

Exemption Registry
Interface description
Version 1.2 – valid from 30.11.2021

KOMB:IT

Kommunernes it-fællesskab

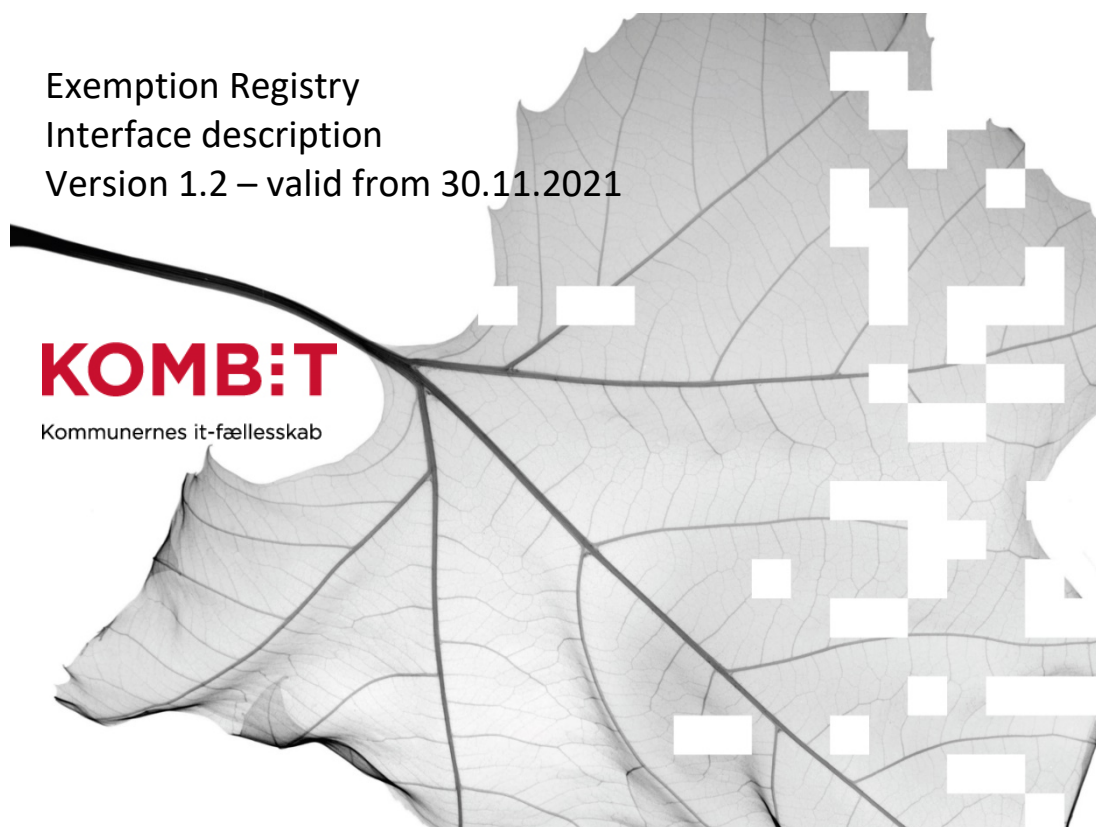


Table of contents

1 Document and version summary.....	3
2 Introduction	4
2.1 Target group.....	4
2.2 Reading guide	4
2.2.1 Illustration of hierarchical structures.....	4
2.2.2 Data structure Tables	5
3 Services	6
3.1 IsAlive.....	6
3.2 OpretUndtagelse.....	6
3.3 ErBorgerUndtaget.....	6
3.4 DigitalCommunicationAllowed	6
3.4.1 Request	6
3.4.2 Response	7
3.5 HentAktiveUndtagelser.....	7
3.5.1 Request	7
3.5.2 Response	8
3.6 HentAlleUndtagelser	9
3.6.1 Request	9
3.6.2 Response	9
3.7 FravaerOphoerer	10
3.8 UndtagelseOphoerer	10
4 Sample Collection	11
4.1 DigitalCommunicationAllowed	11
4.1.1 Not excluded absence.....	11
4.1.1.1 Request.....	11

4.1.1.2	Response	11
4.1.2	Excluded Absences	11
4.1.2.1	Request	11
4.1.2.2	Response	11
5	End-points	13

1 Document and version summary

Document name	Undtagelsesregister snitfladebeskrivelse
Document owner	KOMBIT

Version	Date	Change
1.0	07.03.2017	Created
1.0	04.10.2018	Updated
1.1	07.10.2019	Added new section 6 about security
1.2	30.11.2021	<p>Updated – no new functionality just more detailed</p> <p>Section 3.5 Description added</p> <p>Section 3.5.1:</p> <ul style="list-style-type: none"> - 'Properties' replaced with 'Parameters' <p>Section 3.5.2:</p> <ul style="list-style-type: none"> - 'Properties' replaced with 'Array of Objects ExceptedFravaer which has following fields' - Fields and description added <p>Section 3.6.1 added</p> <p>Section 3.6.2 added</p>

2 Introduction

It is obligatory by law to fill out notification letters and other relevant reports in the digital self-service solution MitSygefravær. Citizens can however petition their local municipality office to be exempt from this law.

The exemption register is a web service that allows users with special privileges to log onto NemRefusion and exempt a citizen from digital self-service, close existing exemptions and see already existing exemptions. The user searches out citizens based on their CPR number and creates exemption on a per absence basis.

When a citizen logs on to MitSygefravær, a call to the exemption register is made, and if any exempted absences are returned, these are made inactive to prevent the citizen from responding to the municipality. It is however still possible to report fit for duty to the municipality in case of recovery.

2.1 Target group

This interface description is intended for the specialist system for the administration and payment of sickness benefit.

2.2 Reading guide

The interface description is divided into the following chapters:

Chapter 2 provides an introduction to the interface description, which includes its purpose, who the target group is, instructions how to use it.

Chapter 3 describes the operations that the Exemption Registry provides.

Chapter 4 describes XML examples of the operations used for communication with the Exemption Registry.

Chapter 5 contains the available endpoints

2.2.1 Illustration of hierarchical structures

All the data structures are XML Structures. The hierarchy of these structures is illustrated as shown in table 1.2-1

Representation	Element
HeaderStruktur	Field/structure required
Signature	Field/structure not required

Table 2.2-1 Specify items used in figures

2.2.2 Data structure Tables

The fields in each structure are documented in tables. The fields are represented as shown in table 1.2-2

Representation	Element
[Term]	Required field marked with Bold .
<i>[Term]</i>	Attribute marked with <i>Italic</i> .
+	Structure, described in new table
[link]	Structure described elsewhere. Such as www.digitaliser.dk
[Term]	Left set indicates top level in structure
[Term]	Right set indicates internal level in structure
[Term] (RO)	(RO) Indicates that the entire structure or single fields is read only, for the kommuneservice.

Table 2.2-2 Description of entries in tables

The header of the tables indicates the structure that the table documents. In addition to the name of the structure itself, it is also specified where in the parent hierarchy it is located. For instance the "HeaderStruktur.**BeskedSamling**" indicates that it is the structure "BeskedSamling" that is described and is a sub-element of the structure "HeaderStruktur". You may have more than one level.

3 Services

The Exemption Registry is implemented as a WCF web service. The service exposes the following methods:

3.1 IsAlive

Checks to see if the connection to the database is established and returns a string saying whether it is or not.

3.2 OpretUndtagelse

Takes a CPR number and a list of absences as input and creates exemptions for these absences in the database.

3.3 ErBorgerUndtaget

Takes a CPR number as input and returns the exempted absences registered for the citizen in the database.

3.4 DigitalCommunicationAllowed

3.4.1 Request

Inquire if a given absence is exempted from digital communication.	
Properties	
CPRNummer	String: The CPR-number of the Citizen.
CVRNummer	String: The CVR number of the company with which the citizen has employment relationships. Used only if the Update is set to a true Value.
FirstDate	DateTime: First absence date for Absence. Used only if the Update is set to a true Value.
FravaerUUID	GUID: NemRefusion UUID of the Citizen's absence.
LastDate	Nullable<DateTime>: If specified, the last absence date of the Absence. Used only if the Update is set to a true Value.
SigningDate	Nullable<DateTime>: The time of signing the current Report.
Update	Boolean: If this is the parameter is true, then the fravær UUID is added to the list of excluded absences, if there is an active exemption for the citizen and the current absence is not already exempted. If the value is not specified, a false value is Used.

3.4.2 Response

Returns uniquely whether a given absence is exempted from digital communication.	
Properties	
Boolean	Indicates by a true/false digital communication if value is allowed. The structure is documented below.

3.5 HentAktiveUndtagelser

Gets activ exemptions.

3.5.1 Request

Inquire if a given absence is exempted from digital communication.	
Parameters	
CPRNummer	String: The CPR-number of the Citizen.
page_size	Integer: The size of the page.
page	Integer: The number of the page.

3.5.2 Response

Returns all the active exemptions registered for a given CPR number, for the specific page.	
Array of Objects ExceptedFravaer which has following fields	
CPRNummer	String: The CPR-number of the Citizen.
CVRNummer	String: The CVR number of the company with which the citizen has employment relationships.
FirstDate	DateTime: First date of exemption.
FravaerUUID	GUID: NemRefusion UUID of the Citizen's absence.
UndtagelseUUID	GUID: Exemption UUID
LastDate	Nullable<DateTime>: Last day of Exemption. In method HentAktiveUndtagelser it is empty.
SigningDate	Nullable<DateTime>: empty/null in method HentAktiveUndtagelser.
Excepted	Boolean: Tells if the entry is Excepted. True in method HentAktiveUndtagelser.

Reason	<p>Enum AbsenceTerminationReason, it could have following values:</p> <p>None=0,</p> <p>Moved = 10,</p> <p>Case49_91 = 19,</p> <p>ChangeKind = 22,</p> <p>System = 23,</p> <p>Temporary = 24,</p> <p>DigitalValgt = 30,</p> <p>Rask = 32</p> <p>None (0) in the method HentAktiveUndtagelser</p>
ManualException	<p>Boolean: Tells if it manuall exemption. False in method HentAktiveUndtagelser</p>

3.6 HentAlleUndtagelser

Returns all active exemptions registered for a given CPR number.

3.6.1 Request

Parameters	
CPRNummer	String: The CPR-number of the Citizen.
OnlyActive	Boolean: tells if only active exemptions should be returned.
page_size	Integer: The size of the page.
page	Integer: The number of the page.

3.6.2 Response

Exactly the same as it is in point 3.5.2

3.7 FravaerOphoerer

Is called if an absence is terminated, for example if a citizen recovers from his or her illness. The method is called with the citizens CPR number, a Guid identifying the absence, a last absence date and a reason for termination. This method then calls the next method, UndtagelsesOphoerer.

3.8 UndtagelseOphoerer

Is called by FravaerOphoerer to close the exemption if the absence is also closed. The method can also be called directly, if a citizen wishes to cancel his or her exemption and start using digital communication. Inputs are the citizen CPR number, an absence termination reason and a termination date for the exemption.

4 Sample Collection

4.1 DigitalCommunicationAllowed

4.1.1 Not excluded absence

4.1.1.1 Request

```
<?xml version="1.0" encoding="utf-16"?>
<DigitalCommunicationAllowed xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://tempuri.org/">
  <CPRNumber>1234561234</CPRNumber>
  <CVRNumber>12345678</CVRNumber>
  <FirstDate>2017-01-23T00:00:00</FirstDate>
  <FravaerUUID>6671dabc-19c3-42c0-ad60-b0e1c9aa41e6</FravaerUUID>
  <LastDate>2017-02-13T00:00:00</LastDate>
  <SigningDate>2017-03-10T13:19:32.3819495+01:00</SigningDate>
  <Update>>false</Update>
</DigitalCommunicationAllowed>
```

4.1.1.2 Response

```
<DigitalCommunicationAllowedResponse xmlns="http://tempuri.org/">
  <DigitalCommunicationAllowedResult>true</DigitalCommunicationAllowedResult>
</DigitalCommunicationAllowedResponse>
```

4.1.2 Excluded Absences

4.1.2.1 Request

```
<?xml version="1.0" encoding="utf-16"?>
<DigitalCommunicationAllowed xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://tempuri.org/">
  <CPRNumber>6543214321</CPRNumber>
  <CVRNumber>87654321</CVRNumber>
  <FirstDate>2017-02-03T00:00:00</FirstDate>
  <FravaerUUID>45a732a0-85a8-460f-89c2-77ac44f1b014</FravaerUUID>
  <LastDate xsi:nil="true" />
  <SigningDate>2017-03-10T10:31:10.6154495+01:00</SigningDate>
  <Update>>false</Update>
</DigitalCommunicationAllowed>
```

4.1.2.2 Response

```
<DigitalCommunicationAllowedResponse xmlns="http://tempuri.org/">
  <DigitalCommunicationAllowedResult>>false</DigitalCommunicationAllowedResult>
</DigitalCommunicationAllowedResponse>
```

</DigitalCommunicationAllowedResponse>

5 End-points

Produktion: <http://172.30.86.187:6060/kmd.nemrefusion.exceptionregister/ExService.svc>

Ekstern test: <http://172.30.86.136:6060/kmd.nemrefusion.exceptionregister/ExService.svc>

KSD testmiljø: <https://172.30.87.10/ExService.svc>

6 Security

The service is only accessible with HTTPS and an approved client certificate.