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Patent Public Advisory Committee Quarterly Meeting

IT Update

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Major PE2E Examination Products

Effort	Description	Key Milestones
Docket & 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	**Full feature parity with eDan achieved May 2016; eDan retired in Dec 2016** **Production Deployment Apr 2018: Additional MADRAS Parity with Annotations, Copy Selection, and Administrative Functions; Relevant Prior Art Services (RPA) Infrastructure in support of features; and prepared storage as a service for future data intake migration to PE2E CMS.**
Official Correspondence (Office Actions/replaces OACS)	Authoring & workflow solution; integrates with DAV by leveraging notes, references, & dispositions	Pilot released Feb 2016 Production release to pilot audience completed Dec 2016 Performance improvements completed Jan 2017-Jan 2018 **Production fixes deployed in Mar 2018 to address stability and image quality issues. Also, completed the initial core elements of the mailroom electronic review & reviewer gadget** **Resumed training and rollout to Corps starting in Apr 2018 with previously trained Examiners in TCs 1600, 1700, 2900, and 3600 (approximately 5,000 users)** **Next steps:** Training of new users in TCs 2100/2400/2600/2800/3700/3900 (CRU) is currently planned to be completed in Aug 2018
Examiner Search (replaces EAST)	Modern, scalable enterprise search for Patent Examiners	Quarterly releases to expanding audience; beta released Dec 2016 **Bug fixes, performance enhancements deployed Jan-2017-Jan 2018** **Next steps:** FY19 Q1 production ready deployment (**delayed from December 2016**)
Cooperative Patent Classification (CPC)	Harmonization & modernization of classification jointly managed between USPTO & EPO. Facilitates collaborative maintenance of classification system	Released Jan 2013 Presented USPC/CPC crosswalk data for examiners Apr 2016 **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;** **Next steps:** FY19: 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 training is resuming to the Patent Corps

Recent Milestones

- Apr-Sep 2017: Trained OPESS staff; pilot Patent examiners; managers on User Centered Design Council; and TCs 1600, 1700, 2900, 3600 (~5K users)

- Jan 2018: Fixes being tested to address stability and performance issues that led to suspension of examiner training and rollout

- Mar 2018: Deployments completed in March that fixed the quality of image conversions from TIFF to PDF and completed the initial core elements of the mailroom electronic review & reviewer gadget. Additionally, fixes were deployed to address stability issues that were affecting the continuation of Patent Corps training

- Apr 2018: Resume training and rollout to Corps starting with previously trained Examiners in TCs 1600, 1700, 2900, and 3600 (approximately 5,000 users)

Next Steps

- Training of new users in TCs 2100/2400/2600/2800/3700/3900 (CRU) is currently planned to be completed in Aug 2018

PE2E Key Release: Search

Status: Continue development of Search - EST

Recent Milestones

- Dec 2016: Beta release

- Jan 2017 - Mar 2018: Deployed enhancements; pilot audience currently testing latest version

- Mar-Apr 2018: Trained additional pilot users from the User Centered Design Council (UCDC)

Next Steps

- Through 2018: Continue to fix production bugs and add functionality

- Sep 2018: Rollout to UCDC (changed from 1,000 pilot users)

- Mar 2019: Rollout to 4,000 users in the Examination Corps

- FY19: Rollout to entire Patent Corps (delayed from Dec 2017)

- FY20: Retirement of legacy EAST system (delayed from FY19)

PE2E Key Release: Patent Center

Directly receive text-based applications and dramatically increase automation. Replaces EFS-Web, Private & Public PAIR

Status: Building out eCommerce functionality and expanding accepted XML document types

Recent Milestones

- Jul 2017: Internal Alpha: intake XML for utility non-provisional, provisional, design & nat'l stage, & follow-ons

- Sept 2017: Legacy EFS-Web & Private PAIR enhanced to accept text-based applications for initial application for new non-provisional utility

- Nov 2017: External Alpha based on July 2017 functionality; integrated RBAC, MyUSPTO, Global Dossier, API Gateway, FPNG w/24hr re-authentication, SSO, 2-factor one time password via email, virus scan

- Mar 2018: Add 4 new submission types and 4 corresponding follow-on types; new DOCX features in Patent Center. Trained new pilot users and the first patent application was successfully filed in Patent Center

Next Steps

- May 2018: Deploy in production additional filing & search types; begin migrating PKI certificates to RBAC accounts; Revise Bib Data; eOffice Action implementation & integration with legacy tools; and design Blue Green architecture

- FY 18: Continue to add new functionality and train new pilot users in Patent Center

PE2E Key Release: CPC Collaboration Tools

Collaborate with EPO to create shared, web-based collaboration tools for examiners to resolve classification issues & recommend revision projects

Status: Improving tools to increase automation and reduce process time

Recent Milestones

- Nov 2017: Deliver enhancements to notice of changes and artifact generation; deliver updates to Cross Reference List

- Feb 2018: Enhance Advance Editor to include notes, warnings, IPC/hierarchy validation, error log; add SCT Validation Matrix; Began implementation of Image Management system

Next Steps

- May 2018: Enhance Advance Editor to include comparison tool; Enhance Image Management to include catalog search capability; RBAC integration for CPC CE Products

- Jul 2018: Enhance Advance Editor to include comparison tool for titles, notes, and warnings; enhance Basic Editor schema and definitions; implement workflow management system in pilot mode; integrate dashboard into CPC CE Products

- Oct 2018: Enhance Advance Editor to include NOC Artifact Generation; multi project validation, setup Mini CK Editor; deliver workflow management system into production

- 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

Enhance 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)

Status: Deployed Jan 2013; refining & improving classification tools to work toward CDS retirement

Recent Milestones

- Oct 2017: Enhance QA Tool to handle error processing; create new reports; enhance CPC INTL services and user interfaces for CAT

- 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

Next Steps

- 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

- Jul 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 CE; 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

- Feb 2019: Patent Corps implement CPC INTL decommission; integrate CAT with other PE2E apps (DAV, Search, OC); Re-class Progress Tracking Tool/Dashboard Reports; enhance My CPC Collection

PE2E Key Release: Global Dossier

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

Status: Work reaching conclusion for this phase

Recent Milestones

- Dec 2016: Delivered Global Dossier Document Sharing system for IP5 partners to test fully functional active component services, shared document processing capability

- Apr 2017: Begin testing Global Dossier Document Sharing with IP5 partners

- Jun 2017: Establish Back File database for DocDB; test EPO's open patent services

- Sep 2017: Delayed from Aug 2017. Deliver consolidated citation list and export functionality; deliver new portal for examiners

- Nov 2017: Deliver enhanced data model to capture and store additional information; implement patent number expansion and new information disclosure citation form

Next Steps

- No project in FY2018

Legacy System Retirement

Recent Milestones

- Dec 2016: Retired eDAN; replaced by Document & Application Viewer

Next Steps

- FY18: MADRAS retirement; to be replaced by Content Management System and Document & Application Viewer

- FY19 (delayed from FY 18): OACS retirement; to be replaced by Official Correspondence (OC)

- FY19: Classification Data System (CDS) retirement; to be replaced by CPC

- FY20 (delayed from FY 19): EAST retirement; to be replaced by PE2E Search

Questions and Comments

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