

## **Accelerate Patent Processing**

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Theme tag – General Science, Space and Technology

# Overview

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## Goal Statement

- By September 30, 2019, the U.S. Patent and Trademark Office will reduce patent pendency to less than 15 months for first action pendency and less than 24 months for total pendency from end of fiscal year 2017 results of 16.3 months and 24.2 months, respectively.

## Challenge

- USPTO promotes technological progress by providing would-be inventors with critical information, and plays a primary role in advancing the Agency's mission to promote American innovation.
- Delays in processing patent applications may significantly impact economic prosperity.

## Opportunity

- Processing patent applications in a high-quality and timely manner advances economic prosperity by using IP as a tool to create a business environment that cultivates and protects new ideas, technologies, services, and products.

# Summary of Progress

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- Overall progress
  - As of end FY2018 Q2 first action pendency was 15.5 months
  - As of the end of FY2018 Q2, total pendency was 24.6
- Explanation of Progress
  - USPTO continues to steadily reduce pendency, by a combination of appropriate staffing levels and performance management which incentivizes high efficiency
  - Reduced first action pendency from 16.3 to 15.5 months, 5% drop in 6 months
  - This quarter's minor increase in total pendency reflects last years' slight rise in first action pendency, which in turn was caused in large part by a hiring freeze
  - On track to hit targets at end of FY19.

# Goal Structure & Strategies

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- Significant on-going efforts that are key to delivering high quality and timely examination of patent applications in support of this APG:
  - Hire and Retain a High Quality Workforce
  - Evaluate Examination Time to Ensure Balance of Quality and Pendency
  - Improve Information Technology (IT) Infrastructure
  - Improve Compliance with Patent Term Adjustment (PTA) Timeframes
- As traditional pendency measures approach acceptable levels, USPTO will start focusing on more refined pendency measures based on the Patent Term Adjustment (PTA) timeframes, which will reduce the number of patent term adjustments issued, and provide applicants with improved pendency predictability. Once the USPTO achieves the optimal pendency levels, the agency will continue to closely monitor inventory and application filing levels to continue calibrating the examination capacity to maintain both PTA and pendency goals while optimizing examination quality.

# Key Milestones

- Hire and Retain a High Quality Workforce
  - Patents has a nationwide workforce that assists in recruiting and retaining top talent from across the country. This is accomplished through a robust full-time telework program and the USPTO regional offices.
  - The USPTO recognizes that patent examiners are the fundamental resource essential to building and strengthening the examination process. Through the dedicated efforts of our employees over the last few years, the USPTO has significantly reduced the patent application backlog and patent pendency.
  - As part of ensuring an optimally efficient workforce, the USPTO seeks to balance employee engagement and morale with appropriate levels of employee accountability.

Milestone Summary				
Key Milestones	Milestone Due Date	Milestone status	Change from last month	Anticipated Barriers or other Issues Related to Milestone Completion
Develop an online Record Sharing Platform with badge-in/out and log-in/out data for all employees.	FY 2018 Q1	Completed successfully	N/A	
Incorporate usage of RSP data into timesheet verification process.	FY 2018 Q3			
Optimize the workforce by hiring 390 patent examiners.	FY 2018 Q4			
Optimize the workforce by hiring additional 390 patent examiners.	FY 2019 Q4			

# Key Milestones

- Evaluate Examination Time to Ensure Balance of Quality and Pendency
  - Since the examination time goals were assigned over 40 years ago, with only slight modifications since, significant changes affecting examination have occurred, such as increased technological complexity, changes in legal landscape and examination practices, and the Agency's transition from the U.S. Patent Classification (USPC) system to the Cooperative Patent Classification (CPC) system.
  - In FY 2017, Patents began an Examination Time Analysis (ETA) project to have a better understanding of factors that impact examination time.
  - Provide sufficient time for examination to ensure high levels of quality and clarity in office actions commensurate with stakeholder expectations and user fees.

Milestone Summary				
Key Milestones	Milestone Due Date	Milestone status	Change from last month	Anticipated Barriers or other Issues Related to Milestone Completion
Develop robust examination time analysis (ETA) data models and evaluate factors that impact examination time and the production system.	FY 2018 Q1	Completed successfully	N/A	
Formulate recommendations for time adjustments based on analysis.	FY 2018 Q2	Completed successfully	N/A	
Define a process for routing utility patent applications to examiners in light of the transition from US classification to CPC.	FY 2018 Q3			
Conduct any required impact and implementation bargaining and implement time and routing adjustments based on successful completion of bargaining.	FY 2019 Q4			

# Key Milestones

- Information Technology (IT) Infrastructure
  - Patents has invested significantly in IT enhancements that ultimately lead to higher quality products and services for both internal and external customers, and will continue the transition to Next Generation IT tools by ensuring that the end-to-end systems achieve full capabilities while also balancing the need to maintain legacy systems until they can be phased out.

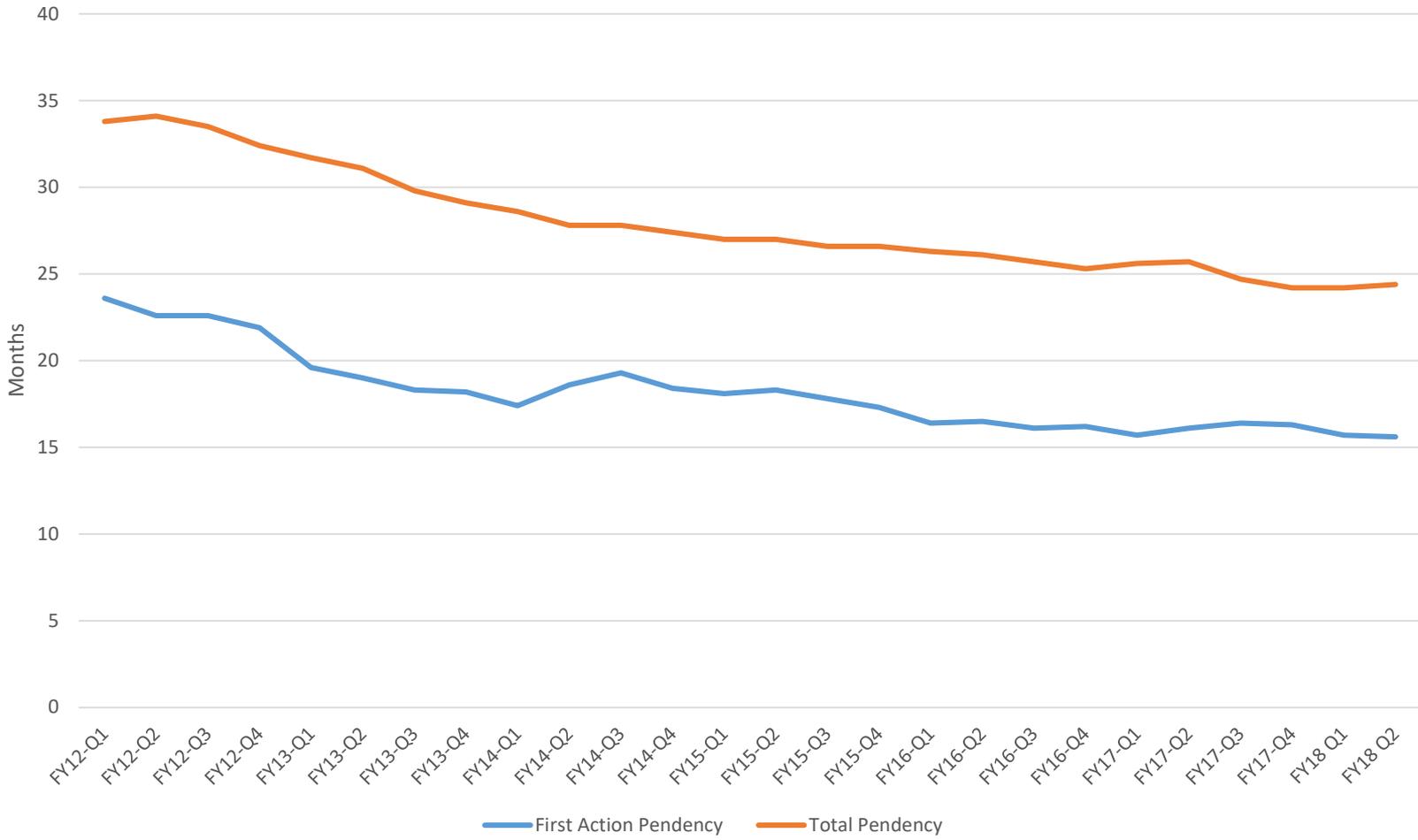
Milestone Summary				
Key Milestones	Milestone Due Date	Milestone status	Change from last month	Anticipated Barriers or other Issues Related to Milestone Completion
Deploy Patent Number Expansion (PNE) capability.	FY 2018 Q2	Completed successfully	N/A	
Deploy enhanced editor and reporting for Cooperative Patent Classification (CPC) system.	FY 2018 Q4			
Expand and deploy Patent Center functionality for applicants to file, view, and retrieve patent applications in text-based documents.	FY 2019 Q4			
Deploy next generation search tool.	FY 2019 Q4			

# Key Milestones

- Improve Compliance with Patent Term Adjustment (PTA) Timeframes
  - Compliance with PTA timeframes provides consistently short pendency for all applications, reduces uncertainty in the marketplace, and ensures that patents expire and become available to the public at the statutorily defined time of 20 years from filing.
  - Promotes operational efficiency throughout the entire examination process.

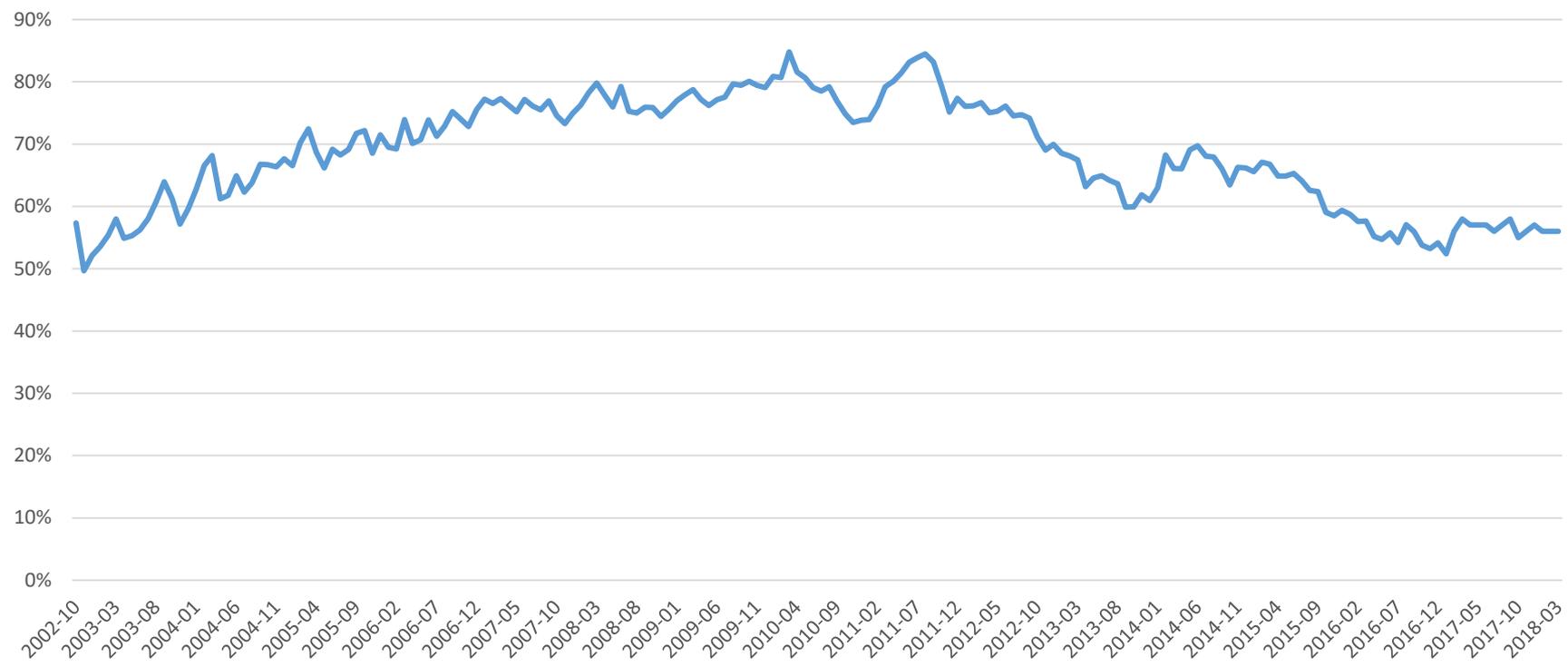
Milestone Summary				
Key Milestones	Milestone Due Date	Milestone status	Change from last month	Anticipated Barriers or other Issues Related to Milestone Completion
Develop compliance targets within the PTA examination timeframes (14-4-4-4-36)	FY 2018 Q2	Completed successfully	N/A	
Revise internal workflow processes to facilitate meeting PTA targets	FY 2018 Q4			
Begin publicly reporting PTA goals and progress towards achieving them on a monthly basis.	FY 2019 Q1			
Meet established PTA targets.	FY 2019 Q4			

# Key Indicators



# Key Indicators

First Actions - % over 14 Months



# Data Accuracy and Reliability

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## PERFORMANCE DATA VERIFICATION AND VALIDATION

In accordance with the Government Performance and Results Act Modernization Act of 2010 requirements, the USPTO is committed to making certain that the performance information it reports is complete, accurate, and consistent. The USPTO developed a strategy to validate and verify the quality, reliability, and credibility of USPTO performance results as follows:

**ACCOUNTABILITY**—Responsibility for providing performance data lies with managers of USPTO programs who are held accountable for making certain that procedures are in place to ensure the accuracy of data and that performance measurement sources are complete and reliable.

**QUALITY CONTROL**—Automated systems and databases that collect, track, and store performance indicators are monitored and maintained by USPTO program managers, with systems support provided by OCIO. Each system, such as the Patent Application Location and Monitoring or Trademark Reporting and Application Monitoring, incorporates internal program edits to control the accuracy of supporting data. The edits typically evaluate data for reasonableness, consistency, and accuracy. Crosschecks between other internal automated systems also provide assurances of data reasonableness and consistency. In addition to internal monitoring of each system, experts outside of the business units routinely monitor the data-collection methodology. The OCFO is responsible for monitoring the agency's performance, providing direction and support on data-collection methodology and analysis, ensuring that data-quality checks are in place, and reporting performance-management data.

**DATA ACCURACY**—The USPTO conducts verification and validation of performance measures periodically to ensure quality, reliability, and credibility. At the beginning of each fiscal year, and at various points throughout the reporting or measurement period, sampling techniques and sample counts are reviewed and adjusted to ensure that data are statistically reliable for making inferences about the population as a whole. Data analyses are also conducted to assist the business units in interpreting program data, such as the identification of statistically significant trends and underlying factors that may impact a specific performance indicator. For examination quality measures, the review programs themselves under review are assessed in terms of reviewer variability, data-entry errors, and various potential biases.

# Contributing Programs

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## Organizations:

- OMB, DOC – Oversight
- Patent Public Advisory Committee (PPAC) – review and advice on patent operations

## Program Activities:

- Patent Business Unit – Implementing organization for APG
- OCIO Business Unit – IT implementation
- CAO Business Unit – Assist in hiring and retention efforts

## Regulations:

- A 10 year extension of the authority of the Director of the USPTO to set or adjust any fee under Section 10, subsection (a) of the 2011 Leahy-Smith America Invents Act (AIA), as supported by the Administration.
- An extension of the Telework Enhancement Act Pilot Program (TEAPP), part of the Telework Enhancement Act, that is set to expire. H.R. 4171, a bill introduced on October 31, 2017 would extend the program through December 31, 2020.

## Policies:

- N/A

## Other Federal Activities:

- N/A

# Stakeholder/Congressional Consultations

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## Congress

- Over the past few years, the USPTO has taken steps to establish and maintain operating reserves to facilitate execution of multi-year plans. Using fee setting authority and other tools, the USPTO continues to refine its multi-year planning and budgeting.
- The Administration supports a 10 year extension of the authority of the Director of the USPTO to set or adjust any fee. Absent congressional action, fee setting authority as prescribed in the 2011 Leahy-Smith America Invents Act is set to expire in September 2018.
- Independent fee setting authority has allowed the Office to effectively engage the stakeholder community on proposed increases; fully recover the aggregate costs of its planned operations; develop and maintain sufficient operating reserves; invest in strategic agency initiatives; and respond to changing market needs.
- A recently introduced bill, H.R. 4171, would extend the Telework Enhancement Act Pilot Program (TEAPP), part of the Telework Enhancement Act, that is set to expire shortly.

## PPAC

- The PPAC reviews the policies, goals, performance, budget, and user fees of patent operations and advises the director on these matters.