

# 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.

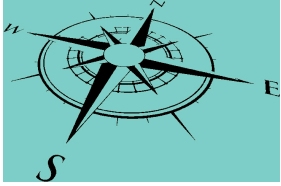
The government seeks a self-service SaaS tool that includes the ... features [documented as goals and objectives in this StratML rendition]. The tool may include additional features beyond what is listed. Solutions are encouraged if the majority of the ... product features are supported ...

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## Technology Transformation Service (TTS)

### 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).*

#### **Government Contractors :**

*GSA has developed this pilot program to be implemented outside the normal Federal Acquisition Regulations (FAR) requirements to engage traditional and non-traditional Government contractors, including start-up companies. This pilot program is intended to promote competition in accordance with the Competition in Contracting Act (CICA) with a streamlined approach to address specific needs for innovative commercial items.*

#### **Start-Up Companies**

### 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*

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### 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*

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## 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*

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## 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*

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## 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*

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## 8. Infrastructure & Security

### 8.a. Cloud

*Build on the cloud-based infrastructure stack*

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## 9. Interface

### 9.a. Web

*Provide a responsive web based interface*

### 9.b. Accessibility

*Comply with section 508*

### Administrative Information

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