

UNITED STATES  
PATENT AND TRADEMARK OFFICE

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# **Patent Quality Chat eCommerce Modernization (eMod) Update**

May 9, 2017

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**To send in questions or comments during the  
webinar, please email:**

**[PatentQuality@uspto.gov](mailto:PatentQuality@uspto.gov)**

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## Enhanced Patent Quality Initiative



High-quality patents enable certainty and clarity of rights, which fuels innovation and reduces needless litigation. To ensure we continue issuing high-quality patents well into the future, we established the **Enhanced Patent Quality Initiative (EPQI)**. We are strengthening work products, processes, services, and how we measure patent quality at all stages of the patent process.

### Updates

- Tune into our next [Patent Quality Chat](#) webinar on Thursday, March 16, from 1 - 2 p.m. ET, on "Training for the Examination of High Quality Patents."
- See our new [Quality Metrics](#) approach categorizing into product, process and perception indicators.
- Sign up for an upcoming [Stakeholder Training on Examination Practice and Procedure](#) (STEPP) course in your area.

### EPQI programs

**You spoke; we listened.** To advance our Initiative, we created **12 EPQI programs** based on feedback from internal and external stakeholders. These programs fall into four areas of concertation for enhancing overall patent quality.

# Patent Quality Chat eCommerce Modernization (eMod) Update

*From the eCommerce Division, Office of Patent Information Management (OPIM), USPTO*

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Communications Manager for eCommerce

**Richard Fernandez**

eMod Project Manager

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Email questions to [PatentQuality@uspto.gov](mailto:PatentQuality@uspto.gov)

# Agenda

- eMod Project
- Interim Authentication Solution
- Patent Center Overview
- eMod Text Pilot Program Updates
- Planned Schedule/ Future Plans/Ongoing Efforts
- Public Involvement



Email questions to [PatentQuality@uspto.gov](mailto:PatentQuality@uspto.gov)

# eMod Project

The **eCommerce Modernization (eMod) Project** improves the electronic patent application process by modernizing USPTO's application filing and viewing systems. Recently completed features:

## Accept Structured Text

- Applicants can submit text\*

## Deliver Structured Text

- Applicants can access text for initial submissions\*
- Applicants can access text for Office actions\*

## Download XML Data

- Applicants can obtain XML data for initial submissions\*

## Interim Authentication

- Temporary solution until new method is available

*\*Currently available via eMod Text Pilot Program Only*



# Interim Authentication

- Java Web Start technology
- An additional method to access:
  - Registered EFS-Web
  - Private PAIR
  - Digital Certificate Manager
- Existing method (Java Applet) still an option
- Utilizes current digital certificates
- Expands browser options by reducing Java Applet plug-in dependency
- New permanent authentication method in progress
- For more information, visit [EFS-Web/PAIR System Requirements](#)





# <https://efs.uspto.gov/efile/myportal/efs-registered>

uspto.GOV

The United States Patent and Trademark Office  
an agency of the Department of Commerce

Authenticate User

[Portal Home](#) | [Patents](#) | [Trademarks](#) | [Other](#)

## Select User Authentication Method

[Authenticate with Java Applet \(old method\)](#)

[Authenticate with Java Web Start \(new method\)](#)

### Which Authentication Method to Choose?

**Authenticate with Java Applet** method is the original authentication method for the system. This method requires Java Runtime Environment (JRE) installed on the system, and Java Applet Plugin installed into the browser. The Java Applet Plugin has to be configured to use the installed JRE. Many newer versions of major browsers may not support Java Applet Plugin.

**Authenticate with Java Web Start** requires Java Runtime Environment (JRE) installed on the system, with Web Start launcher (javaws) configured to process downloaded JNLP files, either by file extension or by file content type. These configuration steps are performed by standard JRE installation process. Java Applet Plugin is NOT required.

For additional information regarding these authentication methods, please visit [EFS-Web/PAIR System Requirements](#).

### If you need help:

- Call the Patent Electronic Business Center at (866) 217-9197 (toll free) or e-mail [EPB@uspto.gov](mailto:EPB@uspto.gov) for specific questions about Patent e-Filing.
- Send general questions about USPTO programs to the [USPTO Contact Center \(USCC\)](#).
- If you experience technical difficulties or problems with this application, please report them via e-mail to [Electronic Business Support](#) or call 1 800-786-9199.

Email questions to [PatentQuality@uspto.gov](mailto:PatentQuality@uspto.gov)

# USPTO User Authentication



Email questions to [PatentQuality@uspto.gov](mailto:PatentQuality@uspto.gov)



# Patent Center Overview

New and unified system to replace EFS-Web and PAIR

## Single Interface

- Features single interface for filing and managing patent applications

## Recent Technology

- Integrates recent technology
- Allows for enhanced system operations
- Enables increased functionality

## Authentication

- Implements new permanent authentication method
- Independent of Java Applet



# Patent Center Benefits

**Updated infrastructure**  
to enable more efficient system integration

**Increased functionality**  
and overall system usefulness

**Enhanced user experience**  
through improved interface

**Improved processes** for  
patent submission, review, and management

**Revamped authentication**  
process to address current Java compatibility

**Increased accuracy** of  
application processing and publication



Email questions to [PatentQuality@uspto.gov](mailto:PatentQuality@uspto.gov)

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# Patent Center New Functionality

Upload multiple documents at a time

Drag and drop for document upload

Intuitive document codes/descriptions

DOCX/XML features

New look and feel (user interface)

Save submissions at any time



Email questions to [PatentQuality@uspto.gov](mailto:PatentQuality@uspto.gov)



# Patent Center New Functionality - cont.



New authentication solution

One user – one account\*

Role-based access\*

Customizable views\*

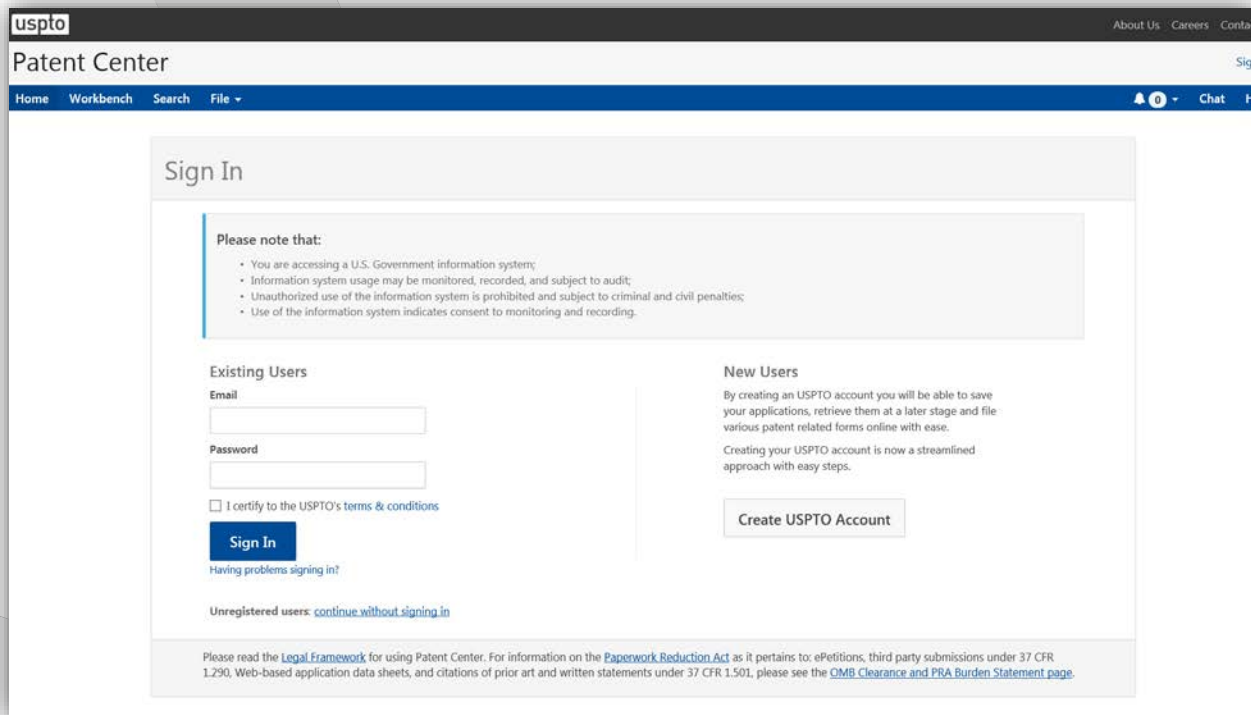
\*Under development; will be available in a future phase



Email questions to [PatentQuality@uspto.gov](mailto:PatentQuality@uspto.gov)



# Draft Interface: Sign In



The screenshot shows the USPTO Patent Center Sign In page. At the top, the 'uspto' logo is on the left, and 'About Us', 'Careers', and 'Contact' are on the right. Below this is the 'Patent Center' header with 'Home', 'Workbench', 'Search', and 'File' navigation links. A blue bar contains a notification icon, a 'Chat' button, and a 'Help' icon. The main content area is titled 'Sign In' and contains a 'Please note that:' section with a list of disclaimer points. Below this are two columns: 'Existing Users' with 'Email' and 'Password' input fields, a checkbox for terms & conditions, a 'Sign In' button, and a link for 'Having problems signing in?'; and 'New Users' with a descriptive paragraph and a 'Create USPTO Account' button. At the bottom, there is a link for 'Unregistered users: continue without signing in' and a footer with legal framework information.

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Chat

## Sign In

**Please note that:**

- You are accessing a U.S. Government information system;
- Information system usage may be monitored, recorded, and subject to audit;
- Unauthorized use of the information system is prohibited and subject to criminal and civil penalties;
- Use of the information system indicates consent to monitoring and recording.

**Existing Users**

Email

Password

I certify to the USPTO's terms & conditions

**Sign In**

Having problems signing in?

**New Users**

By creating an USPTO account you will be able to save your applications, retrieve them at a later stage and file various patent related forms online with ease.

Creating your USPTO account is now a streamlined approach with easy steps.

**Create USPTO Account**

Unregistered users: [continue without signing in](#)

Please read the [Legal Framework](#) for using Patent Center. For information on the [Paperwork Reduction Act](#) as it pertains to: ePetitions, third party submissions under 37 CFR 1.290, Web-based application data sheets, and citations of prior art and written statements under 37 CFR 1.501, please see the [OMB Clearance and PRA Burden Statement page](#).



Email questions to [PatentQuality@uspto.gov](mailto:PatentQuality@uspto.gov)



# Draft Interface: Web ADS

New Utility Application

Application data Upload documents Calculate fees Review & submit

Web ADS

Change filing method

Inventors

Application details

**Representatives**

Domestic Benefit/National Stage

Foreign priority

First inventor to file

Authorization to permit access

Applicant

Assignee

Summary

### Representative information

**i** This section is optional. You can skip this section without entering representative information.  
[Skip this section >](#)

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the Customer Number will be used for the Representative Information during processing.

Representative type \*

# of representatives 0  
maximum of 10

Click the **Add claim** button to add to the list of representatives

[Previous section](#)  
Application details

[Next section](#)  
Domestic Benefit/National Stage

- **Autofill data from previous applications**
- **Interactive navigation menu (left)**
- **Can add up to 10 registration numbers to populate associated information**
- **Preview PDF**



Email questions to [PatentQuality@uspto.gov](mailto:PatentQuality@uspto.gov)





# *Draft* Interface: Document Upload

The screenshot shows the USPTO Patent Center interface. At the top, there is a navigation bar with the USPTO logo, 'Patent Center', and links for 'Home', 'Workbench', 'Search', and 'File'. A progress bar indicates the current step is 'Upload documents', with other steps being 'Application data', 'Calculate fees', and 'Review & Submit'. Below the progress bar, the 'Upload documents' section is active, featuring a 'Select file(s)...' button. A callout box on the left lists instructions: 'Drag and drop' and 'Upload multiple docs'. To the right, a document icon is accompanied by text: 'To get started, drag and drop files here OR upload using the file bar above'.

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Patent Center

ad

Home Workbench Search File

0 Chat

## New Utility Application


Application data Upload documents Calculate fees Review & Submit

### Upload documents

Add files that you wish to accompany your patent application submission. To add more files, use the file upload interaction or drag & drop them into the area below.

Upload documents

- **Drag and drop**
- **Upload multiple docs**

 To get started,  
drag and drop files here  
**OR**  
upload using the file bar above

# Draft Interface: Document Indexing

New Utility Application











Application data   Upload documents   Calculate fees   Review & submit

### Upload documents

Add files that you wish to accompany your patent application submission. To add more files, use the file upload interaction or drag & drop them into the area below.

Upload documents

Total documents uploaded: 7 [Download all documents](#) | [Help with document description](#)

 CON-1301.0014_ads.pdf (1mb / 4 pages)	<input type="button" value="AUTO"/> Application data sheet
 CON-1301.0014_appTxt.docx (33.5mb)	
 CON-1301.0014-abstract.pdf (34mb / 2 pages)	<input type="button" value="AUTO"/> Abstract
 CON-1301.0014-claim.pdf (34mb / 8 pages)	<input type="button" value="AUTO"/> Claims
 CON-1301.0014-spec.pdf (34mb / 12 pages)	<input type="button" value="AUTO"/> Specification
 CON-1301.0014_drawings.pdf (34mb / 22 pages)	<input type="text" value="Doc. desc"/>
 CON-1301.0014-NPL.pdf (34mb / 22 pages)	Non-patent literature
 CON-1301.0014-NPL.zip (34mb)	Non-patent literature
 CON-1301.0014_NPL.pdf (34mb / 22 pages)	Non-patent literature
 CON-1301.0014-NPL.pdf (34mb / 22 pages)	Non-patent literature

- **Type-ahead functionality**
- **Intuitive on-screen doc description list**
- **Auto-index based on document headers and file names**



Email questions to [PatentQuality@uspto.gov](mailto:PatentQuality@uspto.gov)




# eMod Text Pilot Program Overview

- August 15, 2016 – ongoing
- Through EFS-Web and Private PAIR
- Accepting and processing DOCX/XML
  - Ability to accept structured text
  - Ability to deliver structured text submissions
  - Ability to deliver structured text Office actions
  - Ability to download XML
- Limited to specifications, claims, abstract for non-provisional utility applications
- Incorporate updates based on user feedback



# eMod Text Pilot Program

## Guidelines



**United States Patent and Trademark Office**

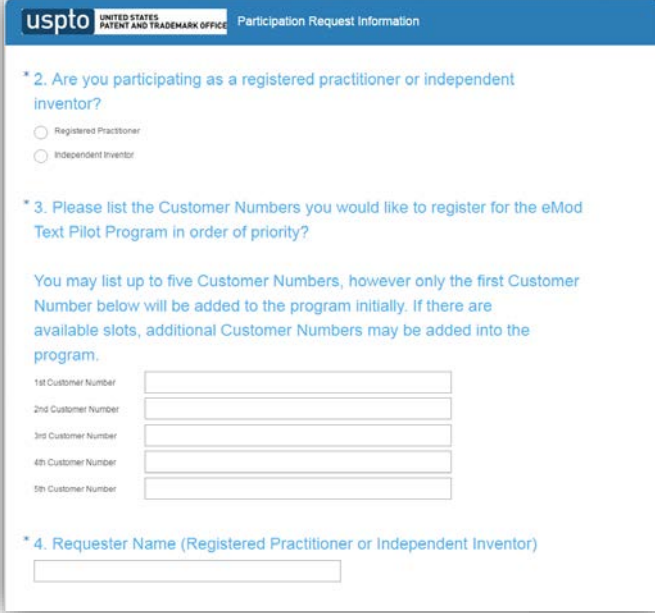
**EFS-Web and PAIR  
eMod Text Pilot Program Participant Guidelines  
Starting July 2016**

**Participant Guidelines:**

The guidelines below express the understanding between eMod (eCommerce Modernization) Text Pilot Program participants and the USPTO regarding the activities related to the testing of the new features that will be incorporated into the new patent electronic filing and management system in development, which will henceforth be referred to as Patent Center. During the eMod Text Pilot Program, the existing electronic patent application filing and viewing tools, EFS-Web and Private PAIR, will be leveraged to learn about the text usage to include into Patent Center. The goal of the eMod Text Pilot Program is to have applicants utilize new features to patent applications (specifically specification, claims and abstract for new utility applications), text, and provide feedback to the eMod program for further improvements. eMod Text Pilot participants will be able to submit and receive text view comments. Private PAIR will be green-lit in the eMod Text Pilot Program. Participants should follow the guidelines in the eMod Text Pilot Program. Participants may be contacted for further information. Participants may be contacted for further information.



## Registration



uspto UNITED STATES PATENT AND TRADEMARK OFFICE Participation Request Information

\* 2. Are you participating as a registered practitioner or independent inventor?

Registered Practitioner  
 Independent Inventor

\* 3. Please list the Customer Numbers you would like to register for the eMod Text Pilot Program in order of priority?

You may list up to five Customer Numbers, however only the first Customer Number below will be added to the program initially. If there are available slots, additional Customer Numbers may be added into the program.

1st Customer Number:   
2nd Customer Number:   
3rd Customer Number:   
4th Customer Number:   
5th Customer Number:

\* 4. Requester Name (Registered Practitioner or Independent Inventor)

Email questions to [PatentQuality@uspto.gov](mailto:PatentQuality@uspto.gov)





# eMod Text Pilot Program: Guidelines Highlights

- Submit as many .docx documents as possible
  - All submissions from your customer number while on the Pilot are not required to be in .docx format
- Review documents carefully prior to submission
- Utilize eMod-provided forms to report issues and give feedback



# eMod Text Pilot Program


## DOCX Files Selection

Attorney Docket Number	
Application Type	Utility under 35 USC 111(a)
<b><u>Attach application parts - Specification, Claims and Abstract.</u></b>	
<u>File(s) to be submitted in DOCX format</u> <input type="button" value="Add file"/> 	
<b><u>Attach additional PDF or TXT documents. Include application parts only if you didn't previously</u></b>	
<b>Files to be Submitted</b> 	
<b>Category</b> 	
1 <input type="button" value="Browse..."/> No file selected.	View All Categories 
Does your PDF file contain multiple documents?	<input type="radio"/> Yes <input checked="" type="radio"/> No

# eMod Text Pilot Program

## DOCX Files Attachment




**Attach application parts - Specification, Claims and Abstract.**

File(s) to be submitted in DOCX format  

**Selected File(s)**

<input type="button" value="Browse..."/>	<a href="#">3005_Specification_Only.docx</a>
<input type="button" value="Browse..."/>	<a href="#">3003_Claims_Only2.docx</a>
<input type="button" value="Browse..."/>	<a href="#">3004_Abstract_Only2.docx</a>

**Attach additional PDF or TXT documents. Include application parts only if you didn't previously attach them.**

Files to be Submitted 	Category 
1 <input type="button" value="Browse..."/> <a href="#">No file selected.</a>	View All Categories 
Does your PDF file contain multiple documents?	<input type="radio"/> Yes <input checked="" type="radio"/> No



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# eMod Text Pilot Program

## DOCX Validation

◆ No Error(s) ▲ Warning(s) ▼ Error(s) found



**Evidence file(s).** To add more files please [Attach Files](#)

Uploaded files have been validated by EFS Web. Please review the file below

Validation Status	File(s) to be Submitted	Document Description	Page Count	F
▲ WARNING	<a href="#">c484f781-34a4-4156-a0eb-edc511f8bb88.docx</a> (Original: 3005_Specification_Only.docx)	Specification	-	4
▲	Text decorations were found and have been removed. You can view the location of warnings/errors in <a href="#">your uploaded file here</a> .			
▲ WARNING	<a href="#">46626a46-f05d-4b8f-9a2e-a0912f6cc7f6.docx</a> (Original: 3003_Claims_Only2.docx)	Claims Document	-	1
▲	Text decorations were found and have been removed. You can view the location of warnings/errors in <a href="#">your uploaded file here</a> .			
◆ PASSED	<a href="#">3004_Abstract_Only2.docx</a> (Original: 3004_Abstract_Only2.docx)	Abstract	-	1

The PDF(s) have been generated from the docx file(s). Please review the PDF(s) for accuracy. By clicking the continue any changes made by the conversion and that it will become the final submission.

File(s) to be Submitted(pdf)	Document Description	Page
<a href="#">48546d52-5718-4d34-82da-7e39acd7c371.pdf</a>	Specification	33
<a href="#">c6f33a3a-7650-4ffe-a7ba-0390fe9ebef5.pdf</a>	Claims Document	3
<a href="#">8edb2d24-8cc1-46e2-8ab3-b2ce7f22ee13.pdf</a>	Abstract	1

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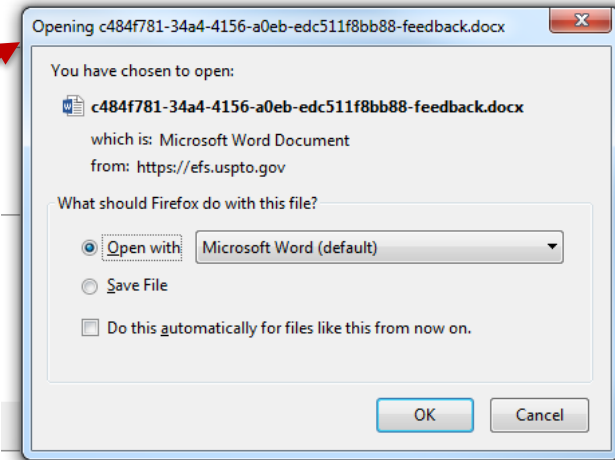
# eMod Text Pilot Program

## DOCX Validation: Location of Warnings/Errors

**Evidence file(s). To add more files please [Attach Files](#)**

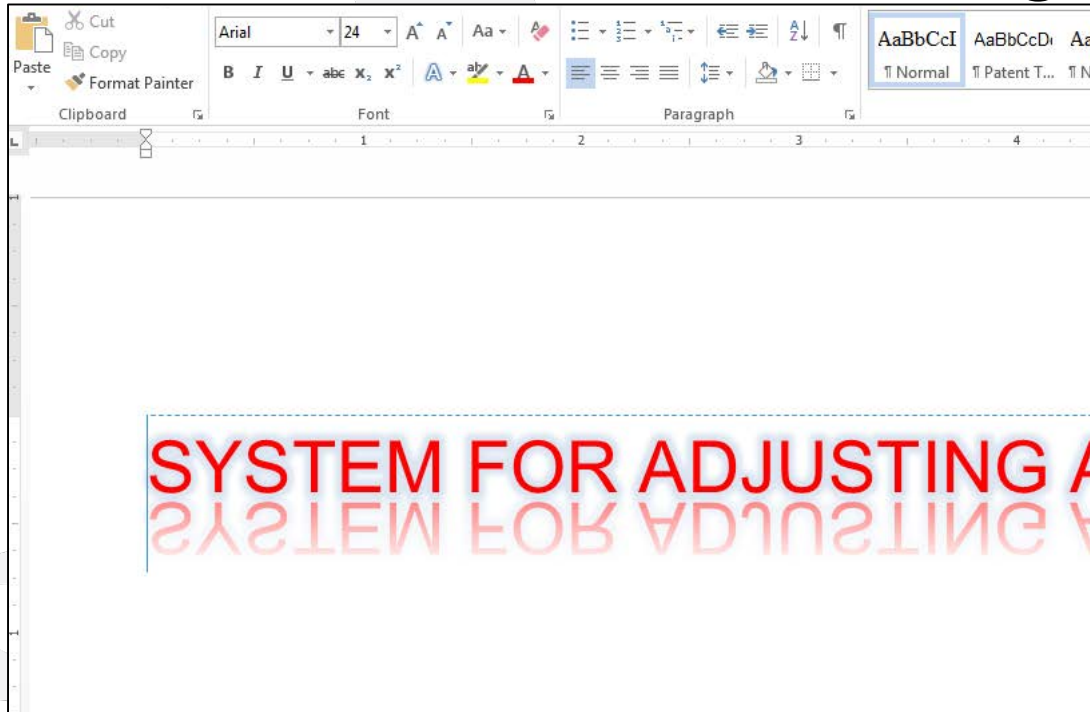
Uploaded files have been validated by EFS Web. Please review the file below

Validation Status	File(s) to be Submitted	Document Description	Page Count	F
▲ WARNING	<a href="#">c484f781-34a4-4156-a0eb-edc511f8bb88.docx</a> (Original: 3005_Specification_Only.docx)	Specification	-	4
▲	Text decorations were found and have been removed. You can view the location of warnings/errors in <a href="#">your uploaded file here.</a>			
▲ WARNING	<a href="#">46626a46-f05d-4b8f-9a2e-a0912f6cc7f6.docx</a> (Original: 3003_Claims_Only2.docx)	Claims Document	-	1
▲	Text decorations were found and have been removed. You can view the location of warnings/errors in <a href="#">your uploaded file here.</a>			
◆ PASSED	<a href="#">3004_Abstract_Only2.docx</a> (Original: 3004_Abstract_Only2.docx)	Abstract	-	1



# eMod Text Pilot Program

## Feedback Document for Warnings and Errors



**USPTO**  
**WARNING:**Text decoration  
here and will be removed.



**USPTO**  
**WARNING:**Text decoration  
removed.

# eMod Text Pilot Program Acknowledgement Receipt

## Acknowledgement Receipt

The USPTO has received your submission at **13:32:55** Eastern Time on **04-APR-2017**.

No fees have been paid for this submission. Please remember to pay any required fees on time to prevent abandonment of your application.

## eFiled Application Information

EFS ID	28826511
Application Number	59957740
Confirmation Number	1047
Title of Invention	Title of Invention
First Named Inventor	John Smith
Customer Number or Correspondence Address	59
Attorney Docket Number	
Filing Date	
Receipt Date	04-APR-2017
Application Type	Utility under 35 USC 111(a)

## Application Details

Submitted Files	Page Count	Document Description
c484f781-34a4-4156-a0eb-edc511f8bb88.docx	-	Specification
Text decorations were found and have been removed.		
48546d52-5718-4d34-82da-7e39acd7c371.pdf	33	Specification
46626a46-f05d-4b8f-9a2e-a0912f6cc7f6.docx	3	Claims
Text decorations were found and have been removed.		
c6f33a3a-7650-4ffe-a7ba-0390fe9ebef5.pdf	3	Claims
3004_Abstract_Only2.docx	-	Abstract
8edb2d24-8cc1-46e2-8ab3-b2ce7f22ee13.pdf	1	Abstract

The acknowledgement receipt may be printed or saved to the applicant's computer. Further, a copy of the acknowledgement receipt will be emailed to the applicant.



# For More Information:

## eMod Text Pilot Program

- eMod Website for Participant Program: <https://www.uspto.gov/patent/emod-participant-programs>
  - eMod Text Pilot Program Guidelines
  - QSG for eMod Text Pilot Program: EFS-Web
  - QSG for eMod Text Pilot Program: PAIR
- eMod Mailbox: [eMod@uspto.gov](mailto:eMod@uspto.gov)



# eMod Planned Schedule



**2016 – Ongoing  
eMod Text Pilot  
Program**

- System: Legacy (EFS-Web & PAIR)
- Participants: Pilot via Registration

**August 2017  
Offer Text Features to  
the Public**

- System: Legacy
- Participants: All EFS-Web Registered Filers
- USPTO accepts DOCX (for initial submissions)
- USPTO provides DOCX (including Office actions)
- USPTO provides XML

**September 2017  
eMod Patent Center  
Alpha Release**

- System: Next Gen
- Participants: External (active in the eMod Text Pilot)
- Limited live filings: Four types of new applications (utility non-provisional, provisional, national stage – 371, design), and their corresponding follow-on submissions
- Limited functionality for viewing/managing applications
- Legacy tools still needed for other functionalities

**2018  
eMod Patent Center  
Beta Release**

- System: Next Gen
- Participants: External (via open registration)
- Focus on patent applicants
- Unified user interface
- Key functionalities from EFS-Web and PAIR
- Updates based on eMod Text Pilot Program

Email questions to [PatentQuality@uspto.gov](mailto:PatentQuality@uspto.gov)



# Future Plans

- Release Patent Center
  - Make Patent Center available to the public for filing/managing patent applications
  - Incorporate enhancements based on feedback from testing programs
  - Transfer functionality from EFS-Web and PAIR
- Retire EFS-Web/PAIR
  - Share retirement plans for legacy tools after Patent Center is available
  - Provide transition period after Patent Center release
- Inform users
  - Outreach events
  - Patents Alerts
  - EFS-Web/PAIR



# eMod Ongoing Efforts

1. Work with stakeholders to assure that we understand business needs
2. Conduct outreach to inform stakeholders and gather user feedback
3. Continue to make improvements based on user feedback



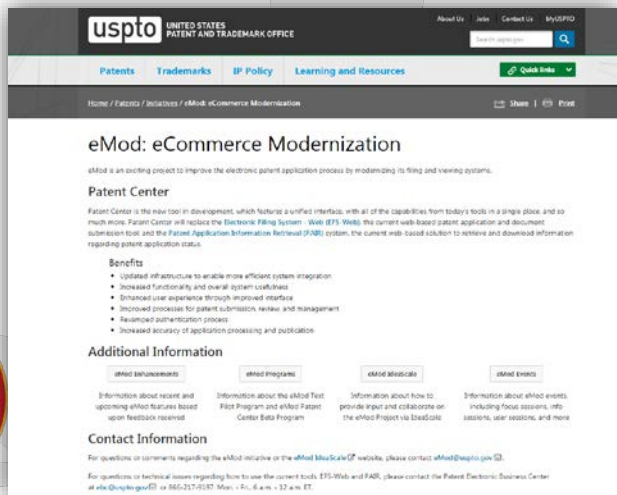
# eMod Public Involvement

## Get Updates:

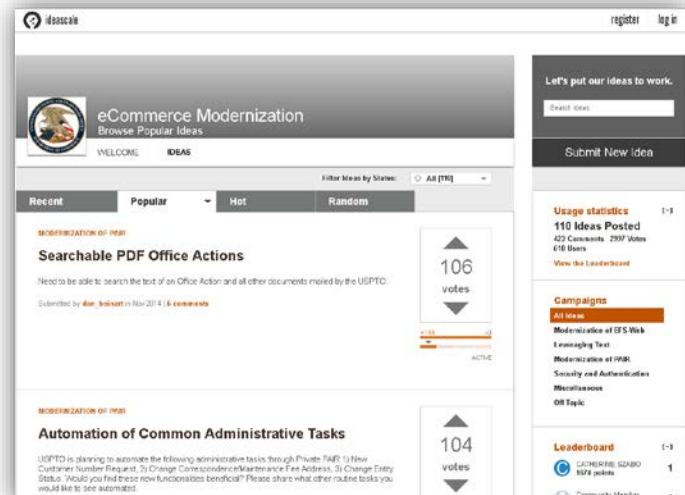
- Information Sessions
- Website  
(<http://www.uspto.gov/patent/emod>)

## Provide Feedback:

- Focus Sessions
- User Sessions
- IdeaScale (<http://uspto-emod.ideascale.com>)



The screenshot shows the USPTO eMod website. The header includes the USPTO logo and navigation links for Patents, Trademarks, IP Policy, and Learning and Resources. The main content area is titled "eMod: eCommerce Modernization" and describes the project's goal to improve the electronic patent application process. It features a "Patent Center" section with a list of benefits, including updated infrastructure, increased functionality, enhanced user experience, improved processes, and increased accuracy. There are also sections for "Additional Information" and "Contact Information".



The screenshot shows the IdeaScale website for "eCommerce Modernization". It displays a list of ideas with a "Searchable PDF Office Actions" idea highlighted, showing 106 votes. The page also includes a "Submit New Idea" button, usage statistics (110 Ideas Posted, 423 Comments, 2997 Votes, 616 Users), and a leaderboard for campaigns.



Email questions to [PatentQuality@uspto.gov](mailto:PatentQuality@uspto.gov)



# Let's Chat about eCommerce Modernization (eMod) Update

**Lisa Tran**

Communications Manager for eCommerce

**Richard Fernandez**

eMod Project Manager

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Email questions to [PatentQuality@uspto.gov](mailto:PatentQuality@uspto.gov)



# Next Patent Quality Chat

## Patent Quality Metrics

June 13, 2017

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# Thank you for joining us today!

Patent Quality Chat  
Webinar Series 2017  
May 9, 2017

UNITED STATES  
PATENT AND TRADEMARK OFFICE







**DO NOT ENTER – EVENT IN PROGRESS**  
**Patent Quality Chat webinar**

Noon – 1pm

May 9, 2017

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