



# RELEASE NOTES

July 2018

Relying Party API

Web Portal

# TABLE OF CONTENTS

Summary.....	3
Phone number as Freja eID username.....	4
Changes to the Freja eID Signature Service.....	6

## Copyright statement

The specifications and information regarding the product in this manual are subject to change without prior notice. All statements, information, and recommendations in this manual are believed to be accurate but are presented without warranty of any kind, expressed or implied. Users must take full responsibility for their use of any products.

## Freja eID Release notes

© Verisec Freja eID 2018. All rights reserved.

# Freja eID Release Notes

---

These Release Notes describe all the upcoming changes made to the Freja eID systems from the previous release. They include:

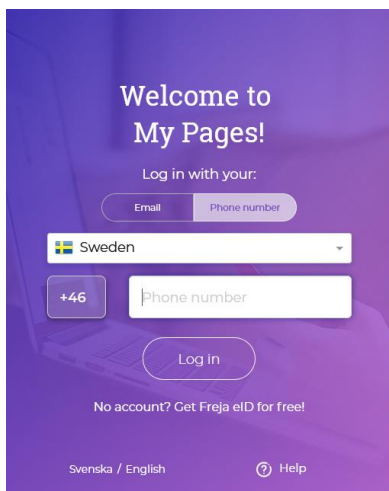
- changes on the 'My Pages' web portal;
- changes in the Freja eID Relying Party API.

## Summary

- **Phone number as Freja eID username** – Logging in to Freja eID-connected services has been made easier. Users may now add their phone number via the 'My Pages' web portal and use it as a username instead of their email;
- **Changes to the Freja eID Signature Service** – The Freja eID Signature Service now supports extended signatures consisting of UTF-8 text and binary data as well as a new parameter in sign requests.

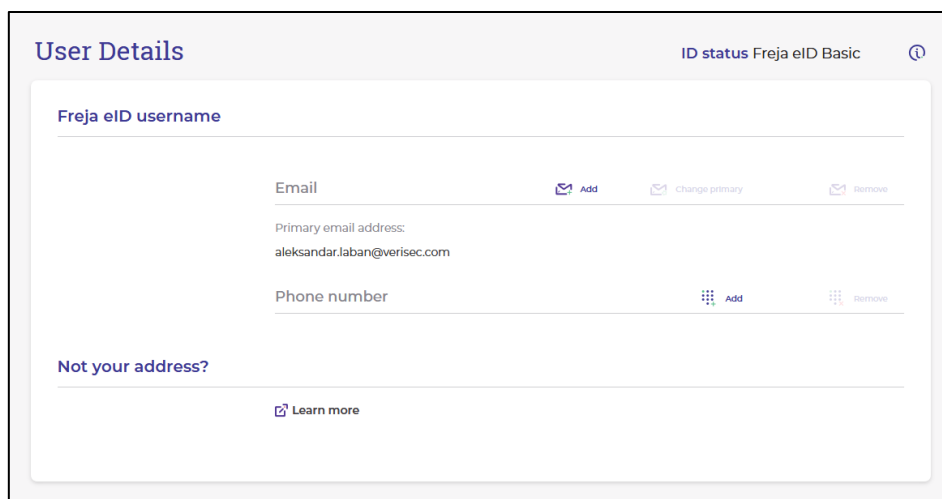
## Phone number as Freja eID username

In order to further improve user experience and offer more flexibility in using Freja eID, users may now add and use their phone number for logging in to 'My Pages' and other Freja eID services. It is now possible to log in by using a phone number that is linked to a user's Freja eID.

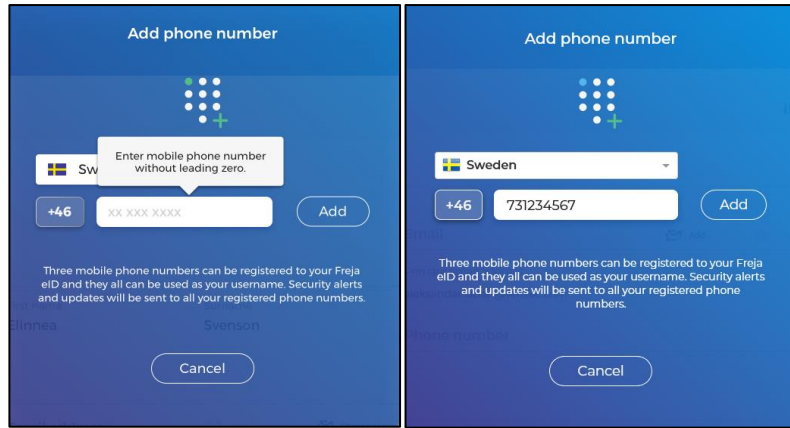


### Procedure

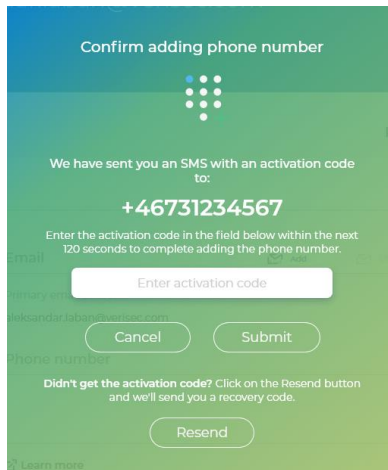
To add a phone number to a Freja eID account, users go to the 'Freja eID username' section in 'My Pages' and click on 'Add' in the 'Phone number' section.



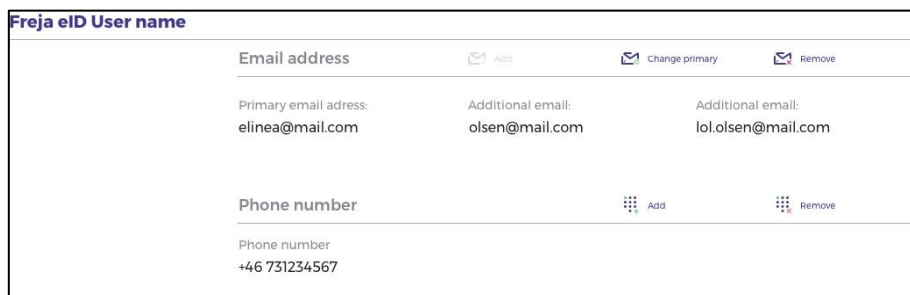
A pop-up will appear prompting them to select the country/region from a drop-down list and then enter the phone number that they wish to add. The leading '0' from the mobile operator should be omitted.



Once the user has confirmed that the number they entered is correct, they will first need to confirm the action of adding a phone number in the Freja eID app. After that we will send an activation code via SMS to the number being added. Additionally, the user is notified via email and SMS (if they have already added a phone number before) that this process has been initiated.



After entering the activation code properly, the process is complete. Users will receive a message to all registered emails and phone numbers informing them that a phone number was successfully added to their account and the added phone number will also appear on 'My Pages'.



If they wish, users may also remove a certain phone number from their account by clicking the 'Remove' button and confirming the removal process via

the Freja eID app. Once a phone number is removed it can no longer be used as a username.

Some anticipated problems that may occur during this process are:

- **Activation code expiry.** After a certain amount of time, the activation code sent via SMS expires. Click 'Resend' to receive a new activation code. The activation code can be resent twice, after that the user needs to restart the whole process.
- **Invalid activation code.** Occurs when users enter a wrong activation code. After 3 unsuccessful attempts the user will have to restart the whole process.
- **Invalid phone number format.** Occurs when users enter a phone number with an invalid format (e.g. too many or too few numbers).

### [Changes in the Relying Party API](#)

In order to support this new feature, additions have been made to the Freja eID Relying Party API. In addition to being able to identify users according to email or ssn in `initAuth`, `initSign` and `setCustomIdentifier` requests, the `userInfoType` parameter can now be set to `PHONE` which represents the user's mobile phone number e.g.

```
{
  "userInfoType": "PHONE",
  "userInfo": "+46731234567",
  "minRegistrationLevel": "BASIC"
}
```

It is important for `userInfo` value to omit the leading zero from the mobile operator code.

## Changes to the Freja eID Signature Service

The Freja eID Signature Service allows Relying Parties to securely deliver messages and prompt end users to sign data and documents. In addition to basic signatures which only consist of UTF-8 text that is presented to the user, extended signatures are now supported as well. They consist of two parts:

- UTF-8 text that is presented to the user;
- Binary data relevant to the RP that is not presented to the user.

In addition, as in the Authentication Service, the Signature Service now supports the `attributesToReturn` parameter.

### Procedure for extended signature

The `dataToSignType` parameter in the `initSignRequest` can now be set to `EXTENDED_UTF8_TEXT`. The JSON structure of `dataToSign` would then be:

```
{
  "text": "Base64 encoded UTF-8 text displayed to the end user"
  "binaryData": "Base64 encoded byte array not displayed to the user"
}
```

Please note that the `signatureType` parameter must match the `dataToSignType` parameter. If `dataToSignType` is set to `EXTENDED_UTF8_TEXT`, then `signatureType` must also be `EXTENDED`.

### Procedure for `attributesToReturn` parameter in `initSignRequest`

This optional parameter enables Relying Parties to retrieve additional information about users through Signature Services. This parameter is already enabled in the Authentication Service.

Below is an example of a sign request that includes the `attributesToReturn` parameter requesting the user's custom identifier.

```
{
  "userInfoType": "EMAIL",
  "userInfo": "joe.black@verisec.com",
  "minRegistrationLevel": "BASIC",
  "title": "Sign transaction",
  "expiry": 1517526000000,
  "signatureType": "SIMPLE",
  "dataToSignType": "SIMPLE_UTF8_TEXT",
  "dataToSign": {
    "text": "VGhpcyBpcyBhIHRleHQgZm9yIHNPZ2Z2Z2gdHJhbnNhY3Rpb24u"
  },
  "attributesToReturn":
  [
    {
      "attribute": "CUSTOM_IDENTIFIER"
    }
  ]
}
```

The requested attributes will be returned in the `getOneSignResult` or `getSignResults` responses.

For more detailed information concerning our Relying Party API, please refer to the following sections in the [Freja eID Relying Party Developers' documentation](#):

- [Authentication services](#)
- [Signature services](#)

---

## Any questions?

If you have any questions regarding this release, please get in touch with your contact at Verisec or send an email to [partnersupport@frejaeid.com](mailto:partnersupport@frejaeid.com). You can also find more useful information about Freja eID on our website [www.frejaeid.com](http://www.frejaeid.com).