

**UNITED STATES
PATENT AND TRADEMARK OFFICE**

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Patent Public Advisory Committee Quarterly Meeting

IT Update

John Owens II

Chief Information Officer

Debbie Stephens

Associate Commissioner for Patent Information Management

David Landrith

Portfolio Manager, PE2E

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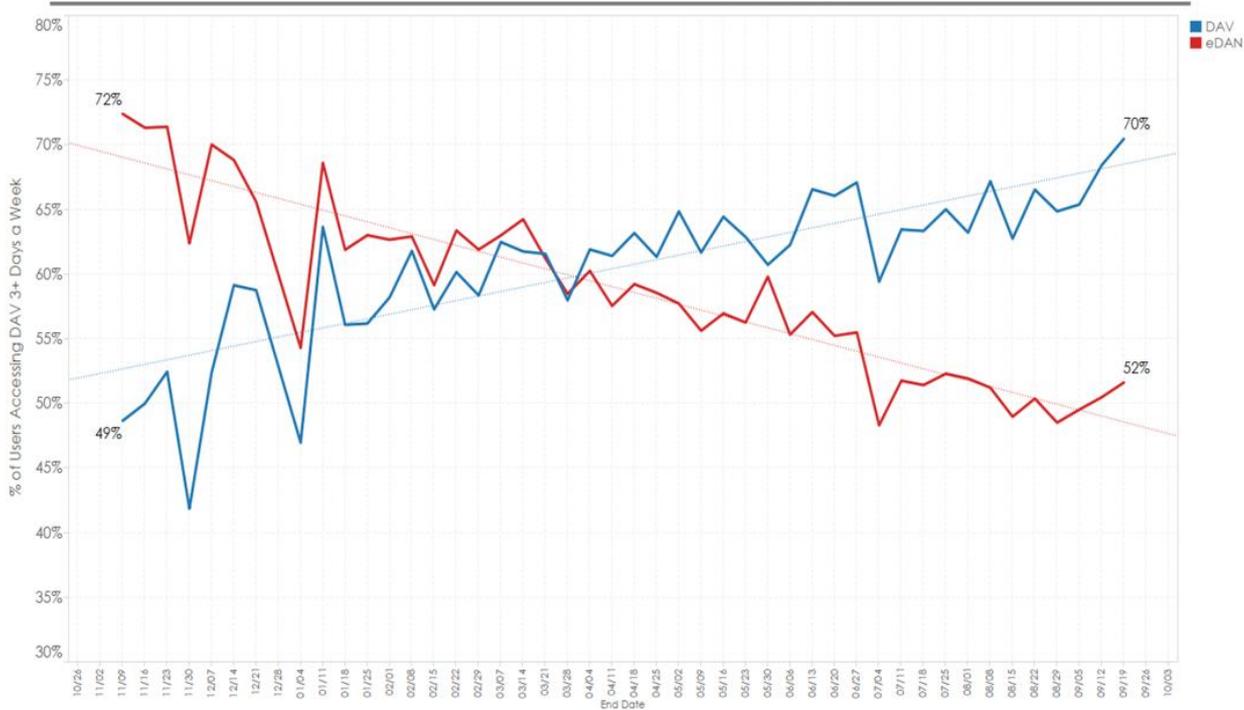
Major PE2E Examination Products

Effort	Description	Milestones & Release Dates
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	Released Mar 2015 Enhancement released quarterly 508 Certification released Feb 2016 eDAN parity July 2016 Retire eDAN Dec 1, 2016 MADRAS parity planned in 2017 project
Official Correspondence (Office Actions/replaces OACS)	Authoring & workflow solution; integrates with DAV by leveraging notes, references, & dispositions	Limited audience release Nov 2015 Pilot released Feb 2016 Pilot released additional features July 2016 Pilot release to larger audience Nov 2016 Production release target Dec 2016
Examiner Search (replaces EAST)	Modern, scalable enterprise search for Patent Examiners	Limited audience release Nov 2015 Pilot released Apr 2016 Pilot released to larger audience Jul 2016 Pilot released majority feature complete Oct 2016 Production release target Dec 2016
Cooperative Patent Classification (CPC)	Harmonization & modernization of classification jointly managed between USPTO & EPO. Facilitates collaborative maintenance of classification system	Released Jan 2013 Released enhancements Oct 2015 Released enhancements Apr 2016 Released enhancements Jul 2016 Target enhancements Nov 2016

DAV Release Status: Usage over Time

Starting Dec 2016, eDan will no longer be used by the Corps

PE2E-DAV and eDAN: Weekly Average Trends - 3+ Days a Week – All TCs



**eDAN and PE2E-DAV :
Weekly Average Trends
3+ Days a Week**



PE2E Key Release: Official Correspondence

Status: On track for Dec 2016 release to the Patent Examination Corps

Recent Milestones

- Apr 2015: Completed 1st workflow prototype
- Apr 2015: Completed selection & validation of toolset, including MS Word 2013 based authoring tool
- Nov 2015: Completed first limited audience release (delayed from Sep 2015)
- Dec 2015, Jan 2016: Completed - Office 2013 release in USPTO resolves key dependency
- Feb 2016: Completed - Forms for Legal Instruments Examiner (LIE), UI improvements
- Apr 2016: Completed - Partial LIE workflow & mailing, additional Examiner web-based forms
- July 2016: Completed - Task pane replacement, reporting, workflow, GUI, additional Examiner web-based forms (delayed from Jun 2016)

Next Steps

- Nov 2016: Enhancements to: Authoring, reporting, GUI, Examiner workflow & mailing, complete Examiner forms, integration w/external systems (delayed from Aug 2016)
- Dec 2016: Release to Examination Corps



PE2E Key Release: Content Management System

Consolidates multiple content repositories into single, modern, highly available solution to reduce duplication & support distributed deployment to decrease downtime

Status: Storage solution on hold to resolve high availability and disaster recovery (HA/DR) issues; work on data migration from non-IFW systems continues

Recent Milestones

- Jan 2016: 70% of all IFW data available to the Patent Corps in the PE2E CMS (delay)
- Mar 2016: 99.5% of IFW data migrated to PE2E CMS (delay from Dec 2015)
- Apr 2016: CMS taken offline due to issues related to completing requirements for disaster recovery and high availability

Next Steps

- Complete requirements for HA/DR to bring PE2E CMS back into production in FY17
- Support migration of data from other legacy repositories

PE2E Key Release: Patent Center

Modernize eCommerce system to directly receive text-based applications and dramatically increase automation.

Status: Focusing on accepting Office Open XML (e.g., docx) and converting to XML4IP to validate feasibility, quality, and system interaction; initial application type is non-provisional utility applications

Recent Milestones

- Apr 2015: Began gathering requirements
- Dec 2015: Deployed prototype for transitional user-authentication/login system
- Jun 2016: Deployed to internal team for testing docx versions of non-provisional utility
- Aug 2016: Deployed to limited pilot leveraging EFS-Web & Private PAIR to accept initial non-provisional utility applications (claims, specifications, abstract) in text (docx); Office Actions are also available in text (docx, xml)

Next Steps

- Dec 2016: Improvements to docx ingestion and text conversion processes; proof-of-concept with RBAC
- 2017 project: Limited beta, adding capability to handle full lifecycle of non-provisional utility filings (delayed from Dec 2016)



PE2E Key Release: Examiner Search

Status: On track for Dec 2016 release to the Patent Examination Corps

Recent Milestones

- Apr 2015: Resumed development on existing UI and technology based on same software used in GPSN and Assignments on the Web
- Apr 2015: Completed study on USPTO approach, validated current toolset
- Nov 2015: Released to limited audience; all search collections, 119M documents & 41TB data total
- Apr 2016: Pilot released; focus on performance, (delayed from March)
- July 2016: Pilot released to larger audience; performance improvements, additional feature parity
- Oct 2016: Pilot released; majority feature complete product

Next Steps

- Dec 2016: Release to Examination Corps

PE2E Key Release: Data for PE2E

Converts images to structured text (XML) that Examiners can use with analytical tools.

Documents converted include Claims, Specifications, Abstracts, Remarks, Information Disclosure Statements, Petitions, and Briefings.

Status: Converting all received application to XML4IP within 4 hours on average

Recent Milestones

- Jun 2015: Approx 164M pages converted from image and are available to the Examiners in structured text
- Sept 2016: Approx 220M pages converted from image and are available to Examiners; on-demand Optical Character Recognition & supporting user interface

PE2E Key Release: Global Dossier

Public Access to Foreign Application Dossiers (GD-PAD)

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: Solution for public documents in use; prototyping underway to share non-public documents

Recent Milestones

- Work ongoing to implement secure pre-publication document sharing among IP partners
- Jul 2016: Delivered Global Dossier Document Sharing Prototype for IP5 Offices to for testing

Next Steps

- Dec 2016: Deliver Global Dossier Document Sharing system for IP5 partners to test fully functional active component services, shared document processing capability
- FY17: Enhance Patent Examiner & Public Access portals; pending IP5 partner agreement, provide live document sharing system



PE2E Key Release: CPC Database

Enhance 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

- Feb 2016: Delivered enhanced “My CPC Collection” for Examiners to create personalized collection of CPC symbols and Combination sets; enhanced Classification Picture tool to identify Invalid and Frozen symbols
- Apr 2016: Delivered enhanced CPC Scheme Viewer for symbol level view; presented crosswalk data for USPC to CPC concordance for examiners.
- Jul 2016: Delivered enhanced QA and Reclassification tools to comply with new Business rules; create services for CDS retirement
- Oct 2016: Integrate Production Data Control Services (PDCS) tool into CAT; pilot automated updates across USPTO & EPO databases

Next Steps

- FY17: Deploy new database & services in the cloud to automate updates; Prepare for CDS retirement



PE2E Key Release: CPC IP Office Collaboration Tools

Work with EPO to select and adapt web-based collaboration tools plus make required network and/or application changes. Provide examiners a message board-like environment to discuss classification issues and recommend revision projects

Status: Improving tools to increase automation

Recent Milestones

- Nov 2015: Enhanced Scheme Navigator; implemented Definitions Editor implement federated identity management solution
- Feb 2016: Enhanced Scheme Navigator and Definitions Editor
- May 2016: Enhanced RST (Revision Support Tools) for automatic generation of Notice of Change (NOC) artifacts; Structured Proposal Editor to import existing docx files; Dashboards to show multi-year release plan
- Aug 2016: Enhancements for Revision Support Tools, Structured Proposal Editor, Scheme Navigator, and Dashboards

Next Steps

- Nov 2016: On track to deliver Structured Proposal Editor enhancements, definitions, and images
- FY17: Incorporate enhancements to revision and editing control, introduce rich text editing, discussion board for comments and collaboration, notice of changes and refine project coordinator within the dashboard.

Questions and Comments

John Owens II

Chief Information Officer

(571) 272-9400

John.Owens@USPTO.GOV

Debbie Stephens

Associate Commissioner for Patent Information Management

(571) 272-5450

Deborah.Stephens@USPTO.GOV

David Landrith

PE2E Portfolio Manager

(571) 272-8947

David.Landrith@USPTO.GOV



