

Regulatory Document Search System

Complete User Guide

What is This System?

The Regulatory Document Search System is an AI-powered tool that helps you:

- Upload regulatory documents (FDA, OSHA, EPA, etc.)
- Search documents using natural language questions
- Get instant AI summaries of relevant regulations
- Find specific requirements quickly and accurately
- Access information from any device with internet

Perfect for: Compliance teams, regulatory professionals, legal departments, and anyone who needs to quickly find regulatory information.

Getting Started

Step 1: Access the System



1. Open your web browser (Chrome, Edge, Firefox, Safari)
2. Go to: (or your specific URL)
3. Wait for the page to load (may take 30 seconds on first visit)



Step 2: Log In

1. You'll see a login screen with a password field
2. Enter password:
3. Click "Login"
4. You'll see the home page with system overview

Step 3: Understand the Interface




Left Sidebar Navigation:

-  Home - System overview and quick search
-  Upload Documents - Add new regulatory files

-  **Search Documents** - Find and analyze information
 -  **System Status** - Monitor system performance
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How to Upload Documents

Supported File Types:

-  **PDF files (.pdf)** - Most common regulatory documents
-  **Word documents (.docx)** - Modern Word format only
-  **Text files (.txt)** - Plain text documents

Step-by-Step Upload Process:


1. Navigate to Upload Page

- Click "Upload Documents" in the left sidebar
- You'll see the upload interface

2. Select Your Files

- Click "Choose regulatory documents"
- Select one or more files from your computer
- File size limit: 200MB per file
- You can select multiple files at once

3. Review Selected Files

- Check the file list - you'll see file names and sizes
- Remove any incorrect files if needed
- When ready, click "  **Process Documents**"

4. Wait for Processing

- Processing takes 30-60 seconds per document
- You'll see progress updates for each file
- AI analysis extracts:
 - Document type (regulation, guidance, notice)
 - Regulatory agency (FDA, OSHA, EPA, etc.)
 - Key requirements and topics

- Summary and keywords

5. Review Results

- **Green checkmarks** = successful processing
- **Red X marks** = processing failed
- **Each processed document shows:**
 - Regulator and document type
 - Number of text chunks created
 - Key subjects and requirements
 - Brief summary

Upload Tips:

- Use **official regulatory documents** for best results
 - Ensure **PDFs contain searchable text** (not scanned images)
 - **Descriptive filenames help** with organization
 - Upload documents **regularly** to keep knowledge base current
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How to Search Documents

Basic Search Process:

1. Go to Search Page

- Click **"Search Documents"** in left sidebar
- Enter your **question** in the search box

2. Enter Natural Language Queries

Examples of effective searches:

- *"What are FDA requirements for software validation?"*
- *"OSHA bloodborne pathogen training requirements"*
- *"How often must equipment be calibrated?"*
- *"What documentation is needed for device registration?"*

3. Use Advanced Filters (Optional)

Click "  **Advanced Filters**" to narrow results:

- **Regulator:** Filter by specific agency (FDA, OSHA, EPA)
- **Document Type:** Filter by document category
- **Date Range:** Search documents from specific time periods
- **Max Results:** Control how many results to show

4. Click "  **Search**"

- System searches all uploaded documents
- Processing takes 2-5 seconds
- Results appear below the search box

Understanding Search Results:

AI Analysis Section

- Appears first after your search
- Comprehensive answer to your question
- Key regulatory requirements that apply
- Most relevant documents identified
- Compliance considerations highlighted

Search Results Section

- Lists relevant documents with relevance percentages
- Click any document to expand details:
 - Document metadata (regulator, type, upload date)
 - Key requirements extracted by AI
 - Subject areas covered
 - Most relevant excerpts from the document

Relevance Scores:

- 90-100% = Highly relevant, directly answers your question
- 70-89% = Very relevant, contains related information
- 50-69% = Moderately relevant, may have useful context
- Below 50% = May not be directly relevant

Search Tips & Best Practices

Writing Effective Queries:

Do This:

- **Be specific:** "FDA 510(k) submission requirements" vs. "FDA requirements"
- **Use complete questions:** "How often must safety training occur?" vs. "safety training"
- **Include context:** "OSHA requirements for laboratory chemical storage"
- **Use regulatory language:** "validation," "compliance," "documentation"

Avoid This:

- **Single keywords:** "safety" (too broad)
- **Abbreviations without context:** "CFR" (specify which CFR section)
- **Vague questions:** "What do I need to do?"

Getting Better Results:

Start Broad, Then Narrow:

1. **First search:** "FDA medical device requirements"
2. **Follow-up search:** "FDA Class II device premarket notification"
3. **Specific search:** "FDA 510(k) predicate device comparison"

Use Different Phrasings:

- If "validation requirements" doesn't work, try:
 - "verification and validation"
 - "V&V procedures"
 - "testing requirements"

Search by Scenario:

- *"What happens if we fail an inspection?"*
- *"How do we prepare for FDA audit?"*
- *"What records must be maintained for quality system?"*

Leveraging AI Analysis:

- Read the AI summary first - often answers your question completely
 - Use AI-suggested documents for deeper research
 - Follow up on referenced requirements with specific searches
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Using System Status

Monitor System Health:

- Click "System Status" to see:
 - Total documents uploaded
 - System performance metrics
 - Available regulators and document types
 - Recent upload activity

Troubleshooting:

- If searches return no results: Check that documents are uploaded
 - If upload fails: Verify file format and size
 - If system is slow: Check the status page for performance issues
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Troubleshooting Guide

Login Issues:

Problem: Can't access the system **Solutions:**

- Verify URL is correct
- Try different browser or incognito mode
- Contact administrator for password
- Clear browser cache and cookies

Upload Issues:

Problem: Document won't upload or process **Solutions:**

- Check file format - must be PDF, DOCX, or TXT

- **Verify file size** - must be under 200MB
- **Ensure PDF has searchable text** - not scanned images
- **Try smaller batches** - upload fewer files at once
- **Check internet connection** - large files need stable connection

Search Issues:

Problem: No search results found **Solutions:**

- **Try broader search terms** - "requirements" instead of "21 CFR 820.30"
- **Check uploaded documents** - make sure relevant docs are in system
- **Use different phrasing** - "validation" vs. "verification"
- **Remove filters** - clear advanced filters and try again

Problem: Search results not relevant **Solutions:**

- **Be more specific** in your query
- **Include regulator name** - "FDA," "OSHA," "EPA"
- **Use complete questions** instead of keywords
- **Try related terms** if initial search doesn't work

General Issues:

Problem: System is slow or unresponsive **Solutions:**

- **Wait for processing** - AI analysis takes time
- **Refresh the page** - sometimes resolves temporary issues
- **Try different browser** - Chrome, Firefox, or Edge
- **Check internet connection** - system requires stable internet

Advanced Features

Document Management:

- **Organize by regulator** - use search filters to find specific agency documents
- **Track document dates** - use date filters for recent regulations
- **Monitor updates** - regularly check System Status for new uploads

Team Collaboration:

- **Share search results** - copy and paste AI summaries into reports
- **Save effective queries** - keep a list of searches that work well
- **Document findings** - use search results to build compliance documentation

Compliance Workflows:

1. **Upload new regulations** as they're published
 2. **Search for requirements** relevant to your products/processes
 3. **Generate compliance reports** using AI summaries
 4. **Track regulatory changes** over time
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Mobile & Device Access

Using on Mobile:

- **Full functionality** available on phones and tablets
- **Upload documents** from mobile device storage
- **Search and review results** on any screen size
- **Same login and password** as desktop

Browser Recommendations:

- **Desktop:** Chrome, Firefox, Edge, Safari
 - **Mobile:** Chrome, Safari, Firefox mobile
 - **Internet required** - system doesn't work offline
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Security & Privacy

Data Protection:

- **Password protected** - only authorized users can access
- **Secure transmission** - all data encrypted in transit (HTTPS)
- **Document privacy** - your uploaded documents are not shared
- **API security** - AI processing uses encrypted connections

Best Practices:

- **Don't share login password** with unauthorized users

- Log out when finished on shared computers
 - Use secure networks - avoid public WiFi for sensitive documents
 - Keep documents current - remove outdated regulations
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Getting Help

Common Questions:

Q: Can I delete uploaded documents? A: Contact your system administrator - deletion requires backend access

Q: How long are documents stored? A: Documents remain until manually removed by administrator

Q: Can I download search results? A: Copy and paste AI summaries and document excerpts as needed

Q: How accurate are the AI summaries? A: Very accurate for factual regulatory content, but always verify with source documents

Q: Can I upload confidential documents? A: Yes, documents are private to your team, but check your organization's data policies

Contact Information:




- **Technical Issues:** Contact your system administrator
 - **Training Questions:** Reference this guide or request additional training
 - **Feature Requests:** Submit through your organization's IT process
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Quick Reference

Essential URLs:

- **System Access:** <https://hwpc-reg.streamlit.app>
- **Password:** [regulatory2024](#)

File Formats:

-  PDF (.pdf)
-  Word (.docx)
-  Text (.txt)

Quick Actions:

- **Upload:** Documents → Choose files → Process
- **Search:** Enter question → Click Search → Review AI summary
- **Filter:** Use Advanced Filters for specific regulators or dates

Best Search Examples:

- *"What are the FDA requirements for [your specific need]?"*
 - *"OSHA standards for [your workplace situation]"*
 - *"How do I comply with [specific regulation]?"*
 - *"What documentation is required for [your process]?"*
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 **You're ready to use the Regulatory Document Search System effectively!**

Remember: The AI is your assistant for finding regulatory information quickly, but always verify important requirements with the original source documents.