

ST.26 Software Development Project CWS/5

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Project Objectives

- Develop a new common software tool to enable applicants to prepare sequence listings and verify that such sequence listings are in compliance with WIPO Standard ST.26, for <u>Offices</u> to facilitate processing of the application containing these sequence listings
- Support smooth transition from ST.25 to ST.26 for national and international patent applications
- Put the new common software tool in production by the end of 2018



Project Scope

- Development of ST.26 software, including
 - business analysis
 - architecture
 - proof of concept
 - coding software application
 - acceptance test
- This project excludes:
 - training applicants and IPOs' staff
 - integration of the software into IPOs' IT system





Expected Benefits

- Enable applicants to prepare sequence listings and verify that such sequence listings are in compliance with the new Standard ST.26
- Facilitate processing of the application containing sequence listings by IPOs
- Increase quality at source by using a common software tool by applicants and IPOs
- Raise cost efficiency in the whole data flow of sequence listings, which benefits all IP and biotech communities



Project Plan

- The project will be conducted with four phases:
- 2017 Phase 1: Business analysis
 - Phase 2: Architecture and Proof of concept
 - Phase 3: Development of application
 - Phase 4: Delivery of acceptance and production environments



Functional Requirements

- Editing or importing sequences in ST.26 format
- Validation of sequences
- Transformation of ST.25 sequences to ST.26
- Displaying sequences in xml for human viewing
- Importing sequence data in industry format, e.g. EMBL and FASTA
- Multi language support

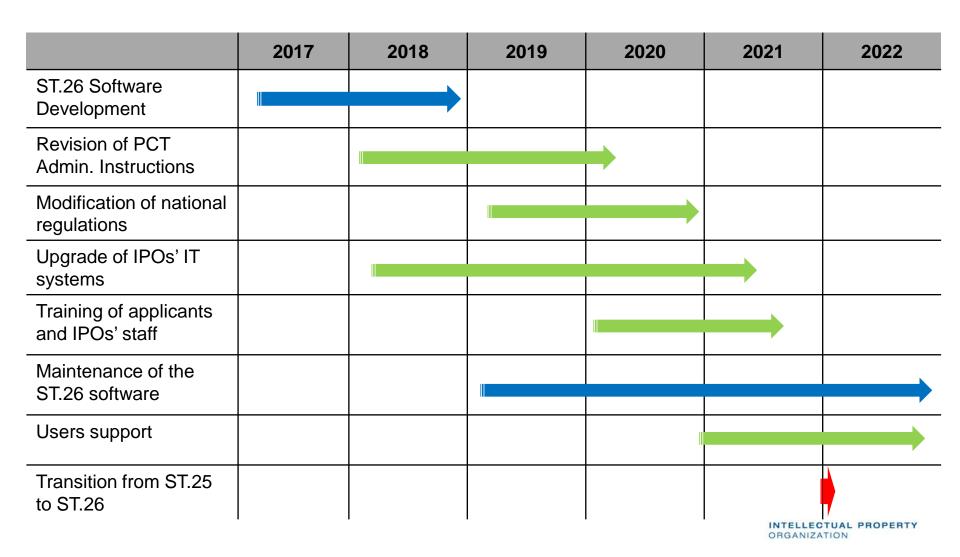


Architecture Options

Requirement	Online	Offline	
Deployment, updates and compatibility			Some kind simpler in the online solution but feasible for the offline option
Unpublished Data Security			Though security can be achieved for the online solution, perception for the user and the assumed risk for WIPO is higher
Large data files transfer			The solution on the offline option is simpler to implement
Performance			Performance for a desktop application tend to be easier to acquire
User experience			Both options can deliver a similar user experience
Availability			For the offline solution no HA architecture is required
Multisite deployment		V	No special requirements for the offline option



Transition Roadmap (draft)



Challenges

- Collaboration with IPOs (regulations, training, IT systems integration, etc)
- Communication with applicants and other stakeholders
- Continuous maintenance to be aligned with industry standard (INSDC updates twice per year) and new technologies
- Users support



Key for success

Working as ONE





Questions and Discussions

Thank you for your attention!

