
eHealth platform – G19 report

Hub service “getAccessRight” : functional description

Version	Date	Description
1.0	30/07/2010	First release hub – metahub system.

Introduction

This document aims to provide the *functional description* of the service ‘getAccessRight’ that should be provided by each hub to its clients (hospitals, GP server, etc.).

The description is limited to functional elements: purpose, business XML messages. Pragmatic considerations such as security and WSDL descriptions are out-of-scope of this document. The description does not include the overall usage conditions that have to be implemented by the hubs (e.g. regarding the legal aspects).

This document is a part of KMEHR specification. (<https://www.ehealth.fgov.be/standards/kmehr/>)

The document is structured as follows:

- We first provide a ‘functional description’ of the service (purpose, input and output parameters independently of their XML representation ...).
- We then translate this functional description into a KMEHR service (i.e. we describe the expected input and output messages)

This document does not contain any XML example. Those examples are available on the kmehr site.

1 Functional description

Service name	getAccessRight
Purpose	This service should be used to get the access rights on a transaction within the hub.
Input parameters	<ul style="list-style-type: none"> - the identifier of the transaction T - the sender S of the request, i.e. the healthcare party that performs the operation call - information about the transaction (id/date/time)
Output parameters	<ul style="list-style-type: none"> - the initial request - an acknowledge indicating the completion of the request - the list of access rights that are currently active on the transaction. If there is no access right, the service returns an empty list.
Post-condition	
Possible exceptions	<ul style="list-style-type: none"> - Technical error - Invalid or incorrect data : <ul style="list-style-type: none"> - Invalid transaction identifier - S is not accredited within the hub - S is not allowed to perform the operation according to the hub rules - There is no active consent for P concerned by the transaction
Comments	<ul style="list-style-type: none"> - Identification of the transaction: the allowed identifiers are the local identifier provided by the owner of the transaction or the identifier provided by the hub. - About external transaction: if the transaction comes from another hub, the access rights must be retrieved through the owner hub.

2 Message description

2.1 Syntax: XSchema

Operation name	getAccessRight
Input data	request x select
Output data	response x acknowledge x accessrightlist

2.2 Semantics: rules and interpretation

2.2.1 Input data

The 'request' parameter gathers the elements relative to the

- information about the request (id, date, time),
- sender of the request.

The 'select' parameter covers the

- the transaction identifier.

Parameter	Attributes		Comments
request	id [1]	Identification of the request within the caller system.	
	author [1]	The sender of the request represented as a sequence of <i>hparty</i> elements. It must at least contain the healthcare party corresponding to the organization responsible of the system.	This information must be coherent with the information provided in the technical identification and authentication system (eg certificate).
	date [1]	Date of request	
	time [1]	Time of request	
select	transaction [1]	The identifier of the transaction	Contains the identifiers of the transaction (local identifier or the hub identifier)

2.2.2 Output data

The 'response' parameter gathers the elements relative to the

- information about the response (id, date, time),
- initial request,
- sender of the response.

The 'acknowledge' parameter gathers the element relative to the

- service completion,
- errors or exceptions that occurred during the service execution.

The 'accessrightlist' parameter covers

- access right.

Parameter	Attributes		Comments
response	id [1]	Identifier of the response within the target hub	

	author [1]	Sender of the response: the target hub		
	date [1]	Date of response		
	time [1]	Time of response		
	request [1]	Initial request		
acknowledge	iscomplete [1]	Indicates if the execution has been successfully completed		If the conditions were fulfilled to compute a list of results – even empty -, iscomplete is set to 'true'; it is set to 'false' otherwise.
	error [0-*	Indicates the error/exception descriptions		
accessrightlist[0-1]	accessright[0-*	transaction [1]	The identifier of the transaction	Contains the identifiers of the transaction (local identifier or the hub identifier) The element 'accessrightlist' is present if the acknowledge is 'true'.
		hparty [1]	The restriction on the actor or the specialization	
		cd [1]	The type of access right	