

Patent Public Advisory Committee Meeting

PE2E Status

through January 31, 2012



David Landrith
Patents Portfolio Manager
February 14, 2012



PE2E Progress

- Leverages agile development & user centered design
- Utilized unprecedented level of examiner & executive involvement
- Entirely new, industry-leading application infrastructure
 - Stable application capable of non-disruptive upgrades
 - Scales to fit expanding needs of USPTO
 - Web-based application runs through browser
- Presents contents of entire patent case in text
- 16 weeks of core programming effort
- Production application; not prototype



PE2E 1.0 Release Status

- Front-end development began May 2011
- Back-end development and design began June 2011
- Deployed into production in September 2011
- Worked to resolve data issues through January 2012
- CRU examiners being trained; using to examine new cases



PE2E Demo





PE2E FY12 Roadmap

- FY12 plans:
 - Vastly increased scale of development
 - Quarterly releases of new functionality & enhancements
 - Prepare for gradual rollout to corps in FY13



FY12 Roadmap

Programs & projects	FY12				FY13	
	Q1	Q2	Q3	Q4	Q1	Q2
<i>Agile activities for patent search capabilities</i>						
Automated prior art searches				Create prototype		
CPC data migration				Create database	Update schema	
CPC classifications in search systems		Implement views	Show CPC & USPC comparison in search			
Exploring search technologies	Create interface and indexing prototypes			Test & deploy		
<i>Agile activities for high-value targets</i>						
BPR eGrant		Determine requirements	Develop	Test & deploy		
Applicant to office interface		Conduct user research	Deploy beta text receipt			
PE2E knowledge management & collaboration					Determine requirements	Develop
<i>Architecture & infrastructure 2.0</i>						
Business architecture		Provide oversight	Write initial value stream			
PE2E Office action	Conduct user research	Demo UI	Demo Workflow	Release candidate		
Patent examination tools & infrastructure	Enhance	Improve intake	Add features	Integrate		



FY12 Roadmap (Cont)

Programs & projects	FY12				FY13	
	Q1	Q2	Q3	Q4	Q1	Q2
<i>Cloud environment</i>						
Build internal cloud environment					Design & architect	
<i>Conversion of legacy data</i>						
Continuous capture of CRU data	Image-to-text deliverables provided by contractor					
Continuous capture of application data		Beta capture		Release to production		
PATI patent application text initiative PATI 1.1		Deploy infrastructure				
Comprehensive patent family maps		Design		Develop		Test & deploy
Convert office action data to XML		Design		Test		Convert & load
IFW images & legacy services retired		Design		Develop		Migrate & retire
PATI improved patent text analytics		Deploy to pilot group				Test & deploy
Backfile migration		Acquire data		Validate data		Load data
<i>Agile activities for IP5 initiatives</i>						
Common citation documentation		Releases to pilot group				
CPC database		Prototype production environment			Test & deploy	
CPC collaboration					Propose collaboration environment	
CPC legacy system integration					Change high-value legacy apps	



Risks & Issues

- Availability of USPTO human resources (staff)
- Ambitious scope of features
- Scaling & improving image-to-XML transformation
- Legacy data quality
- Contractor support for software development