



Mass HIway
Massachusetts Health Information Highway
Statewide Health Information Exchange

Differences in eReferral Node Responses in Clinical Gateway for Version 1.0 and 2.0



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.

Table of Contents

Introduction 3

Clinical Gateway Node: eReferral 4

 For Webmail / HISP User (SMIME)..... 4

 LAND & XDR Users..... 6

Introduction

In January 2018, the Commonwealth decided to upgrade its operations to HIway 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 eReferral 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.
- 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: eReferral

For Webmail / HISP User (SMIME)

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

Scenario	In Ver. 1.0 this is the Response Message	In Ver. 2.0 this is the Response Message
When the message contains empty payload (attachment with no data/ content in the payload)	Message/Payload is missing or empty	<u>No Response sent back</u>
When the message contains multiple payloads	<u>No response sent back</u>	Application does not support multiple payloads
When the sender's domain is not authorized or cannot be authorized	<pre><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>Organization is not authorized. Please contact Customer Service. </soapenv:Text> </soapenv:Reason> <soapenv:Node>Direct Gateway</soapenv:Node> <soapenv:Detail> <urn:DocumentRepository_Provide AndRegisterDocumentSet-bFault xmlns:urn="urn:ihe:iti:xds-b:2007"> <urn:payload>Please Contact Mass HiWay Customer Service</urn:payload> </urn:DocumentRepository_Provid eAndRegisterDocumentSet- bFault> </soapenv:Detail> </soapenv:Fault></pre>	Organization is not Authorized

<p>When the message could not be delivered to the eReferral application</p>	<pre><soapenv:Fault xmlns:soapenv="http://www.w3.org /2003/05/soap-envelope"> <soapenv:Code> <soapenv:Value>CG201</soapenv :Value> <soapenv:Subcode> <soapenv:Value>Timeout</soape n:Value> </soapenv:Subcode> </soapenv:Code> <soapenv:Reason> <soapenv:Text>Backend service is not available, Please Contact Customer service</soapenv:Text> </soapenv:Reason> <soapenv:Node>eReferral</soape n:Node> <soapenv:Detail> <urn:DocumentRepository_Provide AndRegisterDocumentSet-bFault xmlns:urn="urn:ihe:iti:xds-b:2007"> <urn:payload>Backend service is not available, Please Contact Customer service</urn:payload> </urn:DocumentRepository_Provid eAndRegisterDocumentSet- bFault> </soapenv:Detail> </soapenv:Fault></pre>	<p>Failed to process the request, please contact Mass Hiway Customer Service.</p>
<p>When the message could not be delivered to the eReferral application</p>	<pre><soapenv:Fault xmlns:soapenv="http://www.w3.org /2003/05/soap-envelope"> <soapenv:Code> <soapenv:Value>CG201</soapenv :Value> <soapenv:Subcode> <soapenv:Value>Timeout</soape n:Value> </soapenv:Subcode> </soapenv:Code> <soapenv:Reason> <soapenv:Text>Backend service is not available, Please Contact Customer service</soapenv:Text> </soapenv:Reason> <soapenv:Node>eReferral</soape n:Node></pre>	<p><u><i>No Response sent back</i></u></p>

	<pre> <soapenv:Detail> <urn:DocumentRepository_Provide AndRegisterDocumentSet-bFault xmlns:urn="urn:ihe:iti:xds-b:2007"> <urn:payload>Backend service is not available, Please Contact Customer service</urn:payload> </urn:DocumentRepository_Provid eAndRegisterDocumentSet- bFault> </soapenv:Detail> </soapenv:Fault> </pre>	
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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 Ver 2.0 messages for various scenarios.

Scenario	In Ver. 1.0 this is the Response Message	In Ver. 2.0 this is the Response Message
When the message contains empty payload (LAND folder drop-No Data/content in file)	<u>Same in CG 1.0 & CG 2.0 (File will not be picked up from folder).</u>	<u>Same in CG 1.0 & CG 2.0 (File will not be picked up from folder.)</u>
When the message contains multiple payloads	Multiple payloads scenario is not handled, as we are sending all the document tags to the backend.	Application does not support multiple payloads
When the message contains empty payload (XDR Msg from EMR system-No Data/content in Document tag/Document tag is missing)	Message/Payload is missing or empty	<u>No Response sent back</u>
When the sender's domain is not authorized or cannot be authorized	<pre> <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> </pre>	Organization is not Authorized

	<pre> </soapenv:Subcode> </soapenv:Code> <soapenv:Reason> <soapenv:Text>Organization is not authorized. Please contact Customer Service.</soapenv:Text> </soapenv:Reason> <soapenv:Node>Direct Gateway</soapenv:Node> <soapenv:Detail> <urn:DocumentRepository_Provide AndRegisterDocumentSet-bFault xmlns:urn="urn:ihe:iti:xds-b:2007"> <urn:payload>Please Contact Mass HiWay Customer Service</urn:payload> </urn:DocumentRepository_Provid eAndRegisterDocumentSet- bFault> </soapenv:Detail> </soapenv:Fault> </pre>	
<p>When the message could not be delivered to the eReferral application</p>	<pre> <soapenv:Fault xmlns:soapenv="http://www.w3.org /2003/05/soap-envelope"> <soapenv:Code> <soapenv:Value>CG201</soapenv :Value> <soapenv:Subcode> <soapenv:Value>Timeout</soape n:v:Value> </soapenv:Subcode> </soapenv:Code> <soapenv:Reason> <soapenv:Text>Backend service is not available, Please Contact Customer service</soapenv:Text> </soapenv:Reason> <soapenv:Node>MIIS</soapenv:N ode> <soapenv:Detail> <urn:DocumentRepository_Provide AndRegisterDocumentSet-bFault xmlns:urn="urn:ihe:iti:xds-b:2007"> <urn:payload>Backend service is not available, Please Contact Customer service</urn:payload> </urn:DocumentRepository_Provid eAndRegisterDocumentSet- bFault> </soapenv:Detail> </soapenv:Fault> </pre>	<p>Failed to process the request, please contact Mass Hiway Customer Service.</p>
<p>When the message could not be delivered to</p>	<pre> <soapenv:Fault xmlns:soapenv="http://www.w3.org </pre>	<p><i>No Response sent back</i></p>

<p>the eReferral application</p>	<pre> /2003/05/soap-envelope"> <soapenv:Code> <soapenv:Value>CG201</soapenv :Value> <soapenv:Subcode> <soapenv:Value>Timeout</soape n:Value> </soapenv:Subcode> </soapenv:Code> <soapenv:Reason> <soapenv:Text>Backend service is not available, Please Contact Customer service</soapenv:Text> </soapenv:Reason> <soapenv:Node>eReferral</soape n:Node> <soapenv:Detail> <urn:DocumentRepository_Provide AndRegisterDocumentSet-bFault xmlns:urn="urn:ihe:iti:xds-b:2007"> <urn:payload>Backend service is not available, Please Contact Customer service</urn:payload> </urn:DocumentRepository_Provid eAndRegisterDocumentSet- bFault> </soapenv:Detail> </soapenv:Fault> </pre>	
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