BankID Release notes - 2016 Production Espoo

PRODUCTION – Release Espoo
Release date 13.12.2016

Merchant-version
Document date: 12.12.2016

TLP; White (Public)

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1 Introduction

This document contains information about the production release Espoo and is updated since the last release which was the production release for BankID Helsingfors.

BankID release Espoo contains a complete set of documentation and software regardless if there have been changes or updates or not. For this release only a few documents are updated. The documents not updated will still have the name of the Helsingfors release.

Chapter 3 and 4 contain an overview of the updated and changed documents and software for this release. Please also note the document references in the table in chapter 3 which are used to make references from one document to another. An example of this is [IMPLW] which is a reference to the document «BankID Implementation Guide Web-client".

An overview of the tested platform combinations can be found in chapter 5.1 and an overview of the most important fixes since the last release can be found in chapter 6. For an overview of the known issues in this release we do refer to this web page: https://www.bankid.no/bedrift/utvikler/Kjente-feil-og-mangler--Known-issues/.

The main delivery for Release Espoo is reimplementation of an intuitive solution to choose another BankID. This is a functionality that was present in the client prior to the Helsingfors release as a drop down list. In this release a new link that sends the user back to the HA-list is introduced. There release also contains minor changes in the client and performance improvements to client proxy.

Some OS/Browser combinations are of several reasons blacklisted for use of the Web client. Updated information of the blacklisted combinations can be found on this page: https://www.bankid.no/bedrift/utvikler/blacklist/.

The BankID Web-clients for Java, iOS and Android is now end of life and will not function after this release.

For support or other inquiries please use this mail address: support@bankid.no.

2   Content of BankID Release Espoo

The content of this release is summarized in this chapter.

2.1 BankID Web-client

This release reintroduces an intuitive solution to choose another BankID. This is a functionality that was present in the client prior to the Helsingfors release as a drop down list. In this release a new link that sends the user back to the HA-list is introduced to replace the old drop down list.

Introducing a two step solution when loading documents to be signed in BankID 2.1. This change will add an additional loading dialogue in the client which will improve the user experience when large documents or a big number of documents are loading. This to ensure that the customer knows that the solution is still working on displaying the documents.

Please see the WebUDD [WEBUDD] for more details.

Client proxy

Client proxy is a component to support the process of signing documents with BankID. The component was first introduced in BankID 2.1 Chișinău and validates the documents to be signed. The component is a prerequisite to start using multi document signing and is dependent of an upgraded BankID Server at the Merchant. Please see [IMPLW] for details.

In the Espoo release the following changes to the client proxy will be introduced:

- Move the calculation of the end users hash over Data to be signed from the client to the client proxy to improve the performance of the sign 2.1 solution.
- Change PNG encoder from ImageIO to jDeli to improve the performance of the Client proxy.
- General stability and performance improvments in the Client Proxy setup.

2.2 BankID on mobile

There are no new changes introduced to BankID on Mobile in this release.

2.3 BankID Server

The BankID server version following this release is the same version that was introduced in BankID 2.1 Chișinău. There are no changes or updates done for BankID server in this release. BankID server supports all types of BankID clients.

2.4 BankID tools

There are two sites with tools for testing the BankID clients in preproduction. No updates are done on these tools to this release.
The sites can be found here:

- https://services-preprod.bankid.no
- https://tools-preprod.bankid.no

The document **BankID Services Interface Description** [BSID] contains a description of URLs and tools available for the first site. The second site has a menu presenting the tools available.

These tools are also available in the production environment on https://services.bankid.no and https://tools.bankid.no.

2.5 Documentation

The structure of the documentation is mainly as for the recent releases.

We recommend readers unknown to BankID to read **BankID COI White Paper** [WP] first and then read the **BankID Quick Start Guide** [BIDG] and the implementation guides [IMPL] and [IMPLW].

For implementation of the BankID Web-client to the merchant web pages we recommend to study **BankID Merchant Application Frontend Considerations** [IMMC] to get guidance.

Please note that the document **BankID Error Messages and Error Codes Overview** [BEMEC] is now split into two separate documents, namely **BankID Error Codes** [BEMEC] and **BankID Services Error Codes** [BSEC]. The target groups of these documents are customer support services at Banks/Merchants and developers integrating an application with BankID. Note that developers should be familiar with both of these documents.

Documentation regarding the older clients described in 2.7 is removed from this release.

2.6 Other software compatible with this release

BankID Java client
BankID Java client is now end of life and is not supported after this release.

BankID iOS App client
BankID iOS App client is now end of life and is not supported after this release.

BankID Android App client
BankID Android App client is now end of life and is not supported after this release.

BankID Client proxy
Some performance adjustments have been done for Client proxy for this release. No new major functionality changes for this release.
There is a separate release package for the Client proxy for merchants that want to run their own separate Client proxy. Please contact support@bankid.no if you want access to this release package.

3   Documentation connected to this release

This is an overview of all documentation for this release. The column "Updated to Espoo" indicates if the document has been updated to this release or not.

Document	Reference name	Updated to Espoo	Version	Folder
BankID Releasenotes		Yes	Espoo	\
BankID COI WhitePaper	[WP]	No	2.9.1	\Doc
BankID Implementation Guide	[IMPL]	No	3.9.2	\Doc
BankID Implementation Guide Web-client	[IMPLW]	No	2.0.5	\Doc
BankID Interface Description BankID C Server	[ICSRV]	No	3.4.3	\Doc
BankID Interface Description BankID Java Server	[IJSRV]	No	2.17	\Doc
BankID Upgrade Guide BankID Java Server	[UGJSRV]	No	1.2.2	\Doc
BankID Upgrade Guide BankID C Server	[UGCSRV]	No	1.4.2	\Doc
BankID Services Interface Description	[BSID]	No	3.7.5	\Doc
BankID Error Codes	[BEMEC]	Yes	5.9.3	\Doc
BankID Services Error Codes	[BSEC]	No	1.0.1	\Doc
BankID Quick Start Guides (zip-fil)	[BIDG]	No	5.1.3	\Doc
WebUDD 2.1*	[WEBUDD]	Yes	55	\Udd
WebUDD 2.0*	[WEBUDD]	Yes	102	\Udd
BankID Web-client UDD-viewer user manual	[BWUDDM]	No	1.2.3	\Udd
BankID Merchant Application Frontend Considerations	[IMMC]	No	1.48	\Doc
BankID HAT UserGuide	[HAT]	No	1.9.5	\Hat
BankID Interface Description Archive	[IDA]	No	1.2.2	\Doc
Brukergrensesnitt BankID Mobil*	[NUDD-M]	No	N/A	\Doc

* Is delivered as a user manual and a zip file which needs to be installed locally.

As mentioned in Chapter 1 a release package for Client proxy for merchants that want to run this software locally also exists. To get access to this package please contact support@bankid.no.

4 Software connected to this release

This table is an overview over the software for merchants connected to this release. No software for merchants has been updated to release Espoo.

Software	Updated to this release	Version	Folder
BankID C Server	No	5.1.2	\BIDCSERVER v5_1
BankID Java Server	No	5.1.2	\BIDJSERVER v5_1
BankID Hat	No	1.8.4	\Hat
Javascript for utskutt tastebiometri	No	N/A	\Utils\UserProfile

Example implementations for BankID java and C server are delivered separately and can be downloaded from https://www.bankid.no/bedrift/utvikler/.

5 Supported platforms

5.1 BankID Web-client

Support for the BankID Web-client is dependent of that the browser has support for JavaScript and HTML5. The majority of all modern browsers on both computers and phones/tablets do have such support but the performance will vary dependent on the processor of the device. The Web-client is designed to run on every browser that supports the mentioned web technologies and will by it self do a detection to see if the browser is compatible. The Web-client will not start if it determines that the browser does not support the mentioned technologies.

Merchants do also have access to a separate feature detection script to determine if the browser is compatible or not. It is a recommendation to implement this script. Please see BankID Implementation Guide Web-client [IMPLW] and Quick Start Guide [BIDG] for more information.

The following list describes the combinations fully tested for Release Helsingfors. The most of these combinations has also been tested for the Espoo release. The client will support a lot more combinations than the ones mentioned below, but these combinations have been verified during the test phase.

Nets have done a functional test and regression test of the following combinations for the Helsingfors release:

Type	Device	OS	Browser
Desktop	Windows-PC	Windows 7	Internet Explorer 11
Desktop	Windows-PC	Windows 7	Internet Explorer 9
Desktop	Windows-PC	Windows 7	Chrome 50
Desktop	MacBook Pro	OSX 10.11.x	Safari
Desktop	Linux-PC	Ubuntu 14.04.4	Firefox 46.0.1
Desktop	Windows-PC	Windows 10	Microsoft Edge
Mobil	Samsung Galaxy S5	Android 5.0	Chrome 46
Mobil	Samsung Galaxy S4 mini	Android 4.2.2	Chrome 46
Tablet	Sony Xperia Z	Android 5.0	Chrome 46
Mobil	iPhone 6s+	IOS 9.3.2	Safari
Mobil	iPhone 6s	IOS 9.3.2	Safari
Mobil	iPhone 6+	IOS 9.1	Safari
Tablet	iPad Air	IOS 8.4	Safari
Mobil	Samsung Galaxy S6	Android 6.0.1	Chrome 46
Mobil	Limia 950	Windows 10 mobile	Microsoft Edge

Internet Explorer 8 and older versions of Internet explorer do not support the needed web technologies and will therefore be unable to run the BankID Web-client.

In addition some browsers are black listed of various reasons and will also be unable to run the BankID Web-client. Please see this web page to get updated information of the current blacklist: https://www.bankid.no/bedrift/utvikler/blacklist/.

5.2 Tested accessibility tools for the Web-client

The BankID Web-client is developed to be compliant with the WCAG 2.0 standard as described in *Forskrift om universell utforming av informasjons- og kommunikasjonsteknologiske (IKT) løsninger* and in *§14 in Lov om forbud mot diskriminering på grunn av nedsatt funksjonsevne (Diskriminerings- og tilgjengelighetsloven)*.

The BankID Web-client has been tested with the following accessibility tools:

Accessibility tools:	JAWS 16 Window-Eyes 9.2.1 Window-Eyes 9.4 NVDA 2015:4 NVDA 2016:1 Voice Assistant on Android 5.0.2 VoiceOver on Mac OSX 10.10.5 and OSX 10.11.5
Browsers:	Internet Explorer 11 Mozilla Firefox 44 on Windows, 45 on Mac Chrome 50 on Mac and Android Safari 9.1 for OSX

5.3 BankID Server

BankID Server has been tested and verified on the following combinations:

Platform	BID Server ver	BID server type	Run time environment
Win. 2003, SP1	5.1	Java	SUN JRE 1.6
		C	-
	3.2	Java	SUN JRE 1.5
		C	-
Solaris 10	5.1	Java	SUN JRE 1.7
		C	-
Win2008 64bit	5.1	Java	SUN JRE 1.6
		C	-
Linux 64bit	5.1	Java	SUN JRE 1.7
		C	-

6   Changes and Bug fixing

6.1   Bug fixing

No bugs are corrected for this release.

6.2   Changes

The most important changes in this release:
- Reintroducing the "choose BankID" funtionality that was removed with the Helsingfors release in both BankID 2.0 and in BankID 2.1.
- Introducing a two step load screen for loading documents to be signed for BankID 2.1.
- Changing PNG encoder from ImageIO to jDeli to improve the performance of the Client proxy for BankID 2.1.
- Performance and stability changes for Client Proxy for BankID 2.1.

6.3   Known issues

Please see this web page for an updated overview of known issues known at the moment: https://www.bankid.no/bedrift/utvikler/Kjente-feil-og-mangler--Known-issues/.

This web page will always be updated, also between releases.

7   Deployment dates

The planned production dates for BankID Release Espoo:

Preproduction	07.12.2016 kl 16:00 – 21:00
Production	13.12.2016 kl 21:00 –
	14.12.2016 kl 02:00