Section 7 – Validation reports

Victorian Integrated Non-Admitted Health (VINAH) minimum dataset manual

14th edition, July 2018

Version 1.0
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Contents

Introduction.................................................................................................................................................................1
Control reports..................................................................................................................................................................2
File receipt acknowledgement report.............................................................................................................................3
Figure 1: File receipt acknowledgement sample output...............................................................................................4
File submission acceptance and validation report...........................................................................................................5
Figure 2: File submission acceptance and validation report – validations node ...............................................................6
Figure 1: File submission acceptance and validation report – submission node .................................................................7
Figure 3: File submission acceptance and validation report – validations totals node .......................................................8
Figure 4: File submission acceptance and validation report – acceptance node.................................................................9
Figure 5a: File submission acceptance and validation report – sample output – submission with no validation events ...........................................................................................................10
Figure 5b: File submission acceptance and validation report – sample output – submission with a validation event .................................................................11
Introduction

Control reports in VINAH are used primarily to manage the lifecycle of transmissions and to maintain data quality. Once a VINAH submission file is processed, one or more control reports are returned to the sending user containing:

- Validation messages
- Data acceptance indicators
- Submission metadata.

This section of the VINAH manual documents the control reports including their contents, layout and use.
Control reports

The control reports returned from VINAH are listed below:

- **File receipt acknowledgement report (Text)** - Acknowledges receipt of a file by the VINAH repository – returned for all submissions
- **File submission and validation report (XML)** - The main control report used to manage the VINAH lifecycle – returned for all submissions

**VINAH Submission Process**

<table>
<thead>
<tr>
<th>Health Care Organisation</th>
<th>HealthCollect Portal</th>
<th>VINAH Validation Engine</th>
<th>VINAH Repository</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Entry</td>
<td>File Receipt Acknowledgement Report</td>
<td>Acknowledge Receipt of file</td>
<td>VINAH Repository</td>
</tr>
<tr>
<td>Generate VINAH Extract</td>
<td>Submission File</td>
<td>Commit Valid Batches</td>
<td>VINAH Validation Register</td>
</tr>
<tr>
<td>Correct Errors</td>
<td>Validate Submission</td>
<td>Reject Invalid Batches</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
File receipt acknowledgement report

**File Processing Directive:** None – automatically returned.

**Returned When:** A file of any specification is received by the VINAH repository. With normal operation, files are acknowledged within 1-5 minutes. Where an acknowledgement is not received within 30 minutes, users should consult any HealthCollect Portal outage advice, or contact the HDSS Helpdesk.

**Purpose:** To allow sending users to confirm that the VINAH repository has received the file. The receipt does not indicate that the file has been processed or validated in any way.

**Report Contents:** The content of the report is semi-structured text meant for viewing by the sending user and is not designed for automated consumption by the sending system.

**Report Name:** The report will be named exactly the same as the request file with an additional extension of ‘.ack.txt’.

**Period Covered:** Immediate VINAH submission.

**Report Parameters:** None.

**Report Sequence:** N/A

**Fields Reported:**

<table>
<thead>
<tr>
<th>Content/Element</th>
<th>Data Element Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>(System Message)</td>
<td>A variable message from the VINAH system indicating any information that may affect the normal processing of submissions.</td>
</tr>
<tr>
<td>(Header)</td>
<td>“Department of Health and Human Services VINAH - submission receipt”.</td>
</tr>
<tr>
<td>Environment</td>
<td>The type of system that processed the file.</td>
</tr>
<tr>
<td>Filename</td>
<td>File name.</td>
</tr>
<tr>
<td>Uploaded On</td>
<td>File submission date/time.</td>
</tr>
<tr>
<td>Received On</td>
<td>The date/time the file was received by the VINAH repository from the HealthCollect Portal.</td>
</tr>
<tr>
<td>Username</td>
<td>File submission user ID.</td>
</tr>
<tr>
<td>HL7 Batches</td>
<td>File HL7 batch count.</td>
</tr>
<tr>
<td>HL7 Messages</td>
<td>File HL7 message count.</td>
</tr>
<tr>
<td>Size (bytes)</td>
<td>File size.</td>
</tr>
<tr>
<td>Est. Job Run</td>
<td>A variable string indicating the amount of time the VINAH repository is predicted to take to perform processing.</td>
</tr>
<tr>
<td>Queue Wait:</td>
<td>A variable string indicating the amount of time predicted before the processing will be completed, including the amount of time waiting for other files in the submission queue to complete. This value may indicate the numbers of files, if any, ahead of this file in the queue.</td>
</tr>
</tbody>
</table>
Figure 1: File receipt acknowledgement sample output

Department of Health and Human Services - VINAH - Submission Receipt

Environment: live
Filename: VDMO_20170701090807_001.hl7
Uploaded on: 2017-07-01 09:15:24
Received on: 2017-07-01 09:16:00
Username: abcd1234
HL7 Batches: 1
HL7 Messages: 1
Size (bytes): 540
Est. Job Run: 4 seconds
Queue Wait: 8 hours, 34 minutes, 58 seconds (12 files ahead in queue)

Submission file has been received by the VINAH Processing System and is in a queue to be processed. Once the operation completes, reports will be generated outlining any errors, and indicating if batches or messages have been accepted. These reports will be returned via the HealthCollect Portal. If you do not receive any reports within 24 hours, please contact the HDSS Helpdesk.
File submission acceptance and validation report


Purpose: The main control report used to manage the VINAH lifecycle. Returned for all submissions, this report is designed for use by the software which generated the HL7 submission file. The acceptance flags in the report allow the sending software to know if VINAH has accepted a message.

For more information see Section 5b - VINAH transaction implementation guide.

Report Contents: An XML data structure consisting of file and processing metadata, validation messages (if any) and batch/message acceptance flags.

Report Name: The report will be named exactly the same as the request file, with an additional extension of ‘.xml’.

Period Covered: Immediate VINAH submission.

Report Parameters: None.

Report Sequence: The validation messages (if any) are sorted in the order in which they were triggered. The acceptance details are ordered by the order in which the batches and messages were included in the submission file.

Fields Reported: Listed in Figure 5A – File Submission Acceptance & Validation Report XML Schema.
Figure 2: File submission acceptance and validation report – validations node
Figure 1: File submission acceptance and validation report – submission node
Figure 3: File submission acceptance and validation report – validations totals node

- **total_validation_events**
  The total number of validation events that occurred during the processing.

- **validation_totals**
  The root element grouping the validation total summary.

- **validation_total**
  The parent element for a validation total instance.

- **edit_code**
  See Data Element Definition: File Validation Event Code.

- **edit_text**
  The template message (parameters unfilled) of the validation being summarized.

- **count_of_validation_events**
  The number of times the validation code was triggered.
Figure 4: File submission acceptance and validation report – acceptance node
Figure 5a: File submission acceptance and validation report – sample output – submission with no validation events

```xml
<submission>
  <filename>ABC_20080701_0001.hl7</filename>
  <original_source>1000001</original_source>
  <current_source>1</current_source>
  <hl7_batch_count>2</hl7_batch_count>
  <hl7_message_count>4</hl7_message_count>
  <filesize>13563</filesize>
  <user_id>abc123</user_id>
  <health_service>ABC</health_service>
  <submission_date>2008-07-11T12:57:00</submission_date>
  <process_start_date>2008-07-11T12:57:00</process_start_date>
  <process_end_date>2008-07-11T12:57:00</process_end_date>
  <processing_time>5 seconds</processing_time>
  <processing_wait>1 minute, 21 seconds</processing_wait>
  <throughput>2-2.2 seconds per message</throughput>
  <purge_key>B1D54DA8-12D2-4E45-8846-91E35B1AE01</purge_key>
  <purged_after_load>0</purged_after_load>
  <validations>
    <sub_id>1000394</sub_id>
    <validations>
      <validations_total>
        <total_validation_events>0</total_validation_events>
        <validation_totals>
          <sub_id>1000394</sub_id>
          <acceptance>
            <batch_count>1</batch_count>
            <batch>
              <sub_id>1000001</sub_id>
              <sub_batch_id>346576</sub_batch_id>
              <batch_no>1</batch_no>
              <bcid>1001</bcid>
              <accepted>1</accepted>
              <event_date>12D2-17T12:57:00</event_date>
            </batch>
            <batch>
              <sub_id>1000002</sub_id>
              <sub_batch_id>346577</sub_batch_id>
              <batch_no>2</batch_no>
              <bcid>10002</bcid>
              <accepted>1</accepted>
              <event_date>12D2-17T12:57:00</event_date>
            </batch>
          </validation_totals>
        </validations_total>
      </validation_totals>
    </validations>
  </validations>
</submission>
```
**Figure 5b: File submission acceptance and validation report – sample output – submission with a validation event**

```xml
<submission>
  <filename>ABC_20080701_0001.N7</filename>
  <sub_id>10000001</sub_id>
  <original_source>1000001x</original_source>
  <current_source>1</current_source>
  <hl7_batch_count>2</hl7_batch_count>
  <hl7_message_count>4</hl7_message_count>
  <filesize>13566</filesize>
  <user_id>jdoe00101</user_id>
  <health_service>ABC/health_service</health_service>
  <submission_date>2008-07-17T12:57:00</submission_date>
  <process_start_date>2008-07-18T07:00:00</process_start_date>
  <process_end_date>2008-07-18T07:00:05.053</process_end_date>
  <processing_time>5 seconds</processing_time>
  <processing_wait>1 minute, 21 seconds</processing_wait>
  <throughput>2.2 seconds per message</throughput>
  <purge_key>B1D54D48-1202-4E46-8996-91B59B1AE0C1</purge_key>
  <purged_after_load>0</purged_after_load>
  <validations>
    <validation>
      <val_event_id>454421</val_event_id>
      <sub_id>1000394</sub_id>
      <mcid>ABC_20080701_0001_0001</mcid>
      <edit_code>E001</edit_code>
      <edit_text>Data Element 'Episode Program/Stream' is mandatory, but no value was supplied</edit_text>
      <identifiers>ABC0123</identifiers>
      <identifier_type>Episode Identifiers</identifier_type>
      <val_event_date>2008-07-18T09:37:58:453</val_event_date>
      <cascading>0</cascading>
    </validation>
    <validation>
      <val_event_id>454443</val_event_id>
      <sub_id>1000394</sub_id>
      <mcid>ABC_20080701_0001_0002</mcid>
      <edit_code>E002</edit_code>
      <edit_text>A css message (ADT_A03) has been sent containing a reference to a "episode" record that has not been previously received and accepted. Key fields: (Dependant MCID=ABC_20080701_0001_0001)</edit_text>
      <identifiers>ABC0123</identifiers>
      <identifier_type>Message Control Identifiers</identifier_type>
      <val_event_date>2008-07-18T09:46:42:233</val_event_date>
      <cascading>1</cascading>
    </validation>
    <validation>
      <val_event_id>5</val_event_id>
      <sub_id>1000394</sub_id>
      <mcid>ABC_20080701_0001_0003</mcid>
      <edit_code>EE92</edit_code>
      <edit_text>Data Element 'Episode Identifiers' is mandatory, but no value was supplied</edit_text>
      <identifiers>ABC0123</identifiers>
      <identifier_type>Episode Identifiers</identifier_type>
      <val_event_date>2008-07-18T09:47:08:453</val_event_date>
      <cascading>1</cascading>
    </validation>
    <validation_totals>
      <total_validation_events>28</total_validation_events>
      <validation_total>
        <edit_code>E002</edit_code>
        <edit_text>A css message (ADT_A03) has been sent containing a reference to a "episode" record that has not been previously received and accepted. Key fields: (Dependant MCID=ABC_20080701_0001_0001)</edit_text>
      </validation_total>
      <validation_total>
        <edit_code>E001</edit_code>
        <edit_text>Data Element 'Episode Identifiers' is mandatory, but no value was supplied</edit_text>
      </validation_total>
    </validation_totals>
    <acceptances>
      <sub_id>10000001</sub_id>
      <batch_count>1</batch_count>
      <batch>
        <sub_batch_id>346576</sub_batch_id>
        <batch_no>1</batch_no>
        <batch_date>10001</batch_date>
        <accepted>0</accepted>
        <valid_hl7>1</valid_hl7>
        <corrupt>0</corrupt>
        <message_count>2</message_count>
        <messages_rejected>0</messages_rejected>
        <message>
          <sub_batch_id>101048538</sub_batch_id>
          <msg_batch_seq_no>1</msg_batch_seq_no>
          <mcid>ABC_20080701_0001_0001</mcid>
          <msg_type>ADT_A03</msg_type>
          <ok_hl7>1</ok_hl7>
          <ok_convert>1</ok_convert>
          <ok_id>1</ok_id>
          <implied_context>Patient Identifier: PABC0123</implied_context>
          <patient_identifier>PABC0123</patient_identifier>
          <event_date>2008-07-17T12:52:42</event_date>
        </message>
      </batch>
    </acceptances>
  </validations>
</submission>
```