



**MediPrima WS
MyCareNet Tarification
Cookbook - Version 1.1**

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eHealth platform

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All are free to circulate this document with reference to the URL source.

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To the attention of: "IT expert" willing to integrate this web service.



1 Document management

1.1 Document history

Version	Date	Author	Description of changes / remarks
1	21/12/2016	eHealth platform	First version
1.1	05/06/2018	eHealth platform	Minor update



2 Introduction

2.1 Goal of the service

The “MediPrima MyCareNet Tarification” WS allows care providers to perform a “tarification” consultation for a patient covered by MediPrima. The tarification is calculated by the CAAMI/HZIV (Caisse Auxiliaire d'Assurance Maladie-Invalidité/Hulpkas voor Ziekte- en Invaliditeitsverzekering) from patient data and health care provider data. The health care provider will use this consultation to establish the invoice. This web service is mainly destined for the second line healthcare provider (as the general practitioner, dentists,)

MediPrima manages and registers all the decisions from the “CPAS/OCNW” in order to cover costs of medical support for some patients. This service is mainly destined for the patient without healthcare insurance. Before calling the MediPrima MyCareNet tarification WS, the health actor should consult MediPrima decision database through the MediPrima consultation service.

2.2 Goal of the document

This document is not a development or programming guide for internal applications. Instead, it provides functional and technical information and allows an organization to integrate and use the eHealth service.

However, in order to interact in a smooth, homogeneous and risk controlled way with a maximum of partners, eHealth partners must commit to comply with the requirements of specifications, data format and release processes described in this document.

Technical and business requirements must be met in order to allow the integration and validation of the eHealth service in the client application.

Detailed description of the functionality of the services, the semantics of the particular elements and other general information about the services is out of the scope of this document. This kind of information can be found in the documentation provided by MyCareNet on their Sharepoint.

In order to be able to test the MediPrima MyCareNet Tarification application, you need to connect to an eHealth pipe (see also section 5):

2.3 eHealth document references

All the document references can be found on the eHealth portal¹. These versions or any following versions can be used for the eHealth service.

ID	Title	Version	Date	Author
1	Glossary.pdf	1.0	01/01/2010	eHealth platform
2	MediPrima MyCareNet Tarification SSO	1.1	05/06/2018	eHealth platform
3	Request Testcase template	2.0	22/02/2018	eHealth platform

External document references

All the MyCareNet documentation can be found within their Sharepoint². The documentation referenced in this section may evolve in time.

¹ <https://ehealth.fgov.be/ehealthplatform>

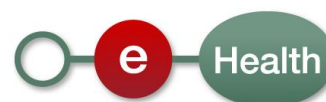
² In order to have access to the Sharepoint, an account is needed. Use the following link to request it : <http://ned.mycarenet.be/wie-zijn-we/contact> OR <http://fra.mycarenet.be/wie-zijn-we/contact>



If some external documentation has been modified, you should notify the eHealth service management³ which will manage the maintenance of this document.

ID	Title	Version	Last modification date	Author
1	Codes erreur Tarif - mediprima - Verwerpingscodes Tarief - .xlsx	N.A.	29/09/2016	CIN / NIC
2	cross check TARIF Mediprima .pdf	N.A.	29/09/2016	CIN / NIC
3	Kmehr - Annexe HCPARTY - FR -.pdf	From V01r04.	29/09/2016	CIN / NIC
4	Kmehr - Bijlage HCPARTY - NL -.pdf	From V01r04.	29/09/2016	CIN / NIC
5	Kmehr - consultation tarifs mediprima - -.pdf	From V01R01.	29/09/2016	CIN / NIC
6	Kmehr - Protocol eHealth message service - NL -.pdf	From V01r04.	29/09/2016	CIN / NIC
7	Kmehr - Protocole eHealth message service - FR -.pdf	From V01r04.	29/09/2016	CIN / NIC
8	xsd-kmehr message protocole-.zip	From 1.18.	29/09/2016	CIN / NIC
9	MyCareNet Authentication Catalogue.pdf	N.A.	29/09/2016	CIN / NIC
10	NIPPIN GenSync (ESB 2 NIPPIN).zip	N.A.	29/09/2016	CIN / NIC
11	GenericSync Error codes.xls	N.A.	29/09/2016	CIN / NIC
12	Service_Catalogue_Commons.pdf	N.A.	29/09/2016	CIN / NIC
13	Service_Catalogue_GenSync.pdf	N.A.	29/09/2016	CIN / NIC
14	ImplementationGuide_For_CareProvider.pdf	N.A.	29/09/2016	CIN / NIC

³ ehhealthservicemanagement@ehealth.fgov.be



3 Support

3.1 Certificates

- In order to access the secured eHealth platform environment you have to obtain an eHealth platform certificate, used to identify the initiator of the request. In case you do not have one please consult the chapter about the eHealth Certificates on the portal of the eHealth platform

<https://www.ehealth.fgov.be/ehealthplatform/nl/ehealth-certificaten>

<https://www.ehealth.fgov.be/ehealthplatform/fr/certificats-ehealth>

- For technical issues regarding eHealth platform certificates

Acceptance: ***acceptance-certificates@ehealth.fgov.be***

Production: ***support@ehealth.fgov.be***

3.2 Support MyCareNet

For technical issues: Contactcenter MyCareNet:

- Phone : 02 / 431 47 71
- Mail: ***ServiceDesk@MyCareNet.be***
- Contact form :
 - Dutch version: ***<http://www.mycarenet.be/nl/cin/contact>***
 - French version : ***<http://www.mycarenet.be/fr/cin/contact>***

Helpdesk CIN

- Phone : 02 / 891 72 00
- Mail: ***carenet@intermut.be***

3.3 MediPrima Support

For Business issues (content of decision),

POD MI / SPP IS Contact Center

- Phone : 02 /508 85 85 (Dutch), 02 /508 85 86 (French)
- Mail : ***vraag@mi-is.be*** (Dutch), ***question@mi-is.be*** (French)

3.4 For issues in production

eHealth platform contact center:

- Phone: 02/788 51 55
- Mail: ***support@ehealth.fgov.be***
- Contact Form :
 - ***<https://www.ehealth.fgov.be/ehealthplatform/nl/contact>*** (Dutch)
 - ***<https://www.ehealth.fgov.be/ehealthplatform/fr/contact>*** (French)

3.5 For issues in acceptance

Integration-support@ehealth.fgov.be

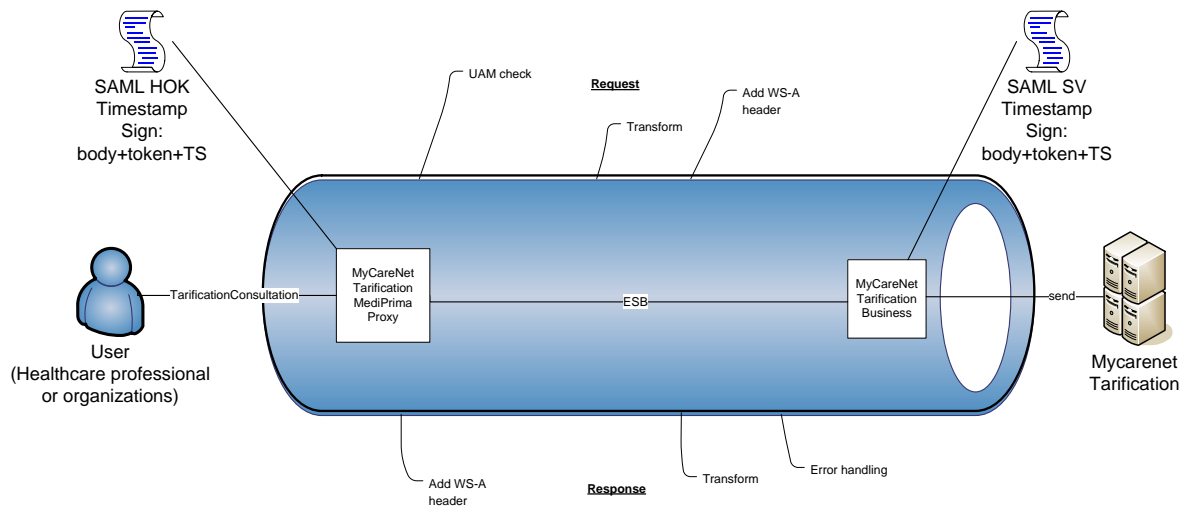


3.6 For business issues

- regarding an existing project: the project manager in charge of the application or service
- regarding a new project and other business issues: info@ehealth.fgov.be



4 Global overview



The tarification MediPrima WS is secured with the SAML Holder-of-Key (HOK) policy. Therefore, prior to calling the services, a SAML token must be obtained at the eHealth STS. The obtained token must be then included in the header of the request message, together with the timestamp, where the timestamp and the body must be signed with the certificate as used in the HOK profile of the SAML token (see also more detailed technical description further in the cookbook). The body contains the *TarificationConsultation* request. The eHealth ESB verifies the security (authentication, authorization, etc.) and forwards the request to Mycarenet.

MyCareNet sends the corresponding response to the web service consumer.



5 Step-by-step

The integration of this service should be planned in a global integration approach of several interdependent WS (consultation, invoicing...). Therefore, each integrator should first contact the Federal Public Service for the Social Integration to ensure an appropriate integration (of this service with the other one). This contact point can be used to have information about the decision and the OCMW/CPAS work (business interpretation, what to ask to a OCMW/CPAS, which OCMW/CPAS is competent...). Then for the tarification and invoicing part, the CIN is the entry point.

Nevertheless, the technical integration of this web service covers 2 major sets of steps. The first set of steps will generate a connection to the Business service and is covered in this chapter. The second set of steps is covered in chapter 6.

More information on the test, evaluation and release procedure can be found in chapter 8.

5.1 Initiation

If you intend to use the “WS MediPrima consultation”, please contact **Federal Public Service for the Social Integration *that will inform the eHealth integration support service of your intention as well as the CIN to let you connect to the other MediPrima services.*** They will also provide you with test cases (person known in the MediPrima system) to allow you to test these WS.

5.2 Technical requirements

In order to test the STS service, a test case must be created first by the eHealth platform. The rules to access the tarification WS are the same in acceptance environment as in production.

All test cases have to be configured by the integration team.

Before doing any test, request your test cases from the eHealth integration team (integration-support@ehealth.fgov.be) using the template “request testcases web service”.

The template must be completely filled out.

In order to implement a WS call protected with a SAML token you can reuse the implementation as provided in the “eHealth connector”. Nevertheless, eHealth implementations use standards and any other compatible technology (WS stack for the client implementation) can be used instead.

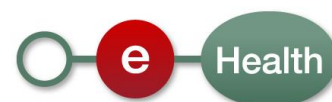
- <https://www.ehealth.fgov.be/ehealthplatform/nl/service-ehealth-platform-services-connectors>
- <https://www.ehealth.fgov.be/ehealthplatform/fr/service-ehealth-platform-services-connectors>
Alternatively, you can write your own implementation. The use of the STS and the structure of the exchanged xml-messages are described in the eHealth STS cookbook.
- https://www.ehealth.fgov.be/ehealthplatform/STS_HolderOfKey-Cookbook_v1-2-13042018.pdf

5.2.1 Use of the eHealth SSO solution

This section specifies for each authorized type of health actor how the call to STS must be done to have access to the WS. You must precise several attributes in the request. The details on the identification attributes and the certification attributes can be found in the separate document MediPrima MyCareNet Tarification - SSO.

To access to the tarification WS, the response token must contain “true” for all of the ‘boolean’ certification attributes and a non-empty value for other certification attributes.

If you obtain “false” or empty values, contact the eHealth platform to verify that the requested test cases were correctly configured.



5.2.2 Encryption

Encryption (ETEE) is not used in the context of this project.

5.2.3 Security policies to apply

We expect that you use SSL one way for the transport layer.

To call the Tarification MediPrima WS:

- Add the business message to the soap body
- Add to the SOAP header the following elements:
 - **SAML Token:** The SAML Assertion received from the eHealth STS. This assertion needs to be forwarded exactly as received in order to not to break the signature of the eHealth STS. The token needs to be added accordingly to the specifications of the OASIS SAML Token Profile (holder-of-key).
(link: <http://www.oasis-open.org/committees/download.php/16768/wssv1.1-spec-os-SAMLSAMLTokenProfile.pdf>).
 - **Timestamp**
 - A **signature** that has been placed on the SOAPBody and the timestamp with the certificate of which the public key is mentioned in the SAML Assertion.
- The signature element (mentioned above) needs to contain:
 - SignedInfo with References to the soapBody and the Timestamp.
 - KeyInfo with a SecurityTokenReference pointing to the SAML Assertion.

See also the WSSP in the WSDL⁴ (also included in the documentation).

⁴ WSDL's can be found in the eHealth Service Registry: <https://services.ehealth.fgov.be/registry/uddi/bsc/web>



6 Web service

The MyCareNet Tarification WS has the following endpoints:

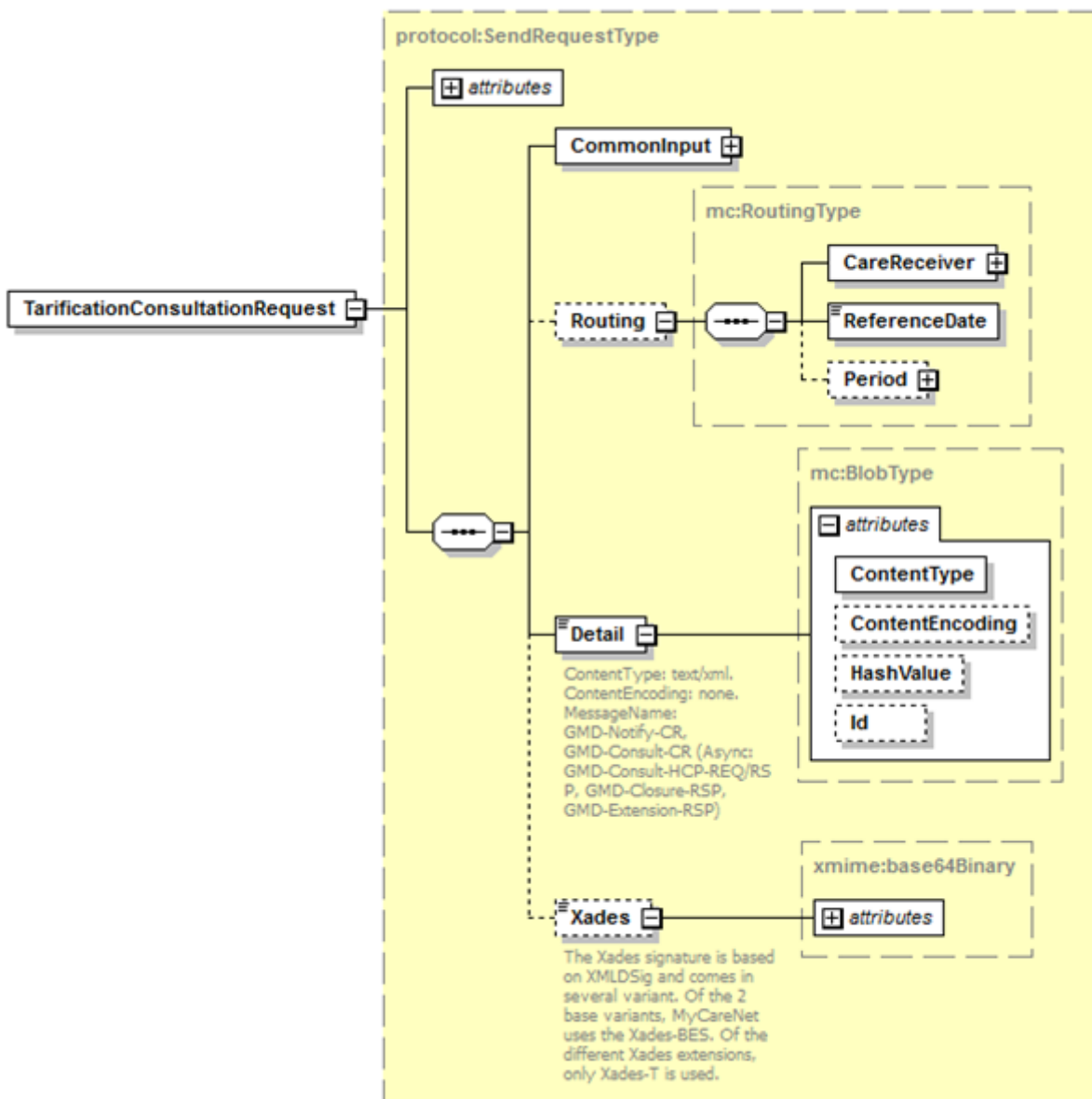
- Acceptation environment:
<https://services-acpt.ehealth.fgov.be/beta/MyCareNet/TarificationMediPrima/v1>
- Pilot environment: **<https://services-acpt.ehealth.fgov.be/MyCareNet/TarificationMediPrima/v1>**
- Production environment: **<https://services.ehealth.fgov.be/MyCareNet/TarificationMediPrima/v1>**

The remainder of this section describes the structure of the request and the response messages. Section 6.1 describes the request and response messages for the *tarificationConsultation* operation. Section 6.2 describes the common element types used in the structures of the request and response types. For more detail on the specific elements and the concepts behind them, see the documentation provided by the CIN/NIC on their sharepoint.



6.1 Method TarificationConsultation

6.1.1 Input arguments in TarificationConsultationRequest



Field name	Description
CommonInput	See section 6.2.1
Routing	Mandatory element. See the documentation 'Service_Catalogue_Commons' provided by the CIN/NIC. The data within this element should contain either the SSIN of the care receiver either the combination <i>health insurance organization/identification number of the care receiver within this organization</i>



Detail	<p>Base64 encoded detail of the request.</p> <p>See the documentation provided by the CIN/NIC for more details :</p> <ul style="list-style-type: none"> - 'Service_Catalogue_GenSync' - 'Kmehr - consultation tarifs mediprima - V01R01 - 20160920.pdf' <p>Attribute values :</p> <p>@ContentType must be set to 'text/xml'</p> <p>@ContentEncoding must be set to 'none'</p> <p>@HashValue always provided to the care provider.</p> <p>@Id: The ID of the blob for usage in the XAdES signature. It is an "NCName" instead of an "ID" in order to be able to have different blobs with the same (fixed) id without causing an XSD validation.</p> <p>Note that the attribute "MessageName" in the Detail element is not present in the interface as provided by the eHealth platform. This attribute value is then filled out by the eHealth platform according to the called operation (for the tarification MediPrima service it is "MEDIPRIMA-TARIF-CR").</p>
Xades	No XAdES to provide.

6.1.2 Request example

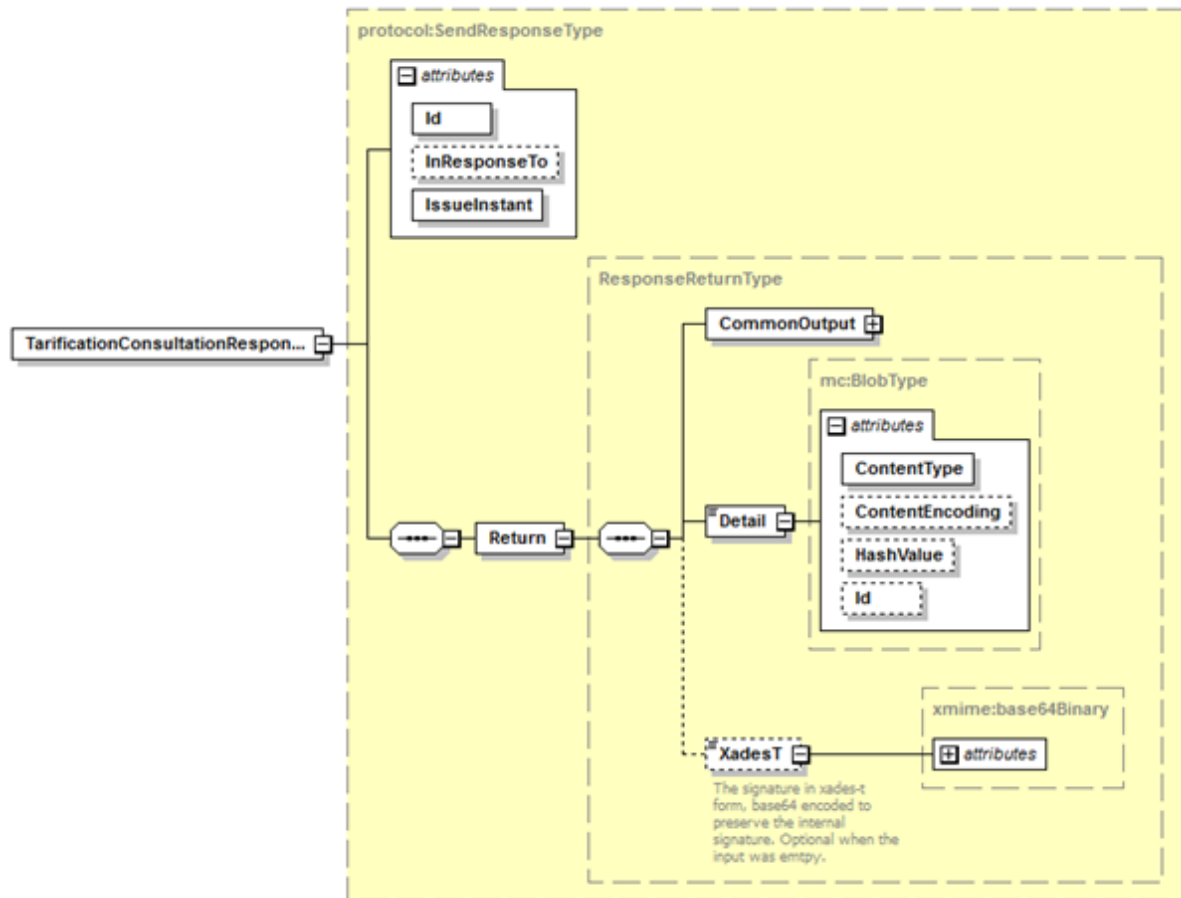
Business example is generated from the documentation 'Kmehr - consultation tarifs mediprima - V01R01 - 20160920.pdf' provided by CIN/NIC.

The detail element represents a RetrieveTransactionRequest.

```
<?xml version="1.0" encoding="UTF-8"?>
<TarificationConsultationRequest Id="ID_1" IssueInstant="2016-02-15T09:30:47Z"
xsi:schemaLocation="urn:be:fgov.ehealth:mycarenet:tarification:protocol:v1 mycarenet-tarification-protocol-1_0.xsd"
xmlns="urn:be:fgov.ehealth:mycarenet:tarification:protocol:v1" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xmime="http://www.w3.org/2005/05/xmlmime" xmlns:mc="urn:be:fgov.ehealth:mycarenet:commons:core:v2"
xmlns:protocol="urn:be:fgov.ehealth:mycarenet:commons:protocol:v2">
  <protocol:CommonInput>
    <mc:Request>
      <mc:IsTest>true</mc:IsTest>
    </mc:Request>
    <mc:Origin>
      <mc:Package>
        <mc:License>
          <mc:Username>usernameTest</mc:Username>
          <mc>Password>passwordTest</mc>Password>
        </mc:License>
      </mc:Package>
      <mc:CareProvider>
        <mc:Nihii>
          <mc:Quality>doctor</mc:Quality>
          <mc:Value>11530231003</mc:Value>
        </mc:Nihii>
      </mc:CareProvider>
    </mc:Origin>
  </protocol:CommonInput>
  <protocol:Routing>
    <mc:CareReceiver>
```



6.1.3 Output arguments in TarificationConsultationResponse



Field name	Description
"Response"	@Id : Unique Id for tracing @InresponseTo : 'Id' attribute of the request if available @IssueInstant : Generation response moment
Return	See the documentation provided by the CIN/NIC for more details : - 'Service_Catalogue_GenSync' - 'Kmehr - consultation tarifs mediprima - V01R01 - 20160920.pdf'

6.1.4 Response example

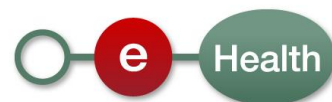
Business example is generated from the documentation 'Kmehr - consultation tarifs mediprima - V01R01 - 20160920.pdf' provided by CIN/NIC.

```
<?xml version="1.0" encoding="UTF-8"?>
<TarificationConsultationResponse Id="ID_R1" InResponseTo="ID_1" IssueInstant="2001-12-17T09:30:47Z"
xsi:schemaLocation="urn:be:fgov:health:mycarenet:tarification:protocol:v1 mycarenet-tarification-protocol-1_0.xsd"
xmlns="urn:be:fgov:health:mycarenet:tarification:protocol:v1" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
```



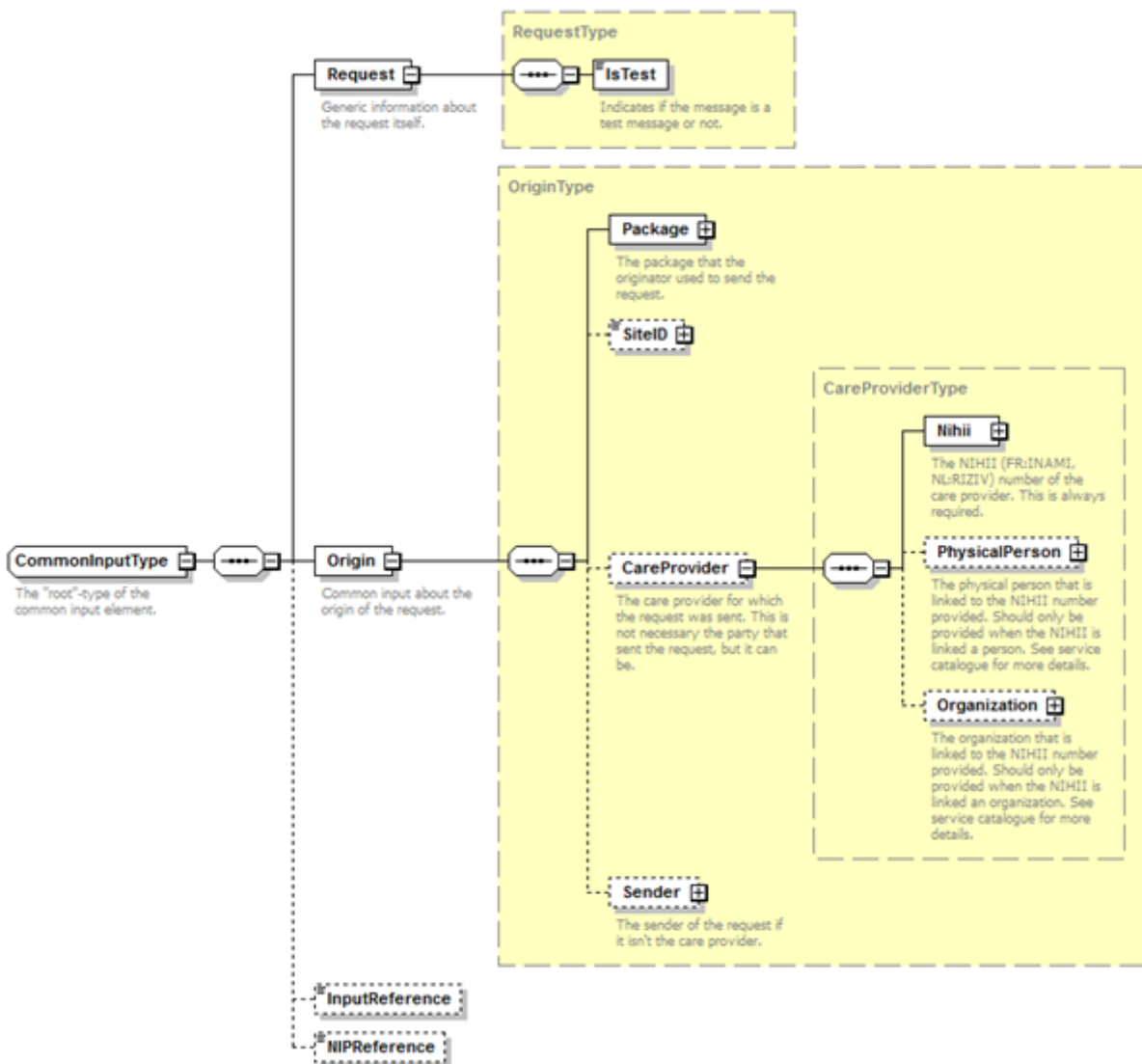
aHI6aWQgUz0iSUQtS01FSFIIIFNWPSIxLjAiPjQ8L2ttZWWhyOmIklPg0KCCQkJCQk8a21laHI6Y2QgUz0iQ0QtSVRFTS1NWUNBUK
 VORVQIIFNWPSIxLjMipNjlaW1idXJzZW1lbnQtnZnc2k8L2ttZWWhyOmNkPg0KCCQkJCQk8a21laHI6Y29zdD4NCgkJCQkJCTxb
 WVocjpkZWnpbWfSPE1PC9rbWVocjpkZWnpbWfSpg0KCCQkJCQkJPGttZWWhyOnVuaXQ+DQoJCQkJCQkJPGttZWWhyOmNk
 FM9IknELUNVUIJFTKNZliBTVj0iMS4wlj5FVVI8L2ttZWWhyOmNkPg0KCCQkJCQkJPC9rbWVocjpb1bml0Pp0KCCQkJCQk8L2ttZW
 yOmNvc3Q+DQoJCQkJPC9rbWVocjppdGVtPg0KCCQkJCTxbWVocjppdGVtPg0KCCQkJCQk8a21laHI6aWQgUz0iSUQtS01FSF
 iIFNWPSIxLjAiPjU8L2ttZWWhyOmIklPg0KCCQkJCQk8a21laHI6Y2QgUz0iQ0QtSVRFTS1NWUNBUK VORVQIIFNWPSIxLjMipNjla
 W1idXJzZW1lbnQtcHN3Yzwwa21laHI6Y2Q+DQoJCQkJCTxbWVocjpb3N0Pg0KCCQkJCQkJPGttZWWhyOmRIY2ltYWw+MTU8L
 2ttZWWhyOmRIY2ltYWw+DQoJCQkJCQk8a21laHI6dW5pdD4NCgkJCQkJCQk8a21laHI6Y2QgUz0iQ0QtQ1VSUKVOQ1kiIFNWPS
 SxljAiPkVUjwwa21laHI6Y2Q+DQoJCQkJCQk8L2ttZWWhyOnVuaXQ+DQoJCQkJCTwva21laHI6Y29zdD4NCgkJCQk8L2ttZW
 yOmI0ZW0+DQoJCQkJPGttZWWhyOmI0ZW0+DQoJCQkJCTxbWVocjppZCBTPSJJRc1LTUVUIilGU1Y9IjEuMCI+Njwwa21laHI6
 aWQ+DQoJCQkJCTxbWVocjppZCBTPSJDRc1JVEVNLU1ZQ0FSRU5FVCiGU1Y9IjEuMyl+cGF0aWVudGZIZTwwa21laHI6Y2
 Q+DQoJCQkJCTxbWVocjpb3N0Pg0KCCQkJCQkJPGttZWWhyOmRIY2ltYWw+MTA8L2ttZWWhyOmRIY2ltYWw+DQoJCQkJCQk8
 a21laHI6dW5pdD4NCgkJCQkJCQk8a21laHI6Y2QgUz0iQ0QtQ1VSUKVOQ1kiIFNWPSIxLjAiPkVUjwwa21laHI6Y2Q+DQoJCQ
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 W0+DQoJCQkJCTxbWVocjppZCBTPSJJRc1LTUVUIilGU1Y9IjEuMCI+Nzwwa21laHI6aWQ+DQoJCQkJCTxbWVocjppZCBTP
 SJDRc1JVEVNLU1ZQ0FSRU5FVCiGU1Y9IjEuMyl+ZmluYW5jaWFSY29udHhY3Q8L2ttZWWhyOmNkPg0KCCQkJCQk8a21laHI6
 Y29udGvudD4NCgkJCQkJCTxbWVocjppZCBTPSJMT0NBTCiGU1Y9IjEuMCIgU0w9IKiELUZJTkFOQ0IBTENP TIRSQUUIj4N
 CjEyMzQ1Njc4OTAxMjM0NTY3ODkwMTIzNDU2Nzg5MDEyMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDwva21laHI6aWQ+DQoJCQk
 CTwva21laHI6Y29udGvudD4NCgkJCQk8L2ttZWWhyOmI0ZW0+DQoJCQkJPGttZWWhyOmI0ZW0+DQoJCQkJCTxbWVocjppZC
 BTPSJJRc1LTUVUIilGU1Y9IjEuMCI+ODwva21laHI6aWQ+DQoJCQkJCTxbWVocjppZCBTPSJDRc1JVEVNLU1ZQ0FSRU5FV
 ClGU1Y9IjEuMyl+cHN3Yzwwa21laHI6Y2Q+DQoJCQkJCTxbWVocjpb250ZW50Pg0KCCQkJCQkJPCEtLSBDQkUgbnVtYmVyIG
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 biBtdWx0aXBsZSBsYW5ndWFnZXMtLT4NCgkJCQkJCTxbWVocjpb0ZXh0IEw9Im5slj5BTIRXRVRJQRU48L2ttZWWhyOmRIeHQ+
 DQoJCQkJCQk8a21laHI6dGV4dCBMPSJmcil+QU5WRVJTPC9rbWVocjpb0ZXh0Pg0KCCQkJCQk8L2ttZWWhyOmNvbNRIbnQ+DQ
 oJCQkJPC9rbWVocjppdGVtPg0KCCQkJCTxbWVocjppdGVtPg0KCCQkJCQk8a21laHI6aWQgUz0iSUQtS01FSFIIIFNWPSIxLjAiP
 jk8L2ttZWWhyOmIklPg0KCCQkJCQk8a21laHI6aWQgUz0iTE9DUUwifNWPSIxliBTTD0iSUQtTUVEVBSSU1Bij4wMDAwMDAwM
 TYzOTY8L2ttZWWhyOmIklPg0KCCQkJCQk8a21laHI6Y2QgUz0iQ0QtSVRFTS1NWUNBUK VORVQIIFNWPSIxLjMipNjlaW1IZG
 lwcmltY
 W51bWlCjwwa21laHI6Y2Q+DQoJCQkJPC9rbWVocjppdGVtPg0KCCQkJCTxbWVocjppdGVtPg0KCCQkJCQk8a21laHI6aWQgUz
 0iSUQtS01FSFIIIFNWPSIxLjAiPjEwPC9rbWVocjppZD4NCgkJCQkJPGttZWWhyOmNkIFM9IkNLUlURU0tTVIDQVJFTkVUIiBTVj
 0iMS4zlj51bWM8L2ttZWWhyOmNkPg0KCCQkJCQk8a21laHI6Y29udGvudD4NCgkJCQkJCTxbWVocjppib29sZWFFuPmZhbHNIPC
 9rbWVocjppib29sZWFFuP0KCCQkJCQk8L2ttZWWhyOmNvbNRIbnQ+DQoJCQkJPC9rbWVocjppdGVtPg0KCCQkJPC9rbWVocjpp
 Fuc2FjdGlvbj4NCgkJCQkJPC9rbWVocjppib2xkZXl+DQoJCQkJPC9rbWVocjppib2xkZXl+DQoJCQkJPC9rbWVocjppib2xkZXl+
 Jlc3BvbNIPg== protocol:Detail>

</protocol:Return>
 </TarificationConsultationResponse>



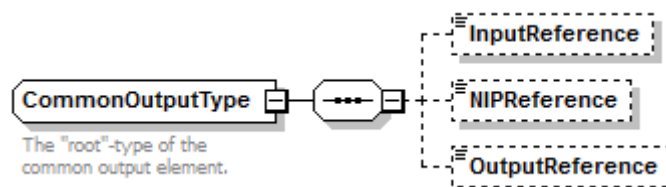
6.2 Used Types

6.2.1 CommonInputType



For the semantics of the particular elements and other information about the service, see the documentation [Service_Catalogue_Commons](#) and [MyCareNet Authentication Catalogue](#) provided by the CIN/NIC.

6.2.2 CommonOutputType



For the semantics of the particular elements and other information about the service see the documentation [Service_Catalogue_Commons](#) provided by the CIN/NIC



7 Risks and security

7.1 Security

7.1.1 Business security

In case the development adds an additional use case based on an existing integration, you should inform the eHealth platform at least one month in advance with a detailed estimate of the expected load. This will ensure an effective capacity management.

In case of technical issues on the WS, the partner may obtain support from the contact center that is responsible for this service.

In case the eHealth platform finds a bug or vulnerability in its software, we advise the partner to update his application with the newest version of the software within 10 business days.

In case the partner finds a bug or vulnerability in the software or WS that the eHealth platform delivered, he is obliged to contact and inform the latter immediately and he is not allowed to publish this bug or vulnerability in any case.

7.1.2 Web service

WS security used in this manner is in accordance with the common standards. Your call will provide:

SSL one way

Time-to-live of the message: one minute. Note that the time-to-live is the time difference between the Created and Expires elements in the Timestamp and is not related to the timeout setting on the eHealth ESB, etc. This means that the eHealth platform will process the message if it is received within the time-to-live value (there is also tolerance of 5 minutes to account for the clock skew), but the actual response time may be greater than one minute in some situations (see the SLA for more details).

Signature of the timestamp and body. This will allow the eHealth platform to verify the integrity of the message and the identity of the message author.

No encryption on the message.

7.1.3 The use of username, password and token

The username, password, and token are strictly personal and are not allowed to transfer.

Every user takes care of his username, password, and token and is forced to confidentiality of it. Every user is also responsible of every use including the use by a third party, until the inactivation.



8 Test and release procedure

8.1 Initiation

If you intend to use the “MediPrima MyCareNet Tarification WS”, please contact **Federal Public Service for the Social Integration** *that will inform the eHealth integration support service of your intention*.

They will help you (with MyCareNet) during your test process (with test data and support) and give you the additional materials if needed (presentation made to software package...).

8.2 Test, evaluation and release

For the integration in a software package, specific connection tests are foreseen with the eHealth integration team. MCM and the Federal Public service will document the business test to apply.

You should also be able to demonstrate the different test cases for consultation, tarification (only for doctor) and invoicing and the service UMA-attest.



9 Error and failure messages

There are different possible types of response:

- If there are no technical errors, responses as described in section 5 are returned.
- In the case of a technical error, a SOAP fault exception is returned (see table below).

If an error occurs, first please verify your request. Following table contains a list of common system error codes for the eHealth Service Bus. For possible business errors, refer to documentation Codes erreur Tarif - mediprima - Verwerpingscodes Tarief - 20160929 provided by CIN/NIC.

Table 1: Description of the possible SOAP fault exceptions.

Error code	Component	Description	Solution/Explanation
SOA-00001	Not determined	Service error	This is the default error sent to the consumer in case no more details are known.
SOA-01001	Consumer	Service call not authenticated	From the security information provided, <ul style="list-style-type: none"> • or the consumer could not be identified • or the credentials provided are not correct
SOA-01002	Consumer	Service call not authorized	<ul style="list-style-type: none"> • The consumer is identified and authenticated but is not allowed to call the given service.
SOA-02001	Provider	Service not available. Please contact service desk	<ul style="list-style-type: none"> • An unexpected error has occurred • Retries will not work • eHealth Contact Center may help with root cause analysis
SOA-02002	Provider	Service temporarily not available. Please try later	<ul style="list-style-type: none"> • An unexpected error has occurred • Retries should work • If the problem persists eHealth Contact Center may help
SOA-03001	Consumer	Malformed message	This is default error for content related errors in case no more details are known.
SOA-03002	Consumer	Message must be SOAP	Message does not respect the SOAP standard
SOA-03003	Consumer	Message must contain SOAP body	Message respects the SOAP standard, but body is missing
SOA-03004	Consumer	WS-I compliance failure	Message does not respect the WS-I standard
SOA-03005	Consumer	WSDL compliance failure	Message is not compliant with WSDL in Registry/Repository
SOA-03006	Consumer	XSD compliance failure	Message is not compliant with XSD in Registry/Repository
SOA-03007	Consumer	Message content validation failure	From the message content (conform XSD): <ul style="list-style-type: none"> • Extended checks on the element format failed • Cross-checks between fields failed



If the cause is a business error, please contact Mycarenet at ServiceDesk@MyCareNet.be.

Business error example :

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
  <soapenv:Body>
    <soapenv:Fault>
      <faultcode>soapenv:Server</faultcode>
      <faultstring>INCORRECT_INSS_DOCTOR_SAML</faultstring>
      <detail>
        <urn:BusinessError Id="urn:uuid:dcdc1fe0-6458-4e38-b954-65fe4f6931dc"
xmlns:urn="urn:be:fgov.ehealth.errors:soa:v1">
          <Origin>MYCARENET</Origin>
          <Code>INCORRECT_INSS_DOCTOR_SAML</Code>
          <Message xml:lang="en">For 'doctor' the SSIN '12345678912' in the CareProvider element must correspond to the
'urn:be:fgov:person:ssin' attribute in the saml '23456789123'</Message>
          <urn:Environment>Acceptation</urn:Environment>
        </urn:BusinessError>
      </detail>
    </soapenv:Fault>
  </soapenv:Body>
</soapenv:Envelope>
```

The soap header (only when the received response is not a SOAP fault) contains a message ID, e.g.:

```
<soapenv:Header>
  <add:MessageID
xmlns:add="http://www.w3.org/2005/08/addressing">6f23cd40-09d2-4d86-b674-
b311f6bdf4a3</add:MessageID>
</soapenv:Header>
```

This message ID is important for tracking of the errors. It should be provided (when available) when requesting support.

