Patent Public Advisory Committee Meeting OCIO Update

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Chief Information Officer

September 1, 2011

Universal Laptop Program (ULP) Update

- Production deployment commenced on March 28, 2011.

- Production deployments started at 140 per week and increased to 200 per week through 3rd Quarter.

- Projected deployments of UL in 4th quarter is 255 per week.

- Projected number deployed at end of 4th quarter 5,000 employees or 50%.

ULP Update Cont.

Organizations completed:
- Under Secretary Office
- CFO
- BPAI
- OCCO

Organizations partially completed:
- CAO 92%
- OCIO 83%

PATENT
- TC 1600 Completed
- TC 2900 Completed
- TC 2100 Completed
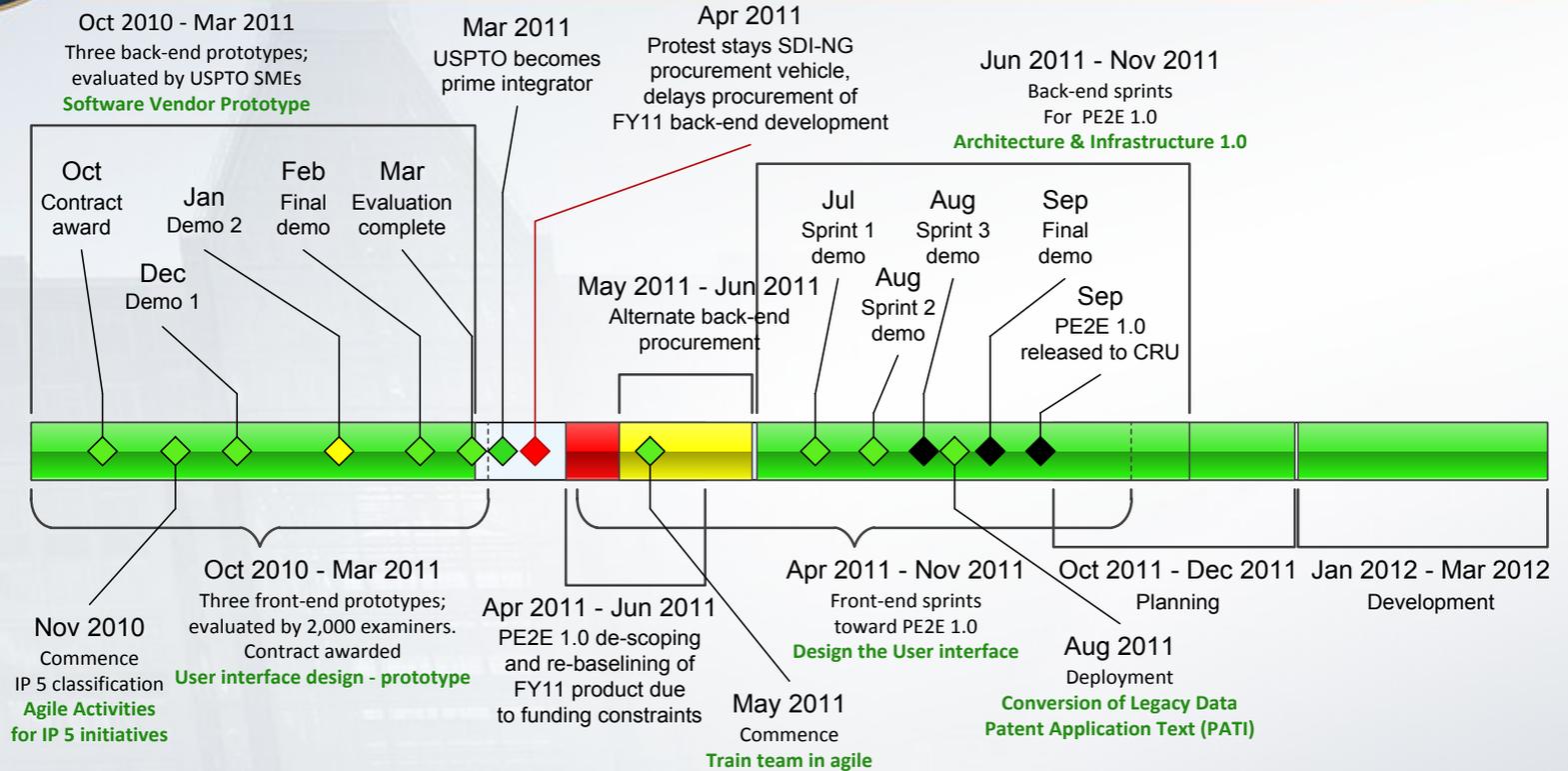- TC 2600 Completed
- TC 2800 Deployment started on 8/22

Patent Public Advisory Committee Meeting
PE2E Update

David Landrith

PE2E Portfolio Manager

September 1, 2011

PE2E Timeline

Oct 2010 - Mar 2011
Three back-end prototypes; evaluated by USPTO SMEs
Software Vendor Prototype

Mar 2011
USPTO becomes prime integrator

Apr 2011
Protest stays SDI-NG procurement vehicle, delays procurement of FY11 back-end development

Jun 2011 - Nov 2011
Back-end sprints
For PE2E 1.0
Architecture & Infrastructure 1.0

Oct Contract award

Jan Demo 2

Dec Demo 1

Feb Final demo

Mar Evaluation complete

May 2011 - Jun 2011
Alternate back-end procurement

Jul Sprint 1 demo

Aug Sprint 3 demo

Aug Sprint 2 demo

Sep Final demo

Sep PE2E 1.0 released to CRU

Nov 2010
Commence IP 5 classification
Agile Activities for IP 5 initiatives

Oct 2010 - Mar 2011
Three front-end prototypes; evaluated by 2,000 examiners. Contract awarded
User interface design - prototype

Apr 2011 - Jun 2011
PE2E 1.0 de-scoping and re-baselining of FY11 product due to funding constraints

May 2011
Commence
Train team in agile

Apr 2011 - Nov 2011
Front-end sprints toward PE2E 1.0
Design the User interface

Aug 2011
Deployment
Conversion of Legacy Data Patent Application Text (PATI)

Oct 2011 - Dec 2011
Planning

Jan 2012 - Mar 2012
Development

FY11 back-end sprint schedule
Sprint 1: case listing
case table-of-contents

Sprint 2: document viewer
claims tree

Sprint 3: examiner notes
claims analysis

Sprint 4: issue resolution

FY12 development focus
Examination tools
Applicant tools
Workflow
Structured text-content

Post FY12 development focus
FY 13: Rollout of functionality to broader audiences
FY 14-15: Define & pursue decommissioning strategy

Milestones delayed to FY12 due to funding
Build internal cloud environment
Agile activities for high value targets
Agile activities for patent search capabilities
Technology test team market research

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Status of Investment

- PE2E 1.0 (CRU) Front-end
  - Initial front-end implementations complete
  - Work ongoing to refine & expand
  - Deliverables are fully-functioning web-applications with stubbed-out services
- PE2E 1.0 (CRU) Back-end
  - Creating production-level services to feed front-end
  - Service-level architecture and technology stack completed to ensure high-availability solution with non-disruptive upgrade capability
- On track to deploy first stage of functionality to the Central Reexamination Unit (CRU) by September 2011
- Conversion of Legacy Data – Patent Application Text (PATI)
  - On track to deploy first stage of functionality to Art Units 2440 and 2460 at the end of August 2011

Front-end Summary

- Integrated front-end design & implementation
  - Initial front-end implementations complete
  - Development continues on additional front-end deliverables
  - Deliverables are fully-functioning web-applications, with stubbed-out services
- Service-level architecture
  - Completed and integrated into project documentation
- Data models
  - Foundational logical model complete
  - Physical model for front-end data through 2nd sprint complete and deployed

Front-end Implementation

User Involvement

- Design/Development sprints every two weeks
- Weekly meetings with examiners
    - Both CRU and "regular" examiners
    - To design the functionality for the next sprint
    - To assess the functionality of the previous sprint
- Major (holistic) user evaluation every six weeks, most recently in July 2011
- Usability advisory council regularly updated
- POPA union fully informed
- Reactions are positive; critical feedback addressed in ongoing sprints

Back-end Summary

- PE2E Technology stack vetted and finalized for FY11 scope

- Internal development began in June 2011

- Procured development kicked-off in June 2011; delayed 2 weeks
  - SDI NG protest delayed procurement; alternate procurement plan pursued
  - Financial adjustments due to emergent budgetary constraints

- First and second sprints complete with successful demo

- Third sprint underway

- Sprints on schedule for September 2011 release
  - Deliverables will provide services to connect back-end to front-end, replacing stubbed-out services delivered in front-end
  - Will build initial data-intake routines from vendors and USPTO data sources

Back-end Summary Cont.

- XML Schemas under development
  - 7 key content types identified for high-granularity schemas
  - Lightweight schema for additional content types
- High-level physical architecture
  - Completed for development environment
  - Ongoing for QA, Staging, & Release
- Environments
  - Development & QA environments built
  - Requirements being gathered for staging & production environments
- Database
  - Logical & physical model complete foundation and scope of 3rd sprint
  - Expansion of database models for subsequent sprints continues

CRU Data Acquisition Risk

- Risk: Converting entire cases from image to structured text (XML4IP) for use in PE2E

- Mitigation Strategy: Working with existing vendor to do three, 3-week trial runs of conversion to test and modify conversion process

  - First trial is complete with ten full cases (reexamination and parent) converted

  - Second trial started August 2011; leveraging knowledge gained from first sprint to attempt conversion of fifteen additional cases

  - On-track to have production-level, image-to-XML4IP conversion ready for CRU release in September 2011.