	1	2		
HGT	M	2.810	Height	N	1	3	1	1	Enter 0 if the height is unknown. This tag is also used when an FBI search (tag 2.874) or an International Search (tag 2.891) is selected.	
WGT	M	2.811	Weight	N	1	3	1	1	Enter 0 if the weight is unknown. This tag is also used when an FBI search (tag 2.874) or an International Search (tag 2.891) is selected.	
RACE	C	2.814	Race Descent	A	1	1	0	1	This tag becomes mandatory when an FBI search (tag 2.874) or an	

Table 5-4: REF Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
									International Search (tag 2.891) is selected.	
POB	C	2.815	Place of Birth	A	1	1	0	1	This tag becomes mandatory when an FBI search (tag 2.874) or an International Search (tag 2.891) is selected.	
CTR	O	2.817	Response to Agency Identifier	AN	6	9	0	1	Reserved for future use	
LGF	M	2.819	Language Flag	A	1	1	1	1		
CPX	O	2.822	Complexion	N	4	4	0	1		
MKS	O	2.823	Marks, Scars, Tattoos				0	50		
	M		• Mark/Scar/Tattoo Code	A	1	1	1	1		
	M		• Body Location Code	N	3	3	1	1		
	O		• Description	ANS	1	20	0	1		Any RCMP special character and "?"
OTN	O	2.824	Other Names/Alias				0	40		
	M		• Surname	AS	1	24	1	1		Space, Hyphen, Apostrophe, Period
	O		• Given Name 1	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	C		• Given Name 2	AS	1	15	0	1	Can only be populated if Given 1 is populated.	Space, Hyphen, Apostrophe, Period
	C		• Given Name 3	AS	1	15	0	1	Can only be populated if Given 2 is populated.	Space, Hyphen, Apostrophe, Period
	C		• Given Name 4	AS	1	15	0	1	Can only be populated if Given 3 is populated.	Space, Hyphen, Apostrophe, Period
NMG	O	2.827	Narrative Message	ANS	1	1000	0	1		Any RCMP special character plus Carriage Return & Line Feed
SFBI	C	2.874	FBI Search Request	A	1	1	0	1	When a FBI search is requested the following tags become mandatory; Foreign Search Reason (tag 2.894), Race Descent (tag 2.814), Hair Colour	

Table 5-4: REF Transaction: Type-2 Logical Record

Identifier	Cond ition	Tag Number	Tag Name	Chara cter Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
									(tag 2.808), Eye Colour (tag 2.809), Height (tag 2.810), Weight (tag 2.811) and Place of Birth (tag 2.815).	
USS	O	2.876	US States to Search				0	52	When a US States search is requested the following tags become mandatory; FBI Search Request (tag 2.874), Foreign Search Reason (tag 2.894), Race Descent (tag 2.814), Hair Colour (tag 2.808), Eye Colour (tag 2.809), Height (tag 2.810), Weight (tag 2.811), Place of Birth (tag 2.815) and Investigator Contract Information) tag 2.8106.	
	M		• State Code	N	2	2	1	1		
	O		• State File Number	ANS	1	32	0	1		Any RCMP special character
COB	M	2.883	City of Birth	ANS	1	35	1	1		Any RCMP special character
POE	M	2.884	Port of Entry	ANS	1	50	1	1		Any RCMP special character
DOE	M	2.885	Date of Entry	D	8	8	1	1		
RID	O	2.886	Refugee File Number	N	12	12	0	1		
CIC	M	2.887	CBSA/CIC Office Number	ANS	1	16	1	1		Any RCMP special character
FOSS	M	2.888	Field Operational Support System Number	ANS	1	16	1	1		Any RCMP special character
ISR	O	2.891	International Search Request	A	1	1	0	1	When an International search is requested the following tags become mandatory; International Countries to Search (tag 2.892), Foreign Search Reason (tag 2.894), Race Descent (tag 2.814), Hair Colour (tag 2.808), Eye Colour (tag 2.809), Height (tag 2.810), Weight (tag 2.811), Investigator	

Table 5-4: REF Transaction: Type-2 Logical Record

Identifier	Cond ition	Tag Number	Tag Name	Chara cter Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
									Contract Information tag 2.8106 and Place of Birth (tag 2.815).	
IRP	C	2.892	International Countries to Search				0	30	This tag becomes mandatory when an International Search Request (tag 2.891) is selected.	
	M		• Country Code	N	3	3	1	1		
	O		• File Number	ANS	1	32	0	1		Any RCMP special character
FQO	O	2.893	Fingerprint Quality Override				0	14		
	M		• Finger Number	N	2	2	1	1		
	M		• Reason Code	N	2	2	1	1		
	C		• Description	ANS	1	50	0	1	A description must be entered if the reason code "99" is selected.	Any RCMP special character
FER	C	2.894	Foreign Search Reason	ANS	1	500	0	1	If a foreign search is requested from FBI Search Request (tag 2.874), US States to Search (tag 2.876) or International Search Request (tag 2.891) then this tag becomes mandatory.	Any RCMP special character plus Carriage Return and Line Feed.
RET	M	2.8005	Retention Code	A	1	1	1	1	The value of the tag must be "Y".	
FBI	O	2.8014	FBI File Number	AN	1	9	0	1	This tag becomes available if a FBI Search Request (tag 2.874) is selected.	
DOB	M	2.8022	Date of Birth	D	8	8	1	1	Subject's age cannot be less than 12 year or greater than 130 years based on the DOB and Date Fingerprinted. A valid date must be entered. 00000000 (Unknown DOB) is not allowed.	
DPR	M	2.8038	Date Fingerprinted	D	8	8	1	1	If this transaction is rejected because of poor fingerprint quality and the individual is fingerprinted again, then this date should contain the new date and not the original date.	

Table 5-4: REF Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
MFR	C	2.8084	Missing Fingerprint Reason				0	14	Mandatory if less than 14 type-4 records or missing fingerprints.	
	M		• Finger Position Code	N	2	2	1	1		
	M		• Missing Fingerprint Reason Code	A	2	2	1	1	Reason Code FR (FOREIGN) is not available for use by domestic contributors.	
	O		• Missing Fingerprint Date	D	8	8	0	1		
ICI	C	2.8106	Investigator Contact Information				0	1	This tag becomes mandatory if an International Search Request (tag 2.891) is used.	
	M		• Investigator Name	ANS	1	50	1	1		Any RCMP special character
	M		• Investigating Agency Name	ANS	1	50	1	1		Any RCMP special character
	O		• Investigating Section Name	ANS	1	50	0	1		Any RCMP special character
	M		• Contact Telephone Number	N	1	20	1	1		
	O		• Contact Fax Number	N	1	20	0	1		
	M		• Contact Mailing Address	ANS	1	200	1	1		Any RCMP special character, Carriage Return, Line Feed
	O		• Contact E-mail Address	ANS	1	50	0	1		Any RCMP special character plus At Sign (@) and Underscore (_).
NVN	M	2.8910	External ICD Version Number	N	3	3	1	1		
STV	M	2.8911	System Table Version Number	N	3	3	1	1		
FNM	M	2.8924	Father's Name				1	1		
	M		• Surname	AS	1	24	1	1		Space, Hyphen, Apostrophe, Period

Table 5-4: REF Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
	O		• Given Name 1	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	C		• Given Name 2	AS	1	15	0	1	Can only be populated if Given 1 is populated.	Space, Hyphen, Apostrophe, Period
	C		• Given Name 3	AS	1	15	0	1	Can only be populated if Given 2 is populated.	Space, Hyphen, Apostrophe, Period
	C		• Given Name 4	AS	1	15	0	1	Can only be populated if Given 3 is populated.	Space, Hyphen, Apostrophe, Period
MNM	M	2.8925	Mother's Name				1	1		
	M		• Surname/Maiden	AS	1	24	1	1		Space, Hyphen, Apostrophe, Period
	O		• Given Name 1	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	C		• Given Name 2	AS	1	15	0	1	Can only be populated if Given 1 is populated.	Space, Hyphen, Apostrophe, Period
	C		• Given Name 3	AS	1	15	0	1	Can only be populated if Given 2 is populated.	Space, Hyphen, Apostrophe, Period
	C		• Given Name 4	AS	1	15	0	1	Can only be populated if Given 3 is populated.	Space, Hyphen, Apostrophe, Period
NFT	M	2.8931	Name of Person Responsible for Transaction	ANS	1	50	1	1		Any RCMP special character
CTRY	M	2.8935	Country of Birth	N	3	3	1	1		
RTX	C	2.8936	Race Description	ANS	1	25	0	1	This tag becomes mandatory if the Race Descent tag (tag 2.814) has a value of "N".	Any RCMP special character
NOTF	M	2.8938	Name of Official taking fingerprints	ANS	1	50	1	1		Any RCMP special character
FPCL	M	2.8939	Fingerprints Capture Location	ANS	1	20	1	1		Any RCMP special character

5.5 Type-2 Logical Record: Miscellaneous Applicant Civil Transaction (MAP)

Table 5-5: MAP Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence Min	Field Size per Occurrence Max	Occurrences Min	Occurrences Max	Notes	Special Characters Allowed
LEN	M	2.001	Logical Record Length	N	2	7	1	1		
IDC	M	2.002	Image Designation Character	N	1	5	1	1		
IMA	M	2.067	Image Capture Equipment				1	1	Contributors are encouraged to populate this tag in all cases. Electronic Fingerprint Capture Devices certified until March 2015 may treat 2.067 as an Optional tag. Mandatory for new certifications occurring after March 2015.	
	M		Originating Fingerprint Reading System Make	ANS	1	25	1	1		Any RCMP special character
	M		Originating Fingerprint Reading System Model	ANS	1	25	1	1		Any RCMP special character
	M		Originating Fingerprint Reading System Serial Number	ANS	1	50	1	1		Any RCMP special character
DCN	M	2.800	Document Control Number	N	20	20	1	1		
FPS	O	2.801	Fingerprint Section Number	AN	1	7	0	1		
ADR	C	2.802	Address				0	1	This tag is required if the agency is, according to agency profile, required to capture and submit the civil application address for the civil application type being processed.	
	M		• Apt./Unit # – Street #/Name	ANS	1	50	1	1		Any RCMP special character
	M		• City	ANS	1	35	1	1		Any RCMP special character
	C		• Province/State Code	N	2	2	0	1	This tag becomes mandatory if the Country Code selected is 124 (Canada) or 840 (United States).	

Table 5-5: MAP Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
	C		• Postal Code/Zip Code	ANS	1	10	0	1	This tag becomes mandatory if the Country Code selected is 124 (Canada) or 840 (United States). Format of Canadian postal codes: AnA<space>nAn where A is any alphabetic character and n is any digit between 0 and 9.	Space, hyphen
	C		• Country	AS	1	35	0	1	This tag becomes mandatory if the Country Code selected is 998 (Other).	Any RCMP special character
	M		• Country Code	N	3	3	1	1		
OCC	O	2.803	Occupation & Employer Name	ANS	1	60	0	1		Any RCMP special character
IRN	O	2.804	Contributor Individual Reference Number	ANS	1	32	0	1	It will be returned in the SRE in the tag Contributor Supplied Information (tag 2.8920).	Any RCMP special character
NAME	M	2.806	Primary Name				1	1	If there are additional names they should be entered in the Other Names/Alias (tag 2.824). If the subject has only one name, it is to be entered as both a Surname and Given Name 1.	
	M		• Surname	AS	1	24	1	1		Space, Hyphen, Apostrophe, Period
	M		• Given Name 1	AS	1	15	1	1		Space, Hyphen, Apostrophe, Period
	O		• Given Name 2	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	C		• Given Name 3	AS	1	15	0	1	Can only be populated if Given 2 is populated.	Space, Hyphen, Apostrophe, Period
	C		• Given Name 4	AS	1	15	0	1	Can only be populated if Given 3 is populated.	Space, Hyphen, Apostrophe, Period
SEX	M	2.807	Sex	A	1	1	1	1	Unknown is not allowed.	
HAI	C	2.808	Hair Colour	N	2	2	0	1	This tag becomes mandatory when an FBI search (tag 2.874) or an International Search (tag 2.891) is selected.	
EYE	C	2.809	Eye Colour	A	1	1	0	2	This tag becomes mandatory when an FBI search (tag 2.874) or an International Search (tag 2.891) is selected.	

Table 5-5: MAP Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
HGT	C	2.810	Height	N	1	3	0	1	Enter 0 if the height is unknown. This tag becomes mandatory when an FBI search (tag 2.874) or an International Search (tag 2.891) is selected.	
WGT	C	2.811	Weight	N	1	3	0	1	Enter 0 if the weight is unknown. This tag becomes mandatory when an FBI search (tag 2.874) or an International Search (tag 2.891) is selected.	
CTR	C	2.817	Response to Agency Identifier	AN	6	9	0	1	When 2.8900 SRS equals 2 (Respond to Agency) This tag becomes mandatory and must contain the Agency Identifier (ORI) for another agency that is accredited for MAP transactions and is authorized to receive civil search results by email.	
LGF	M	2.819	Language Flag	A	1	1	1	1		
OTN	C	2.824	Other Names/Alias				0	40	If the application type (tag 2.869) is 50 – NAME CHANGE this tag shall contain the subjects' previous name.	
	M		• Surname	AS	1	24	1	1		Space, Hyphen, Apostrophe, Period
	O		• Given Name 1	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	O		• Given Name 2	AS	1	15	0	1	Can only be populated if Given 1 is populated.	Space, Hyphen, Apostrophe, Period
	O		• Given Name 3	AS	1	15	0	1	Can only be populated if Given 2 is populated.	Space, Hyphen, Apostrophe, Period
	O		• Given Name 4	AS	1	15	0	1	Can only be populated if Given 3 is populated.	Space, Hyphen, Apostrophe, Period
NMG	O	2.827	Narrative Message	ANS	1	1000	0	1		Any RCMP special character plus Carriage Return & Line Feed
LOR	C	2.833	Language of Result	N	1	1	0	1	This tag is conditional on the Application Type	

Table 5-5: MAP Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
									(tag 2.869) i.e., it is only applicable to certain civil application types. See Table 4-18: 2.869 – MAP Application Types Codes for details.	
PYT	C	2.838	Payment Type	N	1	1	0	1	If the Application Type (tag 2.869) indicates a fee is required, then this tag becomes mandatory.	
BBID	C	2.849	Bulk Billing Agency Identifier	AN	7	7	0	1	If the Application Type (tag 2.869) indicates a fee is required and the payment type is bulk billing, then this tag becomes mandatory.	
ATS	C	2.850	Application Type Specify	ANS	1	50	0	1	This tag becomes mandatory if the Application Type (tag 2.869) is 7, 25, 39, 20, or 22	Any RCMP special character
APT	M	2.869	Application Type				1	1		
	M		• Application Type	N	1	2	1	1		
	C		• Sub-Type	N	4	4	0	1	This tag is mandatory if required as per Application Type table (see Table 4-18: 2.869 for details).	
VAO	C	2.870	Vulnerable Sector Consent Number One – Authentication Obtained Indicator	N	1	1	0	1	This tag becomes mandatory and only applicable if Employment in the Vulnerable Sector (tag 2.8943) is selected. Setting this tag to 1 (Yes) then requires a Type 14 (Biometric consent) be included.	
VCL	C	2.871	Volunteer Confirmation Letter Verified Indicator	N	1	1	0	1	This tag becomes mandatory and only applicable if the Application Type (tag 2.869) value given is 25.	
TPW	C	2.872	Third-Party Waiver Authentication Obtained Indicator	N	1	1	0	1	This tag becomes mandatory if either the Send Results (tag 2.8900) has a value of 4 or the Send Results (tag 2.8900) has a value of 1 and the contributor is not 3rd Party Waiver exempt for the Application Type in question. Setting this tag to 1 (Yes) then requires a Type 14 (Biometric consent) be included.	
DIS	C	2.873	Details of Information Sought	ANS	1	300	0	1	This tag becomes mandatory if the Application Type (tag 2.869) is 10 with a subtype code of 1003.	Any RCMP special character

Table 5-5: MAP Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
SFBI	O	2.874	FBI Search Request	A	1	1	0	1	When a FBI search is requested the following tags become mandatory; Foreign Search Reason (tag 2.894), Hair Colour (tag 2.808), Eye Colour (tag 2.809), Height (tag 2.810), and Weight (tag 2.811).	
RID	O	2.886	Refugee File Number	N	12	12	0	1		
CIC	O	2.887	CBSA/CIC Office Number	ANS	1	16	0	1		Any RCMP special character
FOSS	O	2.888	Field Operational Support System Number	ANS	1	16	0	1		Any RCMP special character
BCID	C	2.889	Biometric Consent Image Designator	N	2	5	0	1	This tag becomes mandatory if the value of Vulnerable Sector consent Number One – Authentication Obtained Indicator (tag 2.870) has a value of 1 ("Yes") or if the value of Third-Party Waiver Authentication Obtained Indicator (tag 2.872) has a value of 1 (Yes).	
ISR	O	2.891	International Search Request	A	1	1	0	1	When an International search is requested the following tags become mandatory; International Countries to Search (tag 2.892), Foreign Search Reason (tag 2.894), Hair Colour (tag 2.808), Eye Colour (tag 2.809), Height (tag 2.810) and Weight (tag 2.811).	
IRP	C	2.892	International Countries to Search				0	5	This tag becomes mandatory when an International Search Request (tag 2.891) is selected.	
	M		• Country Code	N	3	3	1	1		
	O		• File Number	ANS	1	32	0	1		
FQO	O	2.893	Fingerprint Quality Override				0	14		
	M		• Finger Number	N	2	2	1	1		
	M		• Reason Code	N	2	2	1	1		
	C		• Description	ANS	1	50	0	1	This tag becomes mandatory if the reason code	Any RCMP special

Table 5-5: MAP Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
									selected is "99".	character
FER	C	2.894	Foreign Search Reason	ANS	1	500	0	1	This tag becomes mandatory when FBI Search Request (tag 2.874) or International Search Request (tag 2.891) have been selected.	Any RCMP special character
RET	M	2.8005	Retention Code	A	1	1	1	1		
DOB	M	2.8022	Date of Birth	D	8	8	1	1	Subjects DOB must be 12 years of age or older. User must enter a valid date. 00000000 (unknown DOB) is not allowed.	
DPR	M	2.8038	Date Fingerprinted	D	8	8	1	1	If this transaction is rejected because of poor fingerprint quality and the individual is fingerprinted again, then this date should contain the new date and not the original date.	
MFR	C	2.8084	Missing Fingerprint Reason				0	14	Mandatory if less than 14 type-4 records or missing fingerprints.	
	M		• Finger Position Code	N	2	2	1	1		
	M		• Missing Fingerprint Reason Code	A	2	2	1	1	Reason Code FR (FOREIGN) is not available for use by domestic contributors.	
	O		• Missing Fingerprint Date	D	8	8	0	1		
SRS	M	2.8900	Send Results	N	1	1	1	1		
RTA	C	2.8903	Return Mailing Address				0	1	This tag becomes mandatory if the Send Results (tag 2.8900) has a value of 3 or 4.	
	M		• Attention Name	ANS	1	40	1	1		Any RCMP special character
	M		• Address Line 1	ANS	1	50	1	1		Any RCMP special character
	O		• Address Line 2	ANS	1	50	0	1		Any RCMP special character
	O		• Address Line 3	ANS	1	50	0	1	Can only be populated if Address Line 2 is populated.	Any RCMP special character
	M		• City	ANS	1	35	1	1		Any RCMP special character

Table 5-5: MAP Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
	C		• Province/State Code	N	2	2	0	1	This tag becomes mandatory if the Country Code selected is 124 (Canada) or 840 (United States).	
	C		• Postal Code/Zip Code	ANS	1	10	0	1	This tag becomes mandatory if the Country Code selected is 124 (Canada) or 840 (United States). Format of Canadian postal codes: AnA<space> nAn where A is any alphabetic character and n is any digit between 0 and 9.	Space, hyphen
	C		• Country	AS	1	35	0	1	This tag becomes mandatory if the Country Code selected is 998 (Other).	Any RCMP special character
	M		• Country Code	N	3	3	1	1	If the selected Country is Canada or United States a Province/State Code and Postal Code/ Zip Code must be entered.	
CNON	O	2.8908	Contributor Case/File Number	ANS	1	32	0	1		Any RCMP special character
NVN	M	2.8910	External ICD Version Number	N	3	3	1	1		
STV	M	2.8911	System Table Version Number	N	3	3	1	1		
NFT	M	2.8931	Name of Person Responsible for Transaction	ANS	1	50	1	1		Any RCMP special character
TEL	O	2.8934	Telephone Number				0	1		
	O		• Area Code	N	1	3	0	1		
	M		• Telephone Number	N	1	20	1	1		
	O		• Telephone Extension	N	1	5	0	1		
NOTF	M	2.8938	Name of Official taking fingerprints	ANS	1	50	1	1		Any RCMP special character
FPCL	M	2.8939	Fingerprints Capture Location	ANS	1	20	1	1		Any RCMP special character
EVSI	O	2.8943	Employment in	N	1	1	0	1	This tag is only available to Police Agencies.	

Table 5-5: MAP Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
			Vulnerable Sector Indicator							
VSD	C	2.8944	Vulnerable Sector Details				0	1	This tag is mandatory when the Vulnerable Sector Indicator (tag 2.8943) is set to 1.	
	M		• Description of Position	ANS	1	100	1	1		Any RCMP special character
	M		• Name of Person or Organization	ANS	1	100	1	1		Any RCMP special character
	M		• Details Regarding Children or Vulnerable Person(s)	ANS	1	100	1	1		Any RCMP special character

5.6 Type-2 Logical Record: Search Results (SRE)

Table 5-6: SRE Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
LEN	M	2.001	Logical Record Length	N	2	7	1	1		
IDC	M	2.002	Image Designation Character	N	1	5	1	1		
DCN	M	2.800	Document Control Number	N	20	20	1	1		
CTR	O	2.817	Response to Agency Identifier	AN	6	9	0	1		
NMG	O	2.827	Narrative Message	ANS	1	1000	0	1		Any RCMP special character plus Carriage Return & Line Feed
ATS	O	2.850	Application Type Specify	ANS	1	50	0	1		
APT	O	2.869	Application Type				0	1		
	M		Application Type	N	1	2	1	1		
	C		Sub-Type	N	4	4	0	1	Mandatory when APT – 2.869 Application Type is equal to: • "Privacy Act Request" (10) or • "Employment (Police)" (34) or • "Name Change" (50)	
RRES	M	2.875	RCMP-NPS Results	A	1	1	1	1		
ESD	O	2.8044	Effective Search Date	D	8	8	0	1		
ACN	O	2.8071	Action to be Taken	ANS	1	300	0	1		Any RCMP special character plus Carriage Return & Line Feed
NVN	M	2.8910	External ICD Version Number	N	3	3	1	1		

Table 5-6: SRE Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
CRS	O	2.8913	Criminal Record				0	1		
	O		• Country	N	3	3	0	1		
	O		• Criminal Record Contents	ANS	1	200000	0	1		Any RCMP special character plus Carriage Return & Line Feed
EVSI	O	2.8943	• Employment in Vulnerable Sector Indicator	N	1	1	0	1	When VS screening has been performed, this tag is set to "1" (Yes) otherwise, the tag is not returned in the SRE transaction.	
CREF	O	2.8952	• Contributor Supplied Reference Information				0	1		
	M		• Surname	AS	1	50	1	1		Space, Period, Hyphen, Apostrophe
	O		• Given Name 1	AS	1	20	0	1		Space, Period, Hyphen, Apostrophe
	O		• Given Name 2	AS	1	20	0	1		Space, Period, Hyphen, Apostrophe
	O		• Given Name 3	AS	1	20	0	1		Space, Period, Hyphen, Apostrophe
	O		• Given Name 4	AS	1	20	0	1		Space, Period, Hyphen, Apostrophe
	O		• Date of Birth	N	8	8	1	1		
	O		• Sex	A	1	1	0	1		
	O		• CIC/CBSA Office Number	ANS	1	16	0	1		
	O		• Field Operational Support System Number	ANS	1	16	0	1		

Table 5-6: SRE Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Char-acter Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
	O		• Contributor Individual Reference Number	ANS	1	32	0	1		
	O		• Contributor Case File Number	ANS	1	32	0	1		
IDI	O	2.8953	• Search Result Information				0	10		
	M		• File Type Searched Code	N	1	2	1	1	Code Table: File Type Searched	
	M		• Search Result Code	A	1	1	1	1	Code Table: Search Result	
	O		• File Number	AN	1	12	0	1	A criminal FPS Number will always be expressed in short format (alphanumeric).	
	O		• Surname	AS	1	50	0	1		Space, Period, Hyphen, Apostrophe
	O		• Given Name 1	AS	1	20	0	1		Space, Period, Hyphen, Apostrophe
	O		• Given Name 2	AS	1	20	0	1		Space, Period, Hyphen, Apostrophe
	O		• Given Name 3	AS	1	20	0	1		Space, Period, Hyphen, Apostrophe
	O		• Given Name 4	AS	1	20	0	1		Space, Period, Hyphen, Apostrophe
	O		• Date of Birth	D	8	8	0	1	May be a partial date "YYYY0000" or "YYYYMM00".	
	O		• Sex	A	1	1	0	1		
	O		• CIC/CBSA Office Number	ANS	1	16	0	1		
	O		• Field Operational Support System Number	ANS	1	16	0	1		

5.7   Type-2 Logical Record: Image Request (IRQ)

Table 5-7: IRQ Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
LEN	M	2.001	Logical Record Length	N	2	7	1	1		
IDC	M	2.002	Image Designation Character	N	1	5	1	1		
LGF	M	2.819	Language Flag	A	1	1	1	1		
ITR	M	2.832	Image Type Requested	N	2	2	1	5		
DCR	O	2.851	DCN Reference Number	N	20	20	0	1	If the DCN is not specified then a composite set is returned where releasable. Where the composite set cannot be released, the best releasable set is returned.	
RLP	O	2.852	Request List of Prints on File	A	1	1	0	1	**Not currently in use:** RTID does not currently support this type of request; a request value of "Y" is ignored.	
CFR	O	2.8105	Composite Fetch Request	N	1	1	0	1	If set to positive then the composite images will be returned. This tag cannot be used in conjunction with a request for a specific DCN.	
OID	C	2.8337	Operator Identifier	AN	6	9	0	1	Mandatory when the contributor identified by tag OAI – 1.008, Originating Agency Identifier, is designated by the RCMP as a Remote Site.	
NVN	M	2.8910	External ICD Version Number	N	3	3	1	1		
STV	M	2.8911	System Table Version Number	N	3	3	1	1		
NFT	M	2.8931	Name of Person Responsible for Transaction	ANS	1	50	1	1		
AFN	M	2.8973	Subject File Identifier				1	1		
	M		File Type Code	N	2	2	1	1		
	M		Subject File Number	AN	1	12	1	1		

5.8   Type-2 Logical Record: Image Request Response (IRR)

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
Table 5-8: IRR Transaction: Type-2 Logical Record										
					Min	Max	Min	Max		
LEN	M	2.001	Logical Record Length	N	2	7	1	1		
IDC	M	2.002	Image Designation Character	N	1	5	1	1		
NMG	O	2.827	Narrative Message	ANS	1	1000	0	1		Any RCMP special character plus Carriage Return & Line Feed
ITR	M	2.832	Image Type Requested	N	2	2	1	5		
DCR	O	2.851	DCN Reference Number	N	20	20	0	1		
LPF	O	2.853	List of Prints on File				0	200	**Not currently in use:** RTID does not currently support the return of this tag when so requested by IRQ tag 2.852 – Request List of Prints on File = "Y".	
	M		• Document Control Number	N	20	20	1	1		
	O		• Date Fingerprinted	N	8	8	0	1		
	O		• Overall Quality Measure	AN	1	10	0	1		
	O		• Palms Available Indicator	N	1	1	0	1		
	O		• Image Resolution	N	2	4	0	1		
	O		• Originating Agency Identifier	AN	7	7	0	1		
FQO	O	2.893	Fingerprint Quality Override				0	14	Specifies the poor fingerprint quality override reasons.	
	M		• Finger Number	N	2	2	1	1		

Table 5-8: IRR Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
	M		• Override Reason Code	N	2	2	1	1		
	O		• Description	ANS	1	50	0	1		Any RCMP special character
AAI	O	2.8021	Added by Agency Identifier	AN	7	7	0	1		
DPR	O	2.8038	Date Fingerprinted	D	8	8	0	1		
SID	M	2.8046	Success Indicator	N	1	1	1	1	When the value of this tag is "0" (No), prints have not been found for the requested file number; no image is returned in this response transaction. When the value of this tag is "1" (Yes), some or all of the requested prints have been found for the requested file number and are returned in this response transaction.	
ACN	O	2.8071	Action to be Taken	ANS	1	300	0	1		Any RCMP special character plus Carriage Return & Line Feed
MFR	O	2.8084	Missing Finger Reason				0	14		
	M		• Finger Position Code	N	2	2	1	1		
	M		• Missing Fingerprint Reason Code	A	2	2	1	1		
	O		• Missing Fingerprint Date	D	8	8	0	1		
OID	O	2.8337	Operator Identifier	AN	6	9	0	1		
NVN	M	2.8910	External ICD Version Number	N	3	3	1	1		

Table 5-8: IRR Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
IDI	C	2.8953	Search Result Information				0	1	This tag shall not be populated when SID – 2.8046 is equal to "0" (No). When populated, the tag provides information on file at the RCMP for the indicated file type and file number.	
	M		File Type Searched Code	N	1	2	1	1	Code Table: File Type Searched Shall be set to the same value as returned in AFN – 2.8973, sub-tag File Type Code.	
	M		Search Result Code	A	1	1	1	1	Shall always be set to value "I" (Positive Identification), based on a match on file number. Transaction type IRR does not support the return of other values in this sub-tag.	
	M		File Number	AN	1	12	1	1	A criminal FPS Number shall always be expressed in short format (alphanumeric). File numbers for other file types are returned as 12 numeric digits.	
	O		Surname	AS	1	50	0	1		Space, Period, Hyphen, Apostrophe
	O		Given Name 1	AS	1	20	0	1		Space, Period, Hyphen, Apostrophe
	O		Given Name 2	AS	1	20	0	1		Space, Period, Hyphen, Apostrophe
	O		Given Name 3	AS	1	20	0	1		Space, Period, Hyphen, Apostrophe
	O		Given Name 4	AS	1	20	0	1		Space, Period, Hyphen, Apostrophe
	O		Date of Birth	D	8	8	0	1	May be a partial date "YYYY0000" or "YYYYMM00".	
	O		Sex	A	1	1	0	1		
	O		CIC/CBSA Office Number	ANS	1	16	0	1		

Table 5-8: IRR Transaction: Type-2 Logical Record

Identifier	Cond ition	Tag Number	Tag Name	Char- acter Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
	O		Field Operational Support System Number	ANS	1	16	0	1		
AFN	M	2.8973	Subject File Identifier				1	1	The sub-tag values echo back what was submitted in the corresponding IRQ transaction.	
	M		File Type Code	N	2	2	1	1		
	M		Subject File Number	AN	1	12	1	1		

5.9 Type-2 Logical Record: Tenprint Transaction Error (ERRT)

Table 5-9: ERRT Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size Per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
LEN	M	2.001	Logical Record Length	N	2	7	1	1		
IDC	M	2.002	Image Designation Character	N	1	5	1	1		
DCN	M	2.800	Document Control Number	N	20	20	1	1		
NMG	O	2.827	Narrative Message	ANS	1	1000	0	1		Any RCMP special character plus Carriage Return & Line Feed
RRES	O	2.875	RCMP-NPS Results	A	1	1	0	1		
EMSG	M	2.8060	Error				1	50		
	M		• Error Code	N	1	5	1	1		
	M		• Error Message	ANS	1	300	1	1		Any RCMP special character
NVN	M	2.8910	External ICD Version Number	N	3	3	1	1		

5.10 Type-2 Logical Record: Image Request Error (ERRI)

Table 5-10: ERRI Transaction: Type-2 Logical Record

Identifier	Condition	Tag Number	Tag Name	Character Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
					Min	Max	Min	Max		
LEN	M	2.001	Logical Record Length	N	2	7	1	1		
IDC	M	2.002	Image Designation Character	N	1	5	1	1		
EMSG	M	2.8060	Error				1	50		
	M		• Error Code	N	1	5	1	1		
	M		• Error Message	ANS	1	300	1	1		Any RCMP special character
NVN	M	2.8910	External ICD Version Number	N	3	3	1	1	Echo of request	

5.11 Type-2 Logical Record: Acknowledgment Tenprint (ACKT)

Identifier	Cond ition	Tag Number	Tag Name	Chara cter Type	Field Size per Occurrence		Occurrences		Notes	Special Characters Allowed
Table 5-11: ACKT Transaction: Type-2 Logical Record										
					Min	Max	Min	Max		
LEN	M	2.001	Logical Record Length	N	2	7	1	1		
IDC	M	2.002	Image Designation Character	N	1	5	1	1		
DCN	M	2.800	Document Control Number	N	20	20	1	1		
NVN	M	2.8910	External ICD Version Number	N	3	3	1	1	Echo of request	

5.12 Type-4 Logical Record: Fingerprint Image Data

All Type-4 data fields are encoded as binary values.

Identifier	Condition	Ta0067 Name	Byte Position	Len	Notes
		Table 5-12: Type-4 Logical Record			
LEN	M	Logical Record Length	1-4	4	The length of this Type-4 record.
IDC	M	Image Designation Character	5	1	The IDC value for this image record.
IMP	M	Impression Type	6	1	Valid codes and the descriptions are found in Table A-3. Only codes 0 to 3 shall be accepted.
FGP	M	Finger Number	7-12	6	Only the first (leftmost) byte of this 6 byte value shall be used to specify a finger position number for the image. Valid codes and descriptions are found in Table A-1. Code values 1 to 14 shall be accepted in the first byte position; any codes appearing in positions 2 through 6 shall be ignored.
ISR	M	Image Scanning Resolution	13	1	The image scanning resolution shall be set to 0 if the minimum scanning resolution is used or 1 if the native scanning resolution is used.
HLL	M	Horizontal Line Length	14-15	2	The number of pixels on the horizontal line length.
VLL	M	Vertical Line Length	16-17	2	The number of horizontal lines contained in the transmitted image.
GCA	M	Grayscale Compression Algorithm	18	1	Binary value 0 denotes no compression. Binary value 1 indicates WSQ compression.
DAT	M	Image Data	19-end		Image data

5.13 Type-10 Logical Record: Facial Image

Identifier	Condition	Tag Number	Tag Name	Char Type	Min Size	Max Size	Min Occurrence	Max Occurrence	Notes
Table 5-13: Type-10 Logical Record									
LEN	M	10.001	Logical Record Length	N	4	8	1	1	
IDC	M	10.002	Image Designation Character	N	1	5	1	1	
IMT	M	10.003	Image Type	A	4	7	1	1	This tag is used to indicate the type of image contained in this record. "FACE" is the only acceptable value.
SRC	M	10.004	Source Agency Identifier	AN	7	7	1	1	
PHD	M	10.005	Photo Date	D	8	8	1	1	
HLL	M	10.006	Horizontal Line Length	N	3	5	1	1	
VLL	M	10.007	Vertical Line Length	N	3	5	1	1	
SLC	M	10.008	Scale Units	N	1	1	1	1	Used to specify the units used to describe the image sampling frequency (pixel density). No Scale is represented as a 0, pixels per inch are represented as a 1 and pixels per centimeter are represented by a 2. • If SLC=0, the only acceptable value for HPS and VPS is 1; and • If SLC>0, HPS and VPS must represent the actual resolution. Ratio of HPS: VPS must be 1:1.
HPS	M	10.009	Horizontal Pixel Scale	N	1	5	1	1	Contributors must round to the nearest whole number. • If SLC=0, the only acceptable value for HPS and VPS is 1; and • If SLC>0, HPS and VPS must represent the actual resolution. Ratio of HPS:VPS must be 1:1.
VPS	M	10.010	Vertical Pixel Scale	N	1	5	1	1	Contributors must round to the nearest whole number. • If SLC=0, the only acceptable value for HPS and VPS is 1; and • If SLC>0, HPS and VPS must represent the actual resolution. Ratio of HPS:VPS must be 1:1.
CGA	M	10.011	Compression Algorithm	A	3	7	1	1	This tag shall be used to specify the type of compression

Table 5-13: Type-10 Logical Record

Identifier	Condition	Tag Number	Tag Name	Char Type	Min Size	Max Size	Min Occurrence	Max Occurrence	Notes
									algorithm used (if any). Valid values are JPEG Baseline (JPEGB) (image was compressed using baseline JPEG) and JPEGL (image was compressed with a lossless mode).
CSP	M	10.012	Colour Space	A	3	5	1	1	For compressed images, the colour space code for baseline JPEG and JFIF shall be"SRGB" or *"YCC"*. An entry of *"GRAY"* shall be used for all grayscale images. This tag shall contain *"RGB"* for uncompressed colour images containing non-interleaved red, green, and blue pixels in that order.
POS	O	10.020	Subject Pose	A	1	1	0	1	This tag is used to describe the pose of the subject. Valid vales are: • F (Full Face Frontal); • R (Right Profile – 90 degree); • L (Left Profile – 90 degree); and • A (Angled Pose). For Civil purposes, the only acceptable value is F (Full Face Frontal). For the angled pose entry "A", tag 10.021 shall contain the offset angle from the full face orientation.
POA	C	10.021	Pose Offset Angle	NS	1	5	0	1	This tag becomes mandatory if the angled pose (A) is used in tag 10.020. The value shall be to a nearest degree. The offset angle shall be measured from the full face pose position and have a range of values from – 180 degrees to +180 degrees. Special character allowed: hyphen.
PXS	O	10.022	Photo Description	A	4	21	0	9	
COM	O	10.200	Comments	ANS	1	500	0	1	Any RCMP special character plus Carriage Return and Line Feed.
DAT	M	10.999	Image Data	B	2	5000000 1	1	1	

5.14 Type-14 Logical Record: Plain Impressions

Identifier	Condition	Tag Number	Tag Name	Char Type	Min Size	Max Size	Min Occurrence	Max Occurrence	Notes
Table 5-14: Type-14 Logical Record									
LEN	M	14.001	Logical Record Length	N	4	8	1	1	
IDC	M	14.002	Image Designation Character	N	1	5	1	1	
IMP	M	14.003	Impression Type	N	1	2	1	1	Value is the appropriate impression code from Table A-3 (0 or 2).
SRC	M	14.004	Source Agency Identifier	AN	7	7	1	1	
TCD	M	14.005	Capture Date	D	8	8	1	1	
HLL	M	14.006	Horizontal Line Length	N	3	5	1	1	
VLL	M	14.007	Vertical Line Length	N	3	5	1	1	
SLC	M	14.008	Scale Units	N	1	1	1	1	Used to specify the units used to describe the image sampling frequency (pixel density). "Pixels per inch" is represented as a 1 and "pixels per centimeter" is represented by a 2. Valid values are 1 or 2.
HPS	M	14.009	Horizontal Pixel Scale	N	1	5	1	1	Contributors must round to the nearest whole number.
VPS	M	14.010	Vertical Pixel Scale	N	1	5	1	1	Contributors must round to the nearest whole number.
CGA	M	14.011	Compression Algorithm	AN	3	7	1	1	This tag shall be used to specify the type of compression algorithm used (if any). Valid values are WSQ, WSQ20 and NONE.
BPX	M	14.012	Bits Per Pixel	N	1	3	1	1	The value shall contain the number of bytes used to represent a pixel. An entry of 8 is required for normal grayscale values of 0 – 255.
FGP	M	14.013	Finger Number Code	N	2	2	1	1	For Biometric Consent Purposes, acceptable values are found in Table 4-34 in section 3.
SEG	C	14.021	Segment Position				0	4	For ID Flats purposes this tag becomes mandatory.
	M		• Finger Number	N	1	2	1	1	For ID Flats, valid values are 01 to 10.
	M		• Left	N	1	4	1	1	
	M		• Right	N	1	4	1	1	

Identifier	Condition	Tag Number	Tag Name	Char Type	Min Size	Max Size	Min Occurrence	Max Occurrence	Notes
			Table 5-14: Type-14 Logical Record						
	M		• Top	N	1	4	1	1	
	M		• Bottom	N	1	4	1	1	
IQM	M	14.022	Image Quality Metric				1	4	
	M		• Finger Number	N	2	2	1	1	Valid values are 01 to 15.
	M		• Quality Score	N	1	2	1	1	
IMTC	M	14.200	Image Type Contained	N	1	1	1	1	Used to specify the type of image contained in the record. Valid values are reflected in Table 4-35 in section 4.3.
DAT	M	14.999	Image Data	B	2	--	1	1	

5.15 Type-15 logical record: Palmprint

Table 5-15: Type-15 Logical Record								
Identifier	**Condition**	**Tag Number**	**Tag Name**	**Char Type**	**Min Size**	**Max Size**	**Min Occurrence**	**Max Occurrence**	**Notes**
LEN	M	15.001	Logical Record Length	N	4	8	1	1	
IDC	M	15.002	Image Designation Character	N	1	5	1	1	
IMP	M	15.003	Impression Type	N	1	2	1	1	Value is the appropriate impression codes from Table A-3. (10, 11)
SRC	M	15.004	Source Agency	AN	7	7	1	1	
PCD	M	15.005	Palmprint Capture Date	D	8	8	1	1	
HLL	M	15.006	Horizontal Line Length	N	3	5	1	1	
VLL	M	15.007	Vertical Line Length	N	3	5	1	1	
SLC	M	15.008	Scale Units	N	1	1	1	1	Used to specify the units used to describe the image sampling frequency (pixel density). "Pixels per inch" is represented as a 1 and "pixels per centimeter" is represented by a 2. Valid values are 1 or 2.
HPS	M	15.009	Horizontal Pixel Scale	N	1	5	1	1	Contributors must round to the nearest whole number.
VPS	M	15.010	Vertical Pixel Scale	N	1	5	1	1	Contributors must round to the nearest whole number.
CGA	M	15.011	Compression Algorithm	AN	3	7	1	1	This tag shall be used to specify the type of compression algorithm used (if any). Valid values are WSQ, WSQ20 and NONE.
BPX	M	15.012	Bits Per Pixel	N	1	3	1	1	The value shall contain the number of bytes used to represent a pixel. An entry of 8 is required for normal grayscale values of 0 – 255.
PLP	M	15.013	Palmprint Position	N	2	3	1	1	The acceptable values are found in Table A-1 (21 to 28).
CMT	O	15.020	Comment	ANS	1	1000	0	1	Any RCMP special character plus Carriage Return and Line Feed.
DAT	M	15.999	Image Data	B	2	-	1	1	

APPENDIX A: TABLES

A.1   Finger/Palm Codes

Table A-1: FINGER/PALM CODES		
Code	English Description	French Description
00	UNKNOWN FINGER	DOIGT INCONNU
01	RIGHT THUMB	POUCE DROIT
02	RIGHT INDEX	INDEX DROIT
03	RIGHT MIDDLE	MAJEUR DROIT
04	RIGHT RING	ANNULAIRE DROIT
05	RIGHT LITTLE	AURICULAIRE DROIT
06	LEFT THUMB	POUCE GAUCHE
07	LEFT INDEX	INDEX GAUCHE
08	LEFT MIDDLE	MAJEUR GAUCHE
09	LEFT RING	ANNULAIRE GAUCHE
10	LEFT LITTLE	AURICULAIRE GAUCHE
11	PLAIN RIGHT THUMB	POUCE DROIT NON-ROULE
12	PLAIN LEFT THUMB	POUCE GAUCHE NON-ROULE
13	PLAIN RIGHT FOUR FINGERS	IMPRESSION SIMULTANEE DES QUATRE DOIGTS DROIT
14	PLAIN LEFT FOUR FINGERS	IMPRESSION SIMULTANEE DES QUATRE DOIGTS GAUCHE
15	PLAIN LEFT AND RIGHT THUMBS	POUCES GAUCHE ET DROIT NON ROULES
20	UNKNOWN PALM	PAUME INCONNUE
21	RIGHT FULL PALM	PAUME DROITE COMPLETE
22	RIGHT WRITER'S PALM	PAUME DROIT – HYPOTHENAR
23	LEFT FULL PALM	PAUME GAUCHE COMPLETE
24	LEFT WRITER'S PALM	PAUME GAUCHE – HYPOTHENAR
25	RIGHT LOWER PALM	PAUME DROITE – PARTIE INFÉRIEURE
26	RIGHT UPPER PALM	PAUME DROITE – PARTIE SUPÉRIEURE
27	LEFT LOWER PALM	PAUME GAUCHE – PARTIE INFÉRIEURE
28	LEFT UPPER PALM	PAUME GAUCHE – PARTIE SUPÉRIEURE
29	RIGHT PALM – OTHER	PAUME DROITE – AUTRE PARTIE
30	LEFT PALM – OTHER	PAUME GAUCHE – AUTRE PARTIE

A.2 Allowable Box Sizes for Finger/Palm Images

Table A-2: FINGER/PALM BOX SIZES

Finger/Palm Print	Impression Type Code (see Table A-3)	Finger/Palm Code (see Table A-1)	Width Pixels (HLL)	Width (inches)	Height Pixels (VLL)	Height (inches)
Rolled Finger Impression (Type-4 Record)	1 or 3	01 – 10	800	1.6	750	1.5
Plain Finger Impression (Type-14 Record)	0 or 2	01 – 10	500	1.0	1000	2.0
Single Plain Thumb Impression (Type-4 & 14 Record)	0 or 2	11 – 12	500	1.0	1000	2.0
Four Finger Plain Impression (Type-4 Record)	0 or 2	13 – 14	1600	3.2	1000	2.0
Four Finger Plain Impression (Type-14 Record)	0 or 2	13 – 14	1600	3.2	1500	3.0
Two Plain Thumb Impression (Type-14 Record)	0 or 2	15	1600	3.2	1500	3.0
Full Palm Impression (Type-15 Record)	10 or 11	21, 23	2750	5.5	4000	8.0
Writer's Palm Impression (Type-15 Record)	10 or 11	22, 24	900	1.8	2500	5.0
Upper or Lower Palm Impression (Type-15 Record)	10 or 11	25, 26, 27, 28	2750	5.5	2750	5.5

Notes:

- For Tenprint transactions, all finger/palm impressions to be transmitted at 500ppi.

- A set of simultaneous plain impressions consisting of two Four Finger Plain Impressions (two Type-14 Records, Left and Right) plus Two Plain Thumb Impression (Type-14 Record) is referred to as Identification Flats or ID Flats.

- Single Plain Thumb Impressions having Finger Codes of 11 or 12 are not permitted under ICD 1.7.8 within Type-14 Records.

- Livescan box sizes must conform to the width and height specifications stated in the table above.

- Cardscan box sizes shall default to the width and height stated in the table above but should be allowed to shrink to permit the removal adjacent fingerprints or extraneous lines.

- The RCMP accepts some variance in box sizes from foreign sources only, where NPS NIST standards cannot be applied. The supported variance limits are documented for RCMP internal reference within specification #37822 Electronic Reception Workflow and Process Descriptors, v.8J. 2015-01-09.

A.3   Impression Type Codes

Table A-3: Impression Types

Code	English Description	French Description	FINGER	PALM
0	LIVESCAN PLAIN	TRACE PLAQUÉE À SEC	Y	
1	LIVESCAN ROLLED	TRACE ROULÉE À SEC	Y	
2	NON-LIVESCAN PLAIN	TRACE PLAQUÉE ENCRÉE	Y	
3	NON-LIVESCAN ROLLED	TRACE ROULÉE ENCRÉE	Y	
4	*LATENT IMPRESSION*	*EMPREINTE LATENTE*	Y	
5	*LATENT TRACING*	*TRAÇAGE – EMPREINTE LATENTE*	Y	
6	*LATENT PHOTO*	*PHOTO – EMPREINTE LATENTE*	Y	
7	*LATENT LIFT*	*DÉCALQUE – EMPREINTE LATENTE*	Y	
10	LIVESCAN PALM	PAUME A SEC		Y
11	NON-LIVESCAN PALM	PAUME ENCREE		Y
12	LATENT PALM IMPRESSION	EMPREINTE PALMAIRE LATENTE		Y
13	*LATENT PALM TRACING*	*TRACAGE – EMPREINTE PALMAIRE LATENTE*		Y
14	*LATENT PALM PHOTO*	*PHOTO – EMPREINTE PALMAIRE LATENTE*		Y
15	*LATENT PALM LIFT*	*DÉCALQUE – EMPREINTE PALMAIRE LATENTE*		Y

Notes:

- LIVESCAN PLAIN (0), LIVESCAN ROLLED (1) or LIVESCAN PALM (10) impression types must be specified for Livescan transactions.

- NON-LIVESCAN PLAIN (2) or NON-LIVESCAN ROLLED (3) or NON-LIVESCAN PALM (11) impression types must be specified for Cardscan transactions.

A.4   Province Codes

Table A-4: PROVINCE CODES / CODES DE PROVINCE				
Numeric Code / Code Numérique	**English Description / Description anglaise**	**French Description / Description française**	**ORI Alpha Code / IND code alpha**	**Canada Post Alpha Code / Postes Canada code alpha**
01	NEWFOUNDLAND AND LABRADOR	TERRE-NEUVE-ET-LABRADOR	NF	NL
02	PRINCE EDWARD ISLAND	ÎLE-DU-PRINCE-ÉDOUARD	PE	PE
03	NOVA SCOTIA	NOUVELLE-ÉCOSSE	NS	NS
04	NEW BRUNSWICK	NOUVEAU-BRUNSWICK	NK	NB
05	QUEBEC	QUÉBEC	PQ	QC
06	ONTARIO	ONTARIO	ON	ON
07	MANITOBA	MANITOBA	MB	MB
08	SASKATCHEWAN	SASKATCHEWAN	SN	SK
09	ALBERTA	ALBERTA	AB	AB
10	BRITISH COLUMBIA	COLOMBIE-BRITANNIQUE	BC	BC
11	NORTH WEST TERRITORIES	TERRITOIRES DU NORD-OUEST	NT	NT
12	YUKON	YUKON	YT	YT
13	NUNAVUT	NUNAVUT	NU	NU

Notes:

1. The listed ORI Alpha Codes are those used in the formulation and validation of RTID Agency Identifiers populated in Record Type-1 tags 1.007 DAI – Destination Agency Identifier and 1. 008 OAI – Originating Agency Identifier. See section 2.2.3 – RTID Agency Identifier for more information on the identifier format.

2. Whenever an address within Canada is printed on an output form or other product, RTID relies on the Canada Post coding convention for mailing purposes. Encoding differences can be observed in the above table specifically for Newfoundland and Labrador, New Brunswick, Quebec and Saskatchewan. The RTID system performs the necessary conversions in order to print the Canada Post mailing code for each province/territory.

A.5   State Codes

All Codes may be used unless otherwise specified in the tag definition.

Table A-5: State Codes / Codes D'état			
Code	**English Description / Description anglaise**	**French Description / Description française**	**US States to search / États américains – Recherche**
20	ALABAMA	ALABAMA	Yes/Oui
21	ALASKA	ALASKA	Yes/Oui
22	ARIZONA	ARIZONA	Yes/Oui
23	ARKANSAS	ARKANSAS	Yes/Oui
24	CALIFORNIA	CALIFORNIE	Yes/Oui
25	COLORADO	COLORADO	Yes/Oui
26	CONNECTICUT	CONNECTICUT	Yes/Oui
27	DELAWARE	DELAWARE	Yes/Oui
28	D.C.	D.C.	Yes/Oui
29	FLORIDA	FLORIDE	Yes/Oui
30	GEORGIA	GÉORGIE	Yes/Oui
31	HAWAII	HAWAÏ	Yes/Oui
32	IDAHO	IDAHO	Yes/Oui
33	ILLINOIS	ILLINOIS	Yes/Oui
34	INDIANA	INDIANA	Yes/Oui
35	IOWA	IOWA	Yes/Oui
36	KANSAS	KANSAS	Yes/Oui
37	KENTUCKY	KENTUCKY	Yes/Oui
38	LOUISIANA	LOUISIANE	Yes/Oui
39	MAINE	MAINE	Yes/Oui
40	MARYLAND	MARYLAND	Yes/Oui
41	MASSACHUSETTS	MASSACHUSETTS	Yes/Oui
42	MICHIGAN	MICHIGAN	Yes/Oui
43	MINNESOTA	MINNESOTA	Yes/Oui
44	MISSISSIPPI	MISSISSIPPI	Yes/Oui
45	MISSOURI	MISSOURI	Yes/Oui
46	MONTANA	MONTANA	Yes/Oui
47	NEBRASKA	NEBRASKA	Yes/Oui
48	NEVADA	NEVADA	Yes/Oui
49	NEW HAMPSHIRE	NEW HAMPSHIRE	Yes/Oui
50	NEW JERSEY	NEW JERSEY	Yes/Oui
51	NEW MEXICO	NOUVEAU-MEXIQUE	Yes/Oui
52	NEW YORK	NEW YORK	Yes/Oui
53	NORTH CAROLINA	CAROLINE DU NORD	Yes/Oui
54	NORTH DAKOTA	DAKOTA DU NORD	Yes/Oui
55	OHIO	OHIO	Yes/Oui

Table A-5: State Codes / Codes D'état

Code	English Description / Description anglaise	French Description / Description française	US States to search / États américains – Recherche
56	OKLAHOMA	OKLAHOMA	Yes/Oui
57	OREGON	OREGON	Yes/Oui
59	PENNSYLVANIA	PENNSYLVANIE	Yes/Oui
60	PUERTO RICO	PORTO RICO	
61	RHODE ISLAND	RHODE ISLAND	Yes/Oui
62	SOUTH CAROLINA	CAROLINE DU SUD	Yes/Oui
63	SOUTH DAKOTA	DAKOTA DU SUD	Yes/Oui
64	TENNESSEE	TENNESSEE	Yes/Oui
65	TEXAS	TEXAS	Yes/Oui
66	UTAH	UTAH	Yes/Oui
67	VERMONT	VERMONT	Yes/Oui
68	VIRGINIA	VIRGINIE	Yes/Oui
69	WASHINGTON	WASHINGTON	Yes/Oui
70	WEST VIRGINIA	VIRGINIE OCCIDENTALE	Yes/Oui
71	WISCONSIN	WISCONSIN	Yes/Oui
72	WYOMING	WYOMING	Yes/Oui
73	VIRGIN ISLANDS (US)	ILES VIERGES (É.U.)	Yes/Oui
74*	WESTERN IDENT NETWORK (IDAHO, MONTANA, NEVADA, OREGON, UTAH, ALASKA)	RÉSEAU D'IDENTIFICATION DE L'OUEST (IDAHO, MONTANA, NEVADA, OREGON, UTAH, ALASKA)	Yes/Oui

Note: Western Ident Network (Idaho, Montana, Nevada, Oregon, Utah, Alaska) Code 74 is for U.S. States searches only and cannot be used in an address.

A.6   Country Codes

All Country Codes may be used unless otherwise specified in the tag definition.

Table A-6: Country Codes / Codes de pays			
Code	**English Description / Description anglaise**	**French Description / Description française**	**International Countries to Search / Pays étrangers – Recherche**
004	AFGHANISTAN	AFGHANISTAN	Yes/Oui
008	ALBANIA	ALBANIE	Yes/Oui
010	ANTARCTICA	ANTARCTIQUE	
012	ALGERIA	ALGÉRIE	Yes/Oui
016	AMERICAN SAMOA	SAMOAS AMÉRICAINES	
020	ANDORRA	ANDORRE	Yes/Oui
024	ANGOLA	ANGOLA	Yes/Oui
028	ANTIGUA AND BARBUDA	ANTIGUA-ET-BARBUDA	Yes/Oui
031	AZERBAIJAN	AZERBAIDJAN	Yes/Oui
032	ARGENTINA	ARGENTINE	Yes/Oui
036	AUSTRALIA	AUSTRALIE	Yes/Oui
040	AUSTRIA	AUTRICHE	Yes/Oui
044	BAHAMAS	BAHAMAS	Yes/Oui
048	BAHRAIN	BAHREIN	Yes/Oui
050	BANGLADESH	BANGLADESH	Yes/Oui
051	ARMENIA	ARMÉNIE	Yes/Oui
052	BARBADOS	BARBADE	Yes/Oui
056	BELGIUM	BELGIQUE	Yes/Oui
060	BERMUDA	BERMUDES	
064	BHUTAN	BHOUTAN	Yes/Oui
068	BOLIVIA	BOLIVIE	Yes/Oui
070	BOSNIA-HERZEGOVINA	BOSNIE-HERZÉGOVINE	Yes/Oui
072	BOTSWANA	BOTSWANA	Yes/Oui
074	BOUVET ISLAND	BOUVET, ÎLE	
076	BRAZIL	BRÉSIL	Yes/Oui
084	BELIZE	BÉLIZE	Yes/Oui
086	BRITISH INDIAN OCEAN TERRITORY	OCÉAN INDIEN, TERRITOIRE BRITANNIQUE	
090	SOLOMON ISLANDS	ILES SALOMON	
092	BRITISH VIRGIN ISLANDS	ÎLES VIERGES BRITANNIQUES	
096	BRUNEI DARUSSALAM	BRUNEI DARUSSALAM	Yes/Oui
100	BULGARIA	BULGARIE	Yes/Oui
104	MYANMAR	MYANMAR	Yes/Oui
108	BURUNDI	BURUNDI	Yes/Oui
112	BELARUS	BELARUS	Yes/Oui

Table A-6: Country Codes / Codes de pays			
Code	**English Description / Description anglaise**	**French Description / Description française**	**International Countries to Search / Pays étrangers – Recherche**
116	CAMBODIA	CAMBODGE	Yes/Oui
120	CAMEROON	CAMEROUN	Yes/Oui
124	CANADA	CANADA	Yes/Oui
132	CAPE VERDE	CAP-VERT	Yes/Oui
136	CAYMAN ISLANDS	ÎLES CAIMANS	
140	CENTRAL AFRICAN REPUBLIC	RÉPUBLIQUE CENTRAFRICAINE	Yes/Oui
144	SRI LANKA	SRI LANKA	Yes/Oui
148	CHAD	TCHAD	Yes/Oui
152	CHILE	CHILI	Yes/Oui
156	CHINA	CHINE	Yes/Oui
158	TAIWAN	TAIWAN	
162	CHRISTMAS ISLAND	ÎLE CHRISTMAS	
166	COCOS (KEELING) ISLANDS	ÎLES COCOS (KEELING)	
170	COLOMBIA	COLOMBIE	Yes/Oui
174	COMOROS	COMORES	Yes/Oui
175	MAYOTTE	MAYOTTE	
178	CONGO	CONGO	Yes/Oui
180	DEMOCRATIC REPUBLIC OF THE CONGO	RÉPUBLIQUE DÉMOCRATIQUE DU CONGO	Yes/Oui
184	COOK ISLANDS	ÎLES COOK	Yes/Oui
188	COSTA RICA	COSTA RICA	Yes/Oui
191	CROATIA	CROATIE	Yes/Oui
192	CUBA	CUBA	Yes/Oui
196	CYPRUS	CHYPRE	Yes/Oui
203	CZECH REPUBLIC	RÉPUBLIQUE TCHÈQUE	Yes/Oui
204	BENIN	BÉNIN	Yes/Oui
208	DENMARK	DANEMARK	Yes/Oui
212	DOMINICA	DOMINIQUE	Yes/Oui
214	DOMINICAN REPUBLIC	RÉPUBLIQUE DOMINICAINE	Yes/Oui
218	ECUADOR	ÉQUATEUR	Yes/Oui
222	EL SALVADOR	EL SALVADOR	Yes/Oui
226	EQUATORIAL GUINEA	GUINÉE ÉQUATORIALE	Yes/Oui
231	ETHIOPIA	ÉTHIOPIE	Yes/Oui
232	ERITREA	ÉRYTHRÉE	Yes/Oui
233	ESTONIA	ESTONIE	Yes/Oui
234	FAEROE ISLANDS	ÎLES FÉROE	
238	FALKLAND ISLANDS (MALVINAS)	ÎLES FALKLAND (MALVINAS)	
242	FIJI	FIDJI	Yes/Oui
246	FINLAND	FINLANDE	Yes/Oui
248	ALAND ISLANDS	ÎLES D'ALAND	

Table A-6: Country Codes / Codes de pays

Code	English Description / Description anglaise	French Description / Description française	International Countries to Search / Pays étrangers – Recherche
250	FRANCE	FRANCE	Yes/Oui
254	FRENCH GUIANA	GUYANE FRANÇAISE	
258	FRENCH POLYNESIA	POLYNÉSIE FRANÇAISE	
260	FRENCH SOUTHERN TERRITORY	TERRES AUSTRALES FRANÇAISES	
262	DJIBOUTI	DJIBOUTI	Yes/Oui
266	GABON	GABON	Yes/Oui
268	GEORGIA	GÉORGIE	Yes/Oui
270	GAMBIA	GAMBIE	Yes/Oui
275	OCCUPIED PALESTINIAN TERRITORY	TERRITOIRE PALESTINIEN OCCUPÉ	
276	GERMANY	ALLEMAGNE	Yes/Oui
288	GHANA	GHANA	Yes/Oui
292	GIBRALTAR	GIBRALTAR	
296	KIRIBATI	KIRIBATI	
300	GREECE	GRÈCE	Yes/Oui
304	GREENLAND	GROËNLAND	
308	GRENADA	GRENADE	Yes/Oui
312	GUADELOUPE	GUADELOUPE	
316	GUAM	GUAM	
320	GUATEMALA	GUATEMALA	Yes/Oui
324	GUINEA	GUINÉE	Yes/Oui
328	GUYANA	GUYANA	Yes/Oui
332	HAITI	HAÏTI	Yes/Oui
334	HEARD AND MCDONALD ISLANDS	ÎLES HEARD ET MCDONALD	
336	HOLY SEE	SAINT-SIÈGE	
340	HONDURAS	HONDURAS	Yes/Oui
344	HONG KONG	HONG KONG	
348	HUNGARY	HONGRIE	Yes/Oui
352	ICELAND	ISLANDE	Yes/Oui
356	INDIA	INDE	Yes/Oui
360	INDONESIA	INDONÉSIE	Yes/Oui
364	IRAN	IRAN	Yes/Oui
368	IRAQ	IRAQ	Yes/Oui
372	IRELAND	IRLANDE	Yes/Oui
376	ISRAEL	ISRAËL	Yes/Oui
380	ITALY	ITALIE	Yes/Oui
384	IVORY COAST	COTE D'IVOIRE	Yes/Oui
388	JAMAICA	JAMAÏQUE	Yes/Oui
392	JAPAN	JAPON	Yes/Oui
398	KAZAKHSTAN	KAZAKHSTAN	Yes/Oui
400	JORDAN	JORDANIE	Yes/Oui

Table A-6: Country Codes / Codes de pays

Code	English Description / Description anglaise	French Description / Description française	International Countries to Search / Pays étrangers – Recherche
404	KENYA	KÉNYA	Yes/Oui
408	DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA	RÉPUBLIQUE POPULAIRE DÉMOCRATIQUE DE CORÉE	
410	REPUBLIC OF KOREA	RÉPUBLIQUE DE CORÉE	Yes/Oui
414	KUWAIT	KOWEIT	Yes/Oui
417	KYRGYZSTAN	KIRGHIZISTAN	Yes/Oui
418	LAO PEOPLE'S DEMOCRATIC REPUBLIC	RÉPUBLIQUE DÉMOCRATIQUE POPULAIRE LAO	Yes/Oui
422	LEBANON	LIBAN	Yes/Oui
426	LESOTHO	LESOTHO	Yes/Oui
428	LATVIA	LETTONIE	Yes/Oui
430	LIBERIA	LIBÉRIA	Yes/Oui
434	LIBYAN ARAB JAMAHIRIYA	JAMAHIRIYA ARABE LIBYENNE	Yes/Oui
438	LIECHTENSTEIN	LIECHTENSTEIN	Yes/Oui
440	LITHUANIA	LITUANIE	Yes/Oui
442	LUXEMBOURG	LUXEMBOURG	Yes/Oui
446	MACAU	MACAU	
450	MADAGASCAR	MADAGASCAR	Yes/Oui
454	MALAWI	MALAWI	Yes/Oui
458	MALAYSIA	MALAISIE	Yes/Oui
462	MALDIVES	MALDIVES	Yes/Oui
466	MALI	MALI	Yes/Oui
470	MALTA	MALTE	Yes/Oui
474	MARTINIQUE	MARTINIQUE	
478	MAURITANIA	MAURITANIE	Yes/Oui
480	MAURITIUS	MAURICE	Yes/Oui
484	MEXICO	MEXIQUE	Yes/Oui
492	MONACO	MONACO	Yes/Oui
496	MONGOLIA	MONGOLIE	Yes/Oui
498	REPUBLIC OF MOLDOVA	RÉPUBLIQUE DE MOLDOVA	Yes/Oui
499	MONTENEGRO	MONTÉNÉGRO	
500	MONTSERRAT	MONTSERRAT AMÉRIQUES	
504	MOROCCO	MAROC	Yes/Oui
508	MOZAMBIQUE	MOZAMBIQUE	Yes/Oui
512	OMAN	OMAN	Yes/Oui
516	NAMIBIA	NAMIBIE	Yes/Oui
520	NAURU	NAURU	Yes/Oui
524	NEPAL	NÉPAL	Yes/Oui
528	NETHERLANDS	PAYS-BAS	Yes/Oui
530	NETHERLANDS ANTILLES	ANTILLES NÉERLANDAISES	Yes/Oui

Table A-6: Country Codes / Codes de pays			
Code	English Description / Description anglaise	French Description / Description française	International Countries to Search / Pays étrangers – Recherche
533	ARUBA	ARUBA	Yes/Oui
540	NEW CALEDONIA	NOUVELLE-CALÉDONIE	
548	VANUATU	VANUATU	
554	NEW ZEALAND	NOUVELLE-ZÉLANDE	Yes/Oui
558	NICARAGUA	NICARAGUA	Yes/Oui
562	NIGER	NIGER	Yes/Oui
566	NIGERIA	NIGÉRIA	Yes/Oui
570	NIUE	NIOUE	
574	NORFOLK ISLAND	ÎLE NORFOLK	
578	NORWAY	NORVÈGE	Yes/Oui
580	NORTHERN MARIANA ISLANDS	ÎLES MARIANNES SEPTENTRIONALES	
583	MICRONESIA	MICRONÉSIE	
584	MARSHALL ISLANDS	ÎLES MARSHALL	Yes/Oui
585	PALAU	PALAOS	
586	PAKISTAN	PAKISTAN	Yes/Oui
591	PANAMA	PANAMA	Yes/Oui
598	PAPUA NEW GUINEA	PAPOUASIE-NOUVELLE-GUINÉE	Yes/Oui
600	PARAGUAY	PARAGUAY	Yes/Oui
604	PERU	PÉROU	Yes/Oui
608	PHILIPPINES	PHILIPPINES	Yes/Oui
612	PITCAIRN	PITCAIRN	
616	POLAND	POLOGNE	Yes/Oui
620	PORTUGAL	PORTUGAL	Yes/Oui
624	GUINEA-BISSAU	GUINÉE-BISSAU	Yes/Oui
626	TIMOR-LESTE	TIMOR-LESTE	Yes/Oui
630	PUERTO RICO	PORTO RICO	
634	QATAR	QATAR	Yes/Oui
638	REUNION	RÉUNION	
642	ROMANIA	ROUMANIE	Yes/Oui
643	RUSSIAN FEDERATION	FÉDÉRATION DE RUSSIE	Yes/Oui
646	RWANDA	RWANDA	Yes/Oui
654	SAINT HELENA	SAINTE-HÉLÈNE	
659	SAINT KITTS AND NEVIS	SAINT-KITTS-ET-NÉVIS	Yes/Oui
660	ANGUILLA	ANGUILLA	
662	SAINT LUCIA	SAINTE-LUCIE	Yes/Oui
666	SAINT PIERRE AND MIQUELON	SAINT-PIERRE-ET-MIQUELON	
670	SAINT VINCENT AND THE GRENADINES	SAINT-VINCENT-ET-LES GRENADINES	Yes/Oui
674	SAN MARINO	SAINT-MARIN	
678	SAO TOME AND PRINCIPE	SAO TOME-ET-PRINCIPE	Yes/Oui

Table A-6: Country Codes / Codes de pays

Code	English Description / Description anglaise	French Description / Description française	International Countries to Search / Pays étrangers – Recherche
682	SAUDI ARABIA	ARABIE SAOUDITE	Yes/Oui
686	SENEGAL	SÉNÉGAL	Yes/Oui
688	SERBIA	SERBIE	Yes/Oui
690	SEYCHELLES	SEYCHELLES	Yes/Oui
694	SIERRA LEONE	SIERRA LEONE	Yes/Oui
702	SINGAPORE	SINGAPOUR	Yes/Oui
703	SLOVAKIA	SLOVAQUIE	Yes/Oui
704	VIET NAM	VIET NAM	Yes/Oui
705	SLOVENIA	SLOVÉNIE	Yes/Oui
706	SOMALIA	SOMALIE	Yes/Oui
710	SOUTH AFRICA	AFRIQUE DU SUD	Yes/Oui
716	ZIMBABWE	ZIMBABWE	Yes/Oui
724	SPAIN	ESPAGNE	Yes/Oui
728	SOUTH SUDAN	SOUDAN DU SUD	Yes/Oui
729	SUDAN	SOUDAN	
732	WESTERN SAHARA	SAHARA OCCIDENTAL	
740	SURINAME	SURINAME	Yes/Oui
744	SVALBARD AND JAN MAYEN ISLANDS	ÎLES SVALBARD ET JAN MAYEN	
748	SWAZILAND	SWAZILAND	Yes/Oui
752	SWEDEN	SUÈDE	Yes/Oui
756	SWITZERLAND	SUISSE	Yes/Oui
760	SYRIAN ARAB REPUBLIC	RÉPUBLIQUE ARABE SYRIENNE	Yes/Oui
762	TAJIKISTAN	TADJIKISTAN	Yes/Oui
764	THAILAND	THAÏLANDE	Yes/Oui
768	TOGO	TOGO	Yes/Oui
772	TOKELAU	TOKELAOU	
776	TONGA	TONGA	Yes/Oui
780	TRINIDAD AND TOBAGO	TRINITÉ-ET-TOBAGO	Yes/Oui
784	UNITED ARAB EMIRATES	ÉMIRATS ARABES UNIS	Yes/Oui
788	TUNISIA	TUNISIE	Yes/Oui
792	TURKEY	TURQUIE	Yes/Oui
795	TURKMENISTAN	TURKMENISTAN	Yes/Oui
796	TURKS AND CAICOS ISLANDS	ÎLES TURQUES ET CAÏQUES	
798	TUVALU	TUVALU	
800	UGANDA	OUGANDA	Yes/Oui
804	UKRAINE	UKRAINE	Yes/Oui
807	MACEDONIA	MACÉDOINE	Yes/Oui
818	EGYPT	ÉGYPTE	Yes/Oui
826	UNITED KINGDOM	ROYAUME-UNI	Yes/Oui

Table A-6: Country Codes / Codes de pays			
Code	**English Description / Description anglaise**	**French Description / Description française**	**International Countries to Search / Pays étrangers – Recherche**
830	CHANNEL ISLANDS	ÎLES ANGLO-NORMANDES	
831	GUERNSEY	GUERNESEY	
832	JERSEY	JERSEY	
833	ISLE OF MAN	ÎLE DE MAN	
834	UNITED REPUBLIC OF TANZANIA	RÉPUBLIQUE-UNIE DE TANZANIE	Yes/Oui
840	UNITED STATES OF AMERICA	ÉTATS-UNIS D'AMÉRIQUE	Yes/Oui
850	UNITED STATES VIRGIN ISLANDS	ÎLES VIERGES AMÉRICAINES	
854	BURKINA FASO	BURKINA FASO	Yes/Oui
858	URUGUAY	URUGUAY	Yes/Oui
860	UZBEKISTAN	OUZBÉKISTAN	Yes/Oui
862	VENEZUELA	VÉNÉZUELA	Yes/Oui
876	WALLIS AND FUTUNA ISLANDS	ÎLES WALLIS ET FUTUNA	
882	SAMOA	SAMOA	
887	YEMEN	YEMEN	Yes/Oui
894	ZAMBIA	ZAMBIE	Yes/Oui
998*	OTHER	AUTRE	
999	UNKNOWN	INCONNU	

* For use if country is not on the list. Country Name must be captured in the sub-field "Country" by the Text Operator.

A.7   Federal Statutes Table Export File Specifications

A.7.1   INTRODUCTION

All external agencies authorized by the RCMP to submit retainable electronic Criminal Tenprint CAR-Y transactions shall make reference to standard charge information provided in the Real Time Identification (RTID) Federal Statutes Table when reporting charges laid in court against an individual.

When changes to legislation occur, the RCMP publishes an updated set of charges to external agencies which encompasses recent legislative provisions coming into force or repealed from commonly referenced federal statutes such as the Criminal Code of Canada.

This document section provides a specification for the file format prepared by the RCMP and distributed electronically to CAR-Y contributors.

A.7.2   VERSION NUMBER REVISION

Each published revision of the Federal Statutes Table is associated with a three-digit version number which serves to uniquely identify a particular release of the charge data.

For a Contributor operating a device certified for NPS ICD version 1.7.7 or 1.7.8, each CAR-Y transaction must contain mandatory tag 2.831 Federal Statutes Table Version Number, representing the three-digit version number of the Federal Statutes Table used by that device. When the charge data is loaded for use on or after the implementation date published by the RCMP, Contributors must ensure that the value configured is set to the new version number.

A.7.3   EXPORT FILE FORMAT

The RCMP provides export files of charge data containing ASCII data formatted as comma-separated values (CSV), one record per available Charge occurrence for federal statutes defined to the RTID system.

The CSV data-formatting conventions incorporated into the Charge export file are supported by most desktop office suites; the file can be viewed and filtered using Microsoft Excel or comparable software product.

Each record within the export file contains 29 positional fields describing one Charge occurrence. Each field value is wrapped front and back with Quote (") characters (ASCII "22" hexadecimal). A field having no value is shown as two consecutive Quotes (""). Adjacent fields are separated by single Comma (,) characters (ASCII "2C" hexadecimal).

Table A-7 below provides information about each data field populated within a CSV-formatted record.

Table A-7: CSV-Formatted Charge Data

Field Number	Field Name	Data Type	Min Length	Max Length	Description
1	Charge Identifier	N	1	7	A system-assigned number uniquely identifying a charge occurrence.
2	Statute Code	A	1	1	An alpha code identifying a specific federal statute per the NPS ICD code set.
3	Section Number	ANS	1	20	A Section Number within the statute containing offence and/or punishment provisions. Can contain Brackets "(", ")", Hyphen "-" and/or Decimal Point "." characters.
4	Wording Number	N	1	2	A sequence number within Statute Code and Section Number. The composite key of Statute Code + Section Number + Wording Number may also be used to uniquely identify a charge occurrence.
5	Caution Flag	A	0	1	An alpha code identifying a charge-related caution as per the ICD code set. Refer to Table 4-6: 2.816 in section 4.4 – Type-2 Data Definitions for the list of codes and descriptions. A null value ("") signifies no caution applies.
6	Offence Codes	A	1	4	One to four single-character offence category codes as per Table A-7-2.
7	Trial Method Code	A	1	1	An alpha code identifying the trial method of proceeding as per Table A-7-3.
8	Attempt/Conspiracy Code	A	0	1	An alpha code denoting a Criminal Code provision for an Attempt to commit ("A") or Conspiracy to commit ("C") an offence. Refer to Table A-7-4 for the list of codes and descriptions. A null value ("") signifies no Attempt or Conspiracy applies.
9	Wording – Line 1 – English	ANS	1	26	Line 1 of the charge wording expressed in English.
10	Wording – Line 2 – English	ANS	0	26	Line 2 of the charge wording expressed in English.
11	Wording – Line 3 – English	ANS	0	26	Line 3 of the charge wording expressed in English.
12	Wording – Line 4 – English	ANS	0	26	Line 4 of the charge wording expressed in English.
13	Wording – Line 5 – English	ANS	0	26	Line 5 of the charge wording expressed in English.
14	Wording – Line 6 – English	ANS	0	26	Line 6 of the charge wording expressed in English
15	Wording – Line 7 – English	ANS	0	26	Line 7 of the charge wording expressed in English.
16	Wording – Line 1 – French	ANS	1	26	Line 1 of the charge wording expressed in French.
17	Wording – Line 2 – French	ANS	0	26	Line 2 of the charge wording expressed in French.
18	Wording – Line 3 – French	ANS	0	26	Line 3 of the charge wording expressed in French.
19	Wording – Line 4 – French	ANS	0	26	Line 4 of the charge wording expressed in French.

Table A-7: CSV-Formatted Charge Data

Field Number	Field Name	Data Type	Min Length	Max Length	Description
20	Wording – Line 5 – French	ANS	0	26	Line 5 of the charge wording expressed in French.
21	Wording – Line 6 – French	ANS	0	26	Line 6 of the charge wording expressed in French.
22	Wording – Line 7 – French	ANS	0	26	Line 7 of the charge wording expressed in French.
23	Summary Only Code	A	0	1	An alpha code valued as "S" to denote a charge where the trial method of proceeding can only be summary – no indictable variant is available. A null value signifies Summary Only does not apply.
24	Proclamation Date	NS	10	10	The date on which the charge comes into force, formatted in notation "YYYY-MM-DD".
25	Expiry Date	NS	10	10	The last date on which the charge shall be enforced, currently formatted in timestamp notation "YYYY-MM-DD". All charges currently in force contain an expiry date set in the future, such as 2050-01-01.
26	Create UID	AN	11	11	An identifier assigned by the RCMP that is specific to the person who creates this charge.
27	Create Timestamp	NS	26	26	The date/time when the charge was created by the RCMP. All values are expressed in date/time notation including microseconds "YYYY-MM-DD-hh.mm.ss.nnnnnn".
28	Modify UID	AN	11	11	An identifier assigned by the RCMP that is specific to the person who last modifies this charge.
29	Modify Timestamp	NS	26	26	The date/time when the charge was last modified by the RCMP. All values are expressed in date/time notation including microseconds "YYYY-MM-DD-hh.mm.ss.nnnnnn".

The following table defines the set of Offence Codes currently supported by RTID. Offence codes are posted to the CPIC Criminal Record. Multiple codes can appear in combination for any one charge occurrence populated in the table.

Table A-8: Federal Statutes Table Field #6 – Offence Codes

Code	English Description	French Description
A	Theft Auto	Vol d'auto
D	Drugs	Drogues
F	Fail To Appear	Défaut de comparaître
G	Break & Enter	Introduction par effraction
H	Fraud	Fraude

Table A-8: Federal Statutes Table Field #6 – Offence Codes

Code	English Description	French Description
K	Sex	Sexe
L	Driving Offence	Infraction relative à la conduite d'un véhicule
M	Other Criminal Code Offence	Autre infraction Code criminel
O	Robbery	Vol qualifié
R	Arson	Incendie criminel
T	Theft	Vol
U	Other Federal Statutes	Autres lois fédérales
V	Violence	Violence
W	Offensive Weapon	Arme offensive

The following table defines the set of codes currently supported by RTID for Trial Method of Proceeding available to the crown for a particular charge occurrence.

Table A-9: Federal Statutes Table Field #7 – Trial Method Code

Code	English Description	French Description
A	Administrative (RESERVED FOR FUTURE USE)	Administratif (RÉSERVÉ POUR UTILISATION FUTURE)
D	Hybrid – Indictable or Summary	mise en accusation – Mise en accusation ou sommaire
I	Indictable	Mise en accusation
S	Summary	Procédure sommaire

The following table defines the set of Attempt/Conspiracy codes currently supported by RTID.

Table A-10: Federal Statutes Table Field #8 – Attempt/Conspiracy Code

Code	English Description	French Description
A	Attempt (per Section 463 CC)	Tentative (par art 463 CC)
C	Conspiracy (per Section 465 CC)	Complot (par art 465 CC)
F	Accessory After The Fact (RESERVED FOR FUTURE USE)	Complice après le fait (RÉSERVÉ POUR UTILISATION FUTURE)

APPENDIX B: SUMMARY TAG LIST FOR TRANSACTIONS TO THE RCMP

Table B-1: Summary Tag List for Transactions to the RCMP						
Tag Number	**Tag Id**	**CAR Y**	**CAR N**	**MAP**	**REF**	**IRQ**
2.001	LEN	M	M	M	M	M
2.002	IDC	M	M	M	M	M
2.067	IMA	M	M	M	M	
2.800	DCN	M	M	M	M	
2.801	FPS	O	O	O	O	C
2.802	ADR	M	O	C	M	
2.803	OCC	O	O	O	O	
2.804	IRN	O	O	O		
2.806	NAME	M	M	M	M	O
2.807	SEX	M	M	M	M	O
2.808	HAI	C	C	C	M	
2.809	EYE	C	C	C	M	
2.810	HGT	M	C	C	M	
2.811	WGT	M	C	C	M	
2.814	RACE	C	C		C	
2.815	POB	M	O		C	
2.816	FLG	O				
2.817	CTR	O	O	O	O	
2.818	YPF	O				
2.819	LGF	M	M	M	M	M
2.822	CPX	O	O		M	
2.823	MKS	O	O		O	
2.824	OTN	O	O	C	O	
2.826	NTS	O				
2.827	NMG		O	O	O	O
2.829	CHG	M				
2.831	CGV	M				
2.832	ITR					M
2.833	LOR			C		
2.838	PYT			C		
2.849	BBID			C		
2.850	ATS			C		
2.851	DCR					O
2.852	RLP					O
2.853	LPF					
2.869	APT			M		
2.870	VAO			C		
2.871	VCL			C		
2.872	TPW			C		
2.873	DIS			C		

Table B-1: Summary Tag List for Transactions to the RCMP

Tag Number	Tag Id	CAR Y	CAR N	MAP	REF	IRQ
2.874	SFBI	C	C	O	C	
2.875	RRES					
2.876	USS	O	O		O	
2.883	COB	M	O		M	
2.884	POE	C	O		M	
2.885	DOE	C	O		M	
2.886	RID	O	O	O	O	C
2.887	CIC	O	O	O	M	
2.888	FOSS	O	O	O	M	
2.889	BCID			C		
2.891	ISR	O	O	O	O	
2.892	IRP	C	C	C	C	
2.893	FQO	O	O	O	O	
2.894	FER	C	C	C	C	
2.896	ACS		M			
2.8005	RET	M	M	M	M	
2.8011	NOK	O				
2.8014	FBI	O			O	
2.8022	DOB	M	M	M	M	O
2.8038	DPR	M	M	M	M	
2.8044	ESD					
2.8045	DOA	M				
2.8046	SID					
2.8059	SRF					
2.8060	EMSG					
2.8071	ACN					
2.8084	MFR	C	C	C	C	
2.8105	CFR					O
2.8106	ICI	C	C		C	
2.8111	DOD					
2.8337	OID					C
2.8900	SRS			M		
2.8903	RTA			C		
2.8908	CNON	O	O	O		
2.8910	NVN	M	M	M	M	M
2.8911	STV	M	M	M	M	M
2.8912	ISRF					
2.8913	CRS					
2.8920	CSI					
2.8924	FNM				M	
2.8925	MNM				M	
2.8931	NFT	M	M	M	M	M
2.8933	GNA	O				
2.8934	TEL			O		

Table B-1: Summary Tag List for Transactions to the RCMP

Tag Number	Tag Id	CAR Y	CAR N	MAP	REF	IRQ
2.8935	CTRY	C	O		M	
2.8936	RTX	C	C		C	
2.8938	NOTF	M	M	M	M	
2.8939	FPCL	M	M	M	M	
2.8943	EVSI			O		
2.8944	VSD			C		
2.8973	AFN					M

APPENDIX C: SUMMARY TAG LIST FOR TRANSACTIONS FROM THE RCMP

Table C-1: Summary Tag List for Transactions from the RCMP						
Tag Number	**Tag ID**	**SRE**	**IRR**	**ERRT**	**ERRI**	**ACKT**
2.001	LEN	M	M	M	M	M
2.002	IDC	M	M	M	M	M
2.067	IMA					
2.800	DCN	M		M		M
2.801	FPS	O	O			
2.802	ADR					
2.803	OCC					
2.804	IRN					
2.806	NAME	O	O			
2.807	SEX	O	O			
2.808	HAI					
2.809	EYE					
2.810	HGT					
2.811	WGT					
2.814	RACE					
2.815	POB					
2.816	FLG					
2.817	CTR	O				
2.818	YPF					
2.819	LGF					
2.822	CPX					
2.823	MKS					
2.824	OTN					
2.826	NTS					
2.827	NMG	O	O	O		
2.829	CHG					
2.831	CGV					
2.832	ITR		M			
2.833	LOR					
2.838	PYT					
2.848	CCI					
2.849	BBID					
2.850	ATS	O				
2.851	DCR		O			
2.852	RLP					

Table C-1: Summary Tag List for Transactions from the RCMP						
Tag Number	**Tag ID**	**SRE**	**IRR**	**ERRT**	**ERRI**	**ACKT**
2.853	LPF		O			
2.869	APT	O				
2.870	VAO					
2.871	VCL					
2.872	TPW					
2.873	DIS					
2.874	SFBI					
2.875	RRES	M		O		
2.876	USS					
2.883	COB					
2.884	POE					
2.885	DOE					
2.886	RID	O	O			
2.887	CIC	O				
2.888	FOSS	O				
2.889	BCID					
2.891	ISR					
2.892	IRP					
2.893	FQO		O			
2.894	FER					
2.896	ACS					
2.8005	RET					
2.8011	NOK					
2.8014	FBI	O				
2.8022	DOB	O	O			
2.8038	DPR		O			
2.8044	ESD	O				
2.8045	DOA					
2.8046	SID		M			
2.8059	SRF	O				
2.8060	EMSG			M	M	
2.8071	ACN	O	O			
2.8084	MFR		O			
2.8105	CFR					
2.8106	ICI					
2.8111	DOD					
2.8337	OID		O			
2.8900	SRS					
2.8903	RTA					

Table C-1: Summary Tag List for Transactions from the RCMP

Tag Number	Tag ID	SRE	IRR	ERRT	ERRI	ACKT
2.8908	CNON					
2.8910	NVN	M	M	M	M	M
2.8911	STV					
2.8912	ISRF	O				
2.8913	CRS	O				
2.8920	CSI	O				
2.8924	FNM					
2.8925	MNM					
2.8931	NFT					
2.8933	GNA					
2.8934	TEL					
2.8935	CTRY					
2.8936	RTX					
2.8938	NOTF					
2.8939	FPCL					
2.8943	EVSI					
2.8944	VSD					
2.8952	CREF	O				
2.8953	IDI	O	C			
2.8973	AFN		M			

APPENDIX D: DATA DICTIONARY OF RCMP-DEFINED TAGS

Table D-1: Data Dictionary

Tag Number	Identifier	Tag Name	Pick List	Character Type	Min Field Size	Max Field Size
1.001	LEN	Logical Record Length		N	2	3
1.002	VER	ANSI/NIST Version Number		N	4	4
1.003	CNT	File Content				
		• Information Item 1		N	1	2
		• Information Item 2		N	1	5
1.004	TOT	Type of Transaction		A	3	5
1.005	DAT	Date		N	8	8
1.006	PRY	Priority		N	1	1
1.007	DAI	Destination Agency Identifier		AN	7	7
1.008	OAI	Originating Agency Identifier		AN	7	7
1.009	TCN	Transaction Control Number		N	13	13
1.010	TCR	Transaction Control Reference Number		N	13	13
1.011	NSR	Native Scanning Resolution		NS	5	5
1.012	NTR	Nominal Transmitting Resolution		NS	5	5
1.014	GMT	Greenwich Mean Time		AN	15	15
2.001	LEN	Logical Record Length		N	2	7
2.002	IDC	Image Designation Character		N	1	5
2.067	IMA	Image Capture Equipment				
		Originating Fingerprint Reading System Make		ANS	1	25
		Originating Fingerprint Reading System Model		ANS	1	25
		Originating Fingerprint Reading System Serial Number		ANS	1	50
2.800	DCN	Document Control Number		N	20	20
2.801	FPS	Fingerprint Section Number		AN	1	7
2.802	ADR	Address				
		• Apt./Unit # – Street #/Name		ANS	1	50
		• City		ANS	1	35
		• Province / State Code	Y	N	2	2
		• Postal Code / Zip Code		ANS	1	10
		• Country		AS	1	35
		• Country Code	Y	N	3	3
2.803	OCC	Occupation & Employer Name		ANS	1	60
2.804	IRN	Contributor Individual Reference Number		ANS	1	32
2.806	NAME	Primary Name				
		• Surname		AS	1	24

Table D-1: Data Dictionary

Tag Number	Identifier	Tag Name	Pick List	Character Type	Min Field Size	Max Field Size
		• Given Name 1		AS	1	15
		• Given Name 2		AS	1	15
		• Given Name 3		AS	1	15
		• Given Name 4		AS	1	15
2.807	SEX	Sex	Y	A	1	1
2.808	HAI	Hair Colour	Y	N	2	2
2.809	EYE	Eye Colour	Y	A	1	1
2.810	HGT	Height		N	1	3
2.811	WGT	Weight		N	1	3
2.814	RACE	Race Descent	Y	A	1	1
2.815	POB	Place of Birth	Y	A	1	1
2.816	FLG	Caution Flags	Y	A	1	1
2.817	CTR	Response to Agency Identifier		AN	6	9
2.818	YPF	Young Person Flag		A	1	1
2.819	LGF	Language Flag		A	1	1
2.822	CPX	Complexion	Y	N	4	4
2.823	MKS	Marks, Scars, Tattoos				
		• Mark/Scar/Tattoo Code	Y	A	1	1
		• Body Location Code	Y	N	3	3
		• Description		ANS	1	20
2.824	OTN	Other Names/Alias				
		• Surname		AS	1	24
		• Given Name 1		AS	1	15
		• Given Name 2		AS	1	15
		• Given Name 3		AS	1	15
		• Given Name 4		AS	1	15
2.826	NTS	Notepad Message				
		• Date/Time		N	14	14
		• Message Author		AS	1	50
		• Message		ANS	1	700
2.827	NMG	Narrative Message		ANS	1	1000
2.829	CHG	Charge Information				
		• Charge Number		N	3	3
		• Offence Date		N	8	8
		• Investigating Agency		ANS	1	24
		• Occurrence Number		ANS	1	20
		• Number of Counts		N	3	3
		• Young Person Flag		A	1	1

Table D-1: Data Dictionary

Tag Number	Identifier	Tag Name	Pick List	Character Type	Min Field Size	Max Field Size
		• Court Information Number		ANS	1	15
		• Statute of the charge	Y	AN	1	2
		• Section Number of charge	Y	ANS	1	20
		• Wording Number	Y	N	1	2
		• Section # of an Attempt or Conspiracy or Accessory After The Fact	Y	ANS	1	38
		• Charge Status Flag		A	1	1
		• Free Form Flag		A	1	1
		• Charge Description 1		ANS	1	26
		• Charge Description 2		ANS	1	26
		• Charge Description 3		ANS	1	26
		• Charge Description 4		ANS	1	26
		• Charge Description 5		ANS	1	26
		• Charge Description 6		ANS	1	26
		• Charge Description 7		ANS	1	26
		• Offence Information Code	Y	A	1	1
		• Victim Age Group Code	Y	A	1	1
		Victim Sex Code	Y	A	1	1
		Publication Ban Indicator	Y	N	1	1
2.831	CGV	Federal Statutes Table Version Number		N	3	3
2.832	ITR	Image Type Requested	Y	N	2	2
2.833	LOR	Language of Result	Y	N	1	1
2.838	PYT	Payment Type	Y	N	1	1
2.849	BBID	Bulk Billing Agency Identifier		AN	7	7
2.850	ATS	Application Type Specify		ANS	1	50
2.851	DCR	DCN Reference Number		N	20	20
2.852	RLP	Request List of Prints on File		A	1	1
2.853	LPF	List of Prints on File				
		• Document Control Number		N	20	20
		• Date Fingerprinted		N	8	8
		• Overall Quality Measure		AN	1	10
		• Palms Available Indicator		N	1	1
		• Image Resolution		N	2	4
		• Originating Agency Identifier		AN	7	7
2.869	APT	Application Type				
		• Application Type	Y	N	1	2

Table D-1: Data Dictionary

Tag Number	Identifier	Tag Name	Pick List	Character Type	Min Field Size	Max Field Size
		• Sub-Type	Y	N	4	4
2.870	VAO	Vulnerable Sector Consent Number One – Authentication Obtained Indicator		N	1	1
2.871	VCL	Volunteer Confirmation Letter Verified Indicator		N	1	1
2.872	TPW	Third-Party Waiver Authentication Obtained Indicator		N	1	1
2.873	DIS	Details of Information Sought		ANS	1	300
2.874	SFBI	FBI Search Request		A	1	1
2.875	RRES	RCMP-NPS Results	Y	A	1	1
2.876	USS	US States to Search				
		• State Code	Y	N	2	2
		• State File Number		ANS	1	32
2.883	COB	City of Birth		ANS	1	35
2.884	POE	Port of Entry		ANS	1	50
2.885	DOE	Date of Entry		N	8	8
2.886	RID	Refugee File Number		N	12	12
2.887	CIC	CBSA/CIC Office Number		ANS	1	16
2.888	FOSS	Field Operational Support System Number		ANS	1	16
2.889	BCID	Biometric Consent Image Designator		N	2	5
2.891	ISR	International Search request		A	1	1
2.892	IRP	International Countries to Search				
		• Country Code	Y	N	3	3
		• File Number		ANS	1	32
2.893	FQO	Fingerprint Quality Override				
		• Finger Number	Y	N	2	2
		• Override Reason Code	Y	N	2	2
		• Description		ANS	1	50
2.894	FER	Foreign Search Reason		ANS	1	500
2.896	ACS	Authority for Canadian Search	Y	N	1	1
2.8005	RET	Retention Code		A	1	1
2.8011	NOK	Next Of Kin				
		• Surname		AS	1	24
		• Given Name 1		AS	1	15
		• Given Name 2		AS	1	15
		• Given Name 3		AS	1	15
		• Given Name 4		AS	1	15
		• Relationship of Next of Kin	Y	N	1	2
		• Next of Kin Address		ANS	1	200

Table D-1: Data Dictionary

Tag Number	Identifier	Tag Name	Pick List	Character Type	Min Field Size	Max Field Size
2.8014	FBI	FBI File Number		AN	1	9
2.8022	DOB	Date of Birth		N	8	8
2.8038	DPR	Date Fingerprinted		N	8	8
2.8044	ESD	Effective Search Date		N	8	8
2.8045	DOA	Date of Arrest		N	8	8
2.8046	SID	Success Indicator		N	1	1
2.8059	SRF	Criminal Search Result Findings	Y	A	1	1
2.8060	EMSG	Error				
		• Error Code	Y	N	1	5
		• Error Message		ANS	1	300
2.8071	ACN	Action to be Taken		ANS	1	300
2.8084	MFR	Missing Fingerprint Reason				
		• Finger Position Code	Y	N	2	2
		• Missing Fingerprint Reason Code	Y	A	2	2
		• Missing Fingerprint Date		N	8	8
2.8105	CFR	Composite Fetch Request		N	1	1
2.8106	ICI	Investigator Contact Information				
		• Investigator Name		ANS	1	50
		• Investigating Agency Name		ANS	1	50
		• Investigating Section Name		ANS	1	50
		• Contact Telephone Number		N	1	20
		• Contact Fax Number		N	1	20
		• Contact Mailing Address		ANS	1	200
		• Contact E-mail Address		ANS	1	50
2.8111	DOD	Date of Death		N	8	8
2.8337	OID	Operator Identifier		AN	6	9
2.8900	SRS	Send Results	Y	N	1	1
2.8903	RTA	Return Mailing Address				
		• Attention Name		ANS	1	40
		• Address Line 1		ANS	1	50
		• Address Line 2		ANS	1	50
		• Address Line 3		ANS	1	50
		• City		ANS	1	35
		• Province / State Code	Y	N	2	2
		• Postal Code / Zip Code		ANS	1	10
		• Country		AS	1	35
		• Country Code	Y	N	3	3
2.8908	CNON	Contributor Case/File Number		ANS	1	32

Table D-1: Data Dictionary

Tag Number	Identifier	Tag Name	Pick List	Character Type	Min Field Size	Max Field Size
2.8910	NVN	External ICD Version Number		N	3	3
2.8911	STV	System Table Version Number		N	3	3
2.8912	ISRF	Refugee Search Results Findings	Y	A	1	1
2.8913	CRS	Criminal Record				
		• Country Code	Y	N	3	3
		• Criminal Record Contents		ANS	1	200000
2.8920	CSI	Contributor Supplied Information				
		• Individual Reference Number/FOSS#		ANS	1	32
		• Contributor File Number/ CBSA/CIC Number		ANS	1	32
2.8924	FNM	Father's Name				
		• Surname		AS	1	24
		• Given Name 1		AS	1	15
		• Given Name 2		AS	1	15
		• Given Name 3		AS	1	15
		• Given Name 4		AS	1	15
2.8925	MNM	Mother's Name				
		• Surname/Maiden		AS	1	24
		• Given Name 1		AS	1	15
		• Given Name 2		AS	1	15
		• Given Name 3		AS	1	15
		• Given Name 4		AS	1	15
2.8931	NFT	Name of Person Responsible for Transaction		ANS	1	50
2.8933	GNA	Gang Affiliation				
		• Gang Name		ANS	1	50
		• Gang Type	Y	N	2	2
		• Gang City Location		ANS	1	50
2.8934	TEL	Telephone Number				
		• Area Code		N	1	3
		• Telephone Number		N	1	20
		• Extension		N	1	5
2.8935	CTRY	Country of Birth	Y	N	3	3
2.8936	RTX	Race Description		ANS	1	25
2.8938	NOTF	Name of Official taking fingerprints		ANS	1	50
2.8939	FPCL	Fingerprints Capture Location		ANS	1	20
2.8943	EVSI	Employment in Vulnerable Sector Indicator		N	1	1

Table D-1: Data Dictionary

Tag Number	Identifier	Tag Name	Pick List	Character Type	Min Field Size	Max Field Size
2.8944	VSD	Vulnerable Sector Details				
		• Description of Position		ANS	1	100
		• Name of Person or Organization		ANS	1	100
		• Details Regarding Children or Vulnerable Person(s)		ANS	1	100
2.8952	CREF	Contributor Supplied Reference Information		AS		
		• Surname		AS	1	50
		• Given Name 1		AS	1	20
		• Given Name 2		AS	1	20
		• Given Name 3		AS	1	20
		• Given Name 4		AS	1	20
		• Date of Birth		N	8	8
		• Sex		A	1	1
		• CIC/CBSA Office Number		ANS	1	16
		• Field Operational Support System Number		ANS	1	16
		• Individual Reference Number		ANS	1	32
		• Contributor Case File Number		ANS	1	32
2.8953	IDI	Search Result Information				
		• File Type Search Code		N	1	2
		• Search Code Result		A	1	1
		• File Number		AN	1	12
		• Surname		AS	1	50
		• Given Name 1		AS	1	20
		• Given Name 2		AS	1	20
		• Given Name 3		AS	1	20
		• Given Name 4		AS	1	20
		• Date of Birth		N	8	8
		• Sex		A	1	1
		• CIC/CBSA Office Number		ANS	1	16
		• Field Operational Support System Number		ANS	1	16
2.8973	AFN	Subject File Identifier				
		• File Type Code		N	2	2
		• Subject File Number		AN	1	12

Table D-1: Data Dictionary

Tag Number	Identifier	Tag Name	Pick List	Character Type	Min Field Size	Max Field Size
10.200	COM	Comments		ANS	1	500
14.021	SEG	Segmented Position				
		• Finger Number	Y	N	2	2
		• Left		N	1	4
		• Right		N	1	4
		• Top		N	1	4
		• Bottom		N	1	4
14.022	IQM	Image Quality Metric				
		• Finger Number	Y	N	2	2
		• Quality Score		N	1	2
14.200	IMTC	Image Type Contained	Y	N	1	1

APPENDIX E: LIST OF ACRONYMS

Note that additional terms can be found in Table D-1: Data Dictionary above.

Table E-1: List of Acronyms	
Acronym	**Definition**
AAI	Added by Agency Identifier (record layout field name or tag)
ACKL	Acknowledgement Latent
ACKT	Acknowledgement Tenprint
AFIS	Automated Fingerprint Identification System
ASCII	American Standard Code for Information Interchange (standard and text file format)
BPX	Bits per Pixel (Type-14 record layout field name)
C-216	The RCMP-NPS Criminal Fingerprint Form
C-216C	The RCMP-NPS Civil Fingerprint Form
CAR N	Criminal Tenprint Transaction Retain=N
CAR Y	Criminal Tenprint Transaction Retain=Y
CBSA	Canadian Border Services Agency
CCI	Credit Card Information (record layout field name or tag)
CCRTIS	Canadian Criminal Real Time Identification Services
CGA	Colour Graphics Adapter (compression algorithm – Type-14 record layout field name or tag)
CIBIS	Canadian Immigration Biometric Identification System
CIC	Citizenship and Immigration Canada
CMT	Comment
CPIC	Canadian Police Information Centre
CR	Carriage Return
CSM	Civil Screening Modernization
CSP	Colour Space (record layout field name)
CSV	Comma-Separated Value (file format)
DSB	Departmental Security Branch
DT	Date/Time
EBTS	Electronic Biometric Transmission Specification
EFCD	Electronic Fingerprint Capture Device

Table E-1: List of Acronyms

Acronym	Definition
EMS	Electronic Mugshot System
ERRI	Error Image Request
ERRL	Error Latent Transaction
ERRT	Error Tenprint Transaction
FAST	Free and Secure Trade Program
FER	Foreign Search Reason (record layout field name or tag)
FGP	Finger Position Code
FR	Foreign
^F_S	File/record-type Separator
GCA	Greyscale Compression Algorithm (record layout field name or tag)
GCMS	Global Case Management System (CIC)
GRC	Gendarmerie Royale du Canada
^G_S	Group/tag Separator
HLL	Horizontal Line Length (record layout tag)
HPS	Horizontal Pixel Scale (Type-14 record layout field name)
IAFIS	FBI Integrated Automated Fingerprint Identification System
ICD	Interface Control Document
ID	Identification
IID	Immigration File Number (the file number assigned to all Temporary Residents as well as all day forward Immigration Subject files)
IIS	Immigration Information Sharing
IMP	Impression Type
IMT	Image Type (FBI and ANSI NIST record layout field name or tag)
IRQ	Image Request
IRR	Image Request Response
ITL	Information Technology Laboratory (National Institute of Standards and Technology – U.S.)
JFIF	JPEG File Interchange Format
JPEG	Joint Photographic Experts Group
JPEGB	JPEG Baseline
JPEGL	JPEG Lossless

Table E-1: List of Acronyms

Acronym	Definition
LCLO	(Remote) Latent Closure
LF	Line Feed
LFFS	Latent Fingerprint Feature Search
LFS	Latent Fingerprint Image(s) Transaction
LFSRD	Latent Fingerprint Search Result Disposition
LSR	Latent Transaction Results
LTC	Latent Type Code (record layout field name or tag)
MAP	Miscellaneous Applicant Civil Transaction
NGI	Next Generation Identification (FBI repository)
NIST	National Institute of Standards and Technology
NPS	National Police Services
ORI	Originating RTID Agency Identifier
PCD	Palm-print Capture Date (record layout field name)
PHD	Photo Date (record layout field name)
PLP	Palmprint Position
POA	Pose Offset Angle (record layout field name)
PXS	Photo Description (Tag)
RAFIAS	Regional Automated Identification Access System
RCMP	Royal Canadian Mounted Police
RDIMS	Records, Documents and Information Management System
REF	Refugee
RMS	Records Management System
RS	Record/occurrence Separator
RSTS	Latent Search Target Set Code
RTID	Real Time Identification
RTSF	Record Type Search Filter (record layout field name or tag)
SIR	Software Incident Report
SLC	Scale Units
SMT	Scar, Mark and/or Tattoo (image)
SMTP	Simple Mail Transfer Protocol

Table E-1: List of Acronyms	
Acronym	**Definition**
SRC	Source (agency/ORI) (Type-14 record layout field name or tag)
SRE	Tenprint Search Results (response to an REF, MAP, CAR Y, CAR N)
SRL	Latent Fingerprint Search Results
TCD	Tenprint Capture Date (Type-14 record layout field name or tag)
TRA	Threat, Risk Assessment
ULD	Unsolved Latent Delete
ULDR	Unsolved Latent Delete Response (or Result)
ULE	Unsolved Latent Enrolment
ULER	Unsolved Latent Enrolment Retrieval
ULF	Unsolved Latent File
ULR	Unsolved Latent Retrieval
ULRR	Unsolved Latent Retrieval Response (or Result)
US	Unit/sub-tag Separators
VAO	Vulnerable Sector (Consent Number One) Authentication Obtained (indicator, record layout field name or tag)
VLL	Vertical Line Length (record layout tag)
VPS	Vertical Pixel Scale (Type-14 record layout field name)
VS	Vulnerable Sector (ADS flag)
WI	Work Item
WSQ	Wavelet Scalar Quantization (a compression algorithm that uses wavelet technology)
YCC	One of a family of colour spaces used as a part of the colour image pipeline in video and digital photography systems. "Y" is the luma component and "Cb" and "Cr" are the blue-difference and red-difference chroma components.
YP	Young Person

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