

**UNITED STATES  
PATENT AND TRADEMARK OFFICE**



# Patent Public Advisory Committee Quarterly Meeting

## Patents End to End IT Updates

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# Major Patent IT activities - external

Effort	Benefits	Key Recent Milestones
<b>Patent Center</b>	Enhanced user experience through improved interface and processes for patent submission, review, and management. More secure authentication process. Increased accuracy of application processing and publication.	<b>DELAYED:</b> As of Mid-April 2019, over 22,500 applicants (80% of target) migrated their old authentication PKI certificates to new authentication solution which more aligned with commercial solutions (e.g. Banks) and over 254,500 sponsorships have been completed.
<b>International Initiatives</b>	<p>CPC (Cooperative Patent Classification) tools allow for continued refinement of the CPC scheme that improves dissemination and prior art discovery in the IP offices and global IP community.</p> <p>The new bio sequence listing standard ST 26 allows for more accurate processing of the sequence file and improved disclosure.</p>	<p><b>On track:</b> Feb 2019 – Enhance CPC tools to improve reclassification projects between IP offices that refine the scheme and additionally improve search features for the CPC Schema</p> <p><b>On track:</b> Mar 2019 – Building the infrastructure to support the receipt and processing of the new bio sequence listing standard ST26.</p>

# Major Patent IT activities - internal

Effort	Benefits	Key Recent Milestones
<b>Search</b>	Examiners can use a single location rather than multiple systems. New features and collections can be added based on a modern platform with new architecture that is scalable and open source, and adaptable for emerging technologies including Artificial Intelligence (AI).	<b>Delayed:</b> Deployed additional functionality in October 2018 including Highlight Text on Image and Simultaneous Left & Right Truncation and code hardening. Commenced training of over 400 User Centered Design Council members. Deployed in production new foreign data collection from WIPO and France and flip rate improvements in February 2019.
<b>PAP IT Changes</b>	Improve business processing by changing the count system and how to route cases via CPC classification; Reporting, organization structure and workflow will also be modified.	<b>On track:</b> Initial IT requirements gathering underway in order to meet the revised Performance Appraisal Plan (PAP) recently negotiated with Labor Unions.
<b>Artificial Intelligence</b>	Provide Examiners COTS tools for visualization and clustering and related patent terms integrated with Search to improve overall patent application prosecution.	<b>On track:</b> Initial analysis underway for a proof of concept.

# Major Patent IT activities - other

Effort	Benefits	Key Recent Milestones
<b>Stabilization</b>	Continue efforts to stabilize and support deployed solutions and add important functionality to improve the patent prosecution process.	<b>On track:</b> Prioritizing technical debt for Patent Legacy products within funding limits. Completed proof of concept for PALM related infrastructure enhancements. Working with vendor on an Emergency Response Team Analysis.
<b>Modernization</b>	Focus on developing PE2E products to replace legacy tools. Create more capabilities to meet the patent business' goals for quality improvement, patent pendency reduction, and business process improvement.	<b>On track:</b> All Patent Corps users have been migrated to OC for new Office Actions rather than the legacy OACS system. All legacy MADRAS system users have been migrated to DAV.

# Questions and comments

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