

## Interface documentation for FEST

- The FEST web service for the internet and Norsk Helsenett (NHN)

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# 1 Introduction

## **Purpose**

The objective of this document is to enable relevant parties to develop interfaces to and communicate with the Norwegian Medical Products Agency (DMP) in accordance with applicable specifications.

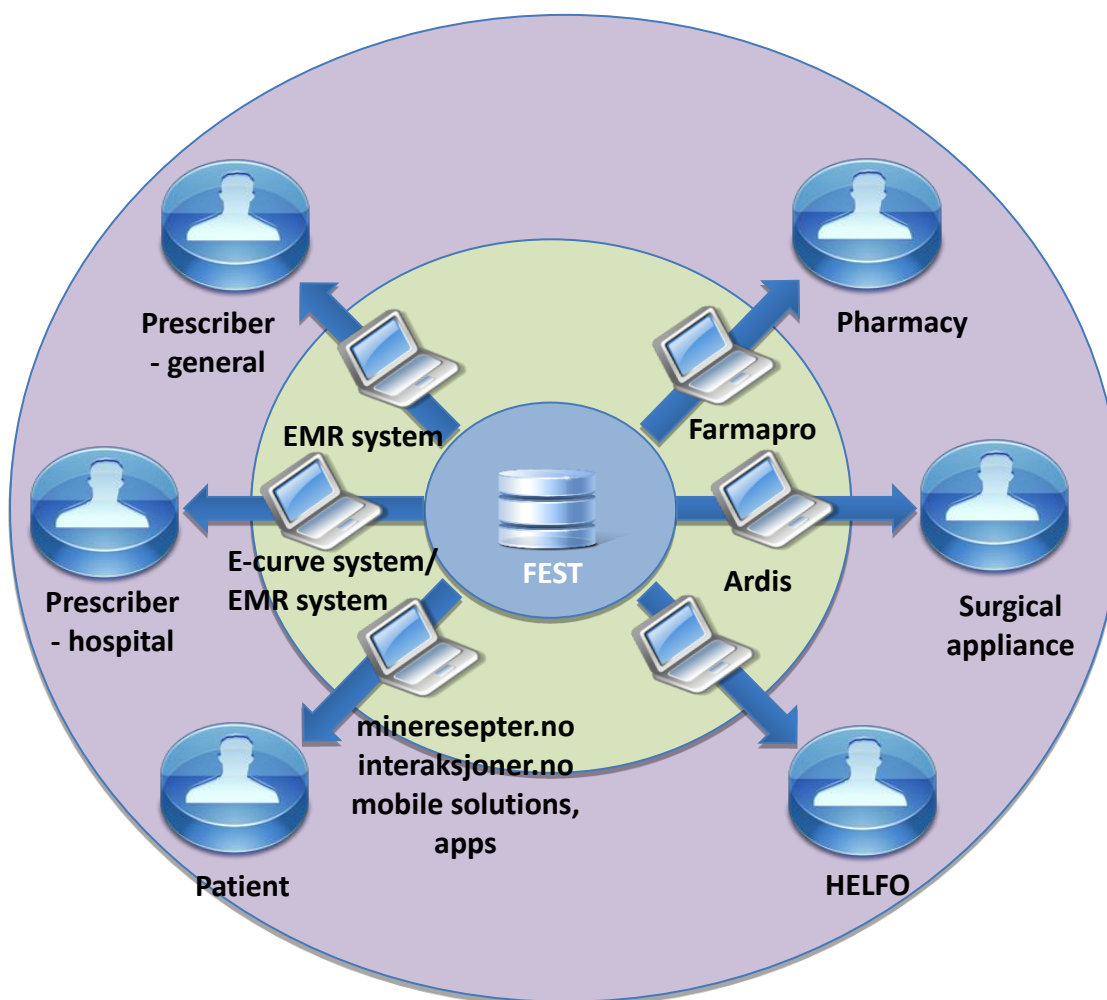
## **Scope**

This document describes the interface to the FEST web service for the internet and for Norsk Helsenett (NHN). FEST is the Norwegian Electronic Prescription Support System and NHN is the Norwegian Health Network state enterprise tasked with the national ICT infrastructure for the health sector.

# 2 FEST's role in eResept (e-prescription)

*FEST's role in eResept in brief*

M30 is the FEST message (transfer of information from the Norwegian Medicines Agency's FEST database)



### 3 FEST (WCF)

FEST is implemented as a standard, synchronous web service that follows the Envelope Request-Response Message Exchange Pattern. The service is self-describing in the sense that, for example, one can open the internet address in a browser and see which operations are available, as well as the format of "request" and "response". The service has one method, `GetM30`, with two parameters and responds with an `m30Response`.

Note that the service uses WS addressing. The following must be included in the header of the SOAP request:

```
<soap:Header xmlns:wsa="http://www.w3.org/2005/08/addressing">
  <wsa:Action>http://www.slv.no/20131008/FestService250/GetM30</wsa:Action>
  <wsa:To>https://fest.legemiddelverket.no/Fest/FestService250.svc</wsa:To>
</soap:Header>
```

The service versioning is embodied in the name of the service: "FestService250" means version 0 of M30 version 2.5, and similarly "FestService251".

#### **Downloading of FEST**

FEST is available as a web service that follows the SOAP protocol. (Both SOAP 1.1 and SOAP 1.2 are supported).

Environment	Version	Domain (DNS)	Web service	Filters
NHN - production	2.5.0	frontend-fest.nhn.no	Fest/FestService250.svc	Rekvirent inkl. inkrementelt, Bandasjist, Veterinær
NHN – production	2.5.1	frontend-fest.nhn.no	Fest/FestService251.svc	Institusjon inkl. inkrementelt, Rekvirent inkl. inkrementelt, Bandasjist, Veterinær
Internet - production	2.5.0	fest.legemiddelverket.no	Fest/FestService250.svc	Rekvirent inkl. inkrementelt, Bandasjist, Veterinær
Internet – production	2.5.1	fest.legemiddelverket.no	Fest/FestService251.svc	Institusjon inkl. inkrementelt, Rekvirent inkl. inkrementelt, Bandasjist, Veterinær
NHN – staging*	2.5.0	frontend-fest.nhn.no	StagingFest /FestService250.svc	Rekvirent inkl. inkrementelt, Veterinær
NHN – staging*	2.5.1	frontend-fest.nhn.no	StagingFest /FestService251.svc	Institusjon inkl. inkrementelt, Rekvirent inkl. inkrementelt, Veterinær
NHN - test	2.5.0	frontend-fest-test.nhn.no	TestFest/FestService250.svc	Rekvirent inkl. inkrementelt, Bandasjist, Veterinær
NHN – test	2.5.1	frontend-fest-test.nhn.no	TestFest/FestService251.svc	Institusjon inkl. inkrementelt, Rekvirent inkl. inkrementelt, Bandasjist, Veterinær

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Internet – test	2.5.1	fest-test.legemiddelverket.no	TestFest/FestService251.svc	Institusjon inkl. inkrementelt, Rekvirent inkl. inkrementelt, Bandasjist, Veterinær

\*Staging means that it exposes data before the official file is published.

Some users have a setup that necessitates the use of IP addresses instead of domain names. The correct IP addresses for the FEST services for NHN are listed below. However, we strongly recommend that downloading is performed using domain names, so as to avoid potential problems due to IP address changes.

	Network	IP	Domain (DNS)
Production	NHN	91.186.93.53	frontend-fest.nhn.no
Test	NHN	91.186.93.52	frontend-fest-test.nhn.no
Produksjon	DMP	185.120.101.167	fest.legemiddelverket.no
Test	DMP	185.120.101.180	fest-test.legemiddelverket.no

## GetM30

### Parameters

Element	Description
Filter	An enum with the "variant" of the FEST message you require: Rekvirent, Bandasjist, Veterinær, Institusjon
SistOppdatert (Last updated)	Used for the incremental extraction of data. May only be used with the <i>Rekvirent</i> (Requisitioner) and <i>Institusjon</i> (Institution) filter. Specifies a request for an <i>incremental</i> FEST message containing a series of changes. If the received FEST message's "HentetDato" (Retrieval date) <> <i>SistOppdatert</i> , the call must be repeated, with "HentetDato" as a parameter in order to get the next series of incremental changes. The call must be repeated until "HentetDato" = <i>SistOppdatert</i> .

Note that the name "HentetDato" (Retrieval date) for the first element in the FEST message is somewhat misleading. This date describes the age of the data that the message is based on, not when it was downloaded.

### m30Response

```
<xs:complexType name="m30Response">
  <xs:sequence>
    <xs:element name="M30Message" type="SLV.Fest.Data.M30.V250.FEST"/>
    <xs:element name="Returkode" type="kith:CS"/>
  </xs:sequence>
</xs:complexType>
```

Element	Description
M30Message	The FEST message.
Return code	Whether the M30 request was successful. See the table below. Even if V=1, M30Message can be empty.

Possible return codes:

V (value)	DN (description)
1	OK
8	Unexpected error

## 4 Communication

The Norwegian Medical Products Agency only supports UTF-8. Signed documents must be "base 64" encoded.

## 5 Security

Web services such as WCF are secured using https.

## 6 Error reporting

Errors should be reported to [fest@dmp.no](mailto:fest@dmp.no).