

Section 7: Validation Reports

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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 for the VINAH Manual documents the controls reports including their contents, layout and use.

Control Reports

The control reports returned from VINAH are listed below:

File Receipt Acknowledgement Report (Text)

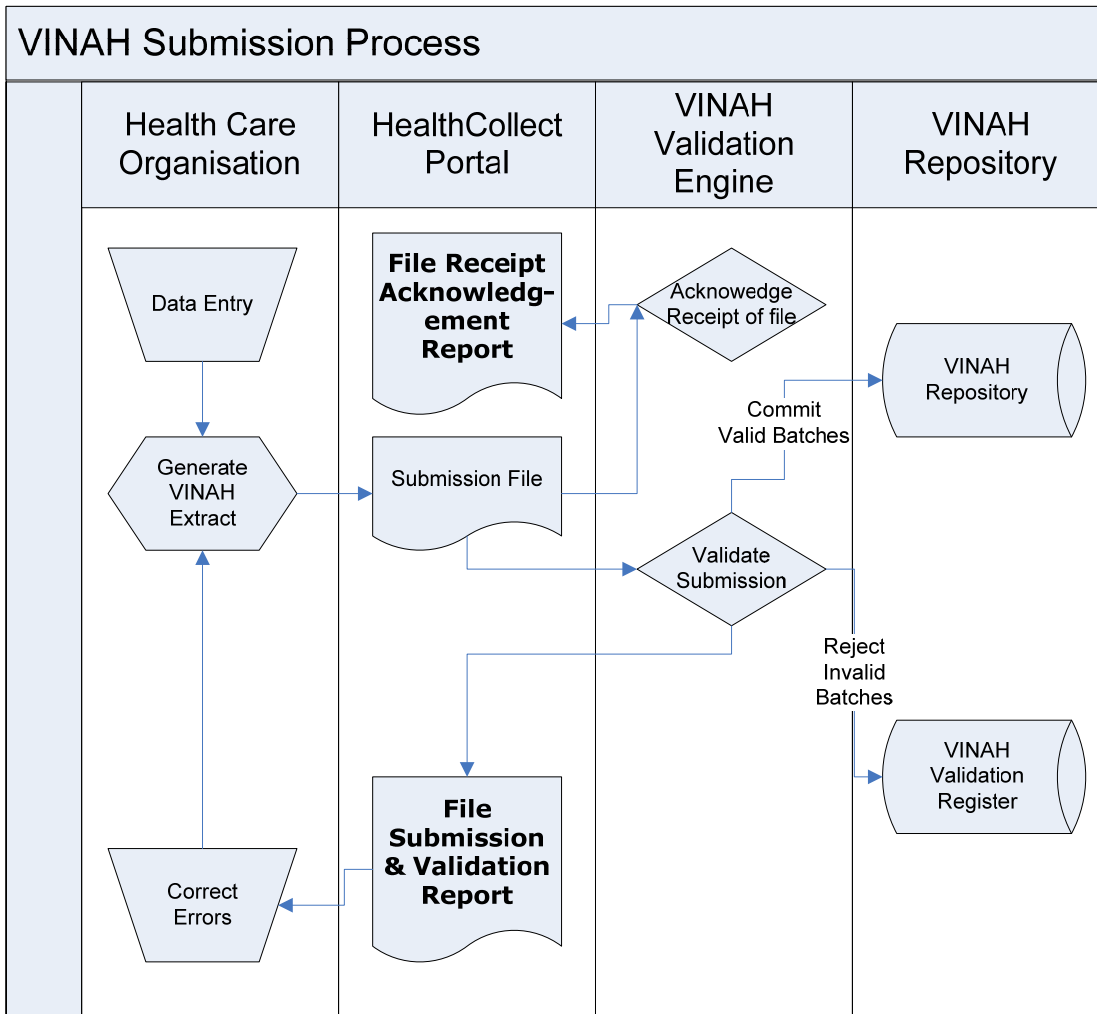
Acknowledges receipt of a file by the VINAH repository. Returned for all submissions

File Submission & Validation Report (XML)

The main control report used to manage the VINAH lifecycle. Returned for all submissions.

File Submission & Validation Report (HTML)

Lists all submission made by all users by an Organisation. The user requesting the report must be authorised to submit data for that Organisation. Refer to Section 3: File Processing Directive



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 report contents 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:	<u>Content/Element</u>	<u>Data Element Name</u>
	(System Message)	A variable message from the VINAH system indicating any information that may affect the normal processing of submissions.
	(Header)	<i>"Department of Health - VINAH - Submission Receipt"</i>
	Environment	The type of system that processed the file
	Filename	File Name
	Uploaded On	File Submission Date/Time
	Received On	The Date/Time the file was received by the VINAH repository from the HealthCollect Portal
	Username	File Submission User ID
	HL7 Batches	File HL7 Batch Count
	HL7 Messages	File HL7 Message Count
	Size (bytes)	File Size
	Est. Job Run	A variable string indicating the amount of time the VINAH Repository is predicted to take to perform processing.
	Queue Wait:	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.

Figure 1: File Receipt Acknowledgement Sample Output

*** INFORMATION NOTICE TO VINAH SUBMITTERS - 2010-07-19 - ***

VINAH PROCESSING SYSTEM IS CURRENTLY OFFLINE FOR ANNUAL CHANGES AND UPGRADES. THE SYSTEM IS EXPECTED TO BE BACK ONLINE ON WED 21st of JULY 2010 at 10AM.
Submission Files can be uploaded and will be acknowledged and placed in the queue but will not be processed until this date.

*** END OF NOTICE ***

Department of Health - VINAH - Submission Receipt

Environment: live
Filename: VDMO_20100721091602_001.hl7
Uploaded on: 2010-07-21 09:15:24
Received on: 2010-07-21 09:16:00
Username: VINAHdmo
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 & Validation Report

File Processing Directive: None – Automatically Returned

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 allows the sending software to know if VINAH has accepted a message. For more information see *Section 5- 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 validations 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 Appendix A – File Submission Acceptance & Validation Report XML Schema (VINAH_Section7_File_Submission_Acceptance_Validation_Report.xsd)*

Figure 1: File Submission Acceptance & Validation Report – Submission Node

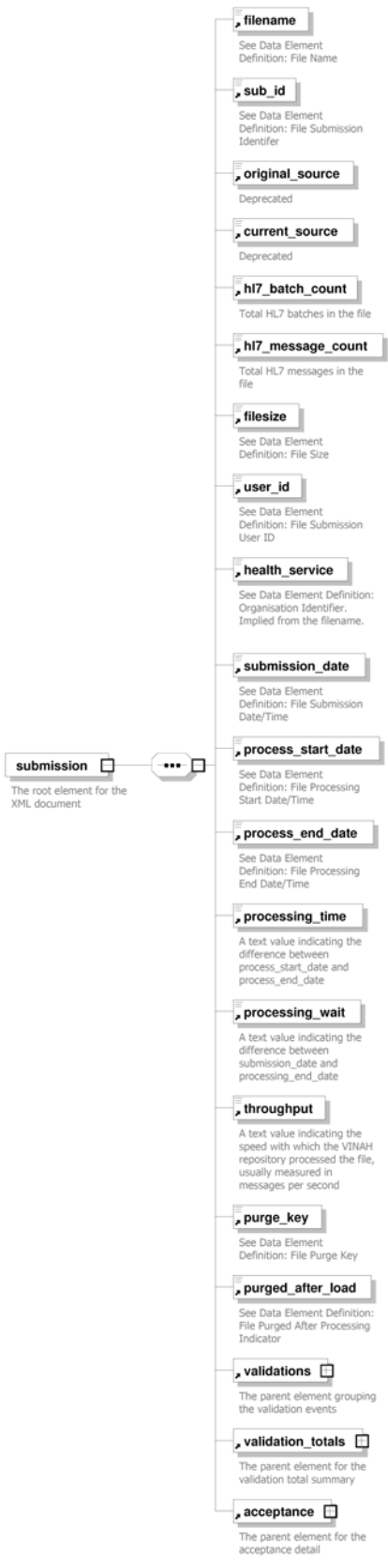


Figure 2: File Submission Acceptance & Validation Report – Validations Node

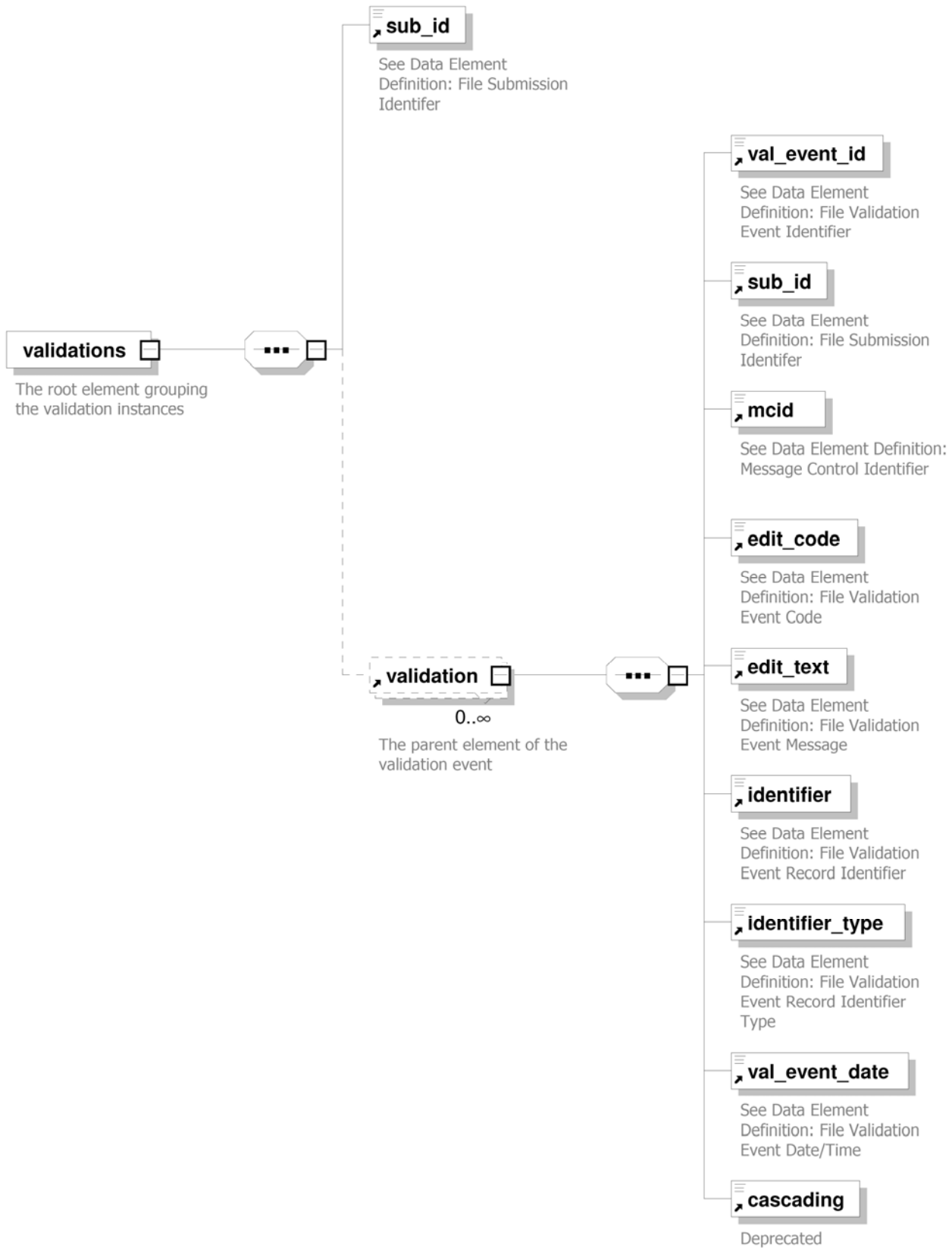


Figure 3: File Submission Acceptance & Validation Report – Validations Totals Node

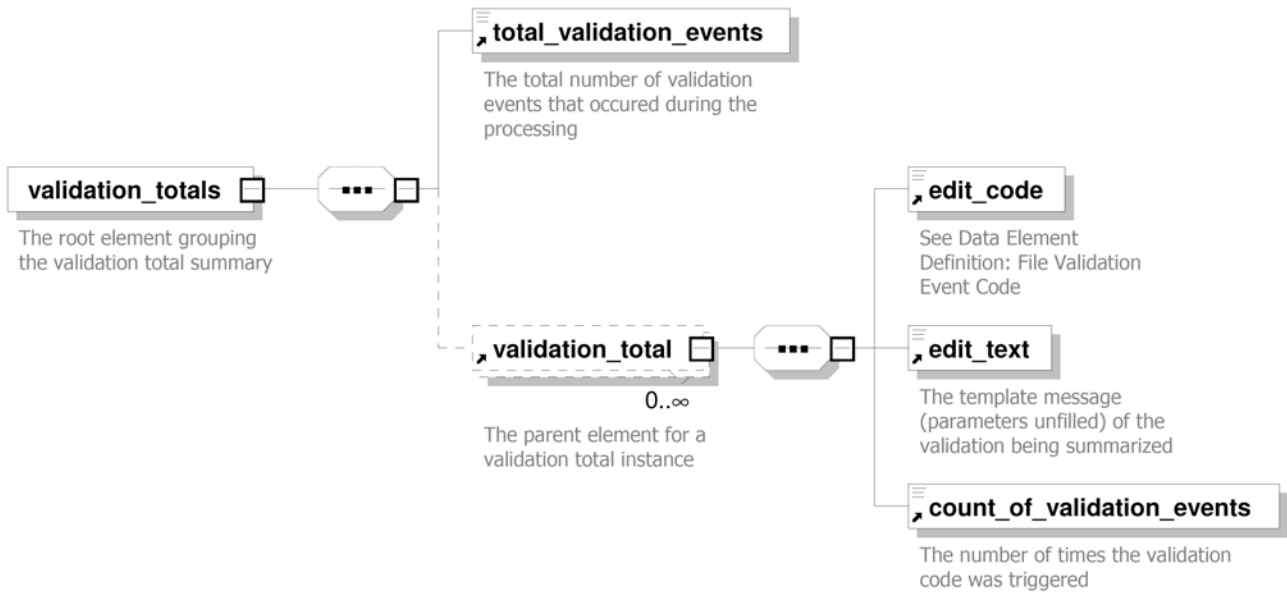


Figure 4: File Submission Acceptance & Validation Report – Acceptance Node

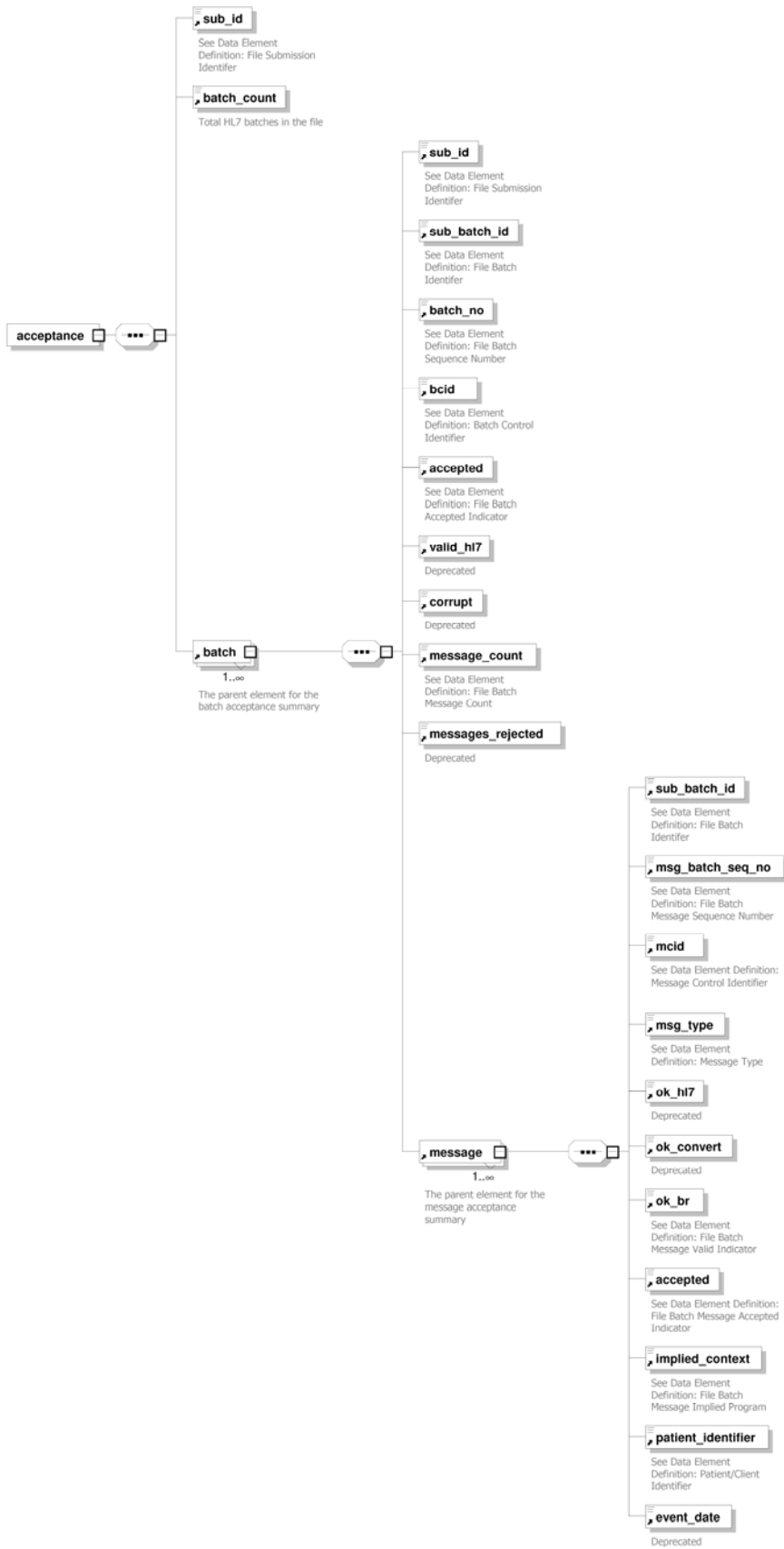


Figure 5: File Submission Acceptance & Validation Report – Sample Output – Submission with no Validation Events

```

<submission>
  <filename>ABC_20080701_0001.hi7</filename>
  <sub_id>1000001</sub_id>
  <original_source>1000001</original_source>
  <current_source>1</current_source>
  <hi7_batch_count>2</hi7_batch_count>
  <hi7_message_count>4</hi7_message_count>
  <filesize>13563</filesize>
  <user_id>jdoe0101</user_id>
  <health_service>ABC</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>B1D54D48-12D2-4E45-B9A6-91B35B1AEC01</purge_key>
  <purged_after_load>0</purged_after_load>
  <validations>
    <sub_id>1000394</sub_id>
  </validations>
  <validation_totals>
    <total_validation_events>0</total_validation_events>
  </validation_totals>
  <acceptance>
    <sub_id>1000394</sub_id>
    <batch_count>1</batch_count>
    <batch>
      <sub_id>1000001</sub_id>
      <sub_batch_id>346576</sub_batch_id>
      <batch_no>1</batch_no>
      <bcid>10001</bcid>
      <accepted>0</accepted>
      <valid_hi7>1</valid_hi7>
      <corrupt>0</corrupt>
      <message_count>2</message_count>
      <messages_rejected>0</messages_rejected>
      <message>
        <sub_batch_id>101049538</sub_batch_id>
        <msg_batch_seq_no>1</msg_batch_seq_no>
        <mcid>ABC_20080701_0001_0001</mcid>
        <msg_type>PPP_PCB</msg_type>
        <ok_hi7>1</ok_hi7>
        <ok_convert>1</ok_convert>
        <ok_br>0</ok_br>
        <accepted>0</accepted>
        <implied_context>PC</implied_context>
        <patient_identifier>PABC0123</patient_identifier>
        <event_date>2008-07-17T12:52:42</event_date>
      </message>
      <sub_batch_id>101049538</sub_batch_id>
      <msg_batch_seq_no>1</msg_batch_seq_no>
      <mcid>ABC_20080701_0001_0002</mcid>
      <msg_type>ADT_A03</msg_type>
      <ok_hi7>1</ok_hi7>
      <ok_convert>1</ok_convert>
      <ok_br>0</ok_br>
      <accepted>0</accepted>
      <implied_context>PC</implied_context>
      <patient_identifier>PABC0123</patient_identifier>
      <event_date>2008-07-17T12:52:42</event_date>
    </message>
    </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>
    <valid_hi7>1</valid_hi7>
    <corrupt>0</corrupt>
    <message_count>2</message_count>
    <messages_rejected>0</messages_rejected>
    <message>
      <sub_batch_id>101049539</sub_batch_id>
      <msg_batch_seq_no>1</msg_batch_seq_no>
      <mcid>ABC_20080701_0002_0001</mcid>
      <msg_type>ADT_A04</msg_type>
      <ok_hi7>1</ok_hi7>
      <ok_convert>1</ok_convert>
      <ok_br>1</ok_br>
      <accepted>1</accepted>
      <implied_context>NEUTRAL</implied_context>
      <patient_identifier>PABC0124</patient_identifier>
      <event_date>2008-07-17T12:52:42</event_date>
    </message>
    <sub_batch_id>101049539</sub_batch_id>
    <msg_batch_seq_no>1</msg_batch_seq_no>
    <mcid>ABC_20080701_0002_0002</mcid>
    <msg_type>PPP_PCB</msg_type>
    <ok_hi7>1</ok_hi7>
    <ok_convert>1</ok_convert>
    <ok_br>1</ok_br>
    <accepted>1</accepted>
    <implied_context>SACS</implied_context>
    <patient_identifier>PABC0124</patient_identifier>
    <event_date>2008-07-17T12:52:42</event_date>
  </message>
</batch>

```

</submission> </acceptance>

Figure 5: File Submission Acceptance & Validation Report – Sample Output – Submission with a Validation Event

```

<submission>
  <filename>ABC_20080701_0001.hl7</filename>
  <sub_id>1000001</sub_id>
  <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>jd0e0101</user_id>
  <health_service>ABC</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>B1D54D48-12D2-4E45-B9A6-91B35B1AEC01</purge_key>
  <purged_after_load>0</purged_after_load>
  <validations>
    <sub_id>1000394</sub_id>
    <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>
      <identifier>ABC0123</identifier>
      <identifier_type>Episode Identifier</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>E052</edit_code>
      <edit_text>A ccse 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>
      <identifier>ABC_20080701_0001_0002</identifier>
      <identifier_type>Message Control Identifier</identifier_type>
      <val_event_date>2008-07-18T09:46:42.233</val_event_date>
      <cascading>1</cascading>
    </validation>
  </validations>
  <validation_totals>
    <total_validation_events>28</total_validation_events>
    <validation_total>
      <edit_code>E052</edit_code>
      <edit_text>A {pk_structure} message ({hl7_message}) has been sent containing a reference to a "{fk_structure}" record that has not been previously
received and accepted. Key fields: {fk_expanded}</edit_text>
      <count_of_validation_events>1</count_of_validation_events>
    </validation_total>
    <validation_total>
      <edit_code>E001</edit_code>
      <edit_text>Data Element '<FieldName>' is mandatory, but no value was supplied</edit_text>
      <count_of_validation_events>1</count_of_validation_events>
    </validation_total>
  </validation_totals>
  <acceptance>
    <sub_id>1000394</sub_id>
    <batch_count>1</batch_count>
    <batch>
      <sub_id>1000001</sub_id>
      <sub_batch_id>346576</sub_batch_id>
      <batch_no>1</batch_no>
      <bcid>10001</bcid>
      <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>101049538</sub_batch_id>
        <msg_batch_seq_no>1</msg_batch_seq_no>
        <mcid>ABC_20080701_0001_0001</mcid>
        <msg_type>PPP_PCB</msg_type>
        <ok hl7>1</ok hl7>
        <ok_convert>1</ok_convert>
        <ok_br>0</ok_br>
        <accepted>0</accepted>
        <implied_context>PC</implied_context>
        <patient_identifier>PABC0123</patient_identifier>
        <event_date>2008-07-17T12:52:42</event_date>
      </message>
      <message>
        <sub_batch_id>101049538</sub_batch_id>
        <msg_batch_seq_no>1</msg_batch_seq_no>
        <mcid>ABC_20080701_0001_0002</mcid>
        <msg_type>ADT_A03</msg_type>
        <ok hl7>1</ok hl7>
        <ok_convert>1</ok_convert>
        <ok_br>0</ok_br>
      </message>
    </batch>
  </acceptance>

```

```

                <accepted>0</accepted>
                <implied_context>PC</implied_context>
                <patient_identifier>PABC0123</patient_identifier>
                <event_date>2008-07-17T12:52:42</event_date>
            </message>
        </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>
    <valid_hi7>1</valid_hi7>
    <corrupt>0</corrupt>
    <message_count>2</message_count>
    <messages_rejected>0</messages_rejected>
    <message>
        <sub_batch_id>101049539</sub_batch_id>
        <msg_batch_seq_no>1</msg_batch_seq_no>
        <mcid>ABC_20080701_0002_0001</mcid>
        <msg_type>ADT_A04</msg_type>
        <ok_hi7>1</ok_hi7>
        <ok_convert>1</ok_convert>
        <ok_br>1</ok_br>
        <accepted>1</accepted>
        <implied_context>NEUTRAL</implied_context>
        <patient_identifier>PABC0124</patient_identifier>
        <event_date>2008-07-17T12:52:42</event_date>
    </message>
    <message>
        <sub_batch_id>101049539</sub_batch_id>
        <msg_batch_seq_no>1</msg_batch_seq_no>
        <mcid>ABC_20080701_0002_0002</mcid>
        <msg_type>PPP_PCB</msg_type>
        <ok_hi7>1</ok_hi7>
        <ok_convert>1</ok_convert>
        <ok_br>1</ok_br>
        <accepted>1</accepted>
        <implied_context>SACS</implied_context>
        <patient_identifier>PABC0124</patient_identifier>
        <event_date>2008-07-17T12:52:42</event_date>
    </message>
</batch>
</acceptance>
</submission>

```

File Submission Acceptance & Validation Report - HTML

File Processing Directive: HTMLReport=True

Purpose: For use by users who are extracting data from systems that do not automatically process the XML File Submission Acceptance & Validation report.

Report Contents: Returns a HTML-formatted version of the File Submission Acceptance & Validation report.

The file will be come unwieldy and possibly unusable where large amounts of data are contained in it, namely where many validation events have been triggered. The report will not be generated where the number of HL7 messages is the file greater than 30,000.

Report Name: The report will be named exactly the same as the HL7 submission file, with an extension representing the type of report – '.htm'

Period Covered: Immediate VINAH Submission

Report Parameters: None

Report Contents: This report is undocumented and its use is not recommended. Requiring users to manually process acceptance flags is unsustainable and is strongly discouraged. This option should not be used by software vendors implementing VINAH.