



Suomi.fi-services

Development roadmap 2018-2019

Updated 26.3.2019



@suomifi



Suomi.fi-services

- Suomi.fi-services are being developed in SuoJa-project (2018-2019).
- New features are being published on production every 2-9 weeks, depending on service.
- This document includes the key upcoming features and estimated publishing times.
- The public roadmap is being updated once a month.
- Clients can start the deployment process typically before the estimated publishing time.
- Contact Suomi.fi-services:
 - suomi.fi-asiakaspalvelu@vrk.fi.
- More information:
 - <https://esuomi.fi/>
 - <https://palveluhallinta.suomi.fi>



Summary of key features 2018-2019

Service	Feature	Estimated publishing time
e-Authorizations	Separate e-Identification service for companies and other organizations closes 1.1.2020. Suomi.fi-identification and e-Authorizations services replace the separate service. From 1.1.2020 every user identifies strongly as themselves to public e-services and e-Authorization service enables acting on behalf of companies, other persons and other organizations.	All features are being completed one-by-one between 2018-2019. The deployment process can be started immediately.
e-Authorizations	The functionality for government officials to create digital authorizations for their clients enables the use of authorizations for public sector, foreign companies and estates. Also, for end users visiting service points (users who don't act digitally at all).	General UI/functionality for authorizations (June 2019). Functionality to create authorizations in service points (December 2019).
e-Identification	eIDAS-support (notified solutions) and e-ID solution for other foreign users (outside EU).	eIDAS-support 2018-2019 for notified solutions. e-ID, users outside EU (September 2019).
Suomi.fi	Support for regional government, health and social services reform (citizens can compare health and social services nationally or regionally in Suomi.fi).	MVP (March 2019). ENDED
Finnish Service Catalogue	Automated quality control and support for natural language recognition and automatic spelling.	1. version (December 2018).
Finnish Service Catalogue	Quality information of health and social services.	During 2019. ENDED
Messages	Paper post in addition to digital post.	December 2018.
Messages	Messages for small companies (registry based authorizations, covers 93,5% of Finnish companies).	MVP December 2018. Mobile version April 2019.
Messages	Digital authorizations based digital post (acting on behalf of larger companies).	May 2019. Mobile version August 2019.
Messages	Digital authorizations based digital post (acting on behalf of other persons and underaged users).	March 2019.
Messages	Renewal of the internal software architecture (simplified API:s and new document handling solution).	December 2019.
Data Exchange Layer	REST-support.	June 2019.
All services	Support for deployment of all Suomi.fi-services for the whole public sector and private companies (e.g. ~100 services that currently use separate identification for companies).	Continuous.



Suomi.fi e-Authorizations

Enables acting on behalf of another person or a company.

Suomi.fi e-Authorizations is a service for reliable verification of a person's or organization's authorization and right to use digital services on behalf of another person or organization regardless of time or place.

Service is available freely for public and private sector.



e-Authorizations – key features on roadmap

- Separate e-Identification service for companies and other organizations closes 1.1.2020. Suomi.fi-identification and e-Authorizations services replace the separate service.
- New base registers to be connected to e-authorizations (associations).
- **Large amount of deployments (Omavero [“My taxes”], Income Register etc.).**
- Dependency on procurement of e-Identification service for foreign users (outside EU).
- Support for government officials to create digital authorizations on behalf of their clients (citizens).
- Functionalities to secure the production and security.



e-Authorizations: October-December 2018

Detailed authorizations

Possibility to authorize users and organizations on more detailed level (e.g. support for organizational hierarchy and authorizing particular issues on e-service). The feature is not general, rather than to be defined by the service owner.

Published: 23.10.2018.

Deployment

OmaVero ("MyTaxes") starts using e-authorizations.

Published 9.11.2018.

Q4/2018

On service design



Concept and user interface for the functionality for government officials to create digital authorizations for their clients. Also, for end users visiting service points (users who don't act digitally at all).



e-Authorizations: January-March 2019

Deployment

National income register starts using e-authorizations.

Published.

Q1/2019

On service design

Usability and accessibility testing of new interfaces for government officials to create digital authorizations for their clients.





e-Authorizations: April-June 2019

Usability improvements

The redesign of digital authorizations for end-users will improve the usability of digital authorizing in Suomi.fi.

To be published: April 2018.

Authorizations for multiple guardians

Multiple guardians can create authorizations in order to act on behalf of their underaged children.

To be published: April 2019.

New feature

Reports and statistics of e-authorizations are being published on service management website (palveluhallinta.suomi.fi).

To be published: June 2019.

Self-service for organizations on service management website

Possibility to administrate, find information and start using e-authorizations on service management website (palveluhallinta.suomi.fi)

To be published: June 2019.

Q2/2019

Creating digital authorizations on behalf of clients (version 1, MVP)

Possibility for government officials to create digital authorizations for their clients (public sector, foreign companies and estates).

To be published: June 2019.



e-Authorizations: July-September 2019

To be updated

Q3/2019

Authorization codes explained

Citizens can browse the information on authorization codes without using the authorizations service in Suomi.fi (providing information on all services that can be authorized).

To be published: September 2018.

New feature

End users can browse the information on detailed authorizations inside Suomi.fi when using authorizations service.

To be published: September 2018.

Acting on behalf of association

Authorizations start using the new base register of associations, thus enabling acting on behalf of them in digital services.

To be published: September 2019

New feature

Authorization requests and notifications for companies are being delivered through Suomi.fi-messages.

To be published: September 2019.

Dependency

Requires that Suomi.fi-messages for companies is in production (deployment of messages for companies is done).



e-Authorizations: October-December 2019

To be updated

Q4/2019

Digital authorizations for users who don't use digital services

Creation of digital authorizations for end users visiting service points (users who don't act digitally at all) becomes possible.

To be published: December 2019

Dependency

Requires a change on current legislation of Suomi.fi-services (571/2016).

New feature

The key log events of end-users use of e-Authorization service will be shown in Suomi.fi for the users themselves (access to my log-information).

To be published: December 2019.

Separate e-Identification service for companies and other organizations closes

From **1.1.2020** all Finnish public digital services use e-identification an e-authorization services. User identifies always as a person and authorization service provides rights to act on behalf of companies, organizations or other persons.



Suomi.fi e-Identification

Single Sign On to all public services.

Suomi.fi e-Identification enables electronic identification for digital service end-users and a single sign-on identification system to various services.

Service is only available for public sector.



e-Identification – key features on roadmap

- Fulfilling the eIDAS-requirements (support for notified EU-countries e-ID solutions).
- Functionalities to secure the production and security.
- Procurement of an e-ID solution for foreign users outside EU (non eIDAS-users).
- **Larger preliminary study on different possibilities to have a more cost-efficient and usable solution for e-Identification in Finland (for all citizens). This is a separate study from the development project, but might have affects on the procurement of non-EU users e-ID solution.**



e-Identification: October-December 2018

Support for new certificate hierarchy

e-Identification support for new certificate hierarchy being used in new e-ID-cards for citizens and organizations.

Published 31.10.2018.

Q4/2018

New feature

New mobile-id provider in production (Telia).

Published 1.11.2018.



e-Identification: January-March 2019

Q1/2019

Deployment

eIDAS-federation starts as soon as there are first functional notified other countries solutions (Germany).

Published 6.2.2019.

New feature

Upgrade to performance through software and infrastructure development.

Published.



e-Identification: April-June 2019

Q2/2019

Automated metadata handling in service management

Service management includes automatic metadata handling of digital services using e-Identification service, thus making deployment process quicker.

To be published: May 2019.

OpenID-connect for e-ID providers

New API:s for e-ID-providers (OpenID-connect instead of current Tupas).

To be published: June 2019.



e-Identification: July-September 2019

To be updated

Dependency
The timetable is dependent of the notification process of other EU-countries.

eIDAS-federation for multiple countries
Support for eIDAS-federation in multiple countries. First countries include Estonia and Italy. The work continues through the whole year as new solutions are being notified.

To be published: September 2019.

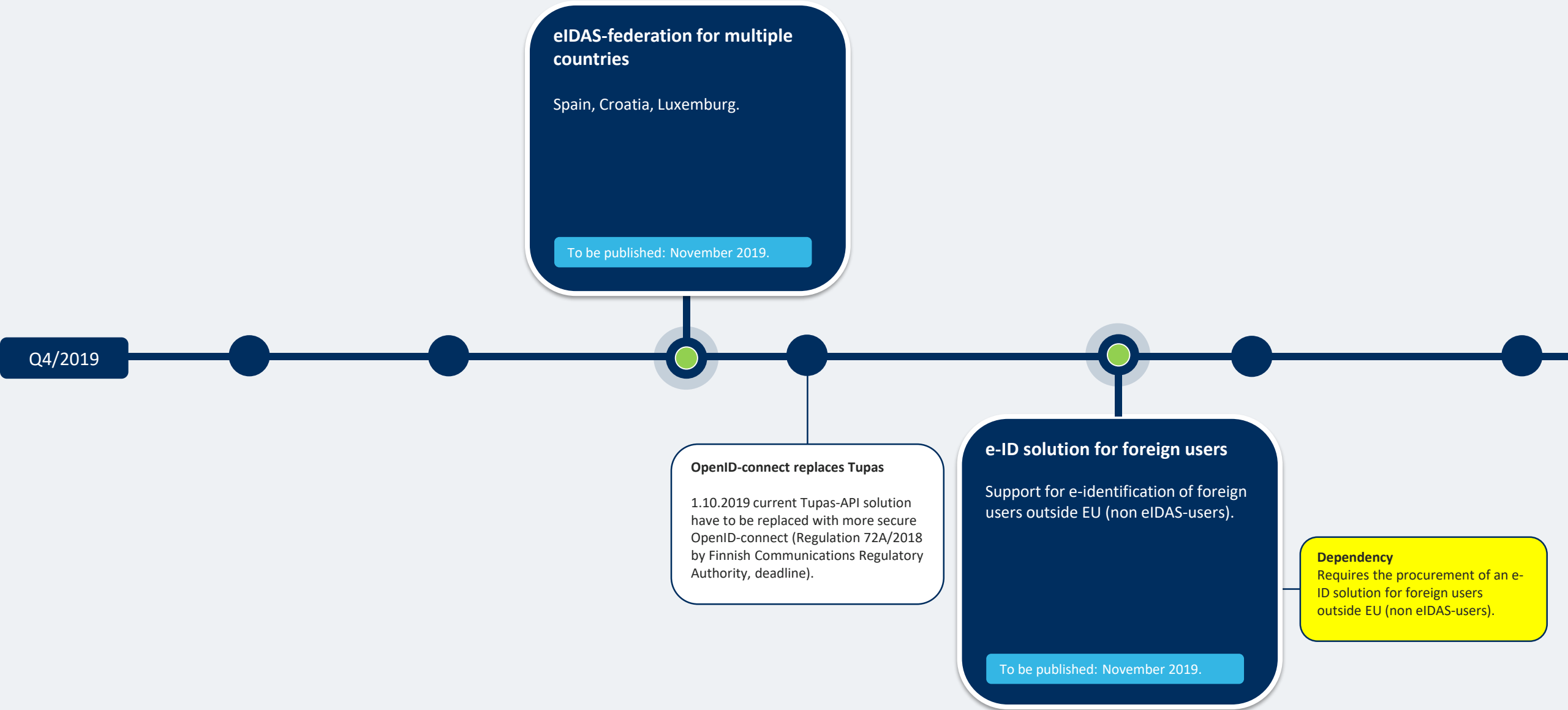
Q3/2019





e-Identification: October-December 2019

To be updated



Q4/2019

eIDAS-federation for multiple countries

Spain, Croatia, Luxemburg.

To be published: November 2019.

OpenID-connect replaces Tupas

1.10.2019 current Tupas-API solution have to be replaced with more secure OpenID-connect (Regulation 72A/2018 by Finnish Communications Regulatory Authority, deadline).

e-ID solution for foreign users

Support for e-identification of foreign users outside EU (non eIDAS-users).

To be published: November 2019.

Dependency
Requires the procurement of an e-ID solution for foreign users outside EU (non eIDAS-users).



Suomi.fi Web Service

Citizen's and company's window to public services.

Suomi.fi Web Service is the user interface for providing end-users guidance, "My Messages" from Suomi.fi Messages, and information from Finnish Service Catalogue and other registers.

Service is available freely for public and private sector.



Suomi.fi-web service – key features on roadmap

- **Support for regional government, health and social services reform. Citizens can compare health and social services nationally or regionally in Suomi.fi. Includes also new map-based interfaces and integration to national health data and prescriptions base register kanta.fi**
- eIDAS-support (web-portal, e-Identification, e-Authorizations and Messages).
- **Wider content sharing (smart guides and the content of Finnish Service Catalogue), part of regional government, health and social services reform.**
- Common Suomi.fi user experience in new digital services of Local Register Offices.
- Usability and accessibility of Suomi.fi (improvements of content and user interface quality).
- Functionalities to secure the production and security.



Suomi.fi-web service: October-December 2018

Instructions and support - section

Suomi.fi includes hands-on instruction and support material for all Suomi.fi-service (e-identification, e-authorizations, messages, access to my data etc.).

Published 30.10.2018

Q4/2018

On service design



New map-based interfaces for searching service and service channel information.

MVP of functionalities for comparing health and social services in Suomi.fi.



Suomi.fi-web service: January-March 2019

New feature
Link validator for Suomi.fi content management system.
To be published: March 2019.

Q1/2019



On service design

Finalizing the interfaces and usability testing of new map-interfaces.



Suomi.fi-web service: April-June 2019

Q2/2019

New feature

Technical improvements on updating information to Suomi.fi from Finnish Service Catalogue.

To be published: April 2019.

New feature

New interfaces for guides in Suomi.fi

To be published: April 2019.

New feature

Larger amount of usability and accessibility improvements on whole Suomi.fi-service.

To be published: April 2019.

New map-interface

New service-map and renewal of all interfaces for location based information and routing service.

To be published: May 2019.

New feature

Guides for companies in sign language videos.

To be published: June 2019.



Suomi.fi-web service: July-September 2019

New feature

The chat-channels for Public Service info and Enterprise Finland service.

To be published: September 2019.

Q3/2019





Suomi.fi-web service: October-December 2019

Q4/2019

**Self service of adding register-
data to Suomi.fi
(palveluhallinta.suomi.fi)**

Possibility to administrate, find
information and start using Suomi.fi
on service management website
(palveluhallinta.suomi.fi)

To be published: December 2019.



Suomi.fi Finnish Service Catalogue

All necessary service data in one place.

By utilizing Finnish Service Catalogue — the national, centralized data resource — organizations can provide end-users all the necessary information about their services and service channels

Service is available freely for public and private sector.



Finnish Service Catalogue– key features on roadmap

- **Support for regional government, health and social services reform.**
- **Quality information of health and social services.**
- Automated quality control and support for natural language recognition and automatic spelling.
- **Technical improvements on sharing data.**
- Usability improvements.
- Functionalities to secure the production and security.



Finnish Service Catalogue: October-December 2018

Q4/2018

On service design

Functionality and user interfaces of the version 2.3.

This includes notifications for data providers, improvements on mass functionalities and more detailed accessibility information and metadata for health and social services and the design of link validator.



New feature

Version 2.2. is published. Includes e.g. automatic address checking, reorders of translations, scheduled publishing etc.

Published 26.11.2018.

Automatic quality information

Automated quality control and support for natural language recognition and automatic spelling (MVP).

Published 26.11.2018



Finnish Service Catalogue: January-March 2019

Usability improvements

More usability improvements are being published on the user interface of Service Catalogue.

Published

Q1/2019

New feature

Version 2.3 is published. Includes e.g. improvement on health and social services metadata, accessibility information, technical improvements on user rights control.

Published.



Finnish Service Catalogue: April-June 2019

New feature
Technical improvements on updating information to Suomi.fi from Finnish Service Catalogue.
To be published: June 2019.

Q2/2019



Finnish Service Catalogue: July-September 2019

Q3/2019





Finnish Service Catalogue: October-December 2019

Q4/2019





Suomi.fi Messages

Straightforward interaction with public organizations for citizens' and companies.

Suomi.fi Messages enables digital communication for authorities regardless of the end-user's preferred communication channel and message format.

Service is only available for public sector.

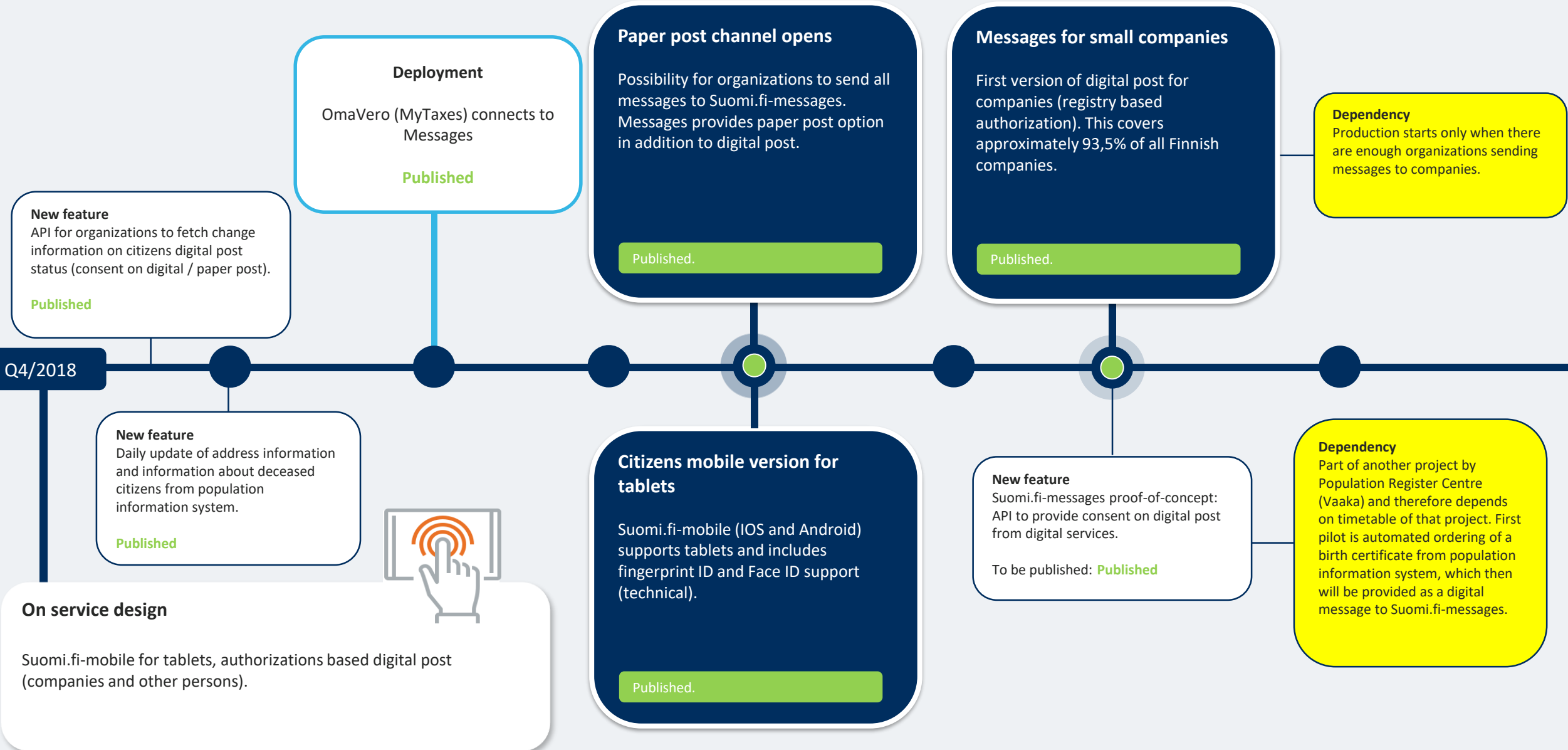


Messages– key features on roadmap

- Paper post in addition to digital post.
- Large amount of deployments.
- Messages for small companies (registry based authorizations, covers 93,5% of Finnish companies).
- Digital authorizations based digital post (acting on behalf of larger companies).
- Digital authorizations based digital post (acting on behalf of other persons and underaged users).
- Mobile version development to include digital authorizations based digital post.
- Renewal of the internal software architecture (simplified API:s and new document handling solution).
- Major amount of client needs, especially on API:s.
- Functionalities to secure the production and security.

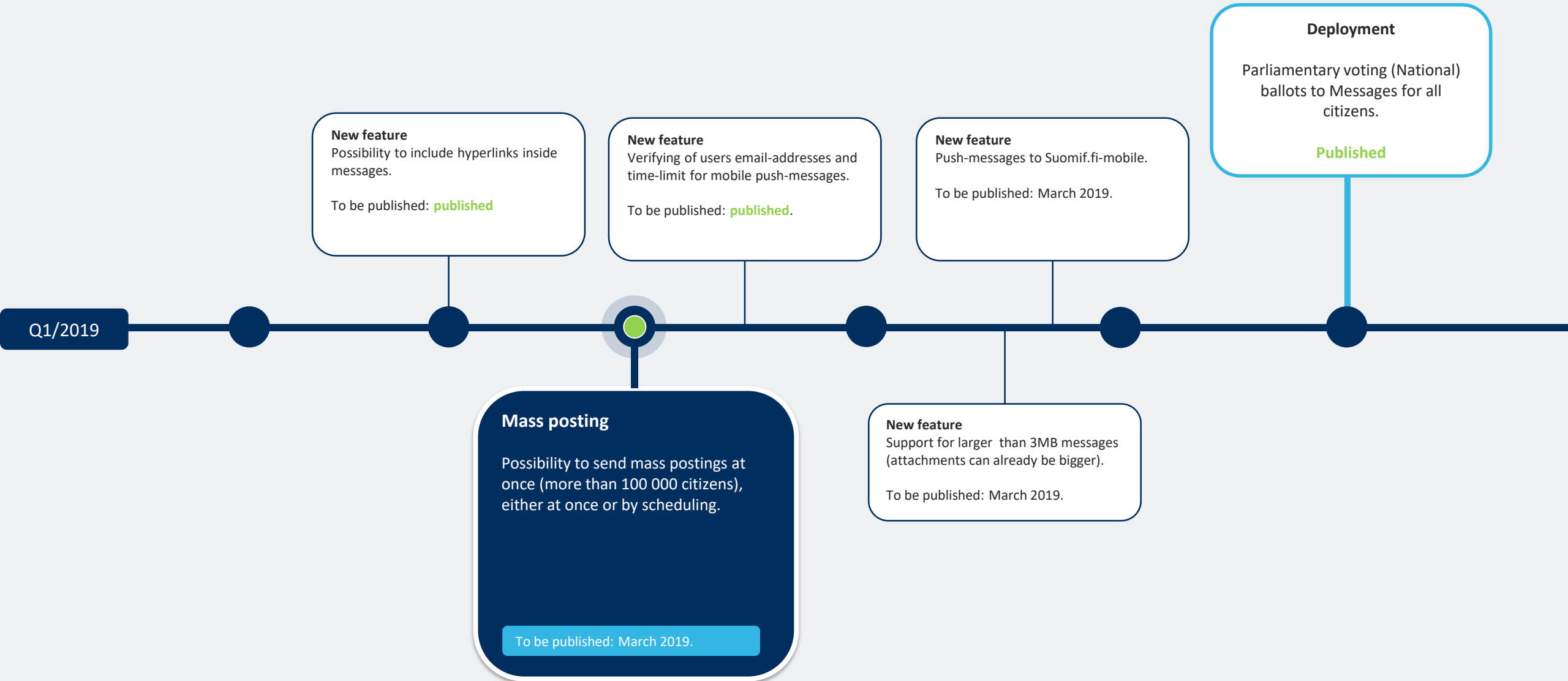


Messages: October-December 2018





Messages: January-March 2019





Messages: April-June 2019

Digital authorizations based Messages for companies

Companies can authorize their employees to access company's digital post. This makes it possible for larger companies to use Messages.

To be published: May 2019.

New feature

API to provide automatic acknowledgement for organizations about messages sent to paper post.

To be published: May 2019.

Dependency

Requires that more than one organization start using Messages for verifiable messages.

New feature

Paper posting for Messages that require citizens to verifiably receive them (signature).

To be published: June 2019.

Q2/2019

Digital post on behalf of other persons

Possibility to authorize other persons to receive digital post (e.g. elderly parents, spouse etc.).

To be published: March 2019.

Mobile version of Messages for small companies

Suomi.fi-mobile for small companies (registry based authorization).

To be published: June 2019.

Deployment

Parliamentary voting (EU and Regional) ballots to Messages for all citizens.

May 2019.

Self-service for organizations on service management website

Possibility to administrate, find information and start using Suomi.fi-Messages on service management website (palveluhallinta.suomi.fi)

To be published: June 2019.



Messages: July-September 2019

To be updated

Q3/2019

New feature

End-users can find more detailed information (Service Catalogue based) about services using Messages on Suomi.fi.

To be published: August 2019.

New feature

End-user notification (push-message, email) include information about the type of the message the user has on Messages (e.g. normal, verifiable).

To be published: August 2019.



Messages: October-December 2019

To be updated

Q4/2019

Renewal of the internal software architecture

New, simplified internal and external APIs and new document handling solution.

To be published: October 2018.



Suomi.fi Data Exchange Layer

Unifying digital services and securely exchanging data.

Data Exchange Layer is a standardized channel for data transfer, providing a standardized means for transferring data between organizations and enabling the construction of safe services. Data Exchange Layer is based on X-road technology and being developed as a joint development project between Estonia and Finland by Nordic Institute for Interoperability solutions (NIIS)

Service is available freely for public and private sector.



Data Exchange Layer– key features on roadmap (NIIS+PRC)

- REST-support.
- Usability of deployment (processes, service management and technical administration user interfaces).
- API-gateway and automatic publishing of information to API-catalogue.
- “My data”-pilot and preliminary study of access to logs including information about the use of my data.
- Functionalities to secure the production and security (e.g. the capacity of trusted timestamping service).



Data Exchange Layer: October-December 2018

Q4/2018

Preliminary study

Study aims to find solutions on gathering data through Data Exchange Layer in order to provide access to citizens on information about the usage of their information.

Published.

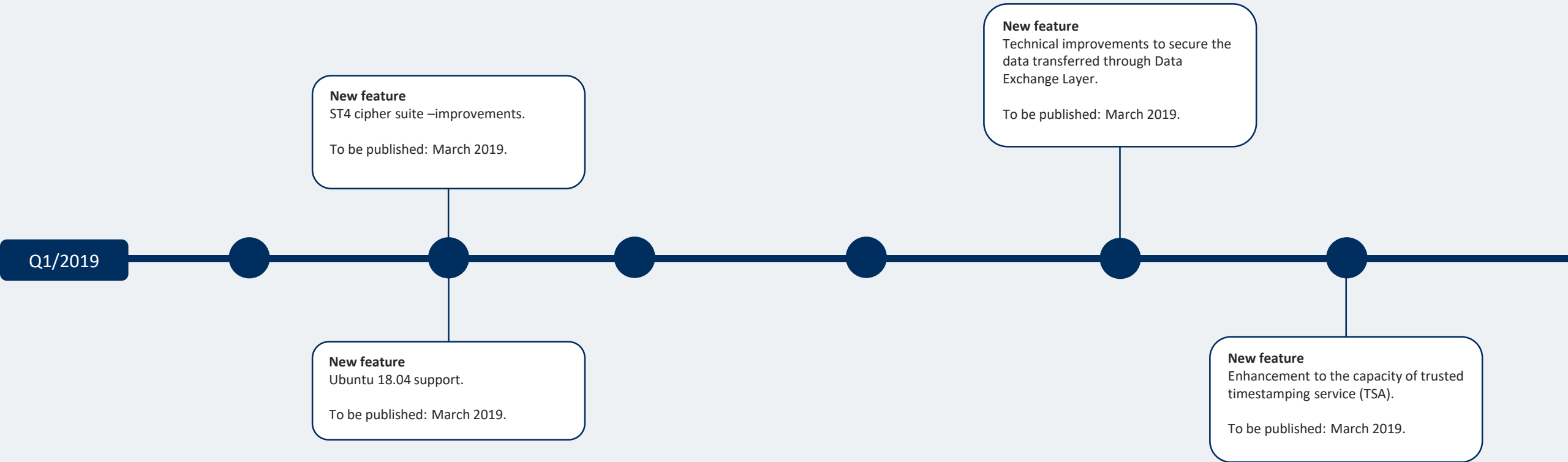
Preliminary study

The study aims to find ways to provide automated information about services to data catalogue, thus making it easier to deploy services to Data Exchange Layer.

Published.



Data Exchange Layer: January-March 2019





Data Exchange Layer: April-June 2019

To be updated

Dependency
REST-support to x-road technology is being developed by the Nordic Institute for Interoperability Solutions (NIIS).

REST-support

REST-support to x-road technology makes its easier for organizations to deploy new services to Data Exchange Layer.

To be published: June 2019.

Q2/2019





Data Exchange Layer: July-September 2019

To be updated

Q3/2019

Improvement to the technical administration user interfaces

The technical user interfaces for administrating the security servers will be more user friendly, thus making it easier to deploy new services to Data Exchange Layer.

To be published: September 2019.

API to technical administration

Security servers will have an API to administrate them. This will make it easier to connect administration of security servers to existing services.

To be published: September 2019.



Data Exchange Layer: October-December 2019

To be updated

X-road version 7 specification

X-road 7 specification will be finalized by NIIS. The development of new version happens in 2020 and deployment in 2021.

To be published: November 2019.

Q4/2019



Suomi.fi-maps

Suomi.fi-maps provides a ready-made solution for location-based digital services.

Service is only available for public sector.



Maps: October-December 2018

Q4/2018





Maps: January-March 2019

Improvements on usability

The usability of the user interface for creating maps will be improved, thus making the use of map-tools easier for end-users.

To be published: March 2019.

Capacity improvements

Enhancement to the capacity of PostgreSQL-data base.

To be published: March 2019.

Suomi.fi – visual brand

The Suomi.fi – look and feel finalized to map-tools interface.

To be published: March 2019.

Q1/2019



Maps: April-June 2019

To be updated

Support for areas and routes

Possibility to create areas and routes in addition to point based location.

Implemented both on user interface and API.

To be published: June 2019.

Foreign addresses (e.g. embassies)

Possibility to use other map services (e.g. open street map) to show addresses located outside Finland.

To be published: June 2019.

Dependency

Needs new features to Oskari.org platform (possibly through Artic SDI).

Q2/2019

Continuous user location ("Karttapaikka")

Location based search can stay permanently on.

To be published: June 2019.

Additional information to locations.

Possibility to include additional information to addresses (e.g. the "Pasila" railway station).

To be published: June 2019.

Dependency

Non-technical feature, needs content development.

Possibility to use users own indicators on maps.

Oskari.org platform already supports the feature but must be implemented on Suomi.fi-maps as well.

To be published: June 2019.



Maps: July-September 2019

To be updated

Self-service for organizations on service management website: part 1/3

Possibility to administrate, find information and start using Suomi.fi-Maps on service management website (palveluhallinta.suomi.fi).

To be published: June 2019.

Support forum for user organizations

Self-service support forum for the user organizations of Suomi.fi-Maps.

To be published: June 2019.

3D-support

Support to show also 3D-objects.

To be published: June 2019.

Q3/2019

Reporting tools

Tools to create automatic reports by end-user organizations.

To be published: June 2019.



Maps: October-December 2019

To be updated

Self-service for organizations on service management website: part 2/3

Possibility to administrate, find information and start using Suomi.fi-Maps on service management website (palveluhallinta.suomi.fi).

To be published: December 2019.

Self-service for organizations on service management website: part 3/3

Possibility to administrate, find information and start using Suomi.fi-Maps on service management website (palveluhallinta.suomi.fi).

To be published: December 2019.

Specific features for areas and routing

More features on drawing tools and possibility to draw a route straight on map.

To be published: December 2019.

Support for vector tiles on property borders

Requires support to production environment.

To be published: December 2019.

Q4/2019

Technical integrations to Suomi.fi – Finnish Service Catalogue

Preliminary study on integrating to Finnish Service Catalogue.

To be published: December 2019.

Specific tools for property services

More features on drawing and cropping tools and parameters. Possibility to limit the map-levels for role-based use.

To be published: December 2019.



Suomi.fi-payments

Suomi.fi-payments provides end-users online payments for all digital public sector services.

Service is only available for public sector.



Payments: October-December 2018

Q4/2018

Mobile Pay

Suomi.fi-payments provides Mobile Pay to end users.

Published.





Suomi.fi-payments: January-March 2019

API for refunds

New API for refunding payments to the same account that the payment was made from. Joint development together with banks.

To be published: February 2019.

Realtime inquiries for the status of payment

Payments-service provides real-time status of payments for web shops.

To be published: March 2019.

Q1/2019





Suomi.fi-payments: April-June 2019

To be updated

Repeated payments

Payment type can be saved in order to make it easier for end-users to make repeated payments.

To be published: April 2019.

Q2/2019





Suomi.fi-payments: July-September 2019

To be updated

Q3/2019



Suomi.fi-payments: October-December 2019

To be updated

Companies can use e-invoicing

Suomi.fi-payments includes possibility for companies to pay using e-invoicing.

To be published: December 2019.

Q4/2019



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