Patent Public Advisory Committee
Quarterly Meeting

IT Update

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## Major PE2E Examination Products

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<th>Effort</th>
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<th>Milestones &amp; Release Dates</th>
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| **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 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
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 transitionary 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

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