

**UNITED STATES
PATENT AND TRADEMARK OFFICE**



Patent Public Advisory Committee Quarterly Meeting

Patents End to End IT Updates

David Chiles – Acting Chief Information Officer

William Stryjewski – Acting Associate Commissioner for Patent
Information Management

Thomas A. Beach – Portfolio Manager and Chief Data Strategist

February 7, 2019

UNITED STATES
PATENT AND TRADEMARK OFFICE



Major PE2E examination products

Effort	Description	Key Milestones
Docket and Application Viewer (DAV) in Examination Tools & Infrastructure (ET&I) project (replaces eDan)	Case management tool: docket with multiple views; planner to prioritize work; document, claims, application management; IDS viewer, electronic notes	<ul style="list-style-type: none"> • May 2016: Full feature parity with eDan achieved May 2016; eDan retired in Dec 2016 • Sept 2018: DAV is using PE2E CMS for IFW for all images • Oct 2018: Production Deployment MADRAS parity with IFW messaging as part of the electronic Document Review System (eDRS) functionality of DAV, and the first pilot implementation of Relevant Prior Art (RPA) • Q2 FY19: Next Steps: RPA to limited audience and migrate MADRAS users to DAV/eDRS
Official Correspondence (Office Actions/replaces OACS)	Authoring & workflow solution; integrates with DAV by leveraging notes, references, & dispositions	<ul style="list-style-type: none"> • August 2018: Deployed in production OACS parity, including PCT functionality • September 2018: Completed 508 compliance in production • October 2018, Patent Corps training completed, as planned and approximately 7,500 users are using Official Correspondence (OC) rather than the legacy OACS system. Make-up training available, upon request. • Jan 2019: Next steps: Transition remaining OACS users to OC
Examiner Search (replaces EAST)	Modern, scalable enterprise search for Patent Examiners	<ul style="list-style-type: none"> • July 2018: Stress test by Patent Corps users with overall positive results • Oct 2018: Additional functionality completed including Simultaneous Left and Right Truncation; technical debt and defect fixes • Oct. 2018 Training of entire UCDC (~700 users) anticipated completion in Nov 2018 • Next steps: Jan. 2019 - Deploy version with increased foreign data access and highlight text on image, improves performance, increase user base by adding 200 examiners from the TCs. Fall of 2019, begin rollout to examining corps at large.
Cooperative Patent Classification (CPC)	Harmonization & modernization of classification jointly managed between USPTO & EPO. Facilitates collaborative maintenance of classification system	<ul style="list-style-type: none"> • Dec 2018: Continuing quarterly releases in cooperation with international partners; enhancement focusing on Notice of Change (NOC), artifact generation, cross reference list (CRL), error processing reports, UI for Classification Allocation Tool (CAT), QA Tools and PDCS in CAT. • FY19: Next steps: Complete migration from CPC DB and transition to CPC INTL; Schedule for major, post-prototype milestones and migration of data from other repositories into production.

PE2E key release: Official Correspondence

Status: Stability issues have been addressed and full migration to OC on track to be completed by January 2019

Recent Milestones:

- August 2018: Deployed in production OACS parity, including PCT functionality
- September 2018: Completed 508 compliance in production
- January 2019:
 - All Patent Corps training completed, as planned. Make-up training available upon request.
 - Approximately 7,500 users in 9 of 10 Tech Centers are using OC and no longer using legacy authoring tool

Next Steps:

- Migrate remaining users from legacy OACS to OC by January 2019
- FY 19: Retire OACS and prepare for future decommissioning of OACS related servers and software

PE2E key release: Search

Status: Continue development of Search - EST

Recent Milestones:

- May, July and November 2018: Successfully conducted stress test with UCDC users and received positive feedback. Issues were added to backlog to be addressed in upcoming releases
- Mar-Nov 2018: Trained additional pilot users from the User Centered Design Council (UCDC)

Next Steps:

- Q4 FY 19: PE2E Search tool for non-compensated use for 2,000 Examiners

PE2E key release: Patent Center

Status: Building out electronic patent filing and viewing functionality, and expanding DOCX submission filing types (over 2,500 DOCX submissions received through January 2018) to directly receive text-based applications and dramatically increase automation. Replaces EFS-Web, Private & Public PAIR

Recent Milestones:

- Oct 2018: Released the new authentication migration tool to public users. As of mid-Jan 2019, approximately 18,000 applicants migrated PKI certificates to USPTO.gov accounts.
- Nov 2018: Released new sponsorship tool to public users. As of mid-Jan 2019, approximately 200,000 sponsorships have been completed.
- Dec 2018: Expanded DOCX processing, including additional font support; Performance enhancements; Web ADS enhancements.
- Jan 2019: Implement the new verification process for new EFS-Web, Private PAIR, and Patent Center users

Next Steps:

- Continue to migrate the remaining PKI certificates USPTO.gov accounts as the replacement to Entrust PKI certificates.
- Discontinue PKI authentication to EFS-Web and Private PAIR
- Decommission the migration tool
- Add new Patent Center functionality and train new pilot users



Status of transition to individual sign-ins

Migrations from PKI Certificates to
USPTO.gov accounts for EFS-Web/Private
PAIR as of 1/17/2019

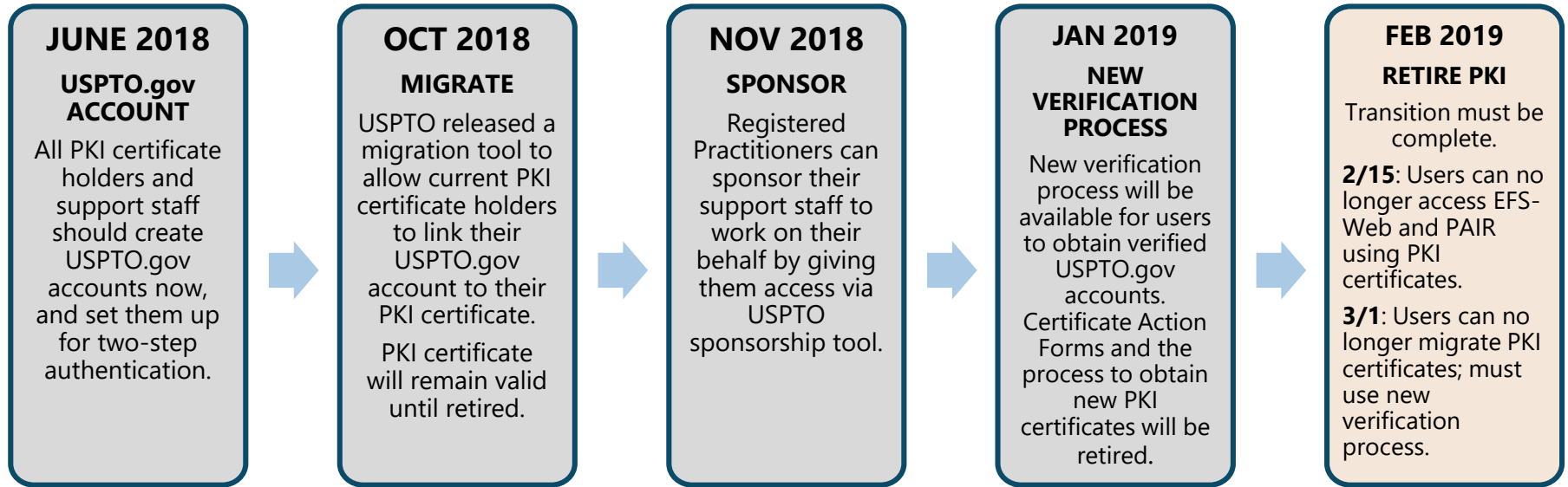


Sponsorships for practitioner support staff
to access EFS-Web/Private PAIR as of
1/17/2019



Authentication changes for EFS-Web and PAIR

There is a new, safer, and simpler log-in through a USPTO.gov account.



Stay informed

- Learn more about the [new, simpler, and safer log-in method using a USPTO.gov account](#).
- The [Migration CBT](#) and [Sponsorship CBT](#) are now available.
- Make sure to get updates about the new authentication method, Patent Center, and patents topics. Subscribe to [USPTO Patents Alerts](#).
- Send any questions and comments related to the new authentication method for EFS-Web and PAIR, and Patent Center to the team at eMod@USPTO.gov.



Authentication changes for EFS-Web and PAIR

Take action now! Getting a USPTO.gov account is quick and easy.

Benefits:

- Eliminates shared credentials: practitioners no longer have to share accounts with support staff, who will have their own.
- Modernizes security process with two-step authentication: username/password plus a one-time code delivered by either email or mobile device application.
- Saves time by granting access to multiple USPTO systems with one consolidated sign-in.

If you use Financial Manager, you already have a USPTO.gov account.

- Just opt-in to two-step authentication.
- Tools are available to set up migration and sponsorship.

If you need any assistance creating your USPTO.gov account, please contact the USPTO Contact Center (UCC) at 800-786-9199.



PE2E key release: CPC Collaboration Tools

Status: Improving tools to increase automation and reduce process time when collaborating with EPO to create shared, web-based collaboration tools for examiners to resolve classification issues & recommend revision projects

Recent Milestones:

- Feb 2018: Enhanced Advance Editor to include notes, warnings, IPC/hierarchy validation, error log; add SCT Validation Matrix; Began implementation of Image Management system
- May 2018: Enhanced Advance Editor to include comparison tool; Enhanced Image Management to include catalog search capability; RBAC integration for CPC collaboration tools
- Aug 2018: Enhanced Advance Editor to include comparison tool for titles, notes, and warnings; enhance Basic Editor schema and definitions; implement workflow management system in pilot mode; integrated dashboard into CPC collaboration tools
- Oct 2018: Enhance Advance Editor to include Notice of Changes (NOC) Artifact Generation; multi project validation, setup Mini CK Editor; deliver workflow management system into production

Next Steps:

- Feb 2019: Integrate with CPC Database to include working list; enhance Schema Navigator to include Subject Matter Indexing, Synonym library, and Master Revision Concordance List; enhance Re-class Monitoring System (dependency on CPC INTL)

PE2E key release: CPC Management Tools

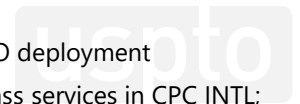
Status: Deployed Jan 2013; refining & improving classification tools to work toward Classification Data System (CDS) retirement with enhanced USPTO-driven components of CPC, including the Classification Allocation Tool (CAT) to support CPC Reclassification projects and legacy services, and Next Gen applications - DAV and Enterprise Search Tools (EST)

Recent Milestones:

- Jan 2018: Delivered Re-Class Project Manager enhancements to include upload xml file as project scope, validate source symbol and target symbol against CPC symbol table, ability to display upload and errors in scope dialog box, enhance dialog box to include source and target symbols plus types of transfers and errors; enhance quality assurance tool to include ability to filter and sort search results; automate decision section expansion to preserve ability to save decisions and keep them visible to user; enhance PDCS lookup function to display in bullet form and show fiscal year for batch processing date
- Apr 2018: Beginning implementation testing of CPC INTL Create, Read Update, Delete (C.R.U.D) services focused on Write services; PDCS in CAT – Lookup Tool & Standard Utilities; enhance CAT to include user interface and admin tools
- Aug 2018: Patent Corps Implement CPC INTL including dual write, parallel update of old and new systems; create reports and load National Office data; interface CPC INTL with CPC collaboration tools; enhance CAT QN Directory and PDCS
- Oct 2018: Patent Corps implement CPC INTL to include switch-over, decommissioning activities; Re-Class Intellectual Transfer Tool; implement PGPUB QA Tool

Next Steps:

- Feb 2019: Continue delivery of reclass services in CPC INTL and prepare for bilateral testing with EPO, pending EPO deployment
- May 2019: Continue integration of other PE2E apps (DAV, Search, OC) with the CAT tool; continue delivery of reclass services in CPC INTL; dependent on EPO deployment, begin bilateral testing



PE2E key release: Global Dossier

Status: Provide published US application dossier documents via web services for consumption by foreign IP Offices and a public-facing USPTO website to access foreign IP Office application documents

Work reaching conclusion for this phase

Recent Milestones:

- February 2018: Citation List service – consolidated list of citations for patent family
- December 2018: Began delivery of enriched citation data

Next Steps:

- FY19: Delivery of phase 1 for service that delivers notifications/alerts on status changes for US applications. Create and further enhance USPTO version of EPO CCD tool to replicate EPO CCD functionality. Integrate with next generation Examiner and Public tools for use by Examiners and external users

Legacy system retirement

Recent Milestones

- December 2016: Retired eDAN; replaced by Docket and Application Viewer

Next Steps

- FY19: MADRAS retirement (delayed from FY18); to be replaced by the integration of Content Management System (CMS) and eDRS functionality in Docket and Application Viewer and retire IFW
- FY19 (delayed from FY18): OACS retirement; to be replaced by Official Correspondence (OC)
- FY20: (delayed from FY19): Classification Data System (CDS) retirement; to be replaced by CPC
- FY20 (delayed from FY19): Tentative EAST retirement; to be replaced by PE2E Search

Questions and comments

- David Chiles – *Acting Chief Information Officer*
- William Stryjewski – *Acting Associate Commissioner for Patent Information Management*
- Thomas A. Beach – *Portfolio Manager & Chief Data Strategist*

(571) 272-9400, OCIO

(571) 272-5450, OPIM

David.Chiles@USPTO.GOV

Williams.Stryjewski@USPTO.GOV

Thomas.Beach@USPTO.GOV



