



Mass Hlway
Massachusetts Health Information Highway
Statewide Health Information Exchange

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



The Mass Hlway is operated by the Commonwealth of Massachusetts' Executive Office of Health and Human Services (EOHHS). For more information visit www.masshiway.net.

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Introduction

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 ELR 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: ELR

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 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/ No attachment)	<pre><soapenv:Fault xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope"><soapenv:Code> <soapenv:Value>soapenv:Sender</soapenv:Value><soapenv:Subcode> <soapenv:Value>CG203</soapenv:Value></soapenv:Subcode> </soapenv:Code> <soapenv:Reason> <soapenv:Text>Invalid payload or payload is empty</soapenv:Text> </soapenv:Reason> <soapenv:Node>ELR</soapenv:Node> <soapenv:Detail> <urn:DocumentRepository_ProvideAndRegisterDocumentSet-bFault xmlns:urn="urn:ihe:iti:xds-b:2007"> <urn:payload>ERROR Message ID :1.201869833088.194</urn:payload><urn:DocumentRepository_ProvideAndRegisterDocumentSet-bFault</soapenv:Detail></soapenv:Fault></pre>	<u>No Response sent back</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 a success or failure response is received from ELR application	<u>Same in CG 1.0 & CG 2.0(Since there is no Business Validation changes)</u>	<u>Same in CG 1.0 & CG 2.0(Since there is no Business Validation changes)</u>
When HIE header info is missing in the input payload	HIE header info is missing in the input payload document. Please refer to implementation guide for more details.	HIE header info is missing in the input payload document. Please refer to implementation guide for more details.
When HL7 version is not	HL7 version info is missing/not supported – Please send us the valid	HL7 version info is missing/not supported

2.3.1 or 2.5.1	file with correct version number.	
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_ProvideAnd RegisterDocumentSet-bFault xmlns:urn="urn:ihe:iti:xds-b:2007"> <urn:payload>Please Contact Mass HiWay Customer Service</urn:payload> </urn:DocumentRepository_ProvideAnd RegisterDocumentSet-bFault> </soapenv:Detail> </soapenv:Fault></pre>	Organization is not Authorized
When the message could not be delivered to the ELR application	<pre><soapenv:Envelope xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope"> <soapenv:Body> <soapenv:Fault xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope"> <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>ELR</soapenv:Node> <soapenv:Detail> <urn:DocumentRepository_ProvideAnd</pre>	Failed to process the request, please contact Mass Hiway Customer Service.

	<pre>RegisterDocumentSet-bFault xmlns:urn="urn:ihe:iti:xds-b:2007"> <urn:payload>`Backend service is not available, Please Contact Customer service</urn:payload> </urn:DocumentRepository_ProvideAnd RegisterDocumentSet-bFault> </soapenv:Detail> </soapenv:Fault></pre>	
<p>When the message could not be delivered to the ELR application</p>	<pre><soapenv:Fault xmlns:soapenv="http://www.w3.org/200 3/05/soap-envelope"> <soapenv:Code> <soapenv:Value>CG201</soapenv:Valu e> <soapenv:Subcode> <soapenv:Value>Timeout</soapenv:Val ue> </soapenv:Subcode> </soapenv:Code> <soapenv:Reason> <soapenv:Text>Backend service is not available, Please Contact Customer service</soapenv:Text> </soapenv:Reason> <soapenv:Node>ELR</soapenv:Node> <soapenv:Detail> <urn:DocumentRepository_ProvideAnd RegisterDocumentSet-bFault xmlns:urn="urn:ihe:iti:xds-b:2007"> <urn:payload>Backend service is not available, Please Contact Customer service</urn:payload> </urn:DocumentRepository_ProvideAnd RegisterDocumentSet-bFault> </soapenv:Detail> </soapenv:Fault></pre>	<p><u><i>No Response sent back</i></u></p>

LAND & XDR Users

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 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 empty payload (XDR Msg from EMR system-No Data/content in Document tag/Document tag is missing)	<pre><soapenv:Fault xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope"><soapenv:Code> <soapenv:Value>soapenv:Sender</soapenv:Value><soapenv:Subcode> <soapenv:Value>CG203</soapenv:Value></soapenv:Subcode> </soapenv:Code> <soapenv:Reason> <soapenv:Text>Invalid payload or payload is empty</soapenv:Text> </soapenv:Reason> <soapenv:Node>ELR</soapenv:Node> <soapenv:Detail> <urn:DocumentRepository_ProvideAndRegisterDocumentSet-bFault xmlns:urn="urn:ihe:iti:xds-b:2007"> <urn:payload>ERROR Message ID :1.201869833088.194</urn:payload></urn:DocumentRepository_ProvideAndRegisterDocumentSet-bFault></soapenv:Detail></soapenv:Fault></pre>	<u>No Response sent back</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 a success or failure response is received from ELR application	<u>Same in CG 1.0 & CG 2.0 (Since there is no Business Validation changes)</u>	<u>Same in CG 1.0 & CG 2.0 (Since there is no Business Validation changes)</u>
When the input payload does not contain HIE	<pre><soapenv:Fault xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope"></pre>	HIE header info is missing in the input payload document. Please refer to implementation guide for

<p>header</p>	<pre> <soapenv:Code> <soapenv:Value>soapenv:Sender</soa penv:Value> <soapenv:Subcode> <soapenv:Value>CG205</soapenv:Valu e> </soapenv:Subcode> </soapenv:Code> <soapenv:Reason> <soapenv:Text>HIE header info is missing in the input payload document. Please refer to implementation guide for more details. </soapenv:Text> </soapenv:Reason> <soapenv:Node>ELR</soapenv:Node> <soapenv:Detail> <urn:DocumentRepository_ProvideAnd RegisterDocumentSet-bFault xmlns:urn="urn:ihe:iti:xds-b:2007"> <urn:payload>ERROR Message ID : 123456789</urn:payload> </urn:DocumentRepository_ProvideAnd RegisterDocumentSet-bFault> </soapenv:Detail> </soapenv:Fault> </pre>	<p>more details.</p>
<p>When the submitted HL7 Message Version is not 2.3.1 or 2.5.1</p>	<pre> <soapenv:Fault xmlns:soapenv="http://www.w3.org/200 3/05/soap-envelope"> <soapenv:Code> <soapenv:Value>soapenv:Sender</soa penv:Value> <soapenv:Subcode> <soapenv:Value>CG205</soapenv:Valu e> </soapenv:Subcode> </soapenv:Code> <soapenv:Reason> <soapenv:Text>HL7 version info is missing/not supported – Please send us the valid file with correct version number.</soapenv:Text> </soapenv:Reason> <soapenv:Node>ELR</soapenv:Node> <soapenv:Detail> <urn:DocumentRepository_ProvideAnd RegisterDocumentSet-bFault xmlns:urn="urn:ihe:iti:xds-b:2007"> <urn:payload>ERROR Message </pre>	<p>HL7 version info is missing/not supported</p>

	<pre>ID : 123456789</urn:payload> </urn:DocumentRepository_ProvideAnd RegisterDocumentSet-bFault> </soapenv:Detail> </soapenv:Fault></pre>	
When the submitted HL7 Message Version is not 2.3.1 or 2.5.1	HL7 version info is missing/not supported – Please send us the valid file with correct version number.	HL7 version info is missing/not supported
When the message could not be delivered to the ELR application	<pre><soapenv:Fault xmlns:soapenv="http://www.w3.org/200 3/05/soap-envelope"> <soapenv:Code> <soapenv:Value>CG201</soapenv:Valu e> <soapenv:Subcode> <soapenv:Value>Timeout</soapenv:Val ue> </soapenv:Subcode> </soapenv:Code> <soapenv:Reason> <soapenv:Text>Backend service is not available, Please Contact Customer service</soapenv:Text> </soapenv:Reason> <soapenv:Node>ELR</soapenv:Node> <soapenv:Detail> <urn:DocumentRepository_ProvideAnd RegisterDocumentSet-bFault xmlns:urn="urn:ihe:iti:xds-b:2007"> <urn:payload>Backend service is not available, Please Contact Customer service</urn:payload> </urn:DocumentRepository_ProvideAnd RegisterDocumentSet-bFault> </soapenv:Detail> </soapenv:Fault></pre>	<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/200 3/05/soap-envelope"> <soapenv:Code> <soapenv:Value>CG103</soapenv:Valu e> <soapenv:Subcode> <soapenv:Value>Organization not Authorized.</soapenv:Value> </soapenv:Subcode> </soapenv:Code> <soapenv:Reason></pre>	Organization is not Authorized

	<pre> <soapenv:Text>Organization is not authorized. Please contact Customer Service.</soapenv:Text> </soapenv:Reason> <soapenv:Node>Direct Gateway</soapenv:Node> <soapenv:Detail> <urn:DocumentRepository_ProvideAnd RegisterDocumentSet-bFault xmlns:urn="urn:ihe:iti:xds-b:2007"> <urn:payload>Please Contact Mass HiWay Customer Service</urn:payload> </urn:DocumentRepository_ProvideAnd RegisterDocumentSet-bFault> </soapenv:Detail> </soapenv:Fault> </pre>	
<p>When the message could not be delivered to the ELR application</p>	<pre> <soapenv:Fault xmlns:soapenv="http://www.w3.org/200 3/05/soap-envelope"> <soapenv:Code> <soapenv:Value>CG201</soapenv:Valu e> <soapenv:Subcode> <soapenv:Value>Timeout</soapenv:Val ue> </soapenv:Subcode> </soapenv:Code> <soapenv:Reason> <soapenv:Text>Backend service is not available, Please Contact Customer service</soapenv:Text> </soapenv:Reason> <soapenv:Node>ELR</soapenv:Node> <soapenv:Detail> <urn:DocumentRepository_ProvideAnd RegisterDocumentSet-bFault xmlns:urn="urn:ihe:iti:xds-b:2007"> <urn:payload>Backend service is not available, Please Contact Customer service</urn:payload> </urn:DocumentRepository_ProvideAnd RegisterDocumentSet-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 ELR application</p>	<pre> <soapenv:Fault xmlns:soapenv="http://www.w3.org/200 3/05/soap-envelope"> <soapenv:Code> </pre>	<p><u><i>No Response sent back</i></u></p>

	<pre><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>ELR</soapenv:Node> <soapenv:Detail> <urn:DocumentRepository_ProvideAnd RegisterDocumentSet-bFault xmlns:urn="urn:ihe:iti:xds-b:2007"> <urn:payload>Backend service is not available, Please Contact Customer service</urn:payload> </urn:DocumentRepository_ProvideAnd RegisterDocumentSet-bFault> </soapenv:Detail> </soapenv:Fault></pre>	
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