



Real Time Identification

... a National Police Services Project
Under the stewardship of the
Royal Canadian Mounted Police



National Police Services Interface Control Document For External Contributors *NPS-NIST-ICD*

Date: 2015-10-28

Status: Edition prepared for AFIS Renewal

Version: 1.7.7 Rev F

RDIMS Document Number: 22062 v7

Classification: Unclassified

RECORD OF AMENDMENTS

**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, civil and latent crime scene fingerprints for search against and possible storage in the RCMP National AFIS database.

The electronic transmission of data to the RCMP-NPS requires a network connection. The establishment of the network connection is the sole responsibility of the user of these specifications. The CCRTIS, the RCMP, the Minister of Public Safety and Preparedness Canada, the Treasury Board of Canada, the Government of Canada, the Crown, the Queen in Right of Canada, their servants, agents and assigns (the "Crown") disclaim any responsibility, liability, costs, loss of efficiencies or other economic loss whether direct or consequential, associated with the establishment of the network connection.

While the CCRTIS has made every effort to ensure the completeness, accuracy and utility of the specifications contained in this document, it is the user of the information who is ultimately responsible for the adaptation and integration of the specifications into existing systems and the ensuing results. The CCRTIS, the RCMP, the Minister of Public Safety and Preparedness Canada, the Treasury Board of Canada, the Government of Canada, the Crown, the Queen in Right of Canada, their servants, agents and assigns (the "Crown") disclaim any responsibility, liability, costs, loss of efficiencies or other economic loss whether direct or consequential, flowing from any use made by the user of these specifications and other materials provided herein.

The Crown makes no warranties, express or implied, and specifically disclaims any implied warranty of merchantability or fitness for a particular purpose. The Crown will not be responsible for any errors or omissions which may have occurred in the drafting of these specifications and expressly disclaim liability whether under contract or in negligence to any user of the work whether a direct user, any person who may borrow or use it or to any client of such a person.

In no event will the Crown be liable for any special, incidental or consequential damages, including damages for loss of business profits, business interruption or other pecuniary loss, lost data, loss of computer time, failure to realize expected savings, and any other commercial or economic loss of any kind and arising in consequence of the use of the specifications.

In taking possession of this document, the user acknowledges, agrees and accepts the foregoing and releases, agrees to indemnify and hold harmless CCRTIS, the RCMP and the Crown.

TABLE of CONTENTS

1	INTRODUCTION	8
1.1	Background	8
1.2	Objectives	8
1.3	Future Plans	8
1.4	References	9
1.5	Approach	9
1.6	NIST File	9
1.7	Separators	10
2	RCMP-NPS EXTERNAL CONTRIBUTOR REQUIREMENTS	14
2.1	Compliance Standards	14
2.1.1	RCMP-NPS-NIST Certification	14
2.1.2	FBI IAFIS Image Quality Specifications	14
2.1.3	WSQ Gray-Scale Fingerprint Image Compression Specification	14
2.1.4	Data Format for the Interchange of Fingerprint Information	15
2.2	General Business Rules	15
2.2.1	Change Control	15
2.2.2	Fields/Tags	15
2.2.3	RTID Agency Identifier	15
2.2.4	Transaction Control Number	16
2.2.5	Transaction Control Reference Number	16
2.2.6	Document Control Number	17
2.2.7	Format Validation	18
2.2.8	Condition	18
2.2.9	Character Type (Allowable and Special Character Sets)	18
2.2.10	Field Size Per Occurrence	19
2.2.11	Occurrences	19
2.2.12	Date Fields	19
2.3	Electronic Fingerprint Capture Device (EFCD)	19
2.3.1	Basic Administration	20
2.3.2	Basic Case Management	20
2.3.3	Shared Devices	20
2.3.4	Bilingual Support	20
2.3.5	Temporary Storage	21
2.4	EFCD-RMS Integration	21
2.4.1	System Table Updates	21
2.5	Printers/Scanners	21
2.6	Network Considerations	21
2.7	Exchange with FBI	22
2.8	Exchange with International Countries	22
2.9	Software Upgrades	22
2.10	NIST Test Mode	22
2.11	Remote Sites	22
2.12	RTID Agency Profile	23

3	TYPES OF TRANSACTIONS	24
3.1	Tenprint Transactions	24
3.1.1	Criminal Tenprint Submission Ret Y (CAR)	24
3.1.2	Criminal Tenprint Submission Ret N (CAR)	25
3.1.3	Miscellaneous Applicant Civil (MAP)	25
3.1.4	Refugee Submission (REF) – No longer in use WI 44444	26
3.2	Latent Transactions	27
3.2.1	Latent Fingerprint Image(s) Submission (LFS) – No longer in use WI 44444	27
3.2.2	Latent Fingerprint Feature Search (LFFS) WI 44444	27
3.2.3	Unsolved Latent Delete (ULD)	28
3.2.4	Unsolved Latent Retrieval Request (ULR)	28
3.2.5	Unsolved Latent Enrolment (ULE)	29
3.2.6	Remote Latent Closure (LCLO) WI 44444	29
3.3	Image Request (IRQ)	29
3.4	Results and Responses	30
3.4.1	Tenprint Search Results (SRE)	30
3.4.2	Latent Fingerprint Search Results (SRL)	30
3.4.3	Latent Submission Results (LSR) – No longer in use WI 44444	30
3.4.4	Latent Feature Search Response Disposition (LFSRD)	31
3.4.5	Unsolved Latent Retrieval Response (ULRR)	31
3.4.6	Unsolved Latent Delete Response (ULDR)	31
3.4.7	Image Request Response (IRR)	32
3.4.8	Unsolved Latent Enrolment Response (ULER)	32
3.5	Acknowledgements	32
3.5.1	Acknowledgement Tenprint (ACKT)	32
3.5.2	Acknowledgement Latent (ACKL)	32
3.6	Error Transactions	33
3.6.1	Tenprint Transaction Error (ERRT)	33
3.6.2	Latent Transaction Error (ERRL)	33
3.6.3	Image Request Error (ERRI)	33
4	NIST DATA DEFINITIONS	34
4.1	Type-1 Data Definitions (Header Record)	34
4.2	Type-2 Data Definitions (Descriptive Text)	38
4.3	Type-4 Data Definition (High-resolution gray scale Fingerprint Image Data)	80
4.4	Type-7 Data Definition (Latent Image Record)	81
4.5	Type-9 Data Definition (Minutiae Data)	82
4.6	Type-10 Data Definition (Photo Image Record)	83
4.7	Type-13 Data Definition (Latent Image Record)	84
4.8	Type-14 Data Definition (Variable resolution Tenprint Record)	85
4.9	Type-15 Data Definition (Palmprint Image Record)	87
4.10	Logical Records Not Supported	88
5	LOGICAL RECORD FORMATS	89
5.1	Type-1 Logical Record: Header Information	89
5.2	Type-2 Logical Record: Criminal Tenprint Submission (CAR Y)	91
5.3	Type-2 Logical Record: Criminal Tenprint Submission (CAR N)	99
5.4	Type-2 Logical Record: Refugee Submission (REF) – No longer in use WI 44444	105

5.5	Type-2 Logical Record: Miscellaneous Applicant Civil Submission (MAP).....	111
5.6	Type-2 Logical Record: Latent Fingerprint Feature Search (LFFS)	118
5.7	Type-2 Logical Record: Latent Fingerprint Image(s) Submission (LFS) – No longer in use WI 44444	121
5.8	Type-2 Logical Record: Unsolved Latent Delete (ULD)	124
5.9	Type-2 Logical Record: Unsolved Latent Delete Response (ULDR).....	125
5.10	Type-2 Logical Record: Unsolved Latent Retrieval (ULR)	126
5.11	Type-2 Logical Record: Unsolved Latent Retrieval Response (ULRR)	127
5.12	Type-2 Logical Record: Unsolved Latent Enrolment (ULE)	129
5.13	Type-2 Logical Record: Unsolved Latent Enrolment Response (ULER).....	131
5.14	Type-2 Logical Record: Search Results (SRE).....	132
5.15	Type-2 Logical Record: Latent Fingerprint Search Results (SRL)	135
5.16	Type-2 Logical Record: Latent Submission Results (LSR)	138
5.17	Type-2 Logical Record: Latent Features Search Response Disposition (LFSRD)	139
5.18	Type-2 Logical Record: Remote Latent Closure (LCLO)	142
5.19	Type-2 Logical Record: Image Request (IRQ).....	143
5.20	Type-2 Logical Record: Image Request Response (IRR).....	145
5.21	Type-2 Logical Record: Tenprint Submission Error (ERRT)	147
5.22	Type-2 Logical Record: Latent Submission Error (ERRL).....	148
5.23	Type-2 Logical Record: Image Request Error (ERRI).....	149
5.24	Type-2 Logical Record: Acknowledgment Tenprint (ACKT).....	150
5.25	Type-2 Logical Record: Acknowledgment Latent Submission (ACKL).....	151
5.26	Type-4 Logical Record: Fingerprint Image Data	152
5.27	Type-7 Logical Record: Image Data	153
5.28	Type-10 Logical Record: Facial Image	154
5.29	Type-13 Logical Record: Latent Images.....	156
5.30	Type-14 Logical Record: Plain Impressions	157
5.31	Type-15 logical record: Palmprint.....	159
APPENDIX A: TABLES		160
A1	– Finger / Palm Codes	160
A2	– Allowable Box Sizes for Finger / Palm Images.....	161
A3	– Impression Type Codes	162
A4	– Province Codes	163
A5	– State Codes.....	164
A6	– Country Codes.....	166
APPENDIX C: SUMMARY TAG LIST FOR TRANSACTIONS FROM THE RCMP		177
APPENDIX D: DATA DICTIONARY OF RCMP-DEFINED TAGS.....		181
APPENDIX E: LIST OF ACRONYMS		190

How to Read this Document

The National Police Service NIST Interface Control Document for External Contributors (NPS-NIST-ICD) is divided into sections as follows:

- Section 1: Introduction, provides a general overview
- 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 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 National Police Services (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 and latent fingerprints. Only same-vendor fingerprint systems can exchange electronic fingerprint information.

As international criminal activity becomes more widespread, the ability to quickly exchange biometric data such as fingerprint images, palm images and photographs between Canadian and foreign agencies is increasing in importance. Until recently this exchange has been difficult because there has been no standard developed for the capture of fingerprints and other biometric data.

This problem has been resolved with the introduction of the ANSI/NIST specification which defines a standard format for the exchange of data between agencies using dissimilar systems made by different manufacturers. Now all facial, fingerprint and palm images are transmitted and stored in the same standard format. This allows agencies to transfer standard image data electronically, thereby improving timeliness and search reliability.

1.2 OBJECTIVES

The purpose of the NPS-NIST-ICD is to provide a specification for interfacing electronically with RCMP-NPS. This document implements 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 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 records stored at RCMP-NPS.

1.3 FUTURE PLANS

The RCMP is currently replacing the current AFIS with a contemporary, integrated system called Real Time Identification (RTID).

1.4 REFERENCES

The following references are available to contributors:

- 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 8, August 31, 2007 IAFIS-DOC-01078-8.0
- FBI-WSQ Gray Scale Image Compression Specification, IAFIS-IC-0110 (V3), Federal Bureau of Investigation, 19 December 1997
- Test Procedures for Verifying IAFIS Scanner Image Quality Requirements, CJIS-TD-0110, Federal Bureau of Investigation, March 1995
- 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 26, 2008
- Best Practices for the Capture of Charge Information in Support of NPS-NIST-ICD 1.7.7. (Implementation and Use of the NPS-NIST Charge Table), dated February 05, 2008

1.5 APPROACH

This document describes the types and format of information that the RCMP expects to send and receive electronically. Contributing agencies that choose to 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 the NIST Server, 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 Charge Table and the mechanisms involved in keeping this table up to date before implementing the "CAR RET Y" transaction in their systems.

1.6 NIST FILE

Every transaction (NIST file) submitted to the RCMP-NPS must adhere to the ANSI/NIST and NPS-NIST-ICD specification. Each NIST data file will contain as 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 and 13 record definitions in Section 4 of this document.

Table 1.6 - Logical Record Types

Logical Record Type Identifier	Logical Record Contents	Type of Data	Implemented By RCMP
1	Transaction Information	ASCII	Y
2	Descriptive Text (user-defined)	ASCII	Y
3	Fingerprint Image Data (low-resolution grayscale)	Binary	N
4	Fingerprint Image Data (high-resolution grayscale)	Binary	Y
5	Fingerprint Image Data (low-resolution binary)	Binary	N
6	Fingerprint Image Data (high-resolution binary)	Binary	N
7	Image Data (user-defined)	Binary	Y
8	Signature Image Data	Binary	N
9	Minutiae Data	ASCII	Y
10	Facial and SMT Image Data	ASCII/Binary	Y
11	Reserved for Future Use	-	-
12	Reserved for Future Use	-	-
13	Latent Image Data (variable-resolution)	ASCII/Binary	Y
14	Tenprint Fingerprint Impressions (variable-resolution)	ASCII/Binary	Y
15	Palprint Image Data (variable-resolution)	ASCII/Binary	Y
16	Document Image Data (variable-resolution)	ASCII/Binary	Y

1.7 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 (U_s) 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 1.7.1 – Information Separators Used in ANSI-NIST Formatted Files

Code	Type	Description	Hexadecimal Value	Decimal Value
U_s	Unit/Sub-tag Separator	Separates multiple information items within a tag or a sub-tag	1F	31
R_s	Record/Occurrence Separator	Separates multiple sub-tags	1E	30
G_s	Group/Tag Separator	Separates information tags	1D	29
F_s	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 characters when a sub-tag is missing.

Table 1.7.2 – 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_s 1 R_s 2 U_s 00 R_s 14 U_s 01 R_s 14 U_s 02 R_s 14 U_s 03 R_s 14 U_s 04 R_s 14 U_s 05 R_s 14 U_s 06 R_s 14 U_s 07 R_s 14 U_s 08 R_s 14 U_s 09 R_s 14 U_s 10 R_s 14 U_s 11 R_s 14 U_s 12 R_s 14 U_s 13 R_s 14 U_s 14 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	1.006:1 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	1.009:0312345000125 G_s
TCR	1.010	Transaction Control Reference Number	1.010:0312345000110 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 1.7.3 – Type 2 Transaction Record Example for 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	2.800:10500103123450123105 ^G _s
FPS	2.801	Fingerprint Section Number	2.801:4876B ^G _s
ADR	2.802	Address	2.802:210-2340 MAIN sT ^U _s OTTAWA ^U _s 06 ^U _s K1AOR2 ^U _s CANADA ^U _s 124 ^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 _s JOHN ^U _s HENRY ^U _s MARK ^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 _s 140 ^U _s BLACK ^R _s T ^U _s 311 ^U _s JAN ^G _s
OTN	2.824	Other Names/Alias	2.824:SMITH ^U _s JOHN ^U _s HENRY ^U _s ^G _s
NTS	2.826	Notepad Message	2.826:19970804080722 ^U _s SMITH ^U _s MESSA GE ^G _s
CHG	2.829	Charge Information	2.829:001 ^U _s 20050101 ^U _s OTTAWA ^U _s 05- 020304 ^U _s 001 ^U _s J ^U _s 2005- 9899 ^U _s C ^U _s 100(1) ^U _s 1 ^U _s C ^U _s N ^U _s POSS FOR THE PURPOSE OF ^U _s WEAPONS TRAFFICKING ^U _s SEC 100(1) CC ^U _s ^U _s ^G _s
CGV	2.831	Charge Table Version Number	2.831:001 ^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

Identifier	Tag Number	Tag Name	Example
IRP	2.892	International Countries to Search	2.892:002 ^U _s ^G _s
FQO	2.893	Fingerprint Quality Override	2.893:01 ^U _s 99 ^U _s BEST FINGERPRINTS POSSIBLE ^G _s
FER	2.894	Foreign Search Reason	2.894:SUSPECTED TERRORIST ACTIVITIES ^G _s
ICI	2.8106	Investigator Contact Information	2.8106:INVESTIGATOR NAME ^U _s AGENCYNAME ^U _s AGENCYSECTION ^U _s 61355512112 ^U _s ^U _s 120 0 APPLE ST OTTAWA ^U _s MAIL@OTTAWA.COM ^G _s
RET	2.8005	Retention Code	2.8005:Y ^G _s
NOK	2.8011	Next Of Kin	2.8011:SMITH ^U _s JOHN ^U _s ^U _s ^U _s 1 ^U _s 1200 VANIER PKWY OTTAWA ONTARIO K2T1S9 ^G _s
FBI	2.8014	FBI File Number	2.8014:789900359 ^G _s
DOB	2.8022	Date of Birth	2.8022:19651002 ^G _s
DPR	2.8038	Date Fingerprinted	2.8038:20051120 ^G _s
DOA	2.8045	Date of Arrest	2.8045:20051120 ^G _s
MFR	2.8084	Missing Fingerprint Reason	2.8084:03 ^U _s XX ^U _s 20051102 ^R _s 09 ^U _s UP ^U _s 20051102 ^G _s
CNON	2.8908	Contributor Case/File Number	2.8908:2005-362 ^G _s
NVN	2.8910	External ICD Version Number	2.8910:177 ^G _s
STV	2.8911	System Table Version Number	2.8911:001 ^G _s
NFT	2.8931	Name of Person Responsible for Transaction	2.8931:JOHN DOE ^G _s
GNA	2.8933	Gang Affiliation	2.8933:ROCK MACHINE ^U _s 05 ^U _s OTTAWA ^G _s
CTRY	2.8935	Country of Birth	2.8935:840 ^G _s
RTX	2.8936	Race Description	2.8936:ASIAN ^F _s
NOTF	2.8938	Name of Official taking fingerprints	2.8938:MARY MACKAY ^G _s
FPCL	2.8939	Fingerprint Capture Location	2.8939:ELGIN OFFICE ^G _s

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 Certification

All vendors must be certified by RCMP-NPS before they 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.

All image data (fingerprints, palm prints, facial images and other image data records) must also meet the ANSI/NIST-ITL 1-2000 specifications. The FBI compliance standards for the image data are listed below. These standards will be used to confirm compliance to the ANSI/NIST standard.

2.1.2 FBI IAFIS Image Quality Specifications

These specifications, found in Appendix F of the FBI Electronic Biometric Transmission Specification (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

The FBI Letter of Certification is required in order to obtain RCMP-NPS-NIST Certification. These specifications are for the purpose of accrediting current Electronic Fingerprint Capture Devices (EFCD) and fingerprint form scanning equipment integrated into automated booking systems and Record Management Systems (RMS).

2.1.3 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 submissions. The RCMP monitors compression ratios for each contributor; whenever the calculated average across many submissions is consistently higher than 15:1 by a large margin, the RCMP may request remedial action be taken by the contributor.

2.1.4 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 interfaces for these transactions (except for remote 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. **The RCMP will be backward compatible to previous versions of the NPS-NIST-ICD.**

2.2.2 Fields/Tags

All fields have a tag number assigned to them (except for Type-4, and Type-7 records). 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 Electronic Fingerprint Transmission Specification (EFTS). 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 identifier 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 alphabetic RTID Agency Identifier assigned to an agency in Nova Scotia.

See table A4 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 A4 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>+<6-digit sequential number>.

For example:

TCN 0312345000001 = <0312345>+<000001>.

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 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.

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 used to reference the RCMP response to the original CAR. 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 ten-print submissions 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 submission 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 submission will contain a unique Document Control Number (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 submission with same DCN to correct the errors. The resubmission must have the DCN created in the initial submission 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 submission such as:

- to request an FBI search against a specific FPS number or Refugee File number
- to amend the charges submitted
- to amend any biographical information submitted

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 submissions.

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 submission): 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

character '@' (chr(64)) is also allowed in specified tags where indicated in the notes column of the logical record definition.

The additional formatting characters Carriage Return (chr(13)) and Line Feed (chr(10)) are allowed in certain tags as indicated in the logical record definitions.

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 logical record length (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-13 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 be 19 to 20

YY (Year) must be 00 to 99

MM (Month) must be 01 to 12

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

ss (second) must be 00 to 59

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

2.3 ELECTRONIC FINGERPRINT CAPTURE DEVICE (EFCD)

These devices refer to computer-based systems that record the fingerprints of a subject directly from the subject's fingers. The device captures palm prints, writer's palms, plain and rolled fingerprint impressions. 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 Capture Device, or vice versa. The NPS-NIST packet is created and the Contivity VPN Client application 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.

2.3.1 Basic Administration

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

- User Identifier and password for login
- 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
- A test mode enabling agencies/vendors to submit and receive test transactions to and from the RCMP-NPS
- Support System Table updates and Charge Table updates received from RCMP-NPS
- Virus Protection

2.3.2 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 Document Control Number (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.
- Display and print the submissions and their replies (e.g., CAR, MAP, SRE, ERRT, etc...) in an RCMP-NPS pre-approved format.

2.3.3 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 agency RTID identifier (used for the TCN prefix and embedded in the DCN), DCN external flag and DCN document flag) must be in context of the agency of the operator using the device. This can be set by the user profile at logon.

2.3.4 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.

2.3.5 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.

2.4 EFCD-RMS INTEGRATION

Agencies that interface an Electronic Fingerprint Capture Device (EFCD) with a Records Management System (RMS), or an Electronic Mugshot System (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 Charge Table. If responses are to be received by the RMS then it must have the capability to receive NPS-NIST transactions.

2.4.1 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 Charge Table has its own version number found in Charge 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.**

2.5 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 v8.0 Appendix F and ANSI/NIST in order to support fingerprint comparison.

The fingerprint scanner (which must be certified to EFTS Appendix F) 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.

2.6 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 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. The RCMP Network Services Section (NSS) is responsible for the physical network connection once DSB approves the TRA.

2.7 EXCHANGE WITH FBI

Some contributors will be authorized to request a search of the FBI IAFIS. The current process is for RCMP-NPS to reformat the NPS-NIST transaction into the FBI EFTS 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/LSR will be returned for the FBI search requested. If there is an error then an ERRT/ERRL will be returned.

2.8 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.

2.9 SOFTWARE UPGRADES

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

2.10 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 submissions.

2.11 REMOTE SITES

For a number of years, remote sites have had the ability to interact directly with the RCMP-NPS AFIS through native/proprietary transactions and workflows. A Remote Site RCMP-NPS NIST interface will replace the native/proprietary connection and workflow while maintaining exactly the same functionality.

Remote Site functionality includes: latent fingerprint feature searches, their corresponding verification packet responses, disposition reporting (including candidate list hit/no hit), tenprint as well as latent fingerprint fetches. The fingerprint searches are submitted using AFIS-specific Type-9 records for the encoding/minutiae information and also include other AFIS-specific descriptor information necessary to conduct the fingerprint search. The remote sites encode fingerprint images in the same format as at RCMP-NPS and then submit them for an automatic search of RCMP-NPS AFIS. Since these fingerprint searches have already been encoded by the remote site, there is no quality control performed by RCMP-NPS. Verification of the candidate list is performed at the remote site.

Notes:

- The logical record definitions (Type-9 records) of these transactions are specific to the current AFIS system being used at RCMP-NPS. The RCMP-NPS will NOT support

backward compatibility to former remote site transaction definitions as a new AFIS is introduced at RCMP-NPS.

- Only contributor sites that are designated by RCMP-NPS as a remote site are authorized to submit remote site transactions. Remote site transactions are not available to other contributors.
- Additional business rules may apply to these transactions.

The RCMP-NPS-NIST test server will perform validation of submissions.

2.12 RTID AGENCY PROFILE

The RCMP will create an Agency Profile during certification and maintain it for each 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 submission types.

Once established, the Agency Profile is used to validate each NPS-NIST submission 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 submission. A complete agency profile will be established during certification and provided to the certified 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 - Types of Transactions (TOTs)

NPS-NIST Transaction	Type of Transaction	Response	Error	Acknowledge
Criminal Tenprint Submission Ret Y	CAR	SRE	ERRT	ACKT
Criminal Tenprint Submission Ret N	CAR	SRE	ERRT	ACKT
Miscellaneous Applicant Civil	MAP	SRE	ERRT	ACKT
Refugee Submission	REF	SRE	ERRT	ACKT
Latent Fingerprint Feature Search	LFFS	SRL	ERRL	ACKL
Unsolved Latent Delete	ULD	ULDR	ERRL	ACKL
Unsolved Latent Retrieval	ULR	ULRR	ERRL	ACKL
Unsolved Latent Enrolment	ULE	ULER	ERRL	ACKL
Remote Latent Closure	LCLO	N/A	ERRL	ACKL
Image Request	IRQ	IRR	ERRI	n/a
Latent Fingerprint Image(s) Submission – No longer in use WI 44444	LFS	LSR	ERRL	ACKL
Latent Feature Search Response Disposition	LFSRD	N/A	ERRL	ACKL

3.1 TENPRINT TRANSACTIONS

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

3.1.1 Criminal Tenprint Submission 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. 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.

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

- 0 - 1 Acknowledgement Tenprint (ACKT)
- 0 - N Search Results (SRE)
- 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)
- 0 - 14 Type-4 Records (10 Rolled Impressions and 4 Sets of Plain Impressions)
- 0 - 10 Type-10 Records (Photo Image) WI 44444
- 0 - 6 Type-15 Records (Palm Print Image)

3.1.2 Criminal Tenprint Submission 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)
- 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)
- 0 - 14 Type-4 Records (10 Rolled Impressions and 4 Sets of Plain Impressions)
- 0 - 6 Type-15 Records (Palm Print Image)

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 and foreign travel. The result is returned in an SRE that may include a positive or negative indicator, a File Number, or an indication that a hard copy result has been returned to the applicant.

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" submission 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)
- 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)
- 0 - 14 Type-4 Records (10 Rolled Impressions and 4 Sets of Plain Impressions)
- 0 - 10 Type-10 Records (Photo Image) WI 44444
- 0 - 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.)
- 0 - 1 Type-14 records (1 Plain Impression for Biometric Consent)
- 0 - 6 Type-15 records (Palm Print Image)

Notes:

- In a Miscellaneous Applicant transaction (MAP), 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. One or the other must be selected. That is, an “ID flats” submission must only use Type 14 Records and no Type 4 Records for fingerprint images. A non “ID flats” submission 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. WI 44444
- Palm prints are required in a MAP with Retention=Y transaction. Contributor must be authorized by RCMP to submit a MAP Ret=Y transaction.

3.1.4 Refugee Submission (REF) – No longer in use WI 44444

This transaction is used to submit fingerprints for search against the RCMP AFIS on behalf of the Canadian Border Services Agency and/or Citizenship and Immigration Canada (CBSA/CIC).

Note to Reader: The REF submission type for this ICD version (1.7.7) has been retired as of November 2014. All tag specifications are kept herein for the purpose of interpreting legacy submissions previously received and processed by the RCMP. Also, the REF Type-2 layout continues to remain in force for ICD version 1.7.8.

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

- 0 - 1 Acknowledgement Tenprint (ACKT)
- 0 - N Search Results (SRE)
- 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)
- 0 - 14 Type-4 Records (10 Rolled Impressions and 4 Sets of Plain Impressions)
- 0 - 3 Type-10 Records (Photo Image)
- 0 - 6 Type-15 Records (Palm Print Image)

3.2 LATENT TRANSACTIONS

WI 44444 Latent transactions can only be sent to the RCMP-NPS from remote sites having RCMP-certified Remote Latent devices.

3.2.1 Latent Fingerprint Image(s) Submission (LFS) – No longer in use **WI 44444**

This transaction is used solely for the purpose of executing an AFIS search. This transaction is currently only supported for RAFIAS Clients. The latent fingerprint/palmprint images are transmitted along with the search criteria by the originator. The first Latent submission must contain at least one latent image. Latent fingerprint specialists will perform comparisons of the search latent image(s) against the RCMP-NPS-AFIS database.

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

- 0 - 1 Acknowledgement Latent (ACKL)
- 0 - N Search Results - Latent (LSR)
- 0 - N Latent Transaction Error (ERRL)

The LFS Transaction will include the following logical records:

- 1 Type-1 Header Record
- 1 Type-2 Record (Data Descriptors)
- 0 - 10 Type-7 Records (Overall Object Shots)
- 0 - 10 Type-13 Record (Latent Images)

3.2.2 Latent Fingerprint Feature Search (LFFS) **WI 44444**

This transaction is used to transmit a latent fingerprint/palmprint feature search to the RCMP-NPS from a remote site. There is no manual editing of the encoding performed at the RCMP. The Type-9 record supplied with the transaction is used for performing the search.

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

- 0 - 1 Acknowledgement Latent (ACKL)
- 0 - N Search Results - Latent (SRL)
- 0 - N Latent Transaction Error (ERRL)

The LFFS transaction will include the following logical records:

- 1 Type-1 Header Record
- 1 Type-2 Record (Data Descriptors)
- 1 Type-9 Record (Minutiae/Encoding)
- 1 Type-13 Record (Latent Images)

Notes: **WI 44444**

- The RTID Remote Latent Device requires a Type-9 record as input from a local AFIS or local latent workstation. The remote AFIS/latent workstation must also supply the Canadian Type-1 record, Type-2 record and Type-13 record as defined in this ICD. Refer to section 5.6 for the Type-2 logical record definition of the LFFS

transaction. The Latent Device will convert the Type-9 record to the RTID required format prior to transmission to RCMP-NPS. The current Type-9 format is specific to the existing AFIS system technology implemented at the RCMP, however, the RCMP shall be transitioning to the ANSI/NIST Extended Feature Set documented in the ANSI/NIST 2011 specifications.

- If an existing Latent Image Id is selected to add to the RCMP's Unsolved Latent File, the transaction will be rejected.

3.2.3 Unsolved Latent Delete (ULD)

This transaction is used to request the purge of a latent image or a group of latent images from the Unsolved Latent File (ULF). The request may ask that all images pertaining to a Latent File be purged or that a specific image be purged. **Agencies can only request to have their own ULF entries purged.**

The possible response transactions to the ULD submission include:

- 0 - 1 Latent Transaction Acknowledgement (ACKL)
- 0 - 1 Unsolved Latent Delete Response (ULDR)
- 0 - 1 Latent Transaction Error (ERRL)

The ULD transaction will include the following logical records:

- 1 Type-1 Header Record
- 1 Type-2 Record (Data Descriptors)

WI 44444

3.2.4 Unsolved Latent Retrieval Request (ULR)

This transaction is used by remote sites to request a fetch of a specific unsolved latent image on the ULF. This transaction is only supported for users at authorized remote sites. Every entry on the RCMP Unsolved Latent File (ULF) is referred to as a "search" as it would have originally been received as a forward search. Remote sites can fetch the ULF entries submitted by other sites but cannot delete or change them.

The possible response transactions to the ULR submission include:

- 0 - 1 Latent Transaction Acknowledgement (ACKL)
- 0 - 1 Unsolved Latent Retrieval Response (ULRR)
- 0 - 1 Latent Transaction Error (ERRL)

The ULR transaction will include the following logical records:

- 1 Type-1 Header Record
- 1 Type-2 Record (Data Descriptors)

WI 44444

3.2.5 Unsolved Latent Enrolment (ULE)

This transaction is used to send a latent image and its encoding to the RCMP for enrolment in a latent repository. It is generally used in conjunction with the latent remote site LFFS workflow. The ULE can also be used as a standalone transaction. If the Latent Image ID already exists in the RCMP latent repository then a ULER with Success Indicator set to 'failure' is returned indicating that the latent could not be enrolled. If the ULE is not NPS NIST ICD compliant or the contributor is not authorized to submit this type of transaction then an ERRL is returned. If the enrolment is successful then a ULER is returned with Success Indicator positive.

The possible response transactions to the ULE submission include:

- 0 - 1 Latent Transaction Acknowledgement (ACKL)
- 0 - 1 Unsolved Latent Enrolment Response (ULER)
- 0 - 1 Latent Transaction Error (ERRL)

The ULE transaction will include the following logical records:

- 1 Type-1 Header Record
- 1 Type-2 Record (Data Descriptors)
- 1 Type-9 Record (Minutiae/Encoding)
- 1 Type-13 Record (Latent Images)

3.2.6 Remote Latent Closure (LCLO) WI 44444

This transaction is used by the remote sites to indicate that the latent workflow has ended on the remote Latent Device either through a cancellation or the transaction has concluded.

The types and quantities of logical records included are as follows:

- 1 Type-1 Header Record
- 1 Type-2 Record (Data Descriptors)

The possible response transactions to the LCLO include:

- 0 - 1 Latent Transaction Acknowledgement (ACKL)
- 0 - 1 Latent Transaction Error (ERRL)

3.3 IMAGE REQUEST (IRQ)

This transaction provides the contributor with the ability to request fingerprint and/or palm print images from the RCMP ten print files. Only a single set of prints from one individual may be requested per IRQ transaction. The request may also ask that a list of available prints on file be returned for a specific File Number.

The possible response transactions to the IRQ submission include:

- 0 - 1 Image Request Response (IRR)
- 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
- 1 Type-2 Record (Data Descriptors)

The RCMP reserves the right to limit the target files subject to search.

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 submission (CAR, REF, and MAP) over time. If there are any errors associated with a tenprint submission then an ERRT is returned.

The SRE Transaction will include the following logical records:

- 1 Type-1 Header Record
- 1 Type-2 Record (Data Descriptors)

3.4.2 Latent Fingerprint Search Results (SRL)

This reply transaction is returned by the RCMP-NPS in response to an LFFS transaction. Multiple SRLs may be returned for a single LFFS transaction. It will include a candidate list comprised of identifier numbers of each candidate and the corresponding image(s) of the candidates, their match scores, and the finger numbers of the images on file that matched.

The SRL transaction will include the following logical records:

- 1 Type-1 Header Record
- 1 Type-2 Record (Data Descriptors)
- 0 - N Type-4 Records (Fingerprint Image Records)
- 0 - N Type-9 Records (Minutiae Records)
- 0 - N Type-13 Records (Latent Images)
- 0 - N Type-15 Records (Palm Print Images)

The RCMP reserves the right to withdraw this transaction if the LFFS is withdrawn. The specific number of candidate images will be defined by RCMP.

3.4.3 Latent Submission Results (LSR) – No longer in use WI 44444

This transaction is the response to a LFS request. The search result findings indicating identification or a non-identification are included in the narrative message. If there is an identification made, it will also include the Tenprint images of the identified subject. The search result findings will be returned to the contributor via an e-mail from the RCMP.

The e-mail response resulting from the LSR transaction will include information from the following logical records:

- 1 Type-1 Header Record
- 1 Type-2 Record (Data Descriptors)
- 0 - 10 Type-4 Records (Fingerprint Image Records)
- 0 - 6 Type-15 Records (Palm Print Images)

3.4.4 Latent Feature Search Response Disposition (LFSRD)

This transaction is used by the remote site to send the verification and certification results to the RCMP. The remote site receives the verification packet from the RCMP in the Latent Fingerprint Search Results (SRL). The remote site then performs the verification and certification. The results must be sent in to RCMP-NPS in the LFSRD regardless of the outcome.

The possible response transactions to the LFSRD submission include:

- 0 - 1 Latent Transaction Acknowledgement (ACKL)
- 0 - 1 Latent Transaction Error (ERRL)

The LFSRD contains the following logical records:

- 1 Type-1 Header Record
- 1 Type-2 Record (Data Descriptors)

The RCMP reserves the right to withdraw this transaction if the LFFS is withdrawn.

3.4.5 Unsolved Latent Retrieval Response (ULRR)

This transaction is returned by the RCMP-NPS to respond to a remote site request to receive an unsolved latent image held in the RCMP-NPS Unsolved Latent File.

The ULRR transaction will include the following logical records:

- 1 Type-1 Header Record
- 1 Type-2 Record (Data Descriptors)
- 0 - 1 Type-9 Records (Minutiae/Encoding)
- 0 - 1 Type-13 Records (Latent Image Records)

The RCMP reserves the right to withdraw this transaction if the ULR transaction is withdrawn.

3.4.6 Unsolved Latent Delete Response (ULDR)

This transaction is returned by the RCMP-NPS in response to a ULD transaction. It indicates that a record has been successfully deleted from the RCMP-NPS Unsolved Latent File.

The ULDR transaction will include the following logical records:

- 1 Type-1 Header Record
- 1 Type-2 Record (Data Descriptors)

The RCMP reserves the right to withdraw this transaction if the ULD transaction is withdrawn.

3.4.7 Image Request Response (IRR)

This reply transaction is returned by the RCMP-NPS-NIST server in response to an IRQ transaction. It will contain the requested Type-4 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 - 6 Type-15 Records (Palm Print Records)

3.4.8 Unsolved Latent Enrolment Response (ULER)

This transaction is returned by the RCMP-NPS in response to a ULE transaction. It indicates whether the latent image was successfully enrolled in the requested RCMP latent repository or not.

The ULER transaction will include the following logical records:

- 1 Type-1 Header Record
- 1 Type-2 Record (Data Descriptors)

3.5 ACKNOWLEDGEMENTS

When a transaction is received at the RCMP-NPS-NIST server, it is validated. If the transaction passes the initial NIST validation, then an acknowledgment is returned. This acknowledgment transaction is sent back to confirm that the transaction has passed the initial NIST validation and is being processed. An error can still be returned even if an acknowledgment has been sent to the contributor. Acknowledgements are sent back for Tenprint (CAR, REF and MAP) and Latent (LFS, LFFS) transactions.

3.5.1 Acknowledgement Tenprint (ACKT)

If a tenprint submission 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
- 1 Type-2 Record (Data Descriptors)

3.5.2 Acknowledgement Latent (ACKL)

When a latent submission (LFS and LFFS) passes the initial validation then an ACKL will be returned. The ACKL is sent to confirm that the transaction has passed the initial validation and is being processed. An ERRL can still be returned even if an ACKL was sent to the contributor.

The ACKL transaction will include the following logical records:

- 1 Type-1 Header Record
- 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 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
- 1 Type-2 Record (Data Descriptors)

3.6.2 Latent Transaction Error (ERRL)

This transaction is returned by the RCMP-NPS-NIST server in response to Latent transactions that contained errors. The error could be missing fingerprints, images with improper resolution or wrong calibration, missing mandatory tags, missing conditional tags, invalid tag contents, etc. A message tag will contain details about the error detected.

The ERRL transaction will include the following logical records:

- 1 Type-1 Header Record
- 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
- 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 (^Fs).

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 Image Designation Character (IDC), that is generally in the range 0-16 (1 Type-1, 1 or 2 Type-2, and 14 Type-4), but could be much higher if additional records

are included. The unit/subtag separator (^U_s) shall be used to separate the two information items.

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 3 - Types of Transactions 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 2.2.13 Date Field for additional formatting.

The Date tag contains the date that a transaction was initiated and not the date of the original transaction. For example if a transaction was submitted on Jan 15, 2005 then this tag would contain the value 20050115. If an error was returned and this transaction was resubmitted on Jan 20, 2005 then the contents of this tag would be 20050120.

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.

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 A4 in Appendix A for a list of alphabetic province codes.

Any submissions 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 A4 in Appendix A for a list of alphabetic province codes.

Any submissions 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><6-digit sequence number>

The <7-digit TCN prefix> has the following format:

*nn*NNNNN

where:

nn: 2-digit numeric province code

NNNNN: last 5 digits of the RTID Agency Identifier

See table A4 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.

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.

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: *ccyymmddhhMMssZ*), so the complete date shall not exceed the current date.

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 edit 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 ASCII 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 user-defined text information contained in this record. The Image Designation Character contained in this tag is the Image Designation Character of the Type-2 logical record as 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 acquisition device. This tag is mandatory on all ID Flat Submissions.

2.800: DCN Document Control Number

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

CYYJJN>NNNNNNnnnnESK

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 1 st (i.e. “032” if Feb 01)
NNNNNNN	7-digit RTID numeric Agency Identifier issued and controlled by RCMP-NPS.
nnnn	a 4-digit sequential number (ensures uniqueness)
E	External Flag – <i>see below</i>
S	Document Flag – <i>see below</i>
K	check digit (<i>see Calculation below</i>)

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

$$\text{Weighted Sum} = (3 \times 4) + (1 \times 3) + (3 \times 8) + (1 \times 2) + (3 \times 7) = 62$$

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.

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.

2.802: ADR Address

This tag represents the individual's home address. This tag is made up with Apt./Unit # - Street #/Name, City, Province/State Code, Postal Code/Zip Code, County and Country Code. See table A4 in Appendix A for a list of province codes – only numeric province codes should be used. See table A5 in Appendix A for a list of state codes, all codes may be used for this tag. See table A6 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 subtag (if provided) must be the same as the corresponding code text description. If country code is 998 (Other), the Country subtag 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 subtag.

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 hardcopy 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 subtag of Primary Name.

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 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 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 2.809 - Eye Colour Codes

Code	English Description	French Description
A	BROWN	BRUN

Code	English Description	French Description
D	GREY	GRIS
G	GREEN	VERT
H	HAZEL	NOISETTE
K	BLACK	NOIR
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 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 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
P	PRINCE EDWARD ISLAND	ILE-DU-PRINCE-EDOUARD
Q	QUEBEC	QUEBEC

Code	English Description	French Description
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 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

WI 19145 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 submission. The rules surrounding tag usage are specific to the submission type (TOT) and appear as notes in the Type-2 record layout for the applicable TOTs.

2.818: YPF Young Person Flag

This flag is set only when at least one of the charges 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 submission. 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 submission 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 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 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

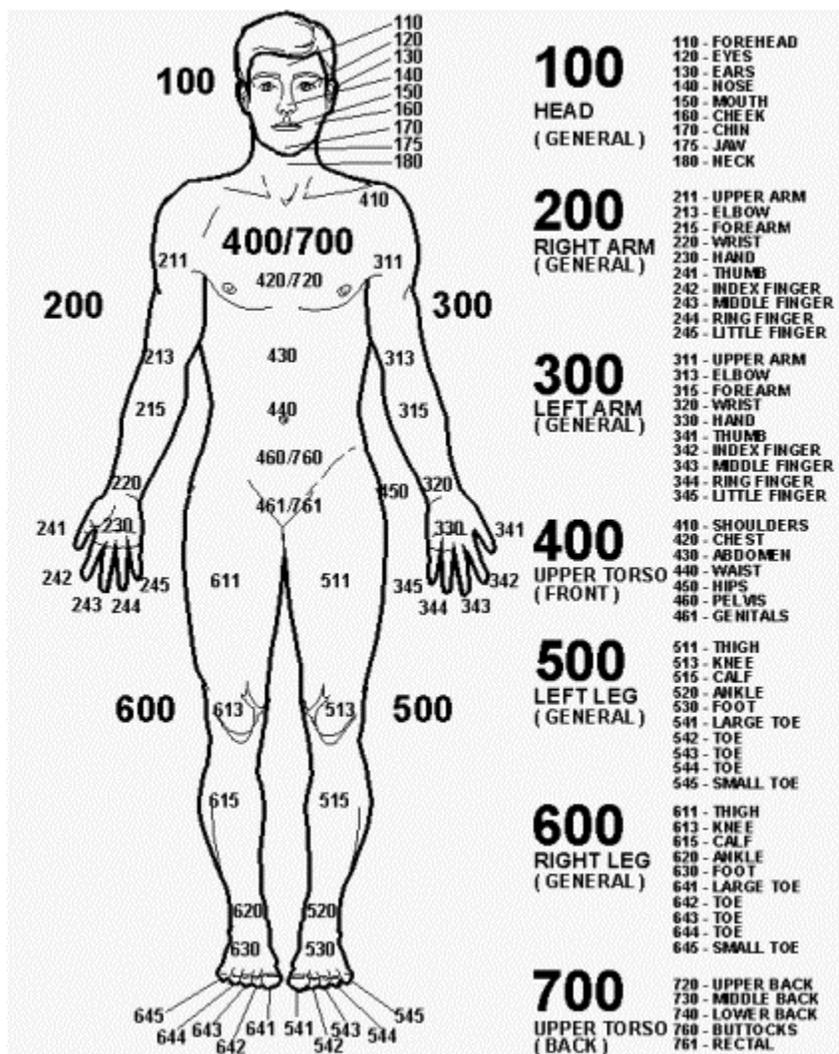


Table 2.823 'B' - Body Location Codes

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)

Code	English Description	French Description
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)
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 TORS (DEVANT)
410	SHOULDERS (GENERAL)	EPAULES (GENERAL)
411	SHOULDER (RIGHT)	EPAULE (DROITE)
412	SHOULDER (LEFT)	EPAULE (GAUCHE)
420	CHEST	POITRINE
421	CHEST (RIGHT)	POITRINE (DROIT)

Code	English Description	French Description
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)
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 TORS (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)

Code	English Description	French Description
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 to 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 subtag of Other Names/Alias.

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 submission 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 *ccyyymmddhhMMss*. All sub-tags are all 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 be used when the user wants to clarify anything in the submission. This will help with the processing of the file because it may eliminate the need for a phone call for further information. 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 be used to clarify information about the submission. This clarification will help with the processing of the transaction, as it may eliminate the need for a phone call to the agency for further information. If there is any data that extends beyond a tag, or the user doesn't know what to do with it, 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 is also used to provide the fingerprint bureau with instructions such as the Officer number and call back numbers.

This tag is 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 contains the charge information. Each occurrence of Charge Information contains a Charge Number, which is numbered sequentially starting at 001 and incremented by 1 (i.e.: 001, 002, etc.) for each subsequent occurrence. Each occurrence also contains a Statute, Section and Wording Number that is either derived from codes found in the NPS-NIST Charge Table or provided in free-form text. When changes are made to the table, a new Charge Table and a new Charge Table Version Number (tag 2.831) will be provided. This table must be used whenever possible for the charge description. **Free Format entries are only to be used when the Statute, Section Number and Wording Number cannot be found in the NPS-NIST Charge Table.** When applicable, VSI information related to a charge must be supplied.

a) NPS-NIST Charge Table:

The most common Section Numbers and Statutes under which an individual may be charged are found in the NPS-NIST Charge 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 or even the Statute itself. Each entry within the table is made up of a unique combination of Language, Statute, 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 is used to expire the entry.

It is mandatory that contributors use the latest version of the NPS-NIST Charge Table without making local amendments to it. If the Language, Statute, Section Number, Wording Number and Wording description is not identical to the NPS-NIST Charge Table, then the contributor will be notified. Similarly, if a contributor submits a charge that is expired on the charge table, the contributor will be notified. The RCMP-NPS will reject a transaction where such discrepancies arise.

Offence Date Rules:

Where the Charge Table is used to choose an entry, the Statute, 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, 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 Charge Table:

Table 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 has an Expiry Date of 20050101 (January 1, 2050) or 20801010 (October 10, 2080).

Based on the above Charge 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 Charge 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

Note: It is strongly discouraged to use Free Format to enter charge information if a valid entry can be found in the NPS-NIST Charge Table.

Uniqueness of Section Number within Statute Rule:

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:

“SEC 155 CUSTOMS ACT UNLAWFUL POSSESSION OF IMPORTED GOODS”

and

“SEC 155 CC INCEST”

Uniqueness of Wording Rules:

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".

Rules Governing Display of Offence / Punishment:

The Section Numbers found in the Charge Table are, in some cases, made up of two Section Numbers – one that references the Offence plus another that references the associated Punishment.

Examples:

- 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 where the value of what is stolen does not exceed five thousand dollars.

The following entries may be provided by the user. All of these entries can be found in the Charge Table.

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

Example of Charge Table Values:

Below is a sample entry from the NPS-NIST Charge Table.

E|C|348(1)(b)|5|19881212|20500101|GO|F|D|A|BREAK ENTER &
 COMMIT|ROBBERY|SEC 348(1)(B) CC||||

The following describes the NPS-NIST Charge Table structure.

NPS-NIST Charge Table Structure

Charge Information	Description	Value in example
Language	Valid values: <ul style="list-style-type: none"> E (English) F (French) 	E
Federal Statute RCR20:	An Act of Parliament Valid values: <ul style="list-style-type: none"> C (Criminal Code) D (Controlled Drugs & Substances Act) E (Excise Act) F (Food and Drug Act) I (Immigration Act) J (Youth Criminal Justice Act) M (Immigration and Refugee Protection Act) N (Narcotic Control Act) P (Copyright Act) O (Other Federal Statutes) U (Customs Act) X (Excise Act 2001) Y (Young Offenders Act) <p>Note: The date of offence will determine under which act and section an individual will be charged. The Excise Act, the Food and Drug Act, the Immigration Act, the Narcotic Control Act and the Young Offenders Act have expired but can still be found in the table.</p>	C
Section Number	Number of the Section within the Statute under which the person was charged. The Section Number and Wording combination are particular to the Statute. This number may be repeated across statutes.	348(1)(b)
Wording Number	Numeric values that point to the unique wording of that particular statute and section. A Section Number within a Statute can have multiple wordings.	5
Proclamation Date	The date on which the Statute / Section Number / Wording Number combination was proclaimed as law.	19881212
Expiry Date	The date on which the Statute / Section Number / Wording was repealed or ceased to exist. All instances where the entry is still valid and in effect has an Expiry Date of 20500101 (January 1, 2050) or 20801010 (October 10, 2080)	20500101
Offence Category	CPIC Offence Codes. Valid values: <ul style="list-style-type: none"> F (Fail to Appear) 	GO

Charge Information	Description	Value in example
	<ul style="list-style-type: none"> • T (Theft) • A (Theft Auto) • W (Weapons) • V (Violence) • K (Sex) • L (Driving Offence) • M (Other CC) • O (Robbery) • D (Drugs) • R (Arson) • G (Break & Enter) • U (Other Federal Statutes) • H (Fraud) <p>There can be more than one offence code per section. Therefore, combinations of above codes are possible.</p>	
Caution Flag	Valid Values: <ul style="list-style-type: none"> • F (Violence) • E (Escape) • S (Suicidal) 	F
Trial Method	Valid Values: <ul style="list-style-type: none"> • S (Summary) • I (Indictable) • D (Hybrid) 	D
Attempt/ Conspiracy	Valid Values: <ul style="list-style-type: none"> • A (Attempt) • C (Conspiracy) • F (Accessory After The Fact) <p>These values are used to indicate whether this charge can be used in conjunction with another valid charge in order to denote either an Attempt or Conspiracy to commit.</p>	A
Wording – Line 1	The actual wording of the charge as installed on CPIC CR11. Notes: Line 1 to line 7 make up the actual wording of the charge as installed on CPIC CR11. Each line can contain no more than 26 characters.	BREAK ENTER & COMMIT
Wording – Line 2	The actual wording of the charge as installed on CPIC CR11.	ROBBERY
Wording – Line 3	The actual wording of the charge as installed on CPIC CR11.	SEC 348(1)(B) CC
Wording – Line 4	The actual wording of the charge as installed on CPIC CR11.	
Wording – Line 5	The actual wording of the charge as installed on CPIC CR11.	
Wording – Line 6	The actual wording of the charge as installed on CPIC CR11.	
Wording – Line 7	The actual wording of the charge as installed on CPIC CR11.	

b) Volunteer Screening Initiative:

VSI information contains the following:

- VSI flag (*VSIFlag*) from the VSI Flag table 2.829'B',
- Victim Age Group Code (*VictimAge*) from the Victim Age Group table 2.829'C'.
- Victim Sex Code (*VictimSex*) from the Victim Sex table 2.829'D',
- Publication Ban Indicator. Valid values are 0 (No) or 1 (Yes). Default is 0.

The *VictimAge* is mandatory if *VSIFlag* is "C", otherwise it cannot be entered.

The *VictimSex* is mandatory if *VSIFlag* is "C" and cannot be entered if Publication Ban Indicator is not specified.

Table 2.829 'B' - Volunteer Screening Initiative Flags (VSI) 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 2.829 'C'- 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 2.829 ‘D’ - Victim’s Sex Codes

Code	English Description	French Description
F	FEMALE	FEMININ
M	MALE	MASCULIN
B	BOTH	TOUS
U	UNKNOWN	INCONNU

2.831: CGV Charge Table Version Number

This tag is used to identify the charge table version that the contributor is using as supported by RCMP-NPS.

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 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 Suspended Criminal Record information included in the search results of civil submissions is provided in a language selected by the civil applicant. This tag is only applicable to certain Civil Application Types. See Table 2.869 - MAP Application Types for details. Valid values are:

Table 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 on the submission is fee based as per Table 2.869. If this tag is included for an application that does not require a fee, the submission will be rejected.

Table 2.838 - Payment Type Codes

Code	English Description	French Description
4	BULK BILLING	FACTURATION GLOBALE
5	CREDIT CARD	CARTE DE CREDIT

2.848: CCI Credit Card Information

This tag includes sub-tags for the type of credit card used, the credit card number, the credit card expiry date, and the credit card holder's name. See table 2.848 below for valid credit card type values.

Table 2.848 - Credit Card Codes / Information

Code	Card Type	Starts with	Length	Check Digit Algorithm
3	AMEX	34,37	15	mod 10
4	VISA	4	13, 16	mod 10
5	MASTERCARD	51-55	16	mod 10

Credit cards contain a check digit, which is the digit at the end of the credit card number. The check-digit validation must take place prior to submission of the credit card information. The first part of the credit-card number identifies the type of credit card (Visa, MasterCard, American Express, etc.), and the middle digits identify the bank and customer.

The Mod 10 on a credit card number works as follows:

- 1) Starting with the second to last digit and moving left, double the value of all the alternating digits.
- 2) Starting from the left, take all the unaffected digits and add them to the results of all the individual digits from step 1. If the results from any of the numbers from step 1 are double digits, make sure to add the two numbers first (i.e. 18 would yield 1+8). The equation will look like a regular addition problem that adds every single digit.
- 3) The total from step 2 must end in zero for the credit-card number to be valid. For example, to validate the primary account number 49927398716:

Step 1:

$$\begin{array}{r}
 49927398716 \\
 \times 2 \times 2 \times 2 \times 2 \times 2 \\
 \hline
 18 \quad 4 \quad 6 \quad 16 \quad 2
 \end{array}$$

Step 2: $4 + (1+8) + 9 + (4) + 7 + (6) + 9 + (1+6) + 7 + (2) + 6$

Step 3: Sum = 70: Card number is validated

Note: Card is valid because the 70/10 yields no remainder.

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 on the submission is fee based as per Table 2.869. If this tag is included for an application that does not require a fee, the submission will be rejected.

2.850: ATS Application Type Specify

This tag will capture the name of the organization for which the individual is volunteering or working and what they will be doing.

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

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

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.

2.858: ODT Offence Date

This tag provides the date of the offence.

2.860: REM Description of Crime Scene / Remarks

This tag indicates a short description of the crime scene where the latent images were located and how they were developed along with any other comments.

2.861: LCT Latent Submission Crime Type

This tag represents the type of crime pertaining to a latent crime scene. The Latent Submission Crime Type Code from the table below is in the format of *aann* where *aa* is a character and *nn* is numeric.

Table 2.861 – Latent Submission Crime Type Codes

Code	English Description	French Description
AA00	MURDER	HOMICIDE
AA05	ATTEMPTED MURDER	TENTATIVE DE MEURTRE
AA33	ROBBERY	VOL QUALIFIE
AA43	SEXUAL ASSAULT	AGRESSION SEXUELLE
AA44	ASSAULT	VOIES DE FAIT
AA66	ABDUCTION	ENLEVEMENT
AB00	BREAK & ENTER	INTRODUCTION PAR EFFRACTION
AB11	THEFT OF MOTOR VEHICLE	VOL DE VÉHICULE AUTOMOBILE
AB22	THEFT OVER \$5000	VOL DE PLUS DE \$5000
AB24	THEFT FROM MOTOR VEHICLE	VOL DANS UN VÉHICULE
AB33	THEFT UNDER \$5000	VOL DE MOINS DE \$5000
AB44	POSSESSION STOLEN GOODS	RECEL
AB52	FRAUDS	FRAUDES
AB59	IMPERSONATION/PERSONATION	SUPPOSITION DE PERSONNE
AB67	THEFT OF TELECOMMUNICATIONS UNDER \$5000	VOL DE TELECOMMUNICATIONS DE MOINS DE 5000\$
AB68	THEFT OF TELECOMMUNICATIONS OVER \$5000	VOL DE TELECOMMUNICATIONS DE PLUS DE 5000\$
AC00	MORALS (GAMBLING, PROSTITUTION)	MORALITE (JEU, PROSTITUTION)
AC11	OFFENSIVE WEAPONS	ARMES OFFENSIVES
AC22	OTHER CRIMINAL CODES	AUTRES INFRACTIONS AU CC
AC23	ARSON	INCENDIE CRIMINEL
AC24	COUNTERFEITING	CONTREFAÇON
AC27	MISCHIEF	MÉFAIT
AC28	PROPERTY DAMAGE OVER \$5000	MEFAIT DE PLUS DE 5000\$
AC29	PROPERTY DAMAGE UNDER \$5000	
AC39	EXTORTION	EXTORSION
AC40	CHILD PORNOGRAPHY	PORNOGRAPHIE JUVENILE
AC41	HARASSMENT	HARCÈLEMENT
AC72	PROCEEDS OF CRIME (LAUNDERING)	PRODUITS DE LA CRIMINALITE (BLANCHIMENT D'ARGENT)
AD48	POSSESSION NARCOTICS	POSSESSION DE STUPEFIANTS
AD49	TRAFFICKING NARCOTICS	POSSESSION DE STUPÉFIANTS
AD50	IMPORTATION NARCOTICS	IMPORTATION DE STUPÉFIANTS
AD51	CULTIVATION NARCOTICS	CULTURE DE STUPÉFIANTS
AE17	EXCISE ACT (LIQUOR)	LOI SUR L'ACCISE (ALCOOL)
AE18	EXCISE ACT (TOBACCO)	LOI SUR L'ACCISE (TABAC)
AE36	PROCEEDS OF CRIME	PRODUITS DE LA CRIMINALITE
AF08	EXPLOSIVES	EXPLOSIFS
AF32	IMMIGRATION STATUS	STATUS D'IMMIGRATION
AG02	DECEASED	DECEDE
AJ53	SUSPECT IN CUSTODY	SUSPECT EN DETENTION
AT00	CRIMINAL TRAFFIC CODE	INFRACTION AU CODE DE LA ROUTE

Code	English Description	French Description
AT77	FAIL TO STOP - REMAIN AT SCENE	DEFAULT D'ARRETER- FUITE
DQ00	C-216 (UNSUITABLE)	C-216 (IMPROPRE A LA RECHERCHE)
FL00	TERRORIST ACTIVITY	ACTIVITE TERRORISTE
FS20	THREATS	MENACES
FS22	THREATENING LETTERS	LETTRES DE MENACES
DN00	DECEASED OFFENDER NOTIFICATION	AVIS DE DECES DU CONTREVENANT

2.869: APT 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 vendor will consult with the RCMP to determine which of these application types are currently available. 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 submission.

Table 2.869 - MAP Application Types Codes – English Description

CODE	LANGU AGE 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	LANDED IMMIGRANT STATUS			0
20	YES	EMPLOYMENT (PROVINCIAL GOVT)			\$25.00
21	NO	EMPLOYMENT (FEDERAL GOVT)			0
22	YES	EMPLOYMENT (OTHER)			\$25.00
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
39	YES	OTHER (SPECIFY REASON)			\$25.00

CODE	LANGUAGE OPTION	APPLICATION TYPE	SUBTYPE CODE	SUBTYPE	FEE
44	NO	NATIONAL SEX OFFENDER REGISTRY			0
50	NO	NAME CHANGE	5001	ALBERTA	\$25.00
			5002	BRITISH COLUMBIA	\$25.00
			5003	OTHER	\$25.00

Table 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 D'IMMIGRANT RECU			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
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
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\$

2.870: VAO Vulnerable Sector Consent Number One – Authentication Obtained Indicator

This tag is used to indicate that the biometric authentication has been obtained in the form of a plain impression. The only value acceptable for this tag is 1 (Yes).

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 value acceptable for this tag is 1 (Yes).

2.872: TPW Third Party Waiver Authentication Obtained Indicator

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 value acceptable for this tag is 1 (Yes).

2.873: DIS Details of Information Sought

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

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 or the reason for the search is not acceptable then the FBI search request will be rejected.

2.875: RRES RCMP-NPS Results

This tag is included in the responses to the contributor. If it is set to “Y” then the response is from the RCMP-NPS. If it is set to “N” then the response is a 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 submission is 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 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 A5 in Appendix A for a list of state codes, all codes identified in the states to search column may be used for this tag.

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 request 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 indicates the city in which the individual was born.

2.884: POE Port of Entry

This tag indicates at which port the individual entered into Canada.

2.885: DOE Date of Entry

This tag indicates 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 refugee files within the RCMP-NPS. The refugee file number assigned by the RCMP-NPS is formatted as follows:

33000NNNNNNN

where NNNNNNN is a 7-digit number.

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 unique identifier number is assigned by CBSA/CIC and represents a subject of interest to CBSA/CIC.

2.889: BCID Biometric Consent Image Designator

This tag represents the Image Designator 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 is populated by the list of countries that the contributor wants searched.

Not all International Countries will allow civil fingerprint searches. See table A6 in Appendix A for a list of country codes. All codes identified in the International Countries to Search column may be used for this tag.

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, then this tag will indicate which finger(s) is/are in question. This will prevent the RCMP-NPS-NIST server from rejecting the prints based on poor quality. See table A1 in Appendix A for a list of finger codes. Valid values are 01 to 15.

Table 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
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.

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.

RCR 1432:

Table 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.”

2.8001: NIMG Number of Images

This tag contains the Number of Images in the Search Result Latent (TOT SRL) transaction.

2.8002: ICON Image Content

This tag links the candidates in the candidate list to the images in the Type-4 or Type-13 Records via the Image Designation Character.

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. 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:

Type Of Transaction	Retention Code
CAR RET Y	Y
CAR RET N	N
REF	Y
MAP (Other Application Types)	N
MAP (RCMP Member to Retain)	Y

Note: Future legislation and/or policy changes may affect the retention rules.

2.8007: CDT Creation Date

This tag indicates the date the latent image was added to the RCMP’s Unsolved Latent File (ULF).

2.8008: RER Remote Encoding Results

This tag contains the Date and Operator Identifier of the user responsible for encoding the image.

2.8009: RVR Remote Verification Results

This tag contains the Date and Operator Identifier of the user responsible for verifying the image encoding.

2.8010: CIN Contributor Case Identifier Numbers

This tag contains the case identifier assigned by the contributor to uniquely identify a latent case. This tag is made up of the Ident Section File Number and the Occurrence Number.

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 subtag of the Next of Kin Name. To indicate the Next of Kin Relationship use the codes from the following table.

Table 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

2.8013: FGP Finger/Palm Position

This tag contains a 2-digit code identifying the finger position. Finger/Palm position codes can be found in Appendix A, table A1. Valid values are 01 to 10, 20 to 30.

2.8014: FBI FBI File Number

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

2.8017: LFN Latent File Number

This tag contains the Latent File Number associated with a latent case. To ensure uniqueness across all contributors, the RCMP will prefix this number with the 7-character alphanumeric RTID Agency Identifier.

2.8018: LTC Latent Type Code

This tag indicates whether the latent is a finger or palm. Valid values are:

- 1 - Finger
- 2 - Palm

2.8020: AOF Address of Offence

This tag contains the address where the crime was committed. If there is no specific address involved (such as a wooded area), then a short description of the area where the crime was committed is required. See table A4 in Appendix A for a list of province codes, only numeric province codes specified in the province code column shall be used. See table A5 in Appendix A for a list of state codes, all codes may be used for this tag.

2.8021: AAI Added by Agency Identifier

This tag is used to identify the Agency responsible for adding the image to the RCMP's Unsolved Latent File (ULF). This tag is in the same format as the alphanumeric RTID Agency Identifier in Destination Agency Identifier (tag 1.007) and Originating Agency Identifier (tag 1.008).

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. 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 CARN only, enter all zeros (00000000) if date of birth is unknown or uncertain.

2.8024: ISF Ident Section File Number

This tag is used to indicate the file number assigned by the Contributor for a submission.

2.8025: AGR Age Range

This tag is used to enter an estimated age range of an individual. The first two digits entered shall represent the minimum age and the next two digits shall represent the maximum age. No separator character shall be used between the minimum and maximum ages.

2.8026: DLST Deleted Latent Search List

This tag identifies the searches that have been deleted from the RCMP's Unsolved Latent File (ULF).

2.8027: HTR Height Range

This tag is used to enter an estimated height range of an individual. The first three digits entered shall represent the minimum height (the first of the three digits represents feet while the next two represent inches) and the next three digits shall represent the maximum height (the first of the three digits represents feet while the next two represent inches). No separator character shall be used between the minimum and maximum height. The allowable height range is 400 to 711.

2.8028: WTR Weight Range

This tag is used to enter an estimated weight range of an individual. The first three digits entered shall represent the minimum weight and the next three digits shall represent the maximum weight. No separator character shall be used between the minimum and maximum weight. The allowable weight range shall be entered in pounds. The allowable weight range is 050 to 499.

2.8029: PAT Pattern Level Classification

This tag is used to enter information about the finger and pattern types. This tag is broken up into 2 sub-tags Finger Number and Pattern Code. See table A1 in Appendix A for a list of finger / palm codes. Valid values are 01 to 10. See table below for valid pattern codes.

Table 2.8029 - Pattern Codes

Code	English Description	French Description
AU	ARCH, TYPE NOT DESIGNATED	ARC, TYPE NON DESIGNE
WU	WHORL, TYPE NOT DESIGNATED	VERTICILLE, TYPE NON DESIGNE
RS	RIGHT SLANT LOOP	BOUCLE A DROITE
LS	LEFT SLANT LOOP	BOUCLE A GAUCHE
SR	COMPLETE SCAR	CICATRICE COMPLETE
XX	AMPUTATION	AMPUTATION
UC	UNABLE TO CLASSIFY	INCLASSABLE

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 submission after Time-Zone adjustments.

2.8044: ESD Effective Search Date

This tag indicates the date that a fingerprint based criminal record search was completed.

2.8045: DOA Date of Arrest

This tag is used to enter 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 is used in response transactions indicating that the request was performed successfully. Valid values are 1 for Yes and 0 for No.

2.8059: SRF Criminal Search Result Findings

This tag is used in the Ten print Search Results (TOT SRE) to indicate the Criminal Search Result findings. The SRE will still contain information (narrative message, action to be taken, etc.) that pertains to the search.

Table 2.8059 - Criminal Search Result Findings Codes

Code	English Description	French Description
I	POSITIVE	POSITIF
N	NEGATIVE	NEGATIF
U	UNSUITABLE	REJET
X	NOT APPLICABLE	SANS OBJET

Notes:

- A value of “**I**” means there was a criminal identification made; therefore an existing FPS Number will be returned.
- A value of “**N**” means there were no criminal identifications. For a CAR Y a new FPS Number will be returned.
- A value of “**U**” means that the fingerprints were unsuitable.
- A value of “**X**” means that no information pertinent to Criminal Search Result Findings is being returned in the SRE.

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.

2.8061: CST Case Title

This tag identifies the Latent Case Title.

2.8071: ACN Action to be Taken

This tag is used to return information either advising the contributor to take a specified action, or informing the contributor of an action being undertaken by the RCMP on the contributor’s behalf.

2.8084: MFR Missing Fingerprint Reason

This tag is used to indicate reasons for missing fingers and missing images. If there are fewer than fourteen fingerprint images in a ten print submission or fewer than three fingerprint images in an ID Flats submission or missing fingers on the subject then this tag must be populated. 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 can be found in Appendix A, table A1. Valid values are 01 to 15. The missing fingerprint reason codes are listed in Table 2.8084 below.

Table 2.8084 - 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.

Notes:

For civil submissions containing Identification Flats only, if any of the 3 required images (13, 14 or 15) are missing the Missing Fingerprint Reason is required for the missing image or images.

If the subject has amputated or bandaged fingers that cannot be captured within one of the 3 ID Flat images, then use codes '01' to '10' to indicate which fingers are amputated or bandaged. Codes '11' and '12', which refer to plain images, should not be used to identify missing fingers 1 and 6. For example, if a subject has finger Number '02' amputated, but all three ID flats images can be obtained, then a Missing Fingerprint Reason should be specified for Finger Position '02' and all 3 ID Flat images should be provided in the submission. If a subject has finger Number '01' amputated and all three ID flats images can be obtained, then a Missing Fingerprint Reason should be specified for Finger Position '01' (not '11') and all 3 ID Flat images should be provided in the submission.

If a subject, has a physical limitation such that a plain impression cannot be obtained and the subject has all ten fingers (no amputations or bandaged) then provide the Missing Fingerprint Reason for the plain impression only.

On a TP submission where a left thumb is missing on the subject, then there must be an entry in tag 2.8084 for both the rolled thumb Finger Position '06' and the plain thumb Finger Position '12'.

2.8105 CFR Composite Fetch Request

This tag is used to request the RCMP's composite fingerprint set be returned for a specified Fingerprint Section Number (FPS) or Refugee File Number.

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.

2.8111: DOD Date of Death

This tag shall contain the date of death of the individual.

2.8124: ATN Attention

This tag shall contain the name of the individual to whose attention the transaction is to be directed.

2.8128: TNA Type of New Activity

This tag indicates the type of new activity received on a particular file.

2.8142: EXD Expiry Date

This tag indicates the date when the image will be purged off the RCMP Unsolved Latent File.

2.8144: LID Latent Identifier

The identifier uniquely identifies a latent image.

2.8206: VRLD Respondents List Verification

This tag is used to indicate how the remote verification technician dispositioned each respondent. The following sub-tags make up this tag: Candidate List File Number or Latent Search ID, Manual Verification Disposition Code, Finger Number, Match Score and Rank. See table A1 in Appendix A for a list of finger /palm codes.

Table 2.8206 – Manual Verification Disposition Codes

Code	English Description	French Description
0	NO HIT	NON-IDENTIFICATION
1	HIT	IDENTIFICATION
2	NOT VIEWED	NON VISUALISE

2.8208: NOM Number of Minutiae

This tag is used to indicate the number of minutiae encoded in the latent image.

2.8288: FPC Fingerprint Classification Filters

This tag is used to indicate the FPC's for filtering a latent search or for retention on the ULF.

Table 2.8288– Fingerprint Classification Filters

Code	English Description	French Description
A	ARCH	ARC
W	WHORL	VERTICILE
R	RIGHT LOOP	BOUCLE A DROIT
L	LEFT LOOP	BOUCLE A GAUCHE
U	UNKNOWN	INCONNU

Note: All single occurrences and pairwise combinations of A, W, R and L are permitted (ie., the following are permitted: A, W, R, L, U, AW, AR, AL, WA, WR, WL, RA, RW, RL, LA, LW, LR).

2.8289: ARI Authority to Release Indicator

This tag is used to indicate that the latent information can be released to a ten print contributor upon reverse search hit: should be set to 1 by the contributor if a hit confirmation is allowed to go out to a contributor of a ten print submission on a reverse search ident; set to 0 if the hit confirmation is not allowed to be sent out to the ten print contributor.

2.8291: FINS Fingerprint Searched

This tag represents the number of fingerprints searched against after filtering.

2.8292: RSL Respondent Size Limit

This tag specifies the respondent list limit if one was applied to the search.

2.8293: LCRTD Latent Certification Disposition

This tag represents the certification results of each certifier, up to 3 certifications for the same hit. It is made up of the following sub-tags:

- Certification Operator Identifier: the identifier of the operator performing the certification
- Certification Disposition Type Code: represents the selection made by the certification technician. Applicable values are 1 (Certify), 2 (Not Identical), 3 (Unsuitable for Certification).
- Candidate List File Number / Latent Image ID
- Manual Verification Disposition Code: represents the outcome of manual verification of the respondent. Applicable values are 0 (no hit), 1 (hit), and 3 (not viewed).
- Fingers Used to Certify: represents the finger numbers used for certification. Each finger must be a 2-digit code with no separators between finger numbers. Finger Numbers codes can be found in Appendix A, table A1.
- Start Date/Time of Certification
- End Date/Time of Certification
- Rank

2.8295: RSTS Latent Search Target Set Code

This tag indicates repositories to search against (ULF, Special Repositories).

Table 2.8295 – Latent Search Target Set Codes

Code	English Description	French Description
1	ULF	TNI
2	REPOSITORY 2	DEPOT 2
3	REPOSITORY 3	DEPOT 3
4	REPOSITORY 4	DEPOT 4
5	REPOSITORY 5	DEPOT 5
6	REPOSITORY 6	DEPOT 6

2.8296: COI Certified Operator Indicator

This tag indicates if the remote operator is certified. Valid values are:

- 0. Not Certified
- 1. Certified

2.8297: RNSC Forward to Remote Network Search Coordinator Reason Code

For internal use only. Not used by external system.

This tag indicates that the transaction is to be forwarded to the Remote Network Search Coordinator. Valid values:

- 1. Hit to Closed / Inactive File
- 2. Hit to Archived File
- 3. Hit to Employee
- 4. Hit made by uncertified operator
- 5. Search by uncertified operator

This tag is populated by the NPS NIST Server.

2.8298: REZ Resize factor

This tag represents the resize factor applied to the image from its original state. Default is 0.

2.8302: RTSF Record Type Search Filter

This tag is used to indicate the ten print file types to search.

Table 2.8302 - Record Type Search Codes

Code	English Description	French Description
1	CRIMINAL	CRIMINEL
2	REFUGEE	REFUGIES
3	EMPLOYEE	EMPLOYES
4	REPOSITORY 4	DÉPÔT 4
5	REPOSITORY 5	DÉPÔT 5

Code	English Description	French Description
6	REPOSITORY 6	DÉPÔT 6

2.8311: RFS Repository File to Search

This tag identifies the repository file to search: 1 means tenprint search, 0 means unsolved latent search.

2.8313: CLL Candidate List Limit

This tag indicates the number of candidates to be returned to the contributor in the match report and in the reply transaction. Valid values are 1-100.

2.8315: CIL Candidate Image List Limit

This tag will generate a list of respondent files to be viewed by the contributor in response to a search against the repository. Valid values are 0-25.

2.8330: ROT Rotation

This tag represents the rotation angle applied to the image from its original state. Default is 0.

2.8332: AULF Add To Unsolved Latent File

This tag indicates whether the contributor wants the submission to be added to the Unsolved Latent File. Valid values are 0 = No and 1 = Yes.

2.8333: LTVN Latent Verification Node/Agency ID

This tag indicates the workstation node or Agency ID assigned to a remote Latent Device used for the return of the verification packet. This tag is in the same format as the alphanumeric RTID Agency Identifier in Destination Agency Identifier (tag 1.007) and Originating Agency Identifier (tag 1.008).

2.8334: NCR Number of Candidates

This tag indicates the number of candidates listed in the Candidate List (tag 2.8335) in the SRL transaction.

2.8335: CAN Candidate List

This tag provides the Candidates List returned in the SRL transaction. It includes the following sub-tags:

- Candidate List File Number / Latent Image Identifier
- Candidate Finger Number/Palm Position. See table A1 in Appendix A for a list of finger / palm codes.
- Match Score
- Rank
- Document Control Number
- Respondent Fingerprint Classification codes. See table 2.8335A for description of fingerprint classification codes.
- Gender

- Originating Agency Identifier
- Creation Date
- Offence Date
- Latent Submission Crime Type Code. See table 2.861 for description of latent crime type codes.
- Ident Section File Number
- Search Palm Area Center x
- Search Palm Area Center y
- Search Palm Area Rotation
- Search Palm Area Width
- Search Palm Area Height
- Candidate Palm Area Center x
- Candidate Palm Area Center y
- Candidate Palm Area Rotation
- Candidate Palm Area Width
- Candidate Palm Area Height

Table 2.8335 ‘A’- Fingerprint Classification Codes

Code	English Description	French Description
A	ARCH	ARC
W	WHORL	VERTICILLE
R	RIGHT LOOP	BOUCLE A DROITE
L	LEFT LOOP	BOUCLE A GAUCHE
U	UNKNOWN	INCONNU

Note: All single occurrences and pairwise combinations of A, W, R and L are permitted (ie., the following are permitted: A, W, R, L, U, AW, AR, AL, WA, WR, WL, RA, RW, RL, LA, LW, LR).

2.8336: LCI Latent Image Identifier

This tag represents a unique identifier to reference a single instance (duplicate) of a latent image. Each instance may represent a different set of image adjustments applied to the image or a different set of characteristics and / or descriptors saved on the ULF. This tag is the Latent Identifier plus a sequential two digit suffix that increment with each image’s duplication.

2.8337: OID Operator Identifier

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

2.8351: LRTC Latent Repository Code

This tag represents the latent repository to which a latent image can be enrolled under. Valid values are shown in Table 2.8351.

Table 2.8351 - Latent Repository Codes

Code	English Description	French Description
1	ULF	TNI
2	REPOSITORY 2	DEPOT 2
3	REPOSITORY 3	DEPOT 3
4	REPOSITORY 4	DEPOT 4
5	REPOSITORY 5	DEPOT 5
6	REPOSITORY 6	DEPOT 6

2.8354: TTI Transcoder Transaction Identifier

This tag shall contain a unique identifier representing an instance of a latent workflow on a remote Latent Device. It is used to associate LFFS, LFSRD, ULE and LCLO transactions pertaining to the same Latent Image ID and workflow instance. It must be unique across all Latent Device sites. When a latent image is retrieved from an RCMP repository and a new search invoked, then a new TTI must be created.

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 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 VS Consent must also be included with the submission. If one is not included, the submission will be rejected.
- **WI 19145** A code value of 2 can be specified by a contributor who is:
 - Authorized to receive civil search results via email;
 - Authorized to remit MAP submissions 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 submissions.
- A code value of 3 means the response will be returned to the individuals 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 submission for the purpose of authorizing the release of the results to a third party. The Return Mailing Address (tag 2.8903) becomes mandatory.

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 submission will be rejected.

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 A4 in Appendix A for a list of province codes, only numeric province codes specified in the province code column shall be used. See table A5 in Appendix A for a list of state codes, all codes may be used for this tag. See table A6 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. This number may be returned to the contributor for reference purpose.

2.8910: NVN External ICD Version Number

This is the version number of the NPS-NIST-ICD used to create the transaction.

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. When new tables are supplied to contributors, they will be supplied with a version number. The default is 001.

2.8912: ISRF Refugee Search Results Findings

This tag is used in the SRE to indicate the Search Result Findings for the tenprint search request. The SRE may still contain other information (narrative messages, action to be taken, etc.) that pertains to the search.

Table 2.8912 – Refugee Search Result Codes

Code	English Description	French Description
I	POSITIVE	POSITIF
N	NEGATIVE	NEGATIF
U	UNSUITABLE	REJET
X	NOT APPLICABLE	SANS OBJET

Notes:

- A value of “**I**” means there was a refugee identification made.
- A value of “**N**” means there were no refugee identifications.
- A value of “**U**” means that the fingerprints were unsuitable.
- A value of “**X**” means that no information pertinent to Refugee Search Result Findings is being returned in the SRE.

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 2.8913 – Criminal Record Codes

Code	English Description	French Description
124	CANADA	CANADA
840	UNITED STATES	ETATS-UNIS

2.8920: CSI Contributor Supplied Information

In an SRE responding to a CAR or MAP, this tag is used to return the Contributor Individual Reference Number (tag 2.804) and Contributor Case/File Number (tag 2.8908). In an SRE responding to a REF, this tag will contain the CBSA/CIC Office Number (tag 2.887) and FOSS Number (tag 2.888).

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 subtag 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 subtag of the Mother’s Name.

2.8931: NFT Name of Person Responsible for Transaction

This tag contains the name of the person submitting the transaction. If the submission 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.

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 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

Code	English Description	French Description
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 is the name of the country in which the individual was born. See table A6 in Appendix A for a list of country codes, all 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.

2.8937: ELIM Eliminations Completed Indicator

This tag is used to indicate that eliminations of the submitted latent fingerprint/palmprint images were done. This means that they were checked against the fingerprints of the victim, investigating officer, etc. Valid values are 1 for Yes and 0 for No.

2.8938: NOTF Name of Official taking fingerprints

This tag contains the name of the person taking the fingerprints. If the submission is created at a Cardscan facility, this tag contains the name that appears on the C-216C in the box “Signature of Official taking fingerprints”.

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 submission 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. Where the value of 1 (i.e. Yes) is entered an authorization to disclose a suspended sexual offence appearing on a criminal record must be provided. This tag is only available to Police Agencies with CPIC access.

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.

4.3 TYPE-4 DATA DEFINITION (HIGH-RESOLUTION GRAY SCALE 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.

When there are one or more Type-4 logical records, each entry is provided in nine ordered and unnumbered tags. The first eight tags total eighteen bytes, are fixed length and contain the information about the fingerprint image that is included in the record. Starting at byte 19 is the fingerprint image.

The high-resolution grayscale fingerprint image data contained in the Type-4 logical record may be in compressed form. This logical record type is used for tenprint images. There may be up to 14 of these Type-4 records in a transaction 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 / palm images see table A2 in Appendix A.

Notes:

- If the image contained in the Type-4 record is obtained by scanning a hard copy 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.
- If the compression algorithm used is WSQ the compression ratio shall be 15:1. 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: This definition is taken directly from the ANSI/NIST definition. 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-7 DATA DEFINITION (LATENT IMAGE RECORD)

The Type-7 Record will contain user-defined image information relating to the transaction submitted for processing. The Type-7 logical record is a binary record that shall not contain any ASCII data. This record shall be used to capture object shots in the LFS transaction at 500 ppi.

4.5 TYPE-9 DATA DEFINITION (MINUTIAE DATA)

The Type-9 Record contains ASCII text describing minutiae and related information encoded from a finger or palm. The Type-9 record is currently only available to authorized remote sites. Additional information about the RCMP's implementation of Type-9 Records can be obtained by contacting your RCMP National Police Services representative. A detailed layout of Record Type-9 is not provided in this specification.

WI 44444

4.6 TYPE-10 DATA DEFINITION (PHOTO IMAGE RECORD)

The Type-10 record contains facial images data and related ASCII information pertaining to the specific image contained in the record. It is used to exchange both grayscale and colour image data either in a compressed or an uncompressed form. 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, submissions may be rejected.

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.

4.7 TYPE-13 DATA DEFINITION (LATENT IMAGE RECORD)

The Type-13 tagged-field image record shall contain, and be used to submit latent fingerprint and palm print image data together with fixed and user-defined textual information fields pertinent to the digitized images. The Type-13 logical record shall be uncompressed.

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

There are two additional tags defined by RCMP-NPS.

13.200: INM Image Name

This tag is the name of the image file assigned by the contributing agency. This image name must be unique for the entire case including all submissions pertaining to the same case/request.

13.201: COMM Comments

This tag provides the contributing agency a way to include any comments relevant to the image. It allows the additional formatting characters carriage return and line feed as well as the complete RCMP special character set. Use this tag instead of the ANSI/NIST defined comment tag 13.020.

4.8 TYPE-14 DATA DEFINITION (VARIABLE RESOLUTION TENPRINT 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.

The image records will contain the left and right plain impressions as well as the two thumbs. 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 v8.0. For finger codes, see table A1 (Finger Position Codes). For allowable box sizes, see table A2 (Allowable Box Sizes for Finger / Palm Images) in Appendix A.

This 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 finger number capture (most preferred to least preferred) for the biometric consent:

Table 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

In cases where a biometric consent image is contained in the type-14, that the corresponding finger should be captured for identification purposes. A finger indicated as missing in the type-2 record should not be identified as the biometric consent image.

There are four additional tags defined by RCMP-NPS.

14.013: FGP Finger Number

This tag shall contain the finger number code that matches the tenprint image. See table A1 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.

14.022: IQM Image Quality Metric

This tag shall contain the image quality scores for the individual fingers.

14.200: IMTC Image Type Contained

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

- 1 - Rolled tenprint
- 2 - Identification flats
- 3 - Biometric consent

4.9 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.

4.10 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

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	<u>1st occurrence (mandatory):</u> - Information item #1: a single character indicating this is a Type-1 record consisting of header information - Information Item #2: the sum of the Type-2 to Type-15 logical records in this file. <u>Subsequent occurrence(s):</u> - information item #1: type of record - 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	N	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 submissions 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.	
OAI	M	1.008	Originating Agency Identifier	AN	7	7	1	1	In submissions 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.	

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		
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 SUBMISSION (CAR Y)

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	O	2.067	Image Capture Equipment				0	1		
	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		
	O		Postal Code/ZIP Code	ANS	1	10	0	1	Format of Canadian postal codes: AnA 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

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		
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		Space, Hyphen, Apostrophe, Period
	O		Given Name 2	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	O		Given Name 3	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	O		Given Name 4	AS	1	15	0	1		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) 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	WI 19145 Reserved for future use	

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		
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
	O		Given Name 2	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	O		Given Name 3	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	O		Given Name 4	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
NTS	O	2.826	Notepad Message				0	1		
	M		Date/Time	N	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 1 and is used to identify each charge; The valid values are 001 – 999.	

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		
	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 charge	AN	1	2	1	1	See STATUTE Table (available upon request).	
	C		Section Number of charge	ANS	1	20	0	1	If Free Form Flag = "N", the number must be found in Charge 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 Num. "Language + Statute + SectionNum + Wording Number" form a unique key in Charge Table.	
	O		Section # of an Attempt or Conspiracy or Accessory After The Fact	ANS	1	38	0	1	Found in Charge Table with ACSection = "A" or "C".	Any RCMP special character
	O		Charge Status Flag	A	1	1	0	1	Not currently in use. This flag is to be set to "C" (Charge Complete) if Disposition Details for this Charge have been sent to RCMP-NPS.	
	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 Charge Table. If found in the Charge 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

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 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
	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		VSI Flag Code	A	1	1	0	1		
	C		Victim Age Group Code	A	1	1	0	1	Mandatory if VSI Flag is "C", otherwise cannot be entered.	
	C		Victim Sex Code	A	1	1	0	1	Mandatory if VSI Flag Code is "C" and Publication Ban is not specified. Otherwise cannot be entered.	
	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	Charge 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) 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).	
	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	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

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		
DOE	C	2.885	Date of Entry	N	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) 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 FBI Search Request (tag 2.874) or International Search Request (tag 2.891) equals "Y" then this tag becomes mandatory.	Any RCMP special character plus Carriage Return & Linefeed
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

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		Given Name 2	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	O		Given Name 3	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	O		Given Name 4	AS	1	15	0	1		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	N	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	N	8	8	1	1	The Date Fingerprinted must be greater than or equal to the Offence Date of each charge in tag 2.829.	
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	N	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

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		
	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 @!#\$%&*+/-=?^_`{ }~.
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
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 SUBMISSION (CAR N)

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	O	2.067	Image Capture Equipment				0	1		
	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 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	It will be returned in the SRE in the tag Contributor Supplied Information (tag 2.8920).	Any RCMP special character

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		
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
	O		Given Name 3	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	O		Given Name 4	AS	1	15	0	1		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.	
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	O	2.815	Place of Birth	A	1	1	0	1		
CTR	O	2.817	Response to Agency Identifier	AN	6	9	0	1	WI 19145 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		

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		
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
	O		Given Name 2	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	O		Given Name 3	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	O		Given Name 4	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
NMG	O	2.827	Narrative Message	ANS	1	1000	0	1		Any RCMP special character plus Carriage Return & Linefeed
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).	
	M		State Code	N	2	2	1	1		
	O		State File Number	ANS	1	32	0	1		Any RCMP special character

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		
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 Request	A	1	1	0	1	Setting this tag to "Y" will make International Countries to Search (tag 2.892) mandatory. 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).	
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) or International Search Request (tag 2.891) then this tag becomes mandatory.	Any RCMP special character plus Carriage Return & Linefeed
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.	

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		
LTC	O	2.8018	Latent Type Code	N	1	1	0	1	If the CAR N is used to perform a reverse search of an RCMP latent repository then this tag indicates 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	N	8	8	1	1	Enter all zeroes (00000000) if date of birth is unknown or uncertain.	
DPR	M	2.8038	Date Fingerprinted	N	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	N	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 @!#\$%&!*+/-=?^`{ }~.

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		
RSTS	O	2.8295	Latent Search Target Set Code	N	1	1	0	6	<p>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 (ULF, Special Repositories).</p> <p>Valid values:</p> <ul style="list-style-type: none"> 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
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 SUBMISSION (REF) – NO LONGER IN USE WI 44444

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		
IDC	M	2.002	Image Designation Character	N	1	5	1	1		
IMA	O	2.067	Image Capture Equipment				0	1		
	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 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
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,

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		
										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
	O		Given Name 3	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	O		Given Name 4	AS	1	15	0	1		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 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	WI 19145 Reserved for future use	
LGF	M	2.819	Language Flag	A	1	1	1	1		
CPX	○	2.822	Complexion	N	4	4	○	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		

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		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
	O		Given Name 2	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	O		Given Name 3	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	O		Given Name 4	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
NMG	O	2.827	Narrative Message	ANS	1	1000	0	1		Any RCMP special character plus Carriage Return & Linefeed
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 (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).	
	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	N	8	8	1	1		

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		
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) 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) or International Search Request (tag 2.891) then this tag becomes mandatory.	Any RCMP special character
RET	M	2.8005	Retention Code	A	1	1	1	1		
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	N	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	N	8	8	1	1	If this transaction is rejected because of poor fingerprint quality and the individual is fingerprinted again, then this date should	

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		
									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	N	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 @!#\$%&*+/-=?^_`{ }~.
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
	O		Given Name 1	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	O		Given Name 2	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	O		Given Name 3	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period

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 4	AS	1	15	0	1		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
	O		Given Name 2	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	O		Given Name 3	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	O		Given Name 4	AS	1	15	0	1		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 SUBMISSION (MAP)

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		
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	C	2.067	Image Capture Equipment				0	1	This tag becomes mandatory if the images on the submission are ID Flats (Value in tag 14.200 is 2).	
	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).	
	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 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

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		
	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
	O		Given Name 3	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	O		Given Name 4	AS	1	15	0	1		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.	
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	O	2.817	Response to Agency Identifier	AN	6	9	0	1	WI 19145 When 2.8900 SRS equals 2 (Respond to Agency) this tag becomes mandatory and must contain the Agency	

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		
									Identifier (ORI) for another agency that is accredited for MAP submissions 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		Space, Hyphen, Apostrophe, Period
	O		Given Name 3	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	O		Given Name 4	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
NMG	O	2.827	Narrative Message	ANS	1	1000	0	1		Any RCMP special character plus Carriage Return & Linefeed
LOR	C	2.833	Language of Result	N	1	1	0	1	This tag is conditional on the Application Type (tag 2.869) i.e. it is only applicable to certain civil application types. See Table 2.869 - MAP Application Types 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.	
CCI	C	2.848	Credit Card Information				0	1	This tag becomes mandatory if the Payment Type (tag 2.838) has a value of 5.	
	M		Credit Card Type	N	1	1	1	1		
	M		Credit Card Number	N	13	25	1	1		
	M		Credit Card Expiry Date	N	4	4	1	1		
	M		Name on Credit Card	AS	1	50	1	1		Any RCMP special character

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		
	M		Payment Amount	NS	1	6	1	1		Period
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 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
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

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		
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 selected is "99".	Any RCMP special 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	N	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	N	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.	

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		
	O		Missing Fingerprint Date	N	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		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).	
	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 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		

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		
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 Vulnerable Sector Indicator	N	1	1	0	1	This tag is only available to Police Agencies.	
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: LATENT FINGERPRINT FEATURE SEARCH (LFFS)

LFFS 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		
SEX	O	2.807	Sex	A	1	1	0	1		
ODT	C	2.858	Offence Date	N	8	8	0	1	To be saved on the ULF with the latent image. Mandatory if Add to Unsolved Latent Indicator is positive.	
LCT	M	2.861	Latent Submission Crime Type	AN	4	4	1	1		
SFBI	O	2.874	FBI Search Request	A	1	1	0	1	WI 44444	
FGP	O	2.8013	Finger/Palm Position Code	N	2	2	0	10	Digit(s) or Palm Position Code filter. Valid values are found in table A1 (00 to 30).	
LFN	M	2.8017	Latent File Number	ANS	4	32	1	1		Any RCMP special character
LTC	M	2.8018	Latent Type Code	N	1	1	1	1	Indicates whether the latent is a finger or a palm: 1 – Finger 2 – Palm When 2.8311 RFS - Repository File to Search is equal to 0 (latent-to-latent search) tag 2.8018 LTC - Latent Type Code must be 1 (Finger).	
ISF	M	2.8024	Ident Section File Number	ANS	1	24	1	1		Any RCMP special character
EXD	O	2.8142	Expiry Date	N	8	8	0	1		
LID	M	2.8144	Latent Identifier	ANS	5	36	1	1		Any RCMP special character
NOM	M	2.8208	Number of Minutiae	N	1	4	1	1		
FPC	O	2.8288	Fingerprint Classification Filters	A	1	4	0	10		
ARI	C	2.8289	Authority to Release Indicator	N	1	1	0	1	This tag becomes mandatory if Add to Unsolved Latent Indicator (tag 2.8332) is positive.	

LFFS 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		
RSTS	C	2.8295	Latent Search Target Set Code	N	1	1	0	6	Indicates repositories to search against (ULF, Special Repositories). Mandatory if Repository File To Search (tag 2.8311) is 0 (unsolved latent). Valid values: 1 - ULF 2 - Repository 2 3 - Repository 3 4 - Repository 4 5 - Repository 5 6 - Repository 6	
COI	M	2.8296	Certified Operator Indicator	N	1	1	1	1	Indicates that the remote operator is certified.	
REZ	M	2.8298	Resize Factor	NS	1	4	1	1	Represents the resize factor applied to the image from its original state. Default is 0.	Period
RTSF	C	2.8302	Record Type Search Filter	N	1	1	0	6	Indicates the ten print File Types that are to be searched for this transaction. 1 - Criminal 2 - Refugee 3 - Employee 4 - Repository 4 5 - Repository 5 6 - Repository 6 Mandatory if Repository File To Search (tag 2.8311) is 1.	
RFS	M	2.8311	Repository File to Search	N	1	1	1	1	1 means tenprint search, 0 means unsolved latent search.	
CLL	M	2.8313	Candidate List Limit	N	1	3	1	1		
CIL	M	2.8315	Candidate Image List Limit	N	1	2	1	1		
ROT	M	2.8330	Rotation	N	1	3	1	1	Represents the rotation angle applied to the image from its original state. Default is 0.	

LFFS 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		
AULF	M	2.8332	Add to Unsolved Latent File	N	1	1	1	1	If this tag is set to positive and the Latent Image ID already exists in the RCMP's ULF, the transaction will be rejected.	
LTVN	M	2.8333	Latent Verification Node/Agency ID	AN	1	32	1	1		
LCI	M	2.8336	Latent Image Identifier	ANS	14	39	1	1		Any RCMP Special Character
OID	M	2.8337	Operator Identifier	AN	6	9	1	1		
TTI	O	2.8354	Transcoder Transaction Identifier	ANS	1	16	0	1	When an LFFS is received by a Remote Latent Device this tag is optional. When an LFFS is received by the NNS, this tag is mandatory.	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		

5.7 TYPE-2 LOGICAL RECORD: LATENT FINGERPRINT IMAGE(S) SUBMISSION (LFS) – NO LONGER IN USE WI 44444

LFS 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		
SEX	C	2.807	Sex	A	1	1	0	1	This tag becomes available when FBI Search Request (tag 2.874) has a value of Y.	
HAI	C	2.808	Hair Colour	N	2	2	0	1	This tag becomes available when FBI Search Request (tag 2.874) has a value of Y.	
EYE	C	2.809	Eye Colour	A	1	1	0	2	This tag becomes available when FBI Search Request (tag 2.874) has a value of Y.	
RACE	C	2.814	Race Descent	A	1	1	0	1	This tag becomes available when FBI Search Request (tag 2.874) has a value of Y.	
LGF	M	2.819	Language Flag	A	1	1	1	1		
ODT	M	2.858	Offence Date	N	8	8	1	1		
REM	M	2.860	Description of Crime Scene / Remarks	ANS	1	2000	1	1		Any RCMP special character, Carriage Return, Line Feed
LCT	M	2.861	Latent Submission Crime Type	AN	4	4	1	1		
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: 2.894 (Foreign Search Reason) and 2.8029 (Pattern Level Classification).	
USS	O	2.876	US States to Search				0	52	When an US State Search is requested the following tags become mandatory: Foreign Search Reason (tag 2.894) and Pattern Level Classification (tag 2.8029).	
	M		State Code	N	2	2	1	1		
	O		State File Number	ANS	1	32	0	1		Any RCMP Special Character

LFS 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		
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). Setting this tag to "Y" will enable and make mandatory International Countries to Search (tag 2.892).	
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
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) has been selected.	Any RCMP special character
CIN	M	2.8010	Contributor Case Identifier Numbers				1	1		
	O		Occurrence Number	ANS	1	24	0	1		Any RCMP special character
	M		Ident Section File Number	ANS	1	24	1	1		Any RCMP special character
AOF	M	2.8020	Address of Offence				1	1		
	M		Apt./Unit # - Street#/Name	ANS	1	35	1	1	A value of "UNKNOWN" is valid	Any RCMP special character
	M		City	ANS	1	35	1	1	A value of "UNKNOWN" 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 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
AGR	O	2.8025	Age Range	N	4	4	0	1	This tag becomes available when FBI Search Request (tag 2.874) has a value of Y.	
HTR	O	2.8027	Height Range	N	6	6	0	1	This tag becomes available when FBI Search Request (tag 2.874) has a value of Y.	
WTR	O	2.8028	Weight Range	N	6	6	0	1	This tag becomes available when FBI Search Request (tag 2.874) has a value of Y.	

LFS 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		
PAT	C	2.8029	Pattern Level Classification				0	10	This tag becomes mandatory when FBI Search Request (tag 2.874) has a value of "Y".	
	M		Finger Number	N	2	2	1	1		
	M		Pattern Code	A	2	2	1	1		
CST	M	2.8061	Case Title	ANS	1	50	1	1		Any RCMP special character
ARI	M	2.8289	Authority to Release Indicator	N	1	1	1	1		
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
ELIM	M	2.8937	Eliminations Completed Indicator	N	1	1	1	1		

5.8 TYPE-2 LOGICAL RECORD: UNSOLVED LATENT DELETE (ULD)

ULD 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		
IDC	M	2.002	Image Designation Character	N	1	5	1	1		
LFN	M	2.8017	Latent File Number	ANS	4	32	1	1		Any RCMP special character
LTC	M	2.8018	Latent Type Code	N	1	1	1	1	Indicates whether the latent to be deleted is a finger latent or a palm latent. 1 - Finger 2 - Palm	
LID	O	2.8144	Latent Identifier	ANS	5	36	0	1		Any RCMP special character
LCI	O	2.8336	Latent Image Identifier	ANS	14	39	0	1		Any RCMP special character
OID	M	2.8337	Operator Identifier	AN	6	9	1	1		
NVN	M	2.8910	External ICD Version Number	N	3	3	1	1		

5.9 TYPE-2 LOGICAL RECORD: UNSOLVED LATENT DELETE RESPONSE (ULDR)

ULDR 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		
NMG	O	2.827	Narrative Message	ANS	1	1000	0	1		Any RCMP special character plus Carriage Return & Linefeed
LFN	M	2.8017	Latent File Number	ANS	4	32	1	1		Any RCMP special character
LTC	M	2.8018	Latent Type Code	N	1	1	1	1	Echo of request: 1 - Finger 2 - Palm	
DLST	C	2.8026	Deleted Latent List				0	100	This tag becomes mandatory if Success Indicator (tag 2.8046) is positive.	
	M		Latent Identifier	ANS	5	36	1	1		Any RCMP special character
	M		Latent Image Identifier	ANS	14	39	1	1		Any RCMP special character
SID	M	2.8046	Success Indicator	N	1	1	1	1	If the value of this tag is "0" (No), the image was not found on the RCMP's central repository and the delete was not carried out	
LID	O	2.8144	Latent Identifier	ANS	5	36	0	1	Echo of request	Any RCMP special character
LCI	O	2.8336	Latent Image Identifier	ANS	14	39	0	1	Echo of request	Any RCMP special character
OID	M	2.8337	Operator Identifier	AN	6	9	1	1		
NVN	M	2.8910	External ICD Version Number	N	3	3	1	1		

5.10 TYPE-2 LOGICAL RECORD: UNSOLVED LATENT RETRIEVAL (ULR)

ULR 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		
IDC	M	2.002	Image Designation Character	N	1	5	1	1		
LTC	M	2.8018	Latent Type Code	N	1	1	1	1	Indicates whether the latent is a finger latent or a palm latent: 1 - Finger 2 - Palm	
LCI	M	2.8336	Latent Image Identifier	ANS	14	39	1	1		Any RCMP Special Character
OID	M	2.8337	Operator Identifier	AN	6	9	1	1		
NVN	M	2.8910	External ICD Version Number	N	3	3	1	1		

5.11 TYPE-2 LOGICAL RECORD: UNSOLVED LATENT RETRIEVAL RESPONSE (ULRR)

ULRR 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		
NMG	C	2.827	Narrative Message	ANS	1	1000	0	1	This tag is mandatory if the Success Indicator (tag 2.8046) is set to "0".	Any RCMP special character plus Carriage Return & Linefeed
ODT	O	2.858	Offence Date	N	8	8	0	1	As recorded on the Unsolved Latent File.	
LCT	O	2.861	Latent Submission Crime Type	AN	4	4	0	1	As recorded on the Unsolved Latent File for the required search	
CDT	O	2.8007	Creation Date	N	8	8	0	1	As recorded on the Unsolved Latent File for the required search	
LFN	O	2.8017	Latent File Number	ANS	4	32	0	1	As recorded on the Unsolved Latent File for the required search	Any RCMP special character
LTC	M	2.8018	Latent Type Code	N	1	1	1	1	Echo of request: 1 - Finger 2 - Palm	
AAI	O	2.8021	Added by Agency Identifier	AN	7	7	0	1	As recorded on the Unsolved Latent File for the required search	
ISF	O	2.8024	Ident Section File Number	ANS	1	24	0	1	As recorded on the Unsolved Latent File for the required search	Any RCMP special character
SID	M	2.8046	Success Indicator	N	1	1	1	1	If the value of this tag is "0" (No), the image was not found for retrieval from the RCMP's central repository.	
EXD	O	2.8142	Expiry Date	N	8	8	0	1		
LID	O	2.8144	Latent Identifier	ANS	5	36	0	1		Any RCMP special character
FPC	O	2.8288	Fingerprint Classifications	A	1	4	0	10		
ARI	O	2.8289	Authority to Release Indicator	N	1	1	0	1	Indicates that the latent information can be released to a ten print contributor upon reverse search hit.	
LCI	O	2.8336	Latent Image Identifier	ANS	14	39	0	1		Any RCMP special character

ULRR 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		
OID	O	2.8337	Operator Identifier	AN	6	9	0	1		
NVN	M	2.8910	External ICD Version Number	N	3	3	1	1		

5.12 TYPE-2 LOGICAL RECORD: UNSOLVED LATENT ENROLMENT (ULE)

ULE 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		
ODT	M	2.858	Offence Date	N	8	8	1	1	To be saved on the ULF with the latent image.	
LCT	M	2.861	Latent Submission Crime Type	AN	4	4	1	1	To be saved on the ULF	
RER	O	2.8008	Remote Encoding Results				0	1		
	M		Encoding Operator Identifier	AN	6	9	1	1		
	M		Start Date / Time of Encoding	N	14	14	1	1		
	M		End Date / Time of Encoding	N	14	14	1	1		
FGP	O	2.8013	Finger / Palm Position Code	N	2	2	0	10	Digit(s) or Palm Position to save in the ULF with the latent. Valid values are found in Table A1 (00 to 30)	
LFN	M	2.8017	Latent File Number	ANS	4	32	1	1	To be saved on the ULF	Any RCMP special character
LTC	M	2.8018	Latent Type Code	N	1	1	1	1	Indicates whether the search image is a finger latent or a palm latent: 1 - Finger 2 - Palm	
ISF	M	2.8024	Ident Section File Number	ANS	1	24	1	1	To be saved on the ULF	Any RCMP special character
EXD	O	2.8142	Expiry Date	N	8	8	0	1	To be saved on the ULF	
LID	M	2.8144	Latent Identifier	ANS	5	36	1	1	To be saved on the ULF	Any RCMP special character
FPC	O	2.8288	Fingerprint Classifications	A	1	4	0	2	Fingerprint Classifications to save on Unsolved Latent File	

ULE 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		
ARI	M	2.8289	Authority to Release Indicator	N	1	1	1	1	Indicates that the latent information can be released to a ten print contributor upon reverse search hit. To be saved on the ULF	
COI	M	2.8296	Certified Operator Identifier	N	1	1	1	1		
LCI	M	2.8336	Latent Image Identifier	ANS	14	39	1	1	This field is the Latent Identifier plus a sequential two digit suffix appended by the AFIS or Remote Latent Device that increments with each image duplication. Latent Image Identifier = <Latent Identifier><Dash><2 digit sequential number> To be saved on the ULF	Any RCMP special character
OID	M	2.8337	Operator Identifier	AN	6	9	1	1	To be saved on the ULF	
LRTC	M	2.8351	Latent Repository Code	N	1	1	1	1	Indicates repositories to enrol under	
TTI	M	2.8354	Transcoder Transaction Identifier	ANS	1	16	1	1		Any RCMP Special Character
NVN	M	2.8910	External ICD Version Number	N	3	3	1	1		

5.13 TYPE-2 LOGICAL RECORD: UNSOLVED LATENT ENROLMENT RESPONSE (ULER)

ULER 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		
NMG	O	2.827	Narrative Message	ANS	1	1000	0	1	Clarifies the reason for failure	Any RCMP special character plus Carriage Return & Linefeed
LTC	M	2.8018	Latent Type Code	N	1	1	1	1	Indicates whether the search image is a finger latent or a palm latent: 1 - Finger 2 - Palm	
SID	M	2.8046	Success Indicator	N	1	1	1	1	If the value in this tag is "0" then the Latent Image ID already exists on the Latent Repository and the enrolment was not carried out. 0 - Failure to enrol 1 - Successful	
LID	M	2.8144	Latent Identifier	ANS	5	36	1	1	Echo of request	Any RCMP Special Character
LCI	O	2.8336	Latent Image Identifier	ANS	14	39	0	1	Echo of request	Any RCMP Special Character
OID	M	2.8337	Operator Identifier	AN	6	9	1	1	Echo of request	
TTI	M	2.8354	Transcoder Transaction Identifier	ANS	1	16	1	1		Any RCMP Special Character
NVN	M	2.8910	External ICD Version Number	N	3	3	1	1	Echo of request	

5.14 TYPE-2 LOGICAL RECORD: SEARCH RESULTS (SRE)

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		
FPS	O	2.801	Fingerprint Section Number	AN	1	7	0	1		
NAME	O	2.806	Primary Name				0	2	If more than one occurrence of Primary Name is included the first Name will relate to the Fingerprint Section Number and the second occurrence will relate to the Refugee File Number.	
	O		Surname	AS	1	24	0	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		Space, Hyphen, Apostrophe, Period
	O		Given Name 3	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	O		Given Name 4	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
SEX	O	2.807	Sex	A	1	1	0	2	If more than one occurrence of Sex is included the first Sex will relate to the Fingerprint Section Number and the second occurrence will relate to the Refugee File Number.	
CTR	O	2.817	Response to Agency Identifier	AN	6	9	0	1	WI 19145 Shall echo back the tag value supplied within the tenprint submission sent to the RCMP	
NMG	O	2.827	Narrative Message	ANS	1	1000	0	1		Any RCMP special character plus Carriage Return & Linefeed
ATS	O	2.850	Application Type Specify	ANS	1	50	0	1		Any RCMP special character

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		
APT	O	2.869	Application Type				0	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 (table 2.869).	
RRES	M	2.875	RCMP-NPS Results	A	1	1	1	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
FBI	O	2.8014	FBI File Number	AN	1	9	0	1		
DOB	O	2.8022	Date of Birth	N	8	8	0	2	If more than one occurrence of Date of Birth is included the first Date of Birth will relate to the Fingerprint Section Number and the second occurrence will relate to the Refugee File Number.	
ESD	O	2.8044	Effective Search Date	N	8	8	0	1		
SRF	O	2.8059	Criminal Search Result Findings	A	1	1	0	1		
ACN	O	2.8071	Action to be Taken	ANS	1	300	0	1		Any RCMP special character plus Carriage Return & Linefeed
NVN	M	2.8910	External ICD Version Number	N	3	3	1	1		
ISRF	O	2.8912	Refugee Search Result Findings	A	1	1	0	1		
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 & Linefeed
CSI	O	2.8920	Contributor Supplied Information				0	1		
	O		Individual Reference Number/FOSS#	ANS	1	32	0	1		Any RCMP special character

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		
	O		Contributor File Number/ CBSA/CIC Number	ANS	1	32	0	1		Any RCMP special character

5.15 TYPE-2 LOGICAL RECORD: LATENT FINGERPRINT SEARCH RESULTS (SRL)

SRL 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		
RRES	O	2.875	RCMP-NPS Results	A	1	1	0	1		
NIMG	M	2.8001	Number of Images	N	1	2	1	1		
ICON	O	2.8002	Image Content				0	25		
	M		Candidate List File Number/ Latent Image Identifier	ANS	12	39	1	1		Any RCMP special character
	M		Image Designation Character	N	1	5	1	1	This IDC points to the attached Type-4 or Type-13 or Type-15 image	
	M		Finger Number/Palm Position	N	2	2	1	1		
	M		Rank	N	1	3	1	1		
LTC	M	2.8018	Latent Type Code	N	1	1	1	1	Indicates whether the search image is a finger latent or a palm latent. 1 - Finger 2 - Palm	
FINS	O	2.8291	Fingerprints Searched	N	1	10	0	1	Represents the number of fingerprints searched against after filtering.	
RSL	O	2.8292	Respondent Size Limit	N	1	3	0	1	Specifies the respondent list limit if one was applied to the search.	
AULF	M	2.8332	Add to Unsolved Latent File	N	1	1	1	1	Indicates that the AFIS did retain the transaction in the ULF.	
NCR	M	2.8334	Number of Candidates	N	1	3	1	1		
CAN	O	2.8335	Candidate List				0	100		
	M		Candidate List File Number / Latent Image Identifier	ANS	12	39	1	1		Any RCMP special character
	M		Candidate Finger Number/Palm Position	N	2	2	1	1		

SRL 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		Match Score	N	1	10	1	1		
	M		Rank	N	1	3	1	1		
	C		Document Control Number	N	20	20	0	1	Mandatory on a latent to ten print searches.	
	C		Respondent FPCs	A	1	4	0	1	Specifies the Fingerprint Classifications of the respondent. Includes both the primary and, if one exists, the secondary class. Mandatory on search to TP. Valid values: W - Whorl A - Arch L - Left Loop R - Right Loop U - Unknown	
	O		Gender	A	1	1	0	1	Specifies the Gender of the respondent. Only applicable on a search to TP.	
	O		Originating Agency Identifier	AN	7	7	0	1	Specifies the owning agency of the print.	
	C		Creation Date	N	8	8	0	1	Specifies the date the latent was added to the ULF. Mandatory on a search to latent.	
	O		Offence Date	N	8	8	0	1		
	O		Latent Submission Crime Type Code	AN	4	4	0	1	Specifies the crime pertaining to the unsolved latent. Populated on a search to latent if the Crime Type is available on the Latent File.	
	O		Ident Section File Number	ANS	1	24	0	1	Indicates the section file number of the respondent. Populated if available on the ULF on a latent to latent search.	
	C		Search Palm Area Center x	N	1	5	0	1	Mandatory for palm latent search. Expressed in pixels.	
	C		Search Palm Area Center y	N	1	5	0	1	Mandatory for palm latent search. Expressed in pixels.	
	C		Search Palm Area Rotation	NS	1	4	0	1	Mandatory for palm latent search. Up right is 0. Clockwise rotation is positive number, counter-clockwise rotation is negative number. Valid range is [-360, 360].	Hyphen
	C		Search Palm Area Width	N	1	5	0	1	Mandatory for palm latent search. Expressed in pixels.	
	C		Search Palm Area Height	N	1	5	0	1	Mandatory for palm latent search. Expressed in pixels.	

SRL 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		Candidate Palm Area Center x	N	1	5	0	1	Mandatory for palm print or palm latent candidate. Expressed in pixels.	
	C		Candidate Palm Area Center y	N	1	5	0	1	Mandatory for palm print or palm latent candidate. Expressed in pixels.	
	C		Candidate Palm Area Rotation	NS	1	4	0	1	Mandatory for palm print or palm latent candidate. Up right is 0. Clockwise rotation is positive number, counter-clockwise rotation is negative number. Valid range is [-360, 360].	Hyphen
	C		Candidate Palm Area Width	N	1	5	0	1	Mandatory for palm print or palm latent candidate. Expressed in pixels.	
	C		Candidate Palm Area Height	N	1	5	0	1	Mandatory for palm print or palm latent candidate. Expressed in pixels.	
LCI	M	2.8336	Latent Image Identifier	ANS	14	39	1	1		Any RCMP Special Character
OID	M	2.8337	Operator Identifier	AN	6	9	1	1		
TTI	O	2.8354	Transcoder Transaction Identifier	ANS	1	16	0	1		Any RCMP Special Character
NVN	M	2.8910	External ICD Version Number	N	3	3	1	1		

5.16 TYPE-2 LOGICAL RECORD: LATENT SUBMISSION RESULTS (LSR)

** An email response is sent to the contributor not a NIST packet TOT LSR.

LSR 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		
NMG	O	2.827	Narrative Message	ANS	1	1000	0	1		Any RCMP special character plus Carriage Return & Linefeed
RRES	O	2.875	RCMP-NPS Results	A	1	1	0	1		
CST	M	2.8061	Case Title	ANS	1	50	1	1		Any RCMP special character
ACN	O	2.8071	Action to be Taken	ANS	0	300	0	1		Any RCMP special character, Carriage Return, Line Feed
NVN	M	2.8910	External ICD Version Number	N	3	3	1	1		

5.17 TYPE-2 LOGICAL RECORD: LATENT FEATURES SEARCH RESPONSE DISPOSITION (LFSRD)

LFSRD 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		
ODT	C	2.858	Offence Date	N	8	8	0	1	To be saved on the ULF with the latent image. Mandatory if Add to Unsolved Latent Indicator (tag 2.8332) is positive.	
LCT	M	2.861	Latent Submission Crime Type	AN	4	4	1	1		
RER	O	2.8008	Remote Encoding Results				0	1		
	M		Encoding Operator Identifier	AN	6	9	1	1		
	M		Start Date/Time of Encoding	N	14	14	1	1		
	M		End Date/Time of Encoding	N	14	14	1	1		
RVR	M	2.8009	Remote Verification Results				1	1		
	M		Verification by Operator Identifier	AN	6	9	1	1		
	M		Start Date/Time of Verification	N	14	14	1	1		
	M		End Date/Time of Verification	N	14	14	1	1		
FGP	O	2.8013	Finger/Palm Position Code	N	2	2	0	10	Digit(s) or Palm Position to save in the ULF with the latent. Valid values are found in Table A1 (00 to 30).	
LTC	M	2.8018	Latent Type Code	N	1	1	1	1	Indicates whether the search image is a finger latent or a palm latent. 1 - Finger 2 - Palm	
LID	M	2.8144	Latent Identifier	ANS	5	36	1	1		Any RCMP Special Character
VRLD	M	2.8206	Respondents List Verification				1	25		

LFSRD 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		Candidate List File Number/ Latent Image ID	ANS	12	39	1	1		
	M		Manual Verification Disposition Code	N	1	1	1	1	Represents the outcome of manual verification of the respondent. 0 - No hit 1 - Hit 2 - Not viewed Must be set to the value of '2 Not viewed' if the verifier has not taken any action on the candidate.	
	M		Finger Number/Palm Position	N	2	2	1	1		
	M		Match Score	N	1	10	1	1		
	M		Rank	N	1	3	1	1	The order in which the respondent appears in the candidate list.	
FPC	O	2.8288	Fingerprint Classification Filters	A	1	4	0	10	FPCs to save on ULF	
ARI	C	2.8289	Authority to Release Indicator	N	1	1	0	1	Mandatory if Add to Unsolved Latent Indicator (tag 2.8332) is positive.	
LCRTD	O	2.8293	Latent Certification Disposition				0	75	Returns the certification results of each certifier, up to 3 certifications for the same hit.	
	M		Certification Operator Identifier	AN	6	9	1	1	User identifier of the operator performing the certification.	
	M		Certification Disposition Type Code	N	1	1	1	1	Represents the selection made by the certification technician. Applicable values include: 1 - Certify 2 - Not Identical 3 - Unsuitable for Certification	
	M		Candidate List File Number / Latent Image ID	ANS	12	39	1	1		
	O		Manual Verification Disposition Code	N	1	1	0	1	Represents the outcome of manual verification of the respondent by the certifier. 0 - No hit 1 - Hit 2 - Not viewed	

LFSRD 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		Finger(s) Used to Certify	N	2	20	0	1	Represents the finger numbers used for certification. Use the Finger Position and Palm Position codes from Appendix A Table A1 of the NPS NIST ICD. Each finger must be a two digit code. There are no separators used between finger numbers. Mandatory for certification to ten print (tag 2.8311 = 1 TP).	
	M		Start Date/Time of Certification	N	14	14	1	1		
	M		End Date/Time of Certification	N	14	14	1	1		
	M		Rank	N	1	3	1	1	The order in which the respondent appears in the candidate list.	
COI	M	2.8296	Certified Operator Indicator	N	1	1	1	1	Indicates that the remote operator is certified.	
RFS	M	2.8311	Repository File to Search	N	1	1	1	1	Indicates whether the search was against the tenprint file or unsolved latent file. 0 - Unsolved Latent 1 - Tenprint	
AULF	M	2.8332	Add to Unsolved Latent File	N	1	1	1	1		
LCI	M	2.8336	Latent Image Identifier	ANS	14	39	1	1	This field is the Latent Identifier plus a sequential two digit suffix appended by the AFIS or Remote Latent Device that increments with each image duplication. Latent Image Identifier = <Latent Identifier><Dash><2 digit sequential number>	Any RCMP Special Character
OID	M	2.8337	Operator Identifier	AN	6	9	1	1		
TTI	M	2.8354	Transcoder Transaction Identifier	ANS	1	16	1	1		Any RCMP Special Character
NVN	M	2.8910	External ICD Version Number	N	3	3	1	1		

5.18 TYPE-2 LOGICAL RECORD: REMOTE LATENT CLOSURE (LCLO)

LCLO 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	This field contains the length of the logical record specifying the total number of bytes, including every byte of all the fields contained in the record	
IDC	M	2.002	Image Designation Character	N	1	5	1	1		
LFN	M	2.8017	Latent File Number	ANS	4	32	1	1		Any RCMP Special Character
LTC	M	2.8018	Latent Type Code	N	1	1	1	1	Indicates whether the search image is a finger latent or a palm latent. 1 - Finger 2 - Palm	
LID	M	2.8144	Latent Identifier	ANS	5	36	1	1		Any RCMP Special Character
COI	M	2.8296	Certified Operator Indicator	N	1	1	1	1	Indicates that the remote operator is certified.	
LCI	M	2.8336	Latent Image Identifier	ANS	14	39	1	1	This field is the Latent Identifier plus a sequential two digit suffix appended by the AFIS / Latent Device that increments with each image duplication. Latent Image Identifier = <Latent Identifier><Dash><2 digit sequential number>	Any RCMP Special Character
OID	M	2.8337	Operator Identifier	AN	6	9	1	1		
TTI	M	2.8354	Transcoder Transaction Identifier	ANS	1	16	1	1		Any RCMP Special Character
NVN	M	2.8910	External ICD Version Number	N	3	3	1	1		

5.19 TYPE-2 LOGICAL RECORD: IMAGE REQUEST (IRQ)

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		
FPS	C	2.801	Fingerprint Section Number	AN	1	7	0	1	This tag is mandatory if no Refugee File Number is provided in tag 2.886.	
NAME	O	2.806	Primary Name				0	1		
	M		Surname	AS	1	24	1	1		Space, Hyphen, Apostrophe, Period
	○		Given Name 1	AS	1	15	○	1		Space, Hyphen, Apostrophe, Period
	O		Given Name 2	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	O		Given Name 3	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	O		Given Name 4	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
SEX	O	2.807	Sex	A	1	1	0	1		
LGF	M	2.819	Language Flag	A	1	1	1	1		
NMG	O	2.827	Narrative Message	ANS	1	1000	0	1		Any RCMP special character plus Carriage Return & Linefeed
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 is returned where releasable. Where the composite is not releasable the best set is returned.	
RLP	O	2.852	Request List of Prints on File	A	1	1	0	1		

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		
RID	C	2.886	Refugee File Number	N	12	12	0	1	This tag is mandatory if no Fingerprint Section Number is provided in tag 2.801.	
DOB	O	2.8022	Date of Birth	N	8	8	0	1		
CRF	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	This tag is based on the Contributor (tag 1.008) - mandatory for transactions from Remote Sites Only.	
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

5.20 TYPE-2 LOGICAL RECORD: IMAGE REQUEST RESPONSE (IRR)

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		
LEN	M	2.001	Logical Record Length	N	2	7	1	1		
IDC	M	2.002	Image Designation Character	N	1	5	1	1		
FPS	O	2.801	Fingerprint Section Number	AN	1	7	0	1		
NAME	O	2.806	Primary Name				0	1		
	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		Space, Hyphen, Apostrophe, Period
	O		Given Name 3	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
	O		Given Name 4	AS	1	15	0	1		Space, Hyphen, Apostrophe, Period
SEX	O	2.807	Sex	A	1	1	0	1		
NMG	O	2.827	Narrative Message	ANS	1	1000	0	1		Any RCMP special character plus Carriage Return & Linefeed
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		
	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		

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		
	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		
RID	O	2.886	Refugee File Number	N	12	12	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		
	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		
DOB	O	2.8022	Date of Birth	N	8	8	0	1		
DPR	O	2.8038	Date Fingerprinted	N	8	8	0	1		
SID	M	2.8046	Success Indicator	N	1	1	1	1	If the value of this tag is "0" (No), it means either: - the prints requested were not found - not all of the prints requested were found, however, the system still returns as many images of the types requested as possible.	
ACN	O	2.8071	Action to be Taken	ANS	1	300	0	1		Any RCMP special character plus Carriage Return & Linefeed
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	N	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		

5.21 TYPE-2 LOGICAL RECORD: TENPRINT SUBMISSION ERROR (ERRT)

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 & Linefeed
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		

5.22 TYPE-2 LOGICAL RECORD: LATENT SUBMISSION ERROR (ERRL)

ERRL 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		
NMG	O	2.827	Narrative Message	ANS	1	1000	0	1		Any RCMP special character plus Carriage Return & Linefeed
RRES	O	2.875	RCMP-NPS Results	A	1	1	0	1		
LTC	O	2.8018	Latent Type Code	N	1	1	0	1	Echo of request: 1 - Finger 2 - Palm	
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
LCI	O	2.8336	Latent Image Identifier	ANS	14	39	0	1		Any RCMP Special Character
NVN	M	2.8910	External ICD Version Number	N	3	3	1	1		

5.23 TYPE-2 LOGICAL RECORD: IMAGE REQUEST ERROR (ERRI)

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		

5.24 TYPE-2 LOGICAL RECORD: ACKNOWLEDGMENT TENPRINT (ACKT)

ACKT 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		
NVN	M	2.8910	External ICD Version Number	N	3	3	1	1		

5.25 TYPE-2 LOGICAL RECORD: ACKNOWLEDGMENT LATENT SUBMISSION (ACKL)

ACKL 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		
IDC	M	2.002	Image Designation Character	N	1	5	1	1		
NVN	M	2.8910	External ICD Version Number	N	3	3	1	1		

5.26 TYPE-4 LOGICAL RECORD: FINGERPRINT IMAGE DATA

Type-4 Logical Record				
Identifier	Condition	Tag Name	Value	Notes
LEN	M	Logical Record Length	<i>n</i>	<i>n</i> is four bytes defining the length of this Type-4 record.
IDC	M	Image Designation Character	<i>m</i>	<i>m</i> is one byte to identify the IDC for this Character image.
IMP	M	Impression Type	<i>i</i>	<i>i</i> is one binary byte value that contains the impression type. Valid values are found in table A3. The following codes will be accepted (0 to 3).
FGP	M	Finger Number	<i>f</i>	<i>f</i> is a 6 byte value that contains the finger number. Valid codes are found in table A1. The following codes will be accepted (01 to 14).
ISR	M	Image Scanning Resolution	0	The image scanning resolution will contain a "0" if the minimum scanning resolution is used or a "1" if the native scanning resolution is used.
HLL	M	Horizontal Line Length	<i>h</i>	<i>h</i> is a 2 byte tag used to specify the number of pixels on the horizontal line length.
VLL	M	Vertical Line Length	<i>v</i>	<i>v</i> is a 2 byte tag used to specify the number of horizontal lines contained in the transmitted image.
GCA	M	Grayscale Compression Algorithm	<i>c</i>	<i>c</i> is 1 byte used to specify the type of grayscale compression algorithm used (if any). A binary "0" denotes no compression. Otherwise, the contents of this byte shall be a binary representation for the number allocated to the particular compression technique used by the interchange parties. The contributor shall consult with the RCMP to determine which compression algorithms are acceptable. A binary "1" indicates "WSQ".
DAT	M	Image Data	<i>i</i>	Image data

5.27 TYPE-7 LOGICAL RECORD: IMAGE DATA

Type-7 Logical Record				
Identifier	Condition	Tag Name	Value	Notes
LEN	M	Logical Record Length	<i>n</i>	This tag contains the length of the logical record specifying the total number of bytes, including every byte of all the tags contained in the record.
IDC	M	Image Designation Character	<i>m</i>	This tag shall be used to identify the image data contained in the record. The IDC contained in this tag shall be a binary representation of the IDC found in the file content tag of the Type-1 record.
IMP	M	Impression Type	<i>x</i>	Value is the appropriate finger or palm latent code from table A3 (6, 14).
FGP	M	Finger Number		This mandatory fixed-length tag shall occupy the 7 th through 12 th bytes of a Type-7 record. The number shall be entered as a binary number, right justified and left zero filling within the eighth-bit position of the byte. The unused bytes shall be filled with the binary equivalent of "255". The code "0" (for "unknown finger") shall be used.
ISR	M	Image Scanning Resolution	<i>x</i>	This tag shall contain a binary value of "0" if the minimum scanning resolution is used and a "1" if the native scanning resolution is used.
HLL	M	Horizontal Line Length	<i>xx</i>	This tag shall be used to specify the number of pixels contained on a single horizontal line of the transmitted image.
VLL	M	Vertical Line Length	<i>xx</i>	This tag shall be used to specify the number of horizontal lines contained in the transmitted image.
GCA	M	Grayscale compression algorithm	<i>x</i>	This tag shall be used to specify the type of grayscale compression algorithm used (if any). A binary "0" denotes no compression. Otherwise, the contents of this byte shall be a binary representation for the number allocated to the particular compression technique used by the interchange parties. A binary "2" indicates "JPEG 2000".
IMG	M	Image Data	<i>i</i>	This binary tag shall contain all of the high-resolution grayscale image data. Each pixel of the uncompressed image shall be quantized to eight bits (256 gray levels) contained in a single byte. If compression is used, the pixel data shall be compressed in accordance with the compression technique specified in the CGA tag. This completes the high-resolution image description for a single image.

5.28 TYPE-10 LOGICAL RECORD: FACIAL IMAGE

Type-10 Logical Record									
Identifier	Condition	Tag Number	Tag Name	Char Type	Min Size	Max Size	Min Occurrence	Max Occurrence	Notes
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	N	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 - 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 - 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 - 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 algorithm used (if any). Valid values are 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 color 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 color images containing non-interleaved red, green, and blue pixels in that order. WI 44444
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:

Type-10 Logical Record

Identifier	Condition	Tag Number	Tag Name	Char Type	Min Size	Max Size	Min Occurrence	Max Occurrence	Notes
									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	
DAT	M	10.999	Image Data	B	2	5000001	1	1	

5.29 TYPE-13 LOGICAL RECORD: LATENT IMAGES

Type-13 Logical Record									
Identifier	Condition	Tag Number	Tag Name	Char Type	Min Size	Max Size	Min Occurrence	Max Occurrence	Notes
LEN	M	13.001	Logical Record Length	N	4	8	1	1	
IDC	M	13.002	Image Designation Character	N	1	5	1	1	
IMP	M	13.003	Impression Type	N	1	2	1	1	Value is the appropriate impression code from table A3 (4, 7,12, 15)
SRC	M	13.004	Source Agency Identifier	AN	7	7	1	1	
LCD	M	13.005	Latent Capture Date	N	8	8	1	1	
HLL	M	13.006	Horizontal Line Length	N	3	5	1	1	
VLL	M	13.007	Vertical Line Length	N	3	5	1	1	
SLC	M	13.008	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	13.009	Horizontal Pixel Scale	N	1	5	1	1	Contributors must round to the nearest whole number.
VPS	M	13.010	Vertical Pixel Scale	N	1	5	1	1	Contributors must round to the nearest whole number.
CGA	M	13.011	Compression Algorithm	A	3	7	1	1	This tag shall be used to specify the type of compression algorithm used (if any). Valid value is NONE.
BPX	M	13.012	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	13.013	Finger/Palm Position	N	2	3	1	6	
COM	O	13.020	Comment	AN	2	128	0	1	
INM	C	13.200	Image Name	ANS	1	12	0	1	This tag becomes mandatory if the Type of Transaction (Tag 1.004) is LFS.
COMM	O	13.201	Comments	ANS	1	1000	0	1	Carriage Return, Line Feed
DAT	M	13.999	Image Data	B	2	-	1	1	

5.30 TYPE-14 LOGICAL RECORD: PLAIN IMPRESSIONS

Type-14 Logical Record									
Identifier	Condition	Tag Number	Tag Name	Char Type	Min Size	Max Size	Min Occurrence	Max Occurrence	Notes
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 A3 (0 or 2).
SRC	M	14.004	Source Agency Identifier	AN	7	7	1	1	
TCD	M	14.005	Capture Date	N	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	6	For Biometric Consent Purposes, acceptable values are found in Table 14.021 in Section 4.8.
SEG	C	14.021	Segment Position				0	4	For ID Flats purposes this tag becomes mandatory.
	M		Finger Number	N	1	2	1	1	Valid values are 01 to 15.
	M		Left	N	1	4	1	1	
	M		Right	N	1	4	1	1	
	M		Top	N	1	4	1	1	
	M		Bottom	N	1	4	1	1	

Type-14 Logical Record

Identifier	Condition	Tag Number	Tag Name	Char Type	Min Size	Max Size	Min Occurrence	Max Occurrence	Notes
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: 1-Rolled tenprint 2-Identification flats 3-Biometric consent
DAT	M	14.999	Image Data	B	2	--	1	1	

5.31 TYPE-15 LOGICAL RECORD: PALMPRINT

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 A3. (10, 11)
SRC	M	15.004	Source Agency	AN	7	7	1	1	
PCD	M	15.005	Palmprint Capture Date	N	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 A1 (21 to 28).
CMT	O	15.020	Comment	ANS	1	1000	0	1	
DAT	M	15.999	Image Data	B	2	-	1	1	

Appendix A: Tables

A1 – FINGER / PALM CODES

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

A2 – ALLOWABLE BOX SIZES FOR FINGER / PALM IMAGES

FINGER / PALM BOX SIZES						
Finger / Palm print	Impression Type Code (see Table A3)	Finger / Palm Code (see Table A1)	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 submissions, all finger/palm impressions to be scanned 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 currently accepted by RTID within Type-14 Records but are included here as a future consideration.
- 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 can not be applied. The supported variance limits are documented for RCMP internal reference within specification #15783 NPS NIST Functional Requirements – Validation Services.

A3 – IMPRESSION TYPE CODES

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

A4 – PROVINCE CODES

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.

A5 – STATE CODES

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

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
56	OKLAHOMA	OKLAHOMA	Yes / Oui
57	OREGON	OREGON	Yes / Oui

STATE CODES / CODES D'ÉTAT			
Code	English Description / Description anglaise	French Description / Description française	US States to search / États américains - Recherche
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

A6 – COUNTRY CODES

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

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
116	CAMBODIA	CAMBODGE	Yes / Oui
120	CAMEROON	CAMEROUN	Yes / Oui

Country Codes / Codes de pays			
Code	English Description / Description anglaise	French Description / Description française	International Countries to Search / Pays étrangers - Recherche
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	
250	FRANCE	FRANCE	Yes / Oui
254	FRENCH GUIANA	GUYANE FRANÇAISE	
258	FRENCH POLYNESIA	POLYNÉSIE FRANÇAISE	
260	FRENCH SOUTHERN TERRITORY	TERRES AUSTRALES FRANÇAISES	

Country Codes / Codes de pays			
Code	English Description / Description anglaise	French Description / Description française	International Countries to Search / Pays étrangers - Recherche
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
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

Country Codes / Codes de pays			
Code	English Description / Description anglaise	French Description / Description française	International Countries to Search / Pays étrangers - Recherche
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
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	

Country Codes / Codes de pays			
Code	English Description / Description anglaise	French Description / Description française	International Countries to Search / Pays étrangers - Recherche
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	PALAU	
586	PAKISTAN	PAKISTAN	Yes / Oui
591	PANAMA	PANAMA	Yes / Oui
598	PAPUA NEW GUINEA	PAPOUSIE-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
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

Country Codes / Codes de pays			
Code	English Description / Description anglaise	French Description / Description française	International Countries to Search / Pays étrangers - Recherche
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	Yes / Oui
732	WESTERN SAHARA	SAHARA OCCIDENTAL	
736**	SUDAN	SOUDAN	
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
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

Country Codes / Codes de pays			
Code	English Description / Description anglaise	French Description / Description française	International Countries to Search / Pays étrangers - Recherche
862	VENEZUELA	VÉNÉZUELA	Yes / Oui
876	WALLIS AND FUTUNA ISLANDS	ÎLES WALLIS ET FUTUNA	
882	SAMOA	SAMOA	
887	YEMEN	YEMEN	Yes / Oui
891	SERBIA AND MONTENEGRO	SERBIE-ET-MONTÉNÉGRO	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.

**736 – the former country of Sudan was partitioned in 2011; code to be withdrawn as of April 1, 2012.

Appendix B: Summary Tag List for Transactions TO the RCMP

Summary Type-2 Tag List For Transactions TO the Rcmp													
Tag Number	Tag Id	CAR Y	CAR N	REF	MAP	LFFS	LFS	ULD	ULR	LFSRD	ULE	LCLO	IRQ
2.001	LEN	M	M	M	M	M	M	M	M	M	M	M	M
2.002	IDC	M	M	M	M	M	M	M	M	M	M	M	M
2.067	IMA	O	O	O	C								
2.800	DCN	M	M	M	M								
2.801	FPS	O	O	O	O								C
2.802	ADR	M	O	M	C								
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	C						O
2.808	HAI	C	C	M	C		C						
2.809	EYE	C	C	M	C		C						
2.810	HGT	M	C	M	C								
2.811	WGT	M	C	M	C								
2.814	RACE	C	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						M
2.822	CPX	O	O	M									
2.823	MKS	O	O	O									
2.824	OTN	O	O	O	C								
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								
2.848	CCI				C								
2.849	BBID				C								
2.850	ATS				C								
2.851	DCR												O
2.852	RLP												O
2.853	LPF												
2.858	ODT					C	M			C	M		
2.860	REM						M						
2.861	LCT					M	M			M	M		
2.869	APT				M								
2.870	VAO				C								
2.871	VCL				C								
2.872	TPW				C								

Summary Type-2 Tag List For Transactions TO the Rcmp

Tag Number	Tag Id	CAR Y	CAR N	REF	MAP	LFFS	LFS	ULD	ULR	LFSRD	ULE	LCLO	IRQ
2.873	DIS				C								
2.874	SFBI	C	C	C	O		C						
2.875	RRES												
2.876	USS	O	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	M	O								
2.888	FOSS	O	O	M	O								
2.889	BCID				C								
2.891	ISR	O	O	O	O		O						
2.892	IRP	C	C	C	C		C						
2.893	FQO	O	O	O	O								
2.894	FER	C	C	C	C		C						
2.896	ACS		M										
2.8001	NIMG												
2.8002	ICON												
2.8005	RET	M	M	M	M								
2.8007	CDT												
2.8008	RER									O	O		
2.8009	RVR									M			
2.8010	CIN						M						
2.8011	NOK	O											
2.8013	FGP					O				O	O		
2.8014	FBI	O	O	O									
2.8017	LFN					M		M			M	M	
2.8018	LTC		O			M		M	M	M	M	M	
2.8020	AOF						M						
2.8021	AAI												
2.8022	DOB	M	M	M	M								O
2.8024	ISF					M					M		
2.8025	AGR						O						
2.8026	DLST												
2.8027	HTR						O						
2.8028	WTR						O						
2.8029	PAT						C						
2.8038	DPR	M	M	M	M								
2.8044	ESD												
2.8045	DOA	M											
2.8046	SID												
2.8059	SRF												
2.8060	EMSG												
2.8061	CST						M						
2.8071	ACN												

Summary Type-2 Tag List For Transactions TO the Rcmp

Tag Number	Tag Id	CAR Y	CAR N	REF	MAP	LFFS	LFS	ULD	ULR	LFSRD	ULE	LCLO	IRQ
2.8084	MFR	C	C	C	C								
2.8105	CRF												O
2.8106	ICI	C	C	C									
2.8111	DOD												
2.8124	ATN												
2.8128	TNA												
2.8142	EXD					O					O		
2.8144	LID					M		O		M	M	M	
2.8206	VRLD									M			
2.8208	NOM					M							
2.8288	FPC					O				O	O		
2.8289	ARI					C	M			C	M		
2.8291	FINS												
2.8292	RSL												
2.8293	LCRTD									O			
2.8295	RSTS		O			C							
2.8296	COI					M				M	M	M	
2.8298	REZ					M							
2.8302	RTSF		O			C							
2.8311	RFS					M				M			
2.8313	CLL					M							
2.8315	CIL					M							
2.8330	ROT					M							
2.8332	AULF					M				M			
2.8333	LTVN					M							
2.8334	NCR												
2.8335	CAN												
2.8336	LCI					M		O	M	M	M	M	
2.8337	OID					M		M	M	M	M	M	C
2.8351	LRTC										M		
2.8354	TTI					O				M	M	M	
2.8900	SRS				M								
2.8903	RTA				C								
2.8908	CNON	O	O		O								
2.8910	NVN	M	M	M	M	M	M	M	M	M	M	M	M
2.8911	STV	M	M	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						M
2.8933	GNA	O											
2.8934	TEL				O								
2.8935	CTRY	C	O	M									

Summary Type-2 Tag List For Transactions <u>TO</u> the Rcmp													
Tag Number	Tag Id	CAR Y	CAR N	REF	MAP	LFFS	LFS	ULD	ULR	LFSRD	ULE	LCLO	IRQ
2.8936	RTX	C	C	C									
2.8937	ELIM						M						
2.8938	NOTF	M	M	M	M								
2.8939	FPCL	M	M	M	M								
2.8943	EVSI				O								
2.8944	VSD				C								

Appendix C: Summary Tag List for Transactions FROM the RCMP

SUMMARY OF TYPE-2 TAG LIST FOR TRANSACTIONS <u>FROM</u> THE RCMP													
Tag Number	Tag ID	ULDR	ULRR	ULER	SRE	SRL	LSR	IRR	ERRT	ERRL	ERRI	ACKT	ACKL
2.001	LEN	M	M	M	M	M	M	M	M	M	M	M	M
2.002	IDC	M	M	M	M	M	M	M	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	C	O	O		O	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												
2.853	LPF							O					
2.858	ODT		O										
2.860	REM												

SUMMARY OF TYPE-2 TAG LIST FOR TRANSACTIONS <u>FROM</u> THE RCMP													
Tag Number	Tag ID	ULDR	ULRR	ULER	SRE	SRL	LSR	IRR	ERRT	ERRL	ERRI	ACKT	ACKL
2.861	LCT		0										
2.869	APT				0								
2.870	VAO												
2.871	VCL												
2.872	TPW												
2.873	DIS												
2.874	SFBI												
2.875	RRES				M	0	0		0	0			
2.876	USS												
2.883	COB												
2.884	POE												
2.885	DOE												
2.886	RID				0			0					
2.887	CIC				0								
2.888	FOSS				0								
2.889	BCID												
2.891	ISR												
2.892	IRP												
2.893	FQO							0					
2.894	FER												
2.896	ACS												
2.8001	NIMG					M							
2.8002	ICON					0							
2.8005	RET												
2.8007	CDT		0										
2.8008	RER												
2.8009	RVR												
2.8010	CIN												
2.8011	NOK												
2.8013	FGP												
2.8014	FBI				0								
2.8017	LFN	M	0										
2.8018	LTC	M	M	M		M				0			
2.8020	AOF												
2.8021	AAI		0					0					
2.8022	DOB				0			0					
2.8024	ISF		0										
2.8025	AGR												
2.8026	DLST	C											
2.8027	HTR												

SUMMARY OF TYPE-2 TAG LIST FOR TRANSACTIONS <u>FROM</u> THE RCMP													
Tag Number	Tag ID	ULDR	ULRR	ULER	SRE	SRL	LSR	IRR	ERRT	ERRL	ERRI	ACKT	ACKL
2.8028	WTR												
2.8029	PAT												
2.8038	DPR							O					
2.8044	ESD				O								
2.8045	DOA												
2.8046	SID	M	M	M				M					
2.8059	SRF				O								
2.8060	EMSG								M	M	M		
2.8061	CST						M						
2.8071	ACN				O		O	O					
2.8084	MFR							O					
2.8105	CRF												
2.8106	ICI												
2.8111	DOD												
2.8124	ATN												
2.8128	TNA												
2.8142	EXD		O										
2.8144	LID	O	O	M									
2.8206	VRLD												
2.8208	NOM												
2.8288	FPC		O										
2.8289	ARI		O										
2.8291	FINS					O							
2.8292	RSL					O							
2.8293	LCRTD												
2.8295	RSTS												
2.8296	COI												
2.8298	REZ												
2.8302	RTSF												
2.8311	RFS												
2.8313	CLL												
2.8315	CIL												
2.8330	ROT												
2.8332	AULF					M							
2.8333	LTVN												
2.8334	NCR					M							
2.8335	CAN					O							
2.8336	LCI	O	O	O		M				O			
2.8337	OID	M	O	M		M		O					
2.8351	LRTC												

SUMMARY OF TYPE-2 TAG LIST FOR TRANSACTIONS <u>FROM</u> THE RCMP													
Tag Number	Tag ID	ULDR	ULRR	ULER	SRE	SRL	LSR	IRR	ERRT	ERRL	ERRI	ACKT	ACKL
2.8354	TTI			M									
2.8900	SRS												
2.8903	RTA												
2.8908	CNON												
2.8910	NVN	M	M	M	M	M	M	M	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												
2.8937	ELIM												
2.8938	NOTF												
2.8939	FPCL												
2.8943	EVSI												
2.8944	VSD												

Appendix D: Data Dictionary of RCMP-defined tags

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
		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

Data Dictionary						
Tag Number	Identifier	Tag Name	Pick List	Character Type	Min Field Size	Max Field Size
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
		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

Data Dictionary						
Tag Number	Identifier	Tag Name	Pick List	Character Type	Min Field Size	Max Field Size
		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
		VSI Flag 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	Charge 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
2.848	CCI	Credit Card Information				
		Credit Card Type Code	Y	N	1	1
		Credit Card Number		N	13	25
		Credit Card Expiry Date		N	4	4
		Name on Credit Card		AS	1	50
		Payment Amount		NS	1	6
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
2.858	ODT	Offence Date		N	8	8
2.860	REM	Description of Crime Scene / Remarks		ANS	1	2000
2.861	LCT	Latent Submission Crime Type	Y	AN	4	4
2.869	APT	Application Type				
		Application Type	Y	N	1	2
		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

Data Dictionary						
Tag Number	Identifier	Tag Name	Pick List	Character Type	Min Field Size	Max Field Size
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
2.8001	NIMG	Number of Images		N	1	2
2.8002	ICON	Image Content				
		Candidate List File Number / Latent Search Identifier		ANS	12	39
		Image Designation Character		N	1	5
		Finger Number	Y	N	2	2
		Rank		N	1	3
2.8005	RET	Retention Code		A	1	1
2.8007	CDT	Creation Date		N	8	8
2.8008	RER	Remote Encoding Results				
		Encoding Operator Identifier		AN	6	9
		Start Date/Time of Encoding		N	14	14
		End Date/Time of Encoding		N	14	14
2.8009	RVR	Remote Verification Results				
		Verification by Operator Identifier		AN	6	9
		Start Date/Time of Verification		N	14	14
		End Date/Time of Verification		N	14	14
2.8010	CIN	Contributor Case Identifier Numbers				
		Occurrence Number		ANS	1	24
		Ident Section File Number		ANS	1	24
2.8011	NOK	Next Of Kin				

Data Dictionary						
Tag Number	Identifier	Tag Name	Pick List	Character Type	Min Field Size	Max Field Size
		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
2.8013	FGP	Finger/Palm Position	Y	N	2	2
2.8014	FBI	FBI File Number		AN	1	9
2.8017	LCN	Latent File Number		ANS	4	32
2.8018	LTC	Latent Type Code	Y	N	1	1
2.8020	AOF	Address Of Offence				
		Apt./Unit # - Street#/Name		ANS	1	35
		City		ANS	1	35
		Province/State Code	Y	N	2	2
		Postal Code/Zip Code		ANS	1	10
		Country		AS	1	35
2.8021	AAI	Added by Agency Identifier		AN	7	7
2.8022	DOB	Date of Birth		N	8	8
2.8024	ISF	Ident Section File Number		ANS	1	24
2.8025	AGR	Age Range		N	4	4
2.8026	DLST	Deleted Latent Search List				
		Latent Identifier		ANS	5	36
		Latent Image Identifier		ANS	14	39
2.8027	HTR	Height Range		N	6	6
2.8028	WTR	Weight Range		N	6	6
2.8029	PAT	Pattern Level Classification				
		Finger Number	Y	N	2	2
		Pattern Code	Y	A	2	2
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
2.8061	CST	Case Title		ANS	1	50
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

Data Dictionary						
Tag Number	Identifier	Tag Name	Pick List	Character Type	Min Field Size	Max Field Size
		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
2.8124	ATN	Attention		AS	1	30
2.8128	TNA	Type of New Activity		ANS	1	100
2.8142	EXD	Expiry Date		N	8	8
2.8144	LID	Latent Identifier		ANS	5	36
2.8206	VRLD	Respondents List Verification				
		Candidate List File Number / Latent Image ID		ANS	12	39
		Manual Verification Disposition Code	Y	N	1	1
		Finger Number/Palm Position	Y	N	2	2
		Match Score		N	1	10
		Rank		N	1	3
2.8208	NOM	Number of Minutiae		N	1	4
2.8288	FPC	Fingerprint Classification Filters	Y	A	1	4
2.8289	ARI	Authority to Release Indicator		N	1	1
2.8291	FINS	Fingerprints Searched		N	1	10
2.8292	RSL	Respondent Size Limit		N	1	3
2.8293	LCRTD	Latent Certification Disposition				
		Certification Operator Identifier		AN	6	9
		Certification Disposition Type Code	Y	N	1	1
		Candidate List File Number/Latent Image ID		ANS	12	39
		Manual Verification Disposition Code	Y	N	1	1
		Finger(s) Used to Certify	Y	N	2	20
		Start Date/Time of Certification		N	14	14
		End Date/Time of Certification		N	14	14
		Rank		N	1	3
2.8295	RSTS	Latent Search Target Set Code	Y	N	1	1
2.8296	COI	Certified Operator Indicator		N	1	1
2.8297	RNSC	Forward to Remote Network Search Coordinator Reason Code *** <i>not used by external agencies</i> ***	Y	N	1	1
2.8298	REZ	Resize Factor		NS	1	4
2.8302	RTSF	Record Type Search Filter	Y	N	1	1
2.8311	RFS	Repository File to Search		N	1	1

Data Dictionary						
Tag Number	Identifier	Tag Name	Pick List	Character Type	Min Field Size	Max Field Size
2.8313	CLL	Candidate List Limit		N	1	3
2.8315	CIL	Candidate Image List Limit		N	1	2
2.8330	ROT	Rotation		N	1	3
2.8332	AULF	Add to Unsolved Latent File		N	1	1
2.8333	LTVN	Latent Verification Node/Agency ID		AN	1	32
2.8334	NCR	Number of Candidates		N	1	3
2.8335	CAN	Candidate List				
		Candidate List File Number / Latent Search Identifier		ANS	12	39
		Finger Number/Palm Position	Y	N	2	2
		Match Score		N	1	10
		Rank		N	1	3
		Document Control Number		N	20	20
		Respondent FPCs	Y	A	1	4
		Gender	Y	A	1	1
		Originating Agency Identifier		AN	7	7
		Creation Date		N	8	8
		Offence Date		N	8	8
		Latent Submission Crime Type Code	Y	AN	4	4
		Ident Section File Number		ANS	1	24
		Search Palm Area Center x		N	1	5
		Search Palm Area Center y		N	1	5
		Search Palm Area Rotation		NS	1	4
		Search Palm Area Width		N	1	5
		Search Palm Area Height		N	1	5
		Candidate Palm Area Center x		N	1	5
		Candidate Palm Area Center y		N	1	5
		Candidate Palm Area Rotation		NS	1	4
		Candidate Palm Area Width		N	1	5
		Candidate Palm Area Height		N	1	5
2.8336	LCI	Latent Image Identifier		ANS	14	39
2.8337	OID	Operator Identifier		AN	6	9
2.8900	SRS	Send Results	Y	N	1	1
2.8351	LRTC	Latent Repository Code	Y	N	1	1
2.8354	TTI	Transcoder Transaction Identifier		ANS	1	16
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

Data Dictionary						
Tag Number	Identifier	Tag Name	Pick List	Character Type	Min Field Size	Max Field Size
		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
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
2.8937	ELIM	Eliminations Completed Indicator		N	1	1
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
2.8944	VSD	Vulnerable Sector Details				
		Description of Position		ANS	1	100

Data Dictionary						
Tag Number	Identifier	Tag Name	Pick List	Character Type	Min Field Size	Max Field Size
		Name of Person or Organization		ANS	1	100
		Details Regarding Children or Vulnerable Person(s)		ANS	1	100
10.200	COM	Comments		ANS	1	500
13.200	INM	Image Name		ANS	1	12
13.201	COMM	Comments		ANS	1	1000
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

AFIS	Automated Fingerprint Identification System
ACKL	Acknowledgement Latent
ACKT	Acknowledgement Tenprint
ANSI	American National Standards Institute
CAR	Criminal Tenprint Submission Answer Required
CBSA	Canadian Border Services Agency
CPIC	Canadian Police Information Centre
CBSA/CIC	Canada Border Services Agency/Citizenship and Immigration Canada
CCRTIS	Canadian Criminal Real Time Identification Services
CGA	Compression Algorithm
CJIS	Criminal Justice Information Services
CRA	Canada Revenue Agency
CRII	Criminal Record II
C-216	The RCMP-NPS Criminal Fingerprint Form
C-216C	The RCMP-NPS Civil Fingerprint Form
C-216R	The RCMP-NPS Refugee Fingerprint Form
DCN	Document Control Number
DSB	Departmental Security Branch
EFGD	Electronic Fingerprint Capture Device
EFTS	FBI Electronic Fingerprint Transmission Specification
EMS	Electronic Mugshot System
ERRI	Error Image Request
ERRT	Error Tenprint Submission
ERRL	Error Latent Submission
FAST	Free and Secure Trade Program
FBI	Federal Bureau of Investigation
FOSS	Field Operational Support System
FPS	Finger Print Section
GCA	Grayscale Compression Algorithm
HLL	Horizontal Line Length
IAFIS	FBI Integrated Automated Fingerprint Identification System
ICD	Interface Control Document
IDC	Image Designation Character
IMG	Image Data
REF	Refugee
IMP	Impression Type
IRQ	Image Request
IRR	Image Request Response
ISR	Image Scanning Resolution

JPEG2000	Latest release from the Joint Photographic Experts Group (it is a compression algorithm that uses wavelet technology)
LEN	Logical Record Length
LFS	Latent Fingerprint Image(s) Submission
LFFS	Latent Fingerprint Feature Search
LFSRD	Latent Fingerprint Search Result Disposition
LSR	Latent Submission Results
MAP	Miscellaneous Applicant Civil Submission
NIST	National Institute of Standards and Technology
NPS	National Police Services
NSS	Network Services Section
RAFIAS	Regional Automated Identification Access System
RCMP	Royal Canadian Mounted Police
RMS	Records Management System
RTID	Real Time Identification
SRL	Latent Fingerprint Search Results
SRE	Tenprint Search Results (response to an REF, MAP, CAR Y, CAR N)
TOT	Type of Transaction
TRA	Threat, Risk Assessment
VLL	Vertical Line Length
WSQ	Wavelet Scalar Quantization (a compression algorithm that uses wavelet technology)