

R50_Z06 – Enroll Visa Subscriber with PHN

1 General

Standards for messaging to and from Ministry of Health applications using HL7 are described in a series of business and technical volumes. Volumes 1, 2, 5, 6 and 7 are common for all application interfaces. Volumes 3 and 4 are customized to the requirements of particular business areas. This message specification is a component of Volume 4 – HL7 Message Specifications.

A catalogue of all supported messages and message interactions can be found in Volume 1.

All documentation is available on the *healthnetBC* software development web site

<http://healthnet.hnet.bc.ca/catalogu/tech/compdocs.html>

1.1 Corrections and updates

Corrections and update notes can be found at the end of this document. A vertical line in the outside boarder denotes corrections within the document. There are currently no corrections to this document.

1.2 R50_Z06 - Transaction Overview

Allow third-party payers to register their employees on a work visa and international students on a student visa as Ministry of Health beneficiaries. This transaction will allow just the subscriber who already has a BC Personal Health Number (PHN) to be added.

An R03 – Get Person Demographics or an R41 - PHN Inquiry transaction must be submitted prior to using this transaction to verify the PHN is correct for this person before a new registration is performed.

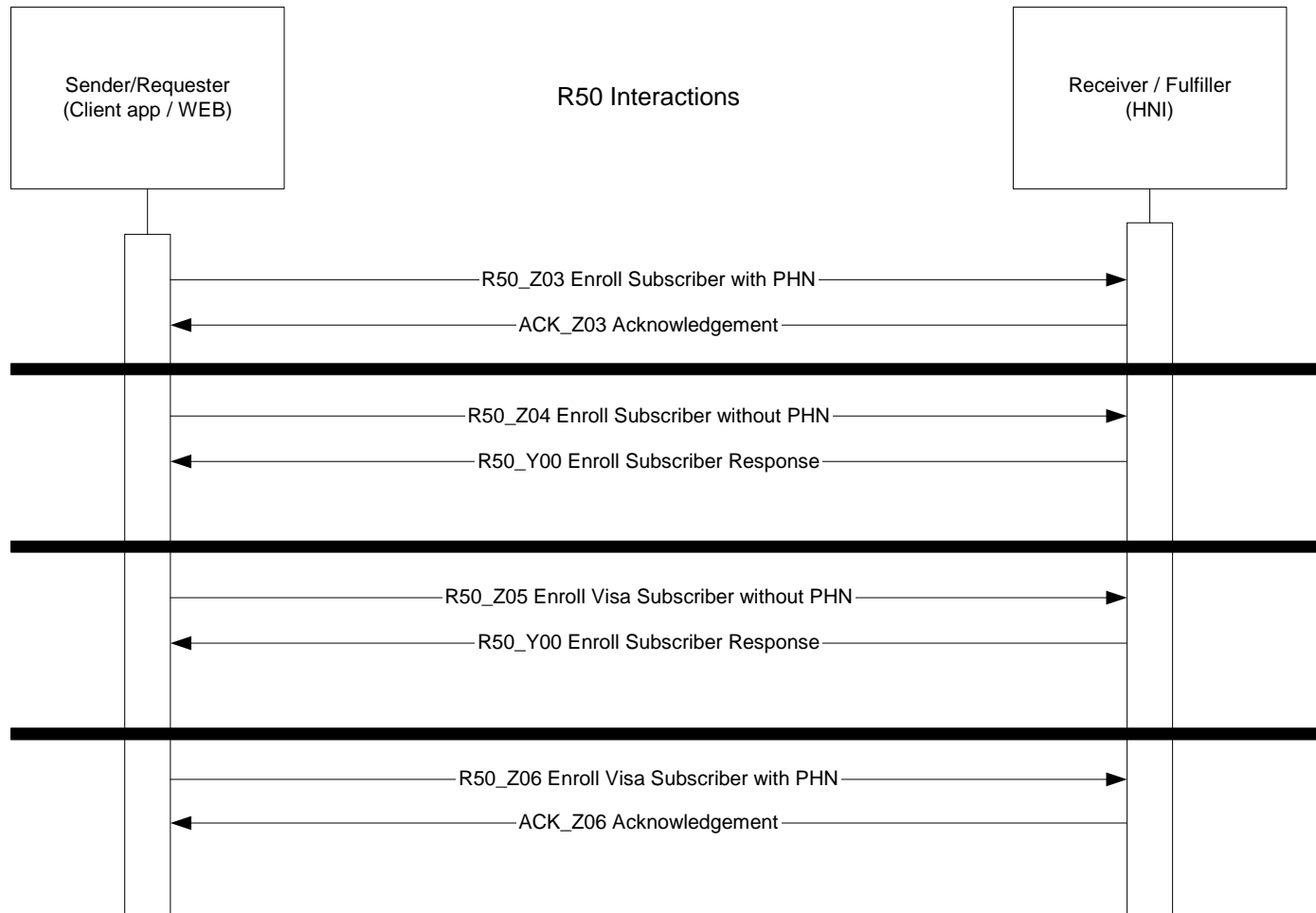
If the person does not have a PHN an R50_Z05 should be used instead of this message.

| R50 Supported Trigger Events. | | | | | | |
|--|----------------|------------------------------------|-------------------------|----------------|----------------------------|--|
| This table lists ALL supported trigger events for the R50 message. Note the following: | | | | | | |
| 1. A response trigger 'Y00' is defined for messages which return business data, otherwise a standard ACK response message is sent that echo's the trigger event code on the inbound message. 2. In addition to the triggers listed here, network communication failures will also return an ACK response. See Volume 5 for details. | | | | | | |
| Initial Message | | | Response Message | | | |
| Message Type | Trigger | Description | Message Type | Trigger | Description | Remarks |
| R50 | Z03 | Enroll Subscriber with PHN | ACK | Z03 | Acknowledgement | An ACK message is returned indicating the success or failure of the request |
| R50 | Z04 | Enroll Subscriber without PHN | R50 | Y00 | Enroll subscriber response | Returns enrollment processing result and, if successful, includes a newly created PHN. |
| R50 | Z05 | Enroll Visa Subscriber without PHN | R50 | Y00 | Enroll subscriber response | Returns enrollment processing result and, if successful, includes a newly created PHN. |
| R50 | Z06 | Enroll Visa Subscriber with PHN | ACK | Z06 | Acknowledgement | An ACK message is returned indicating the success or failure of the request |

1.3 R50^__ Valid Interactions

The following interactions are permitted with the R50 message, and the trigger events described in the preceding table.

Note: a single message instance is defined as a Message Type + Trigger Event.



2 Sending System

2.1 R50_Z06 - Processing Rules – Sending System

1. ZIH – 19 Payer Cancel Reason is required even though defaulted in this message. Other cancel reasons may be supported in the future.

2. Extended Address on ZIA input:

At least one and up to two addresses may be supplied with this transaction, a residential/home address (Address Type of Extended Address on ZIA = “H”) and a mailing address (Address Type of Extended Address on ZIA = “M”).

If only one address is specified, it must be the residential/home address (Address Type = “H”). If a residential/home address is specified (Address Type = “H”), then Zip or Postal Code is also required.

If two addresses are specified, then two repetitions of Extended Address on one ZIA must be used. The types (Address Type of Extended Address) cannot be the same between the two repetitions. The addresses may be specified in any order by using Address Type to distinguish the type of address. The mailing (Address Type = “M”) is specified only if different than the residential/home address (Address Type = “H”).

If two addresses are specified, then Zip or Postal Code is also required for the mailing address (Address Type = “M”).

3. Up to two telephone numbers may be supplied with this transaction.

If two telephone numbers are specified, then two repetitions of Extended Telephone Number on one ZIA must be used. The types (Telecommunications Use Code of Extended Telephone Number on ZIA) cannot be the same between the two repetitions. The telephone numbers may be specified in any order by using the Telecommunications Use Code to distinguish the telephone usage.

4. Plan Effective Date on IN1 must:

- Be the 1st day of the month
- Be more than 2 months after the later of BC Residency Date or Visa Issue Date.
- Not be more than 14 months in the past or 12 months in the future.

5. Plan Expiration Date on IN1 must:

- Be the last day of the month
- Be less than three months after the Visa Expiry Date

6. The sender must indicate both the Visa Issue Date and the Visa Expiry Date. This is done through repetition of the Document Argument field in the ZIK segment, using the Argument Name to distinguish the dates.

First instance of ZIK.4 Document Argument

- Argument Name is set to "VISA_ISSUE"
- Argument Value is set to the Visa Issue Date with a format of CCYYMMDD

Second instance of ZIK.4 Document Argument

- Argument Name is set to "VISA_XPIRY"
- Argument Value is set to the Visa Expiry Date with a format of CCYYMMDD

7. ZIA Prior Residence Code should only be empty if the person was not previously residing outside of BC, e.g. newborns, BC residents previously opted out of MSP, BC residents previously covered under a federal health care plan.

2.2 R50_Z06 - Minimum Display/Print Standards – Sending System

For each submission of this transaction, an indication of success or failure must be either:

- Displayed to the user, if transaction submitted on-line, or
- Printed on a paper report or logged in a file, if transaction submitted in batch.

Success or failure can be determined by using the tests below:

- **Success** = MSA segment present and Acknowledgement Code on MSA = "AA" (application accept),
- **Failure** = no MSA segment or Acknowledgement Code on MSA not = "AA" (application accept). Acknowledgement Code may be "AE" (application error) or "AR" (application reject). See 'MSA Segment in Volume 5 for more information on acknowledgement code use.

For a transaction failure,

- The following data elements must be displayed to the user, reported or logged (see above):

| Information Returned by HealthNet/BC | Mandatory Display | Display on First Screen? | Segment | Field |
|--------------------------------------|-------------------|--------------------------|---------|-------|
| | | | | |

| | | | | |
|---|---|---|-----|---|
| Text Message | Y | Y | MSA | Text Message (see segment for field decomposition rules) |
| All information, warning, error messages on ERR segment | Y | Y | ERR | Error Code and Location: Identifier of Code Identifying Error, Text of Code Identifying Error |

For a transaction success

- The following data elements must be displayed to the user, reported or logged (see above):

| Information Returned by HealthNet/BC | Mandatory Display | Display on First Screen? | Segment | Field |
|---|-------------------|--------------------------|---------|-------|
| No additional data elements have been determined at this time | | | | |

2.3 R50_Z06 - Transaction Summary - Sending System

The following specification illustrates the structure of the HL7 transaction.

{ } denotes one or more repetitions of the enclosed segment(s)

[] denotes that the enclosed segments are optional

Refer to Appendix A, "HealthNet/BC Fixed Length Segment Definitions" for more details on each of the segment definitions.

Input Transaction (R50_Z06)

| | | |
|-----|--|----------|
| MSH | Message Header | Required |
| ZHD | HealthNet/BC Message Header | Required |
| PID | Person Identification | Required |
| ZIA | HealthNet/BC Person Identification Extension | Required |
| IN1 | Insurance | Required |
| ZIH | HealthNet/BC Insurance Information | Required |
| ZIK | HealthNet/BC Documentation Extension | Required |

2.4 R50_Z06 - Transaction Segments and Fields - Sending System

| MSH | Required | | | | | | |
|-----|-----------------------|----------|-----------|-----------|--------------|-----------|--|
| Seq | Field | Req/ Opt | # of Reps | Proc Rule | Data Type | Table | Field Notes |
| - | Segment Id | R | | | HL7: SI | | "MSH" |
| 1 | Field Separator | R | | | HL7: ST | | " " |
| 2 | Encoding Characters | R | | | HL7: ST | | "^~\&" |
| 3 | Sending Application | R | | | HNET:HD 1 | | <ul style="list-style-type: none"> Namespace ID (15) - Business application that originated the transaction; user defined/assigned |
| 4 | Sending Facility | R | | | HNET:HD 1 | | <ul style="list-style-type: none"> Namespace ID (20) - Sending Network Facility ID; HealthNet/BC assigned |
| 5 | Receiving Application | R | | | HNET:HD 1 | | <ul style="list-style-type: none"> Namespace ID (15) - Business application that will accept the transaction; valid value is "RAIENROL-EMP" |
| 6 | Receiving Facility | R | | | HNET:HD 1 | | <ul style="list-style-type: none"> Namespace ID (20) - Receiving Network Facility ID; HealthNet/BC assigned |
| 7 | Date/Time of Message | R | | | HNET:TS | | Date/Time transaction was sent from sending system (24) – YYYYMMDDHHMMSS[S[S[S[S]]][+/-ZZZZ] |
| 8 | Security | R | | | HL7: ST | | User ID that uniquely identifies sending system user (20) |
| 9 | Message Type | R | | | HL7: CM4 | | <ul style="list-style-type: none"> Message Type (3) - Transaction Identification; valid value is "R50" Trigger Event (3) – Business Event Identification; valid value is "Z06" |
| 10 | Message Control ID | R | | | HL7: ST | | Unique transaction number (20) - see MSH definition for more information |
| 11 | Processing ID | R | | | HL7: PT | HNET:0103 | <ul style="list-style-type: none"> Processing ID (1) - valid values are "D", "E", "T", "P" |
| 12 | Version ID | R | | | HL7: ID | HL7:0104 | HL7 version supported by HealthNet/BC (8) - valid value is "2.3" |

| ZHD | | Required | | | | | |
|-----|--------------------------|----------|-----------|-----------|---------------|-------|---|
| Seq | Field | Req/ Opt | # of Reps | Proc Rule | Data Type | Table | Field Notes |
| - | Segment Id | R | | | HL7: SI | | "ZHD" |
| 1 | Business Event Date/Time | R | | | HNET : TS | | Date/Time business event occurred that "created" this transaction (19) - YYYYMMDDHHMMSS+/-ZZZZ |
| 2 | Business Organization | R | | | HNET : XON | | Business organization that originated the transaction; HealthNet/BC assigned <ul style="list-style-type: none"> • <i>Organization Name – Not Supported</i> • <i>Organization Name Type code – Not Supported</i> • ID Number (20) - Organization ID; required |
| 3 | Business User Group | R | | | HL7: ST | | Business User Group or Role that user belongs to (30) |
| 7 | Software Version Number | R | | | HL7: ST | | Latest version number of sending application software that has been compliance tested by HealthNet/BC (15) |

| PID | | Required | | | | | |
|-----|----------------------------|-----------------|-----------|-----------|-----------|-----------|---|
| Seq | Field | Req/ Opt | # of Reqs | Proc Rule | Data Type | Table | Field Notes |
| - | Segment ID | R | | | HL7: SI | | "PID" |
| 2 | External Patient ID | R | | | HNET : CX | | Personal Health Number (PHN) <ul style="list-style-type: none"> • ID (10) - Personal Health Number (PHN); required • <i>Check Digit – Not supported</i> • <i>Code Identifying the Check Digit Scheme Employed – Not Supported</i> • Namespace ID of Assigning Authority (5) - Identifier Issuing Jurisdiction; required; valid value is "BC" • Identifier Type Code (2) - required; valid value is "PH" |
| 3 | <i>Internal Patient ID</i> | - | | | | | <i>Not Supported</i> ² |
| 4 | Alternate Patient ID | RE ³ | | | HNET : CX | | Previous Personal Health Number (PHN) from a province other than BC for subscriber <ul style="list-style-type: none"> • ID (20) - Personal Health Number (PHN); required • <i>Check Digit – Not supported</i> • <i>Code Identifying the Check Digit Scheme Employed – Not Supported</i> • Namespace ID of Assigning Authority (5) - Identifier Issuing Jurisdiction; required; valid values are Canadian Provinces other than "BC". See Table HNET:0300 for a list of valid values. • Identifier Type Code (2) - required; valid value is "PH" |
| 5 | <i>Patient Name</i> | - | | | | | <i>Not Supported</i> ² |
| 7 | Date of Birth | R | | | HNET : TS | | CCYYMMDD (8) – required |
| 8 | Sex | R | | | HL7: IS | HL7: 0001 | Gender (1) - valid values are "F", "M" |

| ZIA | | Required | | | | | |
|-----|----------------------|----------|-----------|-----------|------------|-------|---|
| Seq | Field | Req/ Opt | # of Reqs | Proc Rule | Data Type | Table | Field Notes |
| - | Segment ID | R | | | HL7: SI | | "ZIA" |
| 2 | BC Residency Date | R | | | HL7: DT | | (8) - CCYYMMDD |
| 15 | Extended Person Name | R | | | HNET : ZPN | | <ul style="list-style-type: none"> • Family Name (35) - required • First Given Name (15) - required • Second Given Name (15) - optional • Third Given Name (15) – optional • <i>Suffix (6) - Not Supported</i> • <i>Prefix (6) – Not Supported</i> • Name Type Code (1) - required; valid value is "L" |

| ZIA | | Required | | | | | |
|-----|------------------|----------|-----------|-----------|------------|-------|---|
| Seq | Field | Req/ Opt | # of Reps | Proc Rule | Data Type | Table | Field Notes |
| 16 | Extended Address | R | 1-2 | 2 | HNET : ZAD | | <ul style="list-style-type: none"> • Address Line1 (25) - required • Address Line2 (25) - optional • Address Line3 (25) - optional • Address Line4 (25) - optional • <i>Address Line5 - Not Supported</i> • <i>Address Line6 - Not Supported</i> • <i>Street Number - Not Supported</i> • <i>Street Number Suffix - Not Supported</i> • <i>Street Name - Not Supported</i> • <i>Street Type - Not Supported</i> • <i>Street Direction - Not Supported</i> • <i>Unit Identifier - Not Supported</i> • <i>Unit Designator - Not Supported</i> • <i>Delivery Installation Area - Not Supported</i> • <i>Delivery Installation Type - Not Supported</i> • <i>Delivery Installation Qualifier - Not Supported</i> • <i>Mode of Delivery Designator - Not Supported</i> • <i>Mode of Delivery ID - Not Supported</i> • <i>Physical Description - Not Supported</i> • City (25) - required • State or Province (2) – required • Zip or Postal Code (10) - required; only first 6 characters of this field will be stored. • <i>Country – Not Supported</i> • Address Type (1) - Address Purpose; required; valid values are "M", "H"; see Processing Rules for use of this field |

| ZIA | | | | | | | |
|----------|---------------------------|------------------------------|-----------|-----------|------------|------------|--|
| Required | | | | | | | |
| Seq | Field | Req/ Opt | # of Reqs | Proc Rule | Data Type | Table | Field Notes |
| 17 | Extended Telephone Number | RE ³ ₋ | 0-2 | 3 | HNET : ZTN | | Phone numbers <ul style="list-style-type: none"> • <i>Unstructured Phone Number – Not Supported</i> • Telecommunication Use Code (3) - Telephone Purpose; required; valid value is "PRN", "ORN", "WPN", "EMR" • Telecommunication Equipment Type (2) – Telephone Type; required; valid value is "PH" • <i>Email address – Not Supported</i> • <i>Country Code – Not Supported</i> • Area/city Code (3) - required • Phone Number (7) - required |
| 24 | Immigration or Visa Code | R | | | HL7: ID | HNET :9932 | Subscriber Immigration or Visa Code (1) - ; valid values are "S", "W" |
| 25 | Prior Residence Code | RE ³ ₋ | | 7 | HL7: ID | HNET :9931 | Previous Province of Residence Code (2) - Refer to table HNET:9931 for valid values |

| IN1 | | | | | | | |
|----------|------------|----------|-----------|-----------|-----------|-------|-------------|
| Required | | | | | | | |
| Seq | Field | Req/ Opt | # of Reqs | Proc Rule | Data Type | Table | Field Notes |
| - | Segment ID | R | 1 | | HL7: SI | | "IN1" |

| IN1 | | Required | | | | | |
|-----|--------------------------|-----------------|-----------|-----------|------------|-------|--|
| Seq | Field | Req/ Opt | # of Reps | Proc Rule | Data Type | Table | Field Notes |
| 1 | Set ID – IN1 | - | | | | | Not Supported ² |
| 2 | Insurance Plan ID | - | | | | | Not Supported ² |
| 3 | Insurance Company ID | - | | | | | Not Supported ² |
| 8 | Group Number | R | | | HL7: ST | | Group Number (7) |
| 10 | Insured's Group Emp ID | RE ³ | | | HNET : CX | | Payer identifier for the insured. May be employee number, or student number (VISA students). <ul style="list-style-type: none"> ID - Employee Number (9) - required |
| 11 | Insured's Group Emp Name | RE ³ | | | HNET : XON | | Employee Department Number <ul style="list-style-type: none"> ID Number (6) - required |
| 12 | Plan Effective Date | R | | 4 | HL7: DT | | Coverage Effective Date (8) |
| 13 | Plan Expiration Date | R | | 5 | HL7: DT | | Coverage Cancellation Date (8) |

| ZIH | | Required | | | | | |
|-----|---------------------|----------|-----------|-----------|-----------|-------------|--|
| Seq | Field | Req/ Opt | # of Reps | Proc Rule | Data Type | Table | Field Notes |
| - | Segment ID | R | | | HL7: SI | | "ZIH" |
| 19 | Payer Cancel Reason | R | | 1 | HL7: ST | HNET : 9942 | Coverage Cancellation Reason(4). Valid value is "D". |

| ZIK | | Required | | | | | |
|-----|-------------------|----------|-----------|-----------|-----------|-------|--|
| Seq | Field | Req/ Opt | # of Reps | Proc Rule | Data Type | Table | Field Notes |
| - | Segment ID | R | | | HL7: SI | | "ZIA" |
| 4 | Document Argument | R | 2-2 | 6 | HNET :ZRG | | Repeating group of arguments that describe the document <ul style="list-style-type: none"> Argument Name (10) – required; valid values are "VISA_ISSUE", "VISA_XPIRY" Argument Value (8) – required. The date Visa issued / expired. CCYYMMDD. |

3 Receiving System

3.1 R50_Z06 - Processing Rules – Receiving System

The Receiving System will respond to this message with a standard ACK Message.



| DOCUMENT MODIFICATION HISTORY | | |
|-------------------------------|-----------------|--|
| VERSION | RELEASE DATE | DESCRIPTION |
| 1.0 | July 2003 | Original specification. In-house publication. |
| 2.0 | January 9, 2004 | <ul style="list-style-type: none"> • Text changes to trigger code descriptions and interaction models. • Response trigger codes consolidated. R50 uses a single “Y00” response for trigger events which return newly created PHN’s. • Other corrections to published specification, as described below. Unless otherwise noted, these corrections do not reflect changes to the supported message specification. (New and superseded messages are described in Volume 1.) |

¹ Correction to typo. Previously listed as ID datatype, should have been HD as shown in Appendix A segment definition.

² This HL7 required component is not supported for this message.

³ Correction. Previously coded as ‘CE’ this required or empty field has no predicate that can be tested within the message