AI for Regulatory Streamlining

The GSA Technology Transformation Service (TTS) Centers of Excellence (CoE) seek to accelerate adoption of artificial intelligence (AI) to discover insights at machine speed. GSA FEDSIM, in partnership with the TTS CoEs and their federal customers, is seeking commercial technology solutions in AI aimed at supporting regulatory streamlining efforts.

The government seeks a self-service SaaS tool that includes the ... features [documented as goals and objectives in this StratML rendition]. The tool may include additional features beyond what is listed. Solutions are encouraged if the majority of the ... product features are supported ...

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Stakeholder(s):
GSA FEDSIM: In partnership with the TTS CoEs and their federal customers
Centers for Medicare and Medicaid: The sponsoring customer, Department of Health and Human Services, Centers for Medicare and Medicaid (CMS) seeks a Software-as-a-Service (SaaS) based solution with integration support to be used and deployed by regulatory agency staff in order to modernize workflows in accordance with several regulatory streamlining Executive Orders (EOs).

Vision
Insights are discovered at machine speed

Mission
To support regulatory streamlining

Values

Competition: This pilot program offers a range of advantages to open up the field of competition so that the Government and taxpayers benefit from a large pool of solutions at a better cost and performance, including:

Cost Effectiveness: * Streamlined solicitation requiring only minimal corporate and technical information; * Fast track vendor selection timelines; * Simplified contract administration procedures and requirements; and * Preference for the vendor retaining core intellectual property.
1. Workflow

Include a regulatory workflow component

Regulatory workflow component - including:

1.a. Guidance & Editing
   Support collaborative guidance and regulation editing

1.b. Document History
   Provide document history

1.c. Change Tracking
   Track changes in regulations

1.d. Attribution
   Attribute changes to users

1.e. Comments
   Incorporate of reviewer comments

1.f. Comparison
   Enable comparison of regulations

1.g. Undo & Redo
   Support undo, redo of edits
2. Corpus

*Include a tagged corpus*

An existent, already ingested and tagged corpus that includes at least:

2.a. CFR
*Ingest and tag the Code of Federal Regulations (CFR)*

2.b. Executive Orders
*Ingest and tag Presidential Executive Orders*

2.c. USC
*Ingest and tag United States Code*

2.d. International Regulations
*Ingest and tag select international regulatory code*

2.e. Circular A-11
*Ingest and tag OMB A-11*
3. Agency Guidance

*Automate the collection and ingestion of sub regulatory guidance from across the agencies*

Automation of the collection and ingestion of sub regulatory guidance from across the agency(ies) of files in the formats most commonly used in agencies such as: Microsoft word, pdf, csv, HTML and other common formats. The tool should be easily configurable or modifiable to allow for ingestion of arbitrary formats.

3.a. Common Formats

*Automate the collection and ingestion of the most commonly used formats*

3.b. Arbitrary Formats

*Make the tool easily configurable or modifiable to allow for ingestion of arbitrary formats*
4. eDiscovery

*Include features commonly found in legal eDiscovery software*

Features commonly found in legal eDiscovery software - such as:

**4.a. References**
*Support document reference tracking*

**4.b. Keywords**
*Support keyword searching*

**4.c. Identification**
*Support identification*

**4.d. Collection**
*Support collection*

**4.e. Indexing**
*Support indexing*

**4.f. Tagging & Markup**
*Support document tagging and markup*
5. Document Management

Include document management features

Document management features including:

5.a. Export

Support document export as PDF or Word document
6. AI

*Include AI features*

6.a. Prediction

*Support prediction*

Prediction - including:

6.a.i. Burden

Support regulatory burden prediction (e.g. “high”, “medium”, “low”)

6.a.ii. Outdated Regulations

Support outdated regulation flagging

6.a.iii. Quality

Support regulation quality scoring and rubric

6.a.iv. Cost

Support regulatory implementation cost estimation/comparison

* Should factor in previous Office of Information and Regulatory Affairs (OIRA) impact determinations
  
  • Substantial vs critical regulation determination
  
  • Recommendation engine for rule changes

6.b. NLP

Support Natural Language Processing

Natural Language Processing - including:

6.b.i. Similar Documents

Identify similar documents

6.b.ii. Key Terms

Identify key terms
6.b.iii. Term Frequency
   Determine term frequency

6.c. Clustering & Grouping
   Support clustering and grouping
   Clustering and Grouping - including:

6.c.i. Text
   Support text-based clustering

6.c.ii. Topics
   Support topic discovery

6.c.iii. Mislabeling
   Support correction of mislabeled items

6.c.iv. Tagging
   Support manual and automated tagging
7. Streamlining

Support streamlining federal code and guidance

Features specific to the streamlining federal code and guidance - such as:

7.a. Keywords

Support built-in ‘low hanging fruit search’ suggested keyword searches
for example those that reference obsolete technology like ‘telegram’

7.b. Citations

Support citation tracking and visualization

7.c. Paper

Flag paper-based processes

7.d. Discrepancies

Identify discrepancies across regulations and guidance
8. Infrastructure & Security

8.a. Cloud

*Build on the cloud-based infrastructure stack*
9. Interface

9.a. Web

*Provide a responsive web based interface*

9.b. Accessibility

*Comply with section 508*

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**Administrative Information**

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