



**Mass HIway**  
**Massachusetts Health Information Highway**  
**Statewide Health Information Exchange**

# **Differences in MCR Node Responses in Clinical Gateway for Version 1.0 and 2.0**

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The Mass HIway is operated by the Commonwealth of Massachusetts' Executive Office of Health and Human Services (EOHHS). For more information visit [www.masshiway.net](http://www.masshiway.net).

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## ***Introduction***

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In January 2018, the Commonwealth decided to upgrade its operations to Hlway 2.0, which entails the incorporation of the latest standards in the industry. With this in mind, the Clinical nodes, which help our DPH bureaus' providers to communicate to their backend systems, have been upgraded to cater to the latest standards. Certain improvements have also been made to the code for each of the nodes and they are outlined below.

Listed in the following sections are the differences between MCR Clinical Gateway Node Version 1.0 & Version 2.0 responses.

Note: The following convention is used in this document to improve readability:

- The actual text that appears in the responses is in regular Arial font and in some cases part of the text is highlighted in **Bold** for business/human friendly readability.
- In order to give additional clarity for the scenarios listed, we provided text in *Purple*, formatted to *Italic* and underlined to provide additional information about the outcome. In the example below, the following text is not a response from the clinical node, but it is provided for additional information:
  - *There is no file naming convention*

## Clinical Gateway Node: MCR

### For Webmail / HISP User (SMIME)

The table below lists the comparison between the Hlway 1.0 and Hlway 2.0 differences with the CG Ver 1.0 and Ver 2.0 messages for various scenarios.

Scenario	In CG Ver. 1.0 this is the Response Message	In CG Ver. 2.0 this is the Response Message
When we attach a payload file to the message	File Name should start with MCR_	<u><i>There is no file naming convention</i></u>
When the message contains empty payload (attachment with no data/ content in the payload)	No attachments found with your message submission. Please resend with your information as an attachment. Also please make sure the attachment is prefixed with 'MCR_'	<u><i>We don't get any response.</i></u>
When the message contains multiple payloads	Please attach Only one file with each submission. Please resend your information with one attachment.	Application does not support multiple payloads
When the message contains empty payload (No attachment)	No attachments found with your message submission. Please resend with your information as an attachment. Also please make sure the attachment is prefixed with 'MCR_'	<u><i>We don't get any response.</i></u>
When a success or failure response is received from MCR application	File Received by the Application, it will be processed in the order it was received.	The message has been submitted successfully to the MCR application.
When validating Cancer registry CDA Payload that is invalid.	<u><i>CDA Payload validation is not there in CG 1.0</i></u>	The document is not a valid Cancer Event Report.
When the sender's domain is not authorized or cannot be authorized	<soapenv:Fault xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope"> <soapenv:Code> <soapenv:Value>CG103</soapenv:Value> <soapenv:Subcode> <soapenv:Value>Organization not Authorized.</soapenv:Value> </soapenv:Subcode> </soapenv:Code> <soapenv:Reason> <soapenv:Text> <b>Organization is</b>	Organization is not Authorized

	<pre> <b>not authorized. Please contact Customer Service.</b>&lt;/soapenv:Text&gt; &lt;/soapenv:Reason&gt;   &lt;soapenv:Node&gt;Direct Gateway&lt;/soapenv:Node&gt;   &lt;soapenv:Detail&gt; &lt;urn:DocumentRepository_ProvideAndRegisterDocumentSet-bFault xmlns:urn="urn:ihe:iti:xds-b:2007"&gt;   &lt;urn:payload&gt;<b>Please Contact Mass HiWay Customer Service</b>&lt;/urn:payload&gt; &lt;/urn:DocumentRepository_ProvideAndRegisterDocumentSet-bFault&gt;   &lt;/soapenv:Detail&gt; &lt;/soapenv:Fault&gt; </pre>	
<p>When the message could not be delivered to the MCR application</p>	<pre> &lt;soapenv:Fault xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope"&gt;   &lt;soapenv:Code&gt; &lt;soapenv:Value&gt;CG201&lt;/soapenv:Value&gt;   &lt;soapenv:Subcode&gt; &lt;soapenv:Value&gt;Timeout&lt;/soapenv:Value&gt;   &lt;/soapenv:Subcode&gt; &lt;/soapenv:Code&gt;   &lt;soapenv:Reason&gt;   &lt;soapenv:Text&gt;<b>Backend service is not available, Please Contact Customer service</b>&lt;/soapenv:Text&gt;   &lt;/soapenv:Reason&gt; &lt;soapenv:Node&gt;MCR&lt;/soapenv:Node&gt;   &lt;soapenv:Detail&gt; &lt;urn:DocumentRepository_ProvideAndRegisterDocumentSet-bFault xmlns:urn="urn:ihe:iti:xds-b:2007"&gt;   &lt;urn:payload&gt;<b>Backend service is not available, Please Contact Customer service</b>&lt;/urn:payload&gt; &lt;/urn:DocumentRepository_ProvideAndRegisterDocumentSet-bFault&gt;   &lt;/soapenv:Detail&gt; &lt;/soapenv:Fault&gt; </pre>	<p>Failed to process the request, please contact Mass Hiway Customer Service</p>
<p>When the message could not be delivered to the MCR application</p>	<pre> &lt;soapenv:Fault xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope"&gt; </pre>	<p><u><i>We don't get any response.</i></u></p>

```
<soapenv:Code>
<soapenv:Value>CG201</soapenv:Value>
  <soapenv:Subcode>
<soapenv:Value>Timeout</soapenv:Value>
  </soapenv:Subcode>
</soapenv:Code>
<soapenv:Reason>
  <soapenv:Text>Backend service is not available, Please Contact Customer service</soapenv:Text>
</soapenv:Reason>
<soapenv:Node>MCR</soapenv:Node>
  <soapenv:Detail>
<urn:DocumentRepository_ProvideAndRegisterDocumentSet-bFault xmlns:urn="urn:ihe:iti:xds-b:2007">
  <urn:payload>Backend service is not available, Please Contact Customer service</urn:payload>
</urn:DocumentRepository_ProvideAndRegisterDocumentSet-bFault>
  </soapenv:Detail>
</soapenv:Fault>
```

## LAND & XDR Users

The table below lists the comparison between the Hiway 1.0 and Hiway 2.0 differences with the CG Ver 1.0 and CG Ver 2.0 messages for various scenarios.

Scenario	In CG Ver. 1.0 this is the Response Message	In CG Ver. 2.0 this is the Response Message
When the message contains empty payload (No data\content)	Payload is missing or empty	<i><u>File will not be picked up from folder.</u></i>
When the message contains multiple payloads	Please attach Only one file with each submission. Please resend your information with one attachment.	Application does not support multiple payloads
When a success or failure response is received from MCR application	File Received by the Application, it will be processed in the order it was received.	The message has been submitted successfully to the MCR application
When validating Cancer registry CDA Payload that is invalid.	CDA Payload validation is not there in CG 1.0	The document is not a valid Cancer Event Report
When the sender's domain is not authorized or cannot be authorized	<pre> &lt;soapenv:Fault xmlns:soapenv="http://www.w3.org /2003/05/soap-envelope"&gt;   &lt;soapenv:Code&gt; &lt;soapenv:Value&gt;CG103&lt;/soapenv :Value&gt; &lt;soapenv:Subcode&gt; &lt;soapenv:Value&gt;Organization not Authorized.&lt;/soapenv:Value&gt;   &lt;/soapenv:Subcode&gt; &lt;/soapenv:Code&gt;   &lt;soapenv:Reason&gt; &lt;soapenv:Text&gt;<b>Organization is not authorized. Please contact Customer Service.</b>&lt;/soapenv:Text&gt;   &lt;/soapenv:Reason&gt;   &lt;soapenv:Node&gt;Direct Gateway&lt;/soapenv:Node&gt;   &lt;soapenv:Detail&gt; &lt;urn:DocumentRepository_Provide AndRegisterDocumentSet-bFault xmlns:urn="urn:ihe:iti:xds-b:2007"&gt;   &lt;urn:payload&gt;<b>Please Contact Mass HiWay Customer Service</b>&lt;/urn:payload&gt; </pre>	Organization is not Authorized

	<pre>&lt;/urn:DocumentRepository_ProvideAndRegisterDocumentSet-bFault&gt;   &lt;/soapenv:Detail&gt; &lt;/soapenv:Fault&gt;</pre>	
<p>When the message could not be delivered to the MCR application</p>	<pre>&lt;soapenv:Fault xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope"&gt;   &lt;soapenv:Code&gt; &lt;soapenv:Value&gt;CG201&lt;/soapenv:Value&gt;   &lt;soapenv:Subcode&gt; &lt;soapenv:Value&gt;Timeout&lt;/soapenv:Value&gt;   &lt;/soapenv:Subcode&gt; &lt;/soapenv:Code&gt;   &lt;soapenv:Reason&gt;   &lt;soapenv:Text&gt;<b>Backend service is not available, Please Contact Customer service</b>&lt;/soapenv:Text&gt;   &lt;/soapenv:Reason&gt; &lt;soapenv:Node&gt;MCR&lt;/soapenv:Node&gt;   &lt;soapenv:Detail&gt; &lt;urn:DocumentRepository_ProvideAndRegisterDocumentSet-bFault xmlns:urn="urn:ihe:iti:xds-b:2007"&gt;   &lt;urn:payload&gt;<b>Backend service is not available, Please Contact Customer service</b>&lt;/urn:payload&gt; &lt;/urn:DocumentRepository_ProvideAndRegisterDocumentSet-bFault&gt;   &lt;/soapenv:Detail&gt; &lt;/soapenv:Fault&gt;</pre>	<p>Failed to process the request, please contact Mass Hiway Customer Service</p>
<p>When the message could not be delivered to the MCR application</p>	<pre>&lt;soapenv:Fault xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope"&gt;   &lt;soapenv:Code&gt; &lt;soapenv:Value&gt;CG201&lt;/soapenv:Value&gt;   &lt;soapenv:Subcode&gt; &lt;soapenv:Value&gt;Timeout&lt;/soapenv:Value&gt;   &lt;/soapenv:Subcode&gt; &lt;/soapenv:Code&gt;   &lt;soapenv:Reason&gt;   &lt;soapenv:Text&gt;<b>Backend service is not available, Please Contact Customer service</b>&lt;/soapenv:Text&gt;   &lt;/soapenv:Reason&gt; &lt;soapenv:Node&gt;MCR&lt;/soapenv:Node&gt;   &lt;soapenv:Detail&gt;</pre>	<p><u><i>We don't get any response.</i></u></p>



	<pre>&lt;urn:DocumentRepository_Provide AndRegisterDocumentSet-bFault xmlns:urn="urn:ihe:iti:xds-b:2007"&gt;   &lt;urn:payload&gt;<b>Backend service is not available, Please Contact Customer service</b>&lt;/urn:payload&gt; &lt;/urn:DocumentRepository_Provid eAndRegisterDocumentSet- bFault&gt;   &lt;/soapenv:Detail&gt; &lt;/soapenv:Fault&gt;</pre>	
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