



Mass HIway
Massachusetts Health Information Highway
Statewide Health Information Exchange

Differences in PMP 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.

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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 PMP 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: PMP

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)	MSH ^&~ MAPMP 20171214135809-0458 RSP^K31^RSP_K31 ACK9901 P 2.7.1 MSA AR nullERR ^ Invalid Payload or Payload is Empty	<u>No Response sent back</u>
When the message contains multiple payloads	<soapenv:Fault> <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>PMP</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>	Application does not support multiple payloads
When the sender's	<soapenv:Fault xmlns:soapenv="http://www.w3.org/200	Organization is not Authorized

domain is not authorized or cannot be authorized	<pre> 3/05/soap-envelope"> <soapenv:Code> <soapenv:Value>CG103</soapenv:Val ue> <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>	
When a success or failure response is received from PMP 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 message could not be delivered to the PMP application	<pre> <soapenv:Fault xmlns:soapenv="http://www.w3.org/200 3/05/soap-envelope"> <soapenv:Code> <soapenv:Value>CG201</soapenv:Val ue> <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>PMP</soapenv:Node> <soapenv:Detail> </pre>	PMP Application is not available, please contact Customer Service

	<pre><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>	
When the message could not be delivered to the PMP application	<pre><soapenv:Fault xmlns:soapenv="http://www.w3.org/200 3/05/soap-envelope"> <soapenv:Code> <soapenv:Value>CG201</soapenv:Val ue> <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>PMP</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>	Failed to process the request, please contact Mass Hiway Customer Service
When the message could not be delivered to the PMP application	<pre><soapenv:Fault xmlns:soapenv="http://www.w3.org/200 3/05/soap-envelope"> <soapenv:Code> <soapenv:Value>CG201</soapenv:Val ue> <soapenv:Subcode> <soapenv:Value>Timeout</soapenv:Val ue> </soapenv:Subcode> </soapenv:Code> <soapenv:Reason></pre>	<u>No Response sent back</u>

	<pre><soapenv:Text>Backend service is not available, Please Contact Customer service</soapenv:Text> </soapenv:Reason> <soapenv:Node>PMP</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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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 multiple payloads	<pre> <soapenv:Fault> <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>PMP</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> </pre>	Application does not support multiple payloads
When the message contains empty payload (XDR Msg)	<pre> MSH ^&~ MAPMP 20171214135809-0458 RSP^K31^RSP_K31 ACK9901 P 2.7.1 MSA AR nullERR ^Invalid Payload or Payload is </pre>	<u>No Response sent back</u>

from EMR system-No Data/content in Document tag/Document tag is missing)	Empty 	
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_ProvideAndRegisterDocumentSet-bFault xmlns:urn="urn:ihe:iti:xds-b:2007"> <urn:payload>Please Contact Mass HiWay Customer Service</urn:payload> </urn:DocumentRepository_ProvideAndRegisterDocumentSet-bFault> </soapenv:Detail> </soapenv:Fault> </pre>	Organization is not Authorized
When a success or failure response is received from PMP 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 message could not be delivered to the PMP application	<pre> <soapenv:Fault xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope"> <soapenv:Code> <soapenv:Value>CG201</soapenv:Value> <soapenv:Subcode> </pre>	PMP Application is not available, please contact Customer Service

	<pre><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>PMP</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></pre>	
When the message could not be delivered to the PMP application	<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</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>PMP</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></pre>	Failed to process the request, please contact Mass Hiway Customer Service

<p>When the message could not be delivered to the PMP 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</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>PMP</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> </pre>	<p><u><i>No Response sent back</i></u></p>
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