

This document describes the eHealth interface v4 for Patients. The WSDLs and XSDs are available in the package eHealth-xsd-recipe-4.0.1-beta-1-schemas.zip.

## Important remark

Future softwarehouses, who want to integrate with Recip-e, should use a default namespace to their requests, as shown in the example below:

```
<ns2:createPrescriptionParam xmlns:ns2="http://services.recipe.be/prescriber">
  <prescription>MIAGCSq...</prescription>
  <prescriptionType>P0</prescriptionType>
  <feedbackRequested>false</feedbackRequested>
  <patientId>12345678910</patientId>
  <symmKey>/o+1Mc0Hw ... 0/O/kPZ</symmKey>
  <keyId>5MaC/GM ... 6SQA==</keyId>
  <expirationDate>2020-12-01</expirationDate>
  <vision/>
</ns2:createPrescriptionParam>
```

## Instead of

```
<createPrescriptionParam xmlns="http://services.recipe.be/prescriber">
  <prescription>MIAGCSq...</prescription>
  <prescriptionType>P0</prescriptionType>
  <feedbackRequested>false</feedbackRequested>
  <patientId>12345678910</patientId>
  <symmKey>/o+1Mc0Hw ... 0/O/kPZ</symmKey>
  <keyId>5MaC/GM ... 6SQA==</keyId>
  <expirationDate>2020-12-01</expirationDate>
  <vision/>
</createPrescriptionParam>
```

## 1. Overview operations

### 1. CREATERESERVATION

Operation Name	<i>CreateReservation(CreateReservationRequest)</i>			
Class Name	<i>PatientIntegrationModuleV4</i>			
Description	<i>This operation stores a reservation for a given Recip-e identifier. This is only allowed for prescriptions which are NotDelivered.</i>			
Errors	<i>Specific exception details are returned in the encrypted part of the response. See StatusType.message. Technical Services Exception such as a Connection failure to the Recip-e server are caught by eHealth and translated into a SOA-fault.</i>			
Inputs Integration Module	Request-entity	Attribute	Type	Description
	<i>CreateReservationParam</i>	<i>symmKey</i>	<i>Byte []</i>	<i>The symmetric key to be used by Recip-e to encrypt the response</i>
		<i>rid</i>	<i>String</i>	<i>The Recip-e identifier to update</i>
		<i>executorId</i>	<i>String</i>	<i>The executor identifier</i>
		<i>emailAddress</i>	<i>String</i>	<i>The email address</i>
		<i>telephoneNumber</i>	<i>String</i>	<i>The telephone number</i>
		<i>contactPreference</i>	<i>contactPreference</i>	<i>The preferred contact (possible values are defined in the recipe-core.xsd file under the simpleType: contactPreference)</i>
	<i>CreateRelationRequest</i>	<i>securedCreateRelationRequest</i>	<i>Byte[]</i>	<i>The CreateReservationParam-object sealed with the Recip-e ETK</i>
		<i>programId</i>	<i>String</i>	<i>The identifier of the calling patient program</i>

Output Integration Module		<i>id</i>	<i>String</i>	<i>The mguid to identify the request</i>
		<i>issueInstant</i>	<i>DateTime</i>	<i>The current dateTime</i>
	<b>Response-entity</b>	<b>Attribute</b>	<b>Type</b>	<b>Description</b>
	<i>CreateRelationResponse</i>	<i>securedCreateRelationResponse</i>	<i>Byte []</i>	<i>Sealed byte representation of the CreateReservationResult-object. Unseal with the symmetric key from the CreateReservationParam-object.</i>
	<i>CreateReservationResult</i>	<i>status</i>	<i>StatusType</i>	<i>Contains the StatusType-object</i>
		<i>id</i>	<i>String</i>	<i>The id of the response</i>
	<i>StatusType</i>	<i>code</i>	<i>String</i>	<i>100: ok 300: error occurred</i>
		<i>messageCode</i>	<i>String</i>	<i>The technical code of the error message e.g. error.validation.x.y.z</i>
		<i>messages</i>	<i>String</i>	<i>localised message of the technical code in different languages as a LocalisedString object</i>
		<i>statusUpdater</i>	<i>String</i>	<i>The last statusupdater in case an operation is not permitted</i>
		<i>prescriptionStatus</i>	<i>String</i>	<i>the current PrescriptionStatus</i>

## 2. PUTVISIONFORPATIENT

<b>Operation Name</b>	<b><i>PutVisionForPatient(PutVisionForPatientRequest)</i></b>			
<b>Class Name</b>	<b><i>PatientIntegrationModuleV4</i></b>			
<b>Description</b>	<p><i>This operation sets the vision for a given prescription. Possible values for the vision are:</i></p> <ul style="list-style-type: none"> <li><i>Null: visible for all pharmacies</i></li> <li><i>Value with structure: Id-Quality. Type: visibility for the given prescription:</i> <ul style="list-style-type: none"> <li><i>Id: Nihii value of the executor 62599147</i></li> <li><i>Quality: value is PHARMACY</i></li> <li><i>Type: String with value NIHII</i> <ul style="list-style-type: none"> <li><i>For example: 62599147-PHARMACY. NIHII</i></li> </ul> </li> </ul> </li> <li><i>Locked: only visible in the pharmacy where the patient presents the (paper) proof of prescription.</i></li> </ul>			
<b>Errors</b>	<p><i>Specific exceptiondetails are returned in the encrypted part of the response. See StatusType.message. Technical Services Exception such as a Connection failure to the Recip-e server are caught by eHealth and translated into a SOA-fault.</i></p>			
<b>Inputs Integration Module</b>	<b>Request-entity</b>	<b>Attribute</b>	<b>Type</b>	<b>Description</b>
	<i>PutVisionParam</i>	<i>symmKey</i>	<i>Byte []</i>	<i>The symmetric key to be used by Recip-e to encrypt the response</i>
		<i>rid</i>	<i>String</i>	<i>The Recip-e identifier to</i>
		<i>vision</i>	<i>String</i>	<i>The preferred vision value</i>

	<i>PutVisionForPatientRequest</i>	<i>securedPutVisionForPatientRequest</i>	<i>Byte[]</i>	<i>The PutVisionForPatientParam-object sealed with the Recip-e ETK</i>
		<i>programId</i>	<i>String</i>	<i>The identifier of the calling patient program</i>
		<i>id</i>	<i>String</i>	<i>The mguid to identify the request</i>
		<i>issueInstant</i>	<i>DateTime</i>	<i>The current dateTime</i>
<b>Output Integration Module</b>	<b>Response-entity</b>	<b>Attribute</b>	<b>Type</b>	<b>Description</b>
	<i>PutVisionForPatientResponse</i>	<i>securedPutVisionForPatientResponse</i>	<i>Byte []</i>	<i>Sealed byte representation of PutVisionForPatientResult.</i>
	<i>PutVisionResult</i>	<i>status</i>	<i>StatusType</i>	<i>Contains the StatusType-object</i>
		<i>id</i>	<i>String</i>	<i>The id of the message</i>
	<i>StatusType</i>	<i>code</i>	<i>String</i>	<i>100: ok 300: error occurred</i>
		<i>messageCode</i>	<i>String</i>	<i>The technical code of the error message e.g. error.validation.x.y.z</i>
		<i>messages</i>	<i>String</i>	<i>localised message of the technical code in different languages as a LocalisedString object</i>
		<i>statusUpdater</i>	<i>String</i>	<i>The last statusupdater in case an operation is not permitted</i>
		<i>prescriptionStatus</i>	<i>String</i>	<i>the current PrescriptionStatus</i>

### 3. GETVISION

<b>Operation Name</b>	<b>GetVision(GetVisionRequest)</b>			
<b>Class Name</b>	<b>PatientIntegrationModuleV4</b>			
<b>Description</b>	<p>This operation returns the vision for a given prescription. Possible values for the vision are:</p> <ul style="list-style-type: none"> <li>Null: visible for all pharmacies</li> <li>Value with the structure: Id-Quality. Type: visibility for the given prescription: <ul style="list-style-type: none"> <li>Id: Nihii value of the executor 62599147</li> <li>Type: String with value NIHII</li> <li>Quality: value is PHARMACY <ul style="list-style-type: none"> <li>For example: 62599147-PHARMACY. NIHII</li> </ul> </li> </ul> </li> <li>Locked: only visible in the pharmacy where the patient presents the (paper) proof of prescription.</li> </ul>			
<b>Errors</b>	<p>Specific exception details are returned in the encrypted part of the response. See <i>StatusType.message</i>.  Technical Services Exception such as a Connection failure to the Recip-e server are caught by eHealth and translated into a SOA-fault.</p>			
<b>Inputs Integration Module</b>	<b>Request-entity</b>	<b>Attribute</b>	<b>Type</b>	<b>Description</b>
	GetVisionParam	symmKey	Byte []	The symmetric key to be used by Recip-e to encrypt the response
		rid	String	The Recip-e identifier to update
	GetVisionRequest	securedGetVisionRequest	Byte[]	GetVisionParam sealed with the Recip-e ETK
		programId	String	The identifier of the calling patient program
		id	String	The mguid to identify the request
		issueInstant	DateTime	The current dateTime
<b>Output Integration Module</b>	<b>Response-entity</b>	<b>Attribute</b>	<b>Type</b>	<b>Description</b>
	GetVisionResponse	securedGetVisionResponse	Byte []	Sealed byte representation of the GetVisionResult-object. Unseal with the symmetric key from the GetVisionParam.
		status	StatusType	Contains the StatusType-object
	GetVisionResult	vision	String	The vision of the prescription
		code	String	100: ok 300: error occurred
	StatusType	messageCode	String	The technical code of the error message e.g. error.validation.x.y.z
		messages	String	localised message of the technical code in different languages as a LocalisedString object
		statusUpdater	String	The last statusUpdater in case an operation is not permitted
		prescriptionStatus	String	the current PrescriptionStatus

#### 4. GETPRESCRIPTIONSTATUS

<b>Operation Name</b>	<b><i>GetPrescriptionStatus(GetPrescriptionStatusRequest)</i></b>			
<b>Class Name</b>	<b><i>PatientIntegrationModuleV4</i></b>			
<b>Description</b>	<i>This function retrieves the status of a prescription.</i>			
<b>Errors</b>	<i>Specific exception details are returned in the encrypted part of the response. See <i>StatusType.message</i>. Technical Services Exception such as a Connection failure to the Recip-e server are caught by eHealth and translated into a SOA-fault.</i>			
<b>Inputs Integration Module</b>	<b>Request-entity</b>	<b>Attribute</b>	<b>Type</b>	<b>Description</b>
	<i>GetPrescriptionStatusParam</i>	<i>symmKey</i>	<i>Byte []</i>	<i>The symmetric key to be used by Recip-e to encrypt the response</i>
		<i>rid</i>	<i>String</i>	<i>The Recip-e identifier</i>
	<i>GetPrescriptionStatusRequest</i>	<i>securedGetPrescriptionStatusRequest</i>	<i>Byte[]</i>	<i>The GetPrescriptionStatusParam-object sealed with the Recip-e ETK</i>
		<i>programId</i>	<i>String</i>	<i>The identifier of the calling patient program</i>
		<i>id</i>	<i>String</i>	<i>The mguid to identify the request</i>
		<i>issueInstant</i>	<i>DateTime</i>	<i>The current DateTime</i>
<b>Output Integration Module</b>	<b>Response-entity</b>	<b>Attribute</b>	<b>Type</b>	<b>Description</b>
	<i>GetPrescriptionStatusResponse</i>	<i>securedGetPrescriptionStatusResponse</i>	<i>Byte []</i>	<i>Sealed byte representation of the GetPrescriptionStatusResult-object. Unseal with the symmetric key from the GetPrescriptionStatusParam-</i>
	<i>GetPrescriptionStatusResult</i>	<i>status</i>	<i>StatusType</i>	<i>Contains the StatusType-object</i>
		<i>prescriptionStatus</i>	<i>PrescriptionStatus</i>	<i>The status of the prescription</i>
		<i>executorId</i>	<i>String</i>	<i>The executor id who updated the status</i>
	<i>StatusType</i>	<i>code</i>	<i>String</i>	<i>100: ok 300: error occurred</i>
		<i>messageCode</i>	<i>String</i>	<i>The technical code of the error message e.g. error.validation.x.y.z</i>
		<i>messages</i>	<i>String</i>	<i>localised message of the technical code in different languages as a LocalisedString object</i>
		<i>statusUpdater</i>	<i>String</i>	<i>The last statusupdater in case an operation is not permitted</i>
		<i>prescriptionStatus</i>	<i>String</i>	<i>the current PrescriptionStatus</i>

## 5. LISTRIDSHISTORY

<b>Operation Name</b>	<b>ListRidsHistory(ListRidsHistoryRequest)</b>			
<b>Class Name</b>	<b>PatientIntegrationModuleV4</b>			
<b>Description</b>	This function returns a list of Recip-e identifiers and their statuses for a given patientId.			
<b>Errors</b>	Specific exception details are returned in the encrypted part of the response. See <i>StatusType.message</i> . Technical Services Exception such as a Connection failure to the Recip-e server are caught by eHealth and translated into a SOA-fault.			
<b>Inputs Integration Module</b>	<b>Request-entity</b>	<b>Attribute</b>	<b>Type</b>	<b>Description</b>
	ListRidsHistoryParam	symmKey	Byte []	The symmetric key to be used by Recip-e to encrypt the response
		patientId	String	The patientId identifier
		activeResults	Boolean	Flag indicating to query the active or historical partition
		page(optional)	Page	The page to return (by default: the current month).
		session(optional)	Session	The session is returned by the server and is contained in the first paging response. This object facilitates faster processing on the server of subsequent listrequests by storing operation specific state.
	Page	Month(unused)	int	The month of interest
		year(unused)	int	The year of interest
		pageNumber	int	The pagination number
	Session		byte []	The session context. This object is unreadable for the client.
	ListRidsHistoryRequest	securedListRidsHistoryRequest	Byte[]	The ListRidsHistoryParam-object sealed with the Recip-e ETK
		programId	String	The identifier of the calling patient program
		id	String	The mguid to identify the request
<b>Output Integration Module</b>	<b>Response-entity</b>	<b>Attribute</b>	<b>Type</b>	<b>Description</b>
	ListRidsHistoryResponse	securedListRidsHistoryResponse	Byte []	Sealed byte representation of the ListRidsHistoryResult-object. Unseal with the symmetric key from the request-parameters.
	ListRidsHistoryResult	status	StatusType	Contains the StatusType-object
		items	List	The list of ListRidsHistoryResultItem-objects
		hasMoreResults	Boolean	Flag indicating if there are more results

		<i>session</i>	Session	The session is returned by the server and is contained in the first paging response. This object facilitates faster processing on the server of subsequent listrequests by storing operation specific state.
	<i>ListRidsHistoryResultItem</i>	<i>rid</i>	String	The Recip-e identifier
		<i>prescriptionStatus</i>	PrescriptionStatus	The prescription status of the Recip-e identifier
	<i>StatusType</i>	<i>statusCode</i>	String	100: ok 300: error occurred
		<i>code</i>	String	The technical code of the error message e.g. error.validation.x.y.z
		<i>message</i>	String	The error message
		<i>statusUpdater</i>	String	The last statusupdater in case an operation is not permitted

## 6. LISTOPENRIDS

<b>Operation Name</b>	<b>ListOpenRids(ListOpenRidsRequest)</b>			
<b>Class Name</b>	<b>PatientIntegrationModuleV4</b>			
<b>Description</b>	This function returns a list of Recip-e identifiers for the prescriptions with the status NotDelivered.			
<b>Errors</b>	Specific exceptiondetails are returned in the encrypted part of the response. See StatusType.message. Technical Services Exception such as a Connection failure to the Recip-e server are caught by eHealth and translated into a SOA-fault.			
<b>Inputs Integration Module</b>	<b>Request-entity</b>	<b>Attribute</b>	<b>Type</b>	<b>Description</b>
	<i>ListOpenRidsParam</i>	<i>symmKey</i>	Byte []	The symmetric key to be used by Recip-e to encrypt the response
		<i>patientId</i>	String	The patient identification
		<i>page(optional)</i>	Page	The page to return (by default: Page 0).
		<i>session(optional)</i>	Session	The session is returned by the server and is contained in the first paging response. This object facilitates faster processing on the server of subsequent listrequests by storing operation specific state.
	<i>Page</i>	<i>Month(unused)</i>	int	The month of interest
		<i>year(unused)</i>	int	The year of interest
		<i>pageNumber</i>	int	The pagination number
	Session		byte []	The session context. This object is unreadable for the client.
	<i>ListOpenRidsRequest</i>	<i>securedListOpenRidsRequest</i>	Byte[]	Sealed byte representation of the ListOpenRidsParam-object with the Recip-e ETK

		<i>programId</i>	<i>String</i>	<i>The identifier of the calling patient program</i>
		<i>id</i>	<i>String</i>	<i>The mguid to identify the request</i>
		<i>issueInstant</i>	<i>DateTime</i>	<i>The current DateTime</i>
<b>Output Integration Module</b>	<b>Response-entity</b>	<b>Attribute</b>	<b>Type</b>	<b>Description</b>
	<i>ListOpenRidsResponse</i>	<i>securedListOpenRidsResponse</i>	<i>Byte []</i>	<i>Sealed byte representation of the ListOpenRidsResult-object. Unseal with the symmetric key from the request-parameters.</i>
	<i>ListOpenRidsResult</i>	<i>status</i>	<i>StatusType</i>	<i>Contains the StatusType-object</i>
		<i>items</i>	<i>List</i>	<i>The list of ListOpenRidsResultItem-objects</i>
		<i>hasMoreResults</i>	<i>Boolean</i>	<i>Flag indicating if there are more results</i>
		<i>session</i>	<i>Session</i>	<i>The session is returned by the server and is contained in the first paging response. This object facilitates faster processing on the server of subsequent listrequests by storing operation specific state.</i>
	<i>ListOpenRidsResultItem</i>	<i>rid</i>	<i>String</i>	<i>The Recip-e identifier</i>
		<i>reservedAtNihii</i>	<i>String</i>	<i>The nihii of the executor if the prescription is reserved.</i>
		<i>vision</i>	<i>String</i>	<i>The vision of the reserved prescription</i>
		<i>creationdate</i>	<i>Calendar</i>	<i>The creationdate of the prescription</i>
		<i>expirationDate</i>	<i>Calendar</i>	<i>The expirationdate of the prescription</i>
		<i>prescriptionStatus</i>	<i>PrescriptionStatus</i>	<i>The status of the prescription</i>
		<i>patientId</i>	<i>String</i>	<i>The patient identifier</i>
		<i>prescriberId</i>	<i>String</i>	<i>The prescriber identifier</i>
		<i>emailAddress</i>	<i>String</i>	<i>The preferred email address</i>
		<i>telephoneNumber</i>		<i>The preferred telephone number</i>
		<i>contactPreference</i>	<i>ContactPreference</i>	<i>The preferred contact. (possible values are defined in the recipe-core.xsd file under the simpleType: contactPreference)</i>
	<i>StatusType</i>	<i>code</i>	<i>String</i>	<i>100: ok 300: error occurred</i>
		<i>messageCode</i>	<i>String</i>	<i>The technical code of the error message e.g. error.validation.x.y.z</i>
		<i>messages</i>	<i>String</i>	<i>localised message of the technical code in different languages as a LocalisedString object</i>
		<i>statusUpdater</i>	<i>String</i>	<i>The last statusupdater in case an operation is not permitted</i>
		<i>prescriptionStatus</i>	<i>String</i>	<i>the current PrescriptionStatus</i>



## 7. LISTRELATIONS

<b>Operation Name</b>	<b>ListRelations(PatientRelationRequest)</b>			
<b>Class Name</b>	<b>PatientIntegrationModuleV4</b>			
<b>Description</b>	This operation returns a list of PatientRelation-entities.			
<b>Errors</b>	Specific exception details are returned in the encrypted part of the response. See <i>StatusType.message</i> . Technical Services Exception such as a Connection failure to the Recip-e server are caught by eHealth and translated into a SOA-fault.			
<b>Inputs Integration Module</b>	<b>Request-entity</b>	<b>Attribute</b>	<b>Type</b>	<b>Description</b>
	ListRelationsParam	symmKey	Byte []	The symmetric key to be used by Recip-e to encrypt the response
	ListRelationsRequest	securedListRelationsRequest	Byte[]	The sealed byte representation of PatientRelationParam-object
		programId	String	The identifier of the calling patient program
		id	String	The mguid to identify the request
		issueInstant	DateTime	The current DateTime
<b>Output Integration Module</b>	<b>Response-entity</b>	<b>Attribute</b>	<b>Type</b>	<b>Description</b>
	ListRelationsResponse	securedListRelationsResponse	Byte []	Sealed byte representation of the ListRelationsResult -object. Unseal with the symmetric key from the request-parameters.
	ListRelationsResult	status	StatusType	Contains the StatusType-object
		items	List	The list of ListRelationsItem-objects
		hasMoreResults	Boolean	Flag indicating if there are more results
		session	Byte[]	The session is returned by the server and is contained in the first paging response. This object facilitates faster processing on the server of subsequent listrequests by storing operation specific state.
	ListRelationsItem	patientId	String	The patientId who mandates the linkedPatientId
		patientFirstname	String	The firstname of the patient
		patientLastname	String	The lastname of the patient
		endDate	Calendar	The (optional) enddate of the relation

		<i>mandateHolderId</i>		<i>The mandate holder of the patient</i>
	<i>StatusType</i>	<i>code</i>	<i>String</i>	<i>100: ok 300: error occurred</i>
		<i>messageCode</i>	<i>String</i>	<i>The technical code of the error message e.g. error.validation.x.y.z</i>
		<i>messages</i>	<i>String</i>	<i>localised message of the technical code in different languages as a LocalisedStrina object</i>
		<i>statusUpdater</i>	<i>String</i>	<i>The last statusupdater in case an</i>
		<i>prescriptionStatus</i>	<i>String</i>	<i>the current PrescriptionStatus</i>

## 8. CREATERELATION

<b>Operation Name</b>	<b>CreateRelation(PatientRelationRequest)</b>			
<b>Class Name</b>	<b>PatientIntegrationModuleV4</b>			
<b>Description</b>	<i>This operation creates aPatientRelation-entity.</i>			
<b>Errors</b>	<i>Specific exceptiondetails are returned in the encrypted part of the response. See StatusType.message. Technical Services Exception such as a Connection failure to the Recip-e server are caught by eHealth and translated into a SOA-fault.</i>			
<b>Inputs Integration Module</b>	<b>Request-entity</b>	<b>Attribute</b>	<b>Type</b>	<b>Description</b>
	<i>CreateRelationParam</i>	<i>symmKey</i>	<i>Byte []</i>	<i>The symmetric key to be used by Recip-e to</i>
		<i>mandateHolderId</i>	<i>String</i>	<i>The mandate holder of the patient</i>
		<i>patientFirstname</i>	<i>String</i>	<i>The firstname of the patient</i>
		<i>patientLastname</i>	<i>String</i>	<i>The lastname of the patient</i>
		<i>endDate</i>	<i>Calendar</i>	<i>The (optional) enddate of the relation</i>
	<i>CreateRelationRequest</i>	<i>securedCreateRelationRequest</i>	<i>Byte[]</i>	<i>The CreateRelationParam object sealed with</i>
		<i>programId</i>	<i>String</i>	<i>The identifier of the calling patient program</i>
		<i>id</i>	<i>String</i>	<i>The mguid to identify the request</i>
		<i>issueInstant</i>	<i>DateTime</i>	<i>The current DateTime</i>
<b>Output Integration Module</b>	<b>Response-entity</b>	<b>Attribute</b>	<b>Type</b>	<b>Description</b>
	<i>CreateRelationResult</i>	<i>securedCreateRelationResult</i>	<i>Byte []</i>	<i>Sealed byte representation of the CreateRelationResult - object.</i>
	<i>CreateRelationResult</i>	<i>status</i>	<i>StatusType</i>	<i>Contains the StatusType-object</i>

	<i>StatusType</i>	<i>code</i>	<i>String</i>	100: ok 300: error occurred
		<i>messageCode</i>	<i>String</i>	The technical code of the error message e.g. error.validation.x.y.z
		<i>messages</i>	<i>String</i>	localised message of the technical code in different languages as
		<i>statusUpdater</i>	<i>String</i>	The last statusupdater in case an operation is
		<i>prescriptionStatus</i>	<i>String</i>	the current PrescriptionStatus

## 9. REVOKERELATION

<b>Operation Name</b>	<b><i>RevokeRelation(PatientRelationRequest)</i></b>			
<b>Class Name</b>	<b><i>PatientIntegrationModuleV4</i></b>			
<b>Description</b>	<i>This operations revokes a PatientRelation-entities.</i>			
<b>Errors</b>	<i>Specific exceptiondetails are returned in the encrypted part of the response. See StatusType.message. Technical Services Exception such as a Connection failure to the Recip-e server are caught by eHealth and translated into a SOA-fault.</i>			
	<b>Request-entity</b>	<b>Attribute</b>	<b>Type</b>	<b>Description</b>
	<i>RevokeRelationParam</i>	<i>symmKey</i>	<i>Byte []</i>	The symmetric key to be used by Recip-e to
		<i>mandateHolderId</i>	<i>String</i>	The mandate holder of the patient
	<i>RevokeRelationRequest</i>	<i>securedRevokeRelationRequest</i>	<i>Byte[]</i>	The RevokeRelationParam -object sealed with the Recip-e ETK
		<i>programId</i>	<i>String</i>	The identifier of the calling patient program
		<i>id</i>	<i>String</i>	The mguid to identify the request
		<i>issueInstant</i>	<i>DateTime</i>	The current DateTime
<b>Output Integration Module</b>	<b>Response-entity</b>	<b>Attribute</b>	<b>Type</b>	<b>Description</b>
	<i>RevokeRelationResponse</i>	<i>securedRevokeRelationResponse</i>	<i>Byte []</i>	Sealed byte representation of the RevokeRelationResult -object. Unseal with the symmetric key from the request-parameters.
	<i>RevokeRelationResult</i>	<i>status</i>	<i>StatusType</i>	Contains the StatusType-object
	<i>StatusType</i>	<i>code</i>	<i>String</i>	100: ok 300: error occurred

	<i>messageCode</i>	<i>String</i>	<i>The technical code of the error message e.g. error.validation.x.y.z</i>
	<i>messages</i>	<i>String</i>	<i>localised message of the technical code in different languages as a LocalisedString object</i>
	<i>statusUpdater</i>	<i>String</i>	<i>The last statusUpdater in case an operation is not permitted</i>
	<i>prescriptionStatus</i>	<i>String</i>	<i>the current PrescriptionStatus</i>

## 10. GETPRESCRIPTION

<b>Operation Name</b>	<b><i>getPrescription(GetPrescriptionForPatientRequest)</i></b>			
<b>Class Name</b>	<b><i>PatientIntegrationModuleV4</i></b>			
<b>Description</b>	<i>This operation returns a prescription for a given Recip-e identifier. This operation does not modify the status of the prescription to InProcess.</i>			
<b>Errors</b>	<i>Specific exception details are returned in the encrypted part of the response. See StatusType.message. Technical Services Exception such as a Connection failure to the Recip-e server are caught by eHealth and translated into a SOA-fault.</i>			
<b>Inputs Integration Module</b>	<b>Request-entity</b>	<b>Attribute</b>	<b>Type</b>	<b>Description</b>
	<i>GetPrescriptionForPatientParam</i>	<i>symmKey</i>	<i>Byte []</i>	<i>The symmetric key to be used by Recip-e to encrypt the response</i>
		<i>rid</i>	<i>String</i>	<i>The Recip-e identifier</i>
	<i>GetPrescriptionRequest</i>	<i>securedGetPrescriptionRequest</i>	<i>Byte[]</i>	<i>The GetPrescriptionForPatientParam-object, sealed with the Recip-e ETK</i>
		<i>programId</i>	<i>String</i>	<i>The identifier of the calling patient program</i>
		<i>id</i>	<i>String</i>	<i>The mguid to identify the request</i>
		<i>issueInstant</i>	<i>DateTime</i>	<i>The current DateTime</i>
<b>Output Integration Module</b>	<b>Response-entity</b>	<b>Attribute</b>	<b>Type</b>	<b>Description</b>
	<i>GetPrescriptionResponse</i>	<i>securedGetPrescriptionResponse</i>	<i>Byte []</i>	<i>Sealed byte representation of the GetPrescriptionForPatientResult-object. Unseal with the symmetric key from the request-parameters.</i>
	<i>GetPrescriptionForPatientResult</i>	<i>status</i>	<i>StatusType</i>	<i>Contains the StatusType-object</i>
		<i>creationDate</i>	<i>Calendar</i>	<i>The date of creation</i>
		<i>encryptionKeyId</i>	<i>String</i>	<i>The identifier of the encryption key</i>

		<i>feedbackAllowed</i>	<i>boolean</i>	<i>Flag indicating if feedback is allowed</i>
		<i>patientId</i>	<i>String</i>	<i>The patient identifier</i>
		<i>prescriberId</i>	<i>String</i>	<i>The prescriber identifier</i>
		<i>prescription</i>	<i>Byte []</i>	<i>The encrypted prescription. Use the Kgss encryptionKeyld to decrypt.</i>
		<i>prescriptionType</i>	<i>String</i>	<i>The type of prescription (P0 or P1)</i>
		<i>rid</i>		<i>The Recip-e identifier</i>
		<i>expirationDate</i>	<i>Calendar</i>	<i>The date of expiration</i>
	<i>StatusType</i>	<i>code</i>	<i>String</i>	<i>100: ok 300: error occurred</i>
		<i>messageCode</i>	<i>String</i>	<i>The technical code of the error message e.g. error.validation.x.v.z</i>
		<i>messages</i>	<i>String</i>	<i>localised message of the technical error</i>
		<i>statusUpdater</i>	<i>String</i>	<i>The last statusupdater in case an error occurred</i>
		<i>prescriptionStatus</i>	<i>String</i>	<i>the current PrescriptionStatus</i>

## 11. LISTOPENPRESCRIPTIONS

<b>Operation Name</b>	<i>listOpenPrescriptions(ListPatientPrescriptions)</i>			
<b>Class Name</b>	<i>PatientIntegrationModuleV4</i>			
<b>Description</b>	<i>This operation lists the prescription for a given patient which have the status NotDelivered.</i>			
<b>Errors</b>	<i>Specific exception details are returned in the encrypted part of the response. See StatusType.message. Technical Services Exception such as a Connection failure to the Recip-e server are caught by eHealth and translated into a SOA-fault.</i>			
<b>Inputs Integration Module</b>	<b>Request-entity</b>	<b>Attribute</b>	<b>Type</b>	<b>Description</b>
	<i>ListPatientPrescriptionsParam</i>	<i>symmKey</i>	<i>Byte []</i>	<i>The symmetric key to be used by Recip-e to encrypt the response</i>
		<i>page(optional)</i>	<i>Page</i>	<i>The page to return (by default: Page 0).</i>
	<i>ListOpenPrescriptionsRequest</i>	<i>securedListOpenPrescriptionsRequest</i>	<i>Byte[]</i>	<i>The ListPatientPrescriptionsParam - object sealed with the Recip-e ETK</i>
		<i>programId</i>	<i>String</i>	<i>The identifier of the calling executor program</i>

		<i>id</i>	<i>String</i>	<i>The mguid to identify the request</i>
	<i>Page</i>	<i>Month(unused)</i>	<i>int</i>	<i>The month of interest</i>
		<i>year(unused)</i>	<i>int</i>	<i>The year of interest</i>
		<i>pageNumber</i>	<i>int</i>	<i>The pagination number (0-based)</i>
<b>Output Integration Module</b>	<b>Response-entity</b>	<b>Attribute</b>	<b>Type</b>	<b>Description</b>
	<i>ListOpenPrescriptionsResponse</i>	<i>securedListOpenPrescriptionsResponse</i>	<i>Byte []</i>	<i>Sealed byte representation of the ListPatientPrescriptionsResult-object.</i>
	<i>ListPatientPrescriptionsResult</i>	<i>status</i>	<i>StatusType</i>	<i>Contains the StatusType-object</i>
		<i>prescriptions</i>	<i>List&lt;GetOpenPrescriptionForPatient&gt;</i>	<i>List of GetOpenPrescriptionForPatient-objects</i>
		<i>hasMoreResults</i>	<i>Boolean</i>	<i>Flag indicating if there are more results</i>
		<i>status</i>	<i>StatusType</i>	
		<i>id</i>	<i>String</i>	
	<i>GetOpenPrescriptionForPatient</i>	<i>id</i>	<i>String</i>	<i>The Recip-e identifier</i>
		<i>prescriptionStatus</i>	<i>PrescriptionStatus</i>	<i>The prescription status of the Recip-e identifier</i>
		<i>creationdate</i>	<i>Date</i>	<i>The creation date of the prescription</i>
		<i>patientId</i>	<i>String</i>	<i>The patientId</i>
		<i>prescription</i>	<i>Byte []</i>	<i>The prescription bytes</i>
		<i>feedbackAllowed</i>	<i>Boolean</i>	<i>Flag indicating feedback is allowed or not</i>

		<i>expirationDate</i>	<i>Calendar</i>	<i>The expiration date of the prescription</i>
		<i>prescriptionType</i>	<i>String</i>	<i>The prescription type</i>
		<i>encryptionKeyId</i>	<i>String</i>	<i>The encryption key id</i>
		<i>prescriberId</i>	<i>String</i>	<i>The prescriber id</i>
		<i>emailAddress</i>	<i>String</i>	<i>The preferred email address</i>
		<i>telephoneNumber</i>		<i>The preferred telephone number</i>
		<i>contactPreference</i>	<i>ContactPreference</i>	<i>The preferred contact. (possible values are defined in the recipe-core.xsd file under the simpleType: contactPreference)</i>
	<i>StatusType</i>	<i>messageCode</i>	<i>String</i>	<i>The technical code of the error message e.g. error.validation.x.y.z</i>
		<i>code</i>	<i>String</i>	<i>The technical code number</i>
		<i>messages</i>	<i>String</i>	<i>localised message of the technical code in different languages as a LocalisedString object</i>
		<i>statusUpdater</i>	<i>String</i>	<i>The last statusupdater in case an operation is not permitted</i>
		<i>prescriptionStatus</i>	<i>String</i>	<i>the current PrescriptionStatus</i>

## 12. REVOKEPRESCRIPTION

<b>Operation Name</b>	<b><i>RevokePrescription(RevokePrescriptionRequest)</i></b>
<b>Class Name</b>	<b><i>PatientIntegrationModuleV4</i></b>

<b>Description</b>	<i>This operation revokes a prescription and removes the prescription bytes.</i>			
<b>Errors</b>	<i>Specific exception details are returned in the encrypted part of the response. See <code>StatusType.message</code>. Technical Services Exception such as a Connection failure to the Recip-e server are caught by eHealth and translated into a SOA-fault.</i>			
<b>Inputs Integration Module</b>	<b>Request-entity</b>	<b>Attribute</b>	<b>Type</b>	<b>Description</b>
	<i>RevokePrescriptionParam</i>	<i>symmKey</i>	<i>Byte []</i>	<i>The symmetric key to be used by Recip-e to encrypt the response</i>
		<i>rid</i>	<i>String</i>	<i>The Recip-e identifier</i>
		<i>reason</i>	<i>String</i>	<i>The reason of revocation</i>
	<i>RevokePrescriptionRequest</i>	<i>securedRevokePrescriptionRequest</i>	<i>Byte[]</i>	<i>The RevokePrescriptionParam-object sealed with the Recip-e ETK</i>
		<i>programId</i>	<i>String</i>	<i>The identifier of the calling patient program</i>
		<i>id</i>	<i>String</i>	<i>The mguid to identify the request</i>
		<i>issueInstant</i>	<i>DateTime</i>	<i>The current DateTime</i>
<b>Output Integration Module</b>	<b>Response-entity</b>	<b>Attribute</b>	<b>Type</b>	<b>Description</b>
	<i>RevokePrescriptionResponse</i>	<i>securedRevokePrescriptionResponse</i>	<i>Byte []</i>	<i>Sealed byte representation of the RevokePrescriptionResult-object. Unseal with the symmetric key from the request.</i>
	<i>RevokePrescriptionResult</i>	<i>status</i>	<i>StatusType</i>	<i>Contains the StatusType-object</i>
	<i>StatusType</i>	<i>code</i>	<i>String</i>	<i>100: ok 300: error occurred</i>
		<i>messageCode</i>	<i>String</i>	<i>The technical code of the error message e.g. error.validation.x.y.z</i>



		<i>messages</i>	<i>String</i>	<i>localised message of the technical code in different languages as a LocalisedString object</i>
		<i>statusUpdater</i>	<i>String</i>	<i>The last statusupdater in case an operation is not permitted</i>
		<i>prescriptionStatus</i>	<i>String</i>	<i>the current PrescriptionStatus</i>

### 13. UPDATEFEEDBACKFLAG

<b>Operation Name</b>	<b><i>UpdateFeedbackFlag (UpdateFeedbackFlagRequest)</i></b>			
<b>Class Name</b>	<b><i>PatientIntegrationModuleV4</i></b>			
<b>Description</b>	<i>This operation updates the feedback-flag for a given prescription</i>			
<b>Errors</b>	<i>Specific exceptiondetails are returned in the encrypted part of the response. See StatusType.message. Technical Services Exception such as a Connection failure to the Recip-e server are caught by eHealth and translated into a SOA-fault.</i>			
<b>Inputs Integration Module</b>	<b>Request-entity</b>	<b>Attribute</b>	<b>Type</b>	<b>Description</b>
	<i>UpdateFeedbackFlagParam</i>	<i>symmKey</i>	<i>Byte []</i>	<i>The symmetric key to be used by Recip-e to encrypt the response</i>
		<i>rid</i>	<i>String</i>	<i>The Recip-e identifier</i>
		<i>allowFeedback</i>	<i>Boolean</i>	<i>Flag indicating if feedback is allowed.</i>
	<i>PutFeedbackFlagRequest</i>	<i>securedPutFeedbackFlagRequest</i>	<i>Byte[]</i>	<i>The UpdateFeedbackFlagParam-object sealed with the Recip-e ETK</i>
		<i>programId</i>	<i>String</i>	<i>The identifier of the calling patient program</i>

		<i>id</i>	<i>String</i>	<i>The mguid to identify the request</i>
		<i>issueInstant</i>	<i>DateTime</i>	<i>The current DateTime</i>
<b>Output Integration Module</b>	<b>Response-entity</b>	<b>Attribute</b>	<b>Type</b>	<b>Description</b>
	<i>PutFeedbackFlagResponse</i>	<i>securedPutFeedbackFlagResponse</i>	<i>Byte []</i>	<i>Sealed byte representation of the UpdateFeedbackFlagResult-object. Unseal with the symmetric key from the request.</i>
	<i>UpdateFeedbackFlagResult</i>	<i>status</i>	<i>StatusType</i>	<i>Contains the StatusType-object</i>
	<i>StatusType</i>	<i>code</i>	<i>String</i>	<i>100: ok 300: error occurred</i>
		<i>messageCode</i>	<i>String</i>	<i>The technical code of the error message e.g. error.validation.x.y.z</i>
		<i>messages</i>	<i>String</i>	<i>localised message of the technical code in different languages as a LocalisedString object</i>
		<i>statusUpdater</i>	<i>String</i>	<i>The last statusupdater in case an operation is not permitted</i>
		<i>prescriptionStatus</i>	<i>String</i>	<i>the current PrescriptionStatus</i>

## 2. Overview of changes of this document

Version Number	Date	Author	Changes (content)	Available as of
Version 1	2019/09/30	Recip-e	Initial version	
Version 2	2019/11/14	Recip-e	<ul style="list-style-type: none"> <li>Add <i>activeResults</i> to <i>ListRidsHistoryParam</i></li> <li><i>ListOpenRidsResultItem</i> contains the following extra fields: <ul style="list-style-type: none"> <li><i>expirationDate</i></li> <li><i>prescriptionStatus</i></li> <li><i>patientId</i></li> <li><i>prescriberId</i></li> </ul> </li> </ul>	<i>Release 2020Q1</i>

Version 3	2020/10/21	Recip-e	Add firstname/lastname/enddate of <i>CreateRelationParam</i>	Release 2020Q3
Version 4	2020/11/26	Recip-e	Add information on use of default namespace	<i>Release 2020Q4</i>
Version 5	2020/12/01	Recip-e	Removed <i>mandateHolderId</i> from <i>ListRelationsParam</i>	
Version 6	2021/08/12	Recip-e	Add contact details and preference to <i>CreateReservationParam</i>	<i>Release 2021Q3</i>
Version 7	2021/08/30	Recip-e	Add contact details and preference to <i>ListOpenRidsResultItem</i> and <i>GetOpenPrescriptionForPatient</i>	<i>Release 2021Q3</i>
Version 8	2021/09/09	Recip-e	Update outdated info	<i>Release 2021Q3</i>
Version 9	2021/10/18	Recip-e	Update outdated info	<i>Release 2021Q4</i>