



FOIAExpress[®]

FOIA Technology Showcase

Day 1, Section 4: Artificial Intelligence Tools

Request for Information (RFI) Response

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Submitted By:

AINS, Inc.
806 W. Diamond Avenue
Gaithersburg, MD 20878
POC: Pam Ackley
Phone: (240) 364-7250
Fax: (301) 670-2841
Email: packley@ains.com

CAGE Code: 06DJ8
DUNS: 361150469
Website: www.ains.com

Submitted To:

National Archives and Records Administration
Office of Information Services
8601 Adelphi Road, Room 3340
College Park, MD 20740
POC: Ty Senour
Email: tyler.senour@nara.gov



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1 Outline for Day 1, Section 4 (Artificial Intelligence Tools)

1.1 FOIAXpress AI Assistant

- Automatic Named Entity Recognition for Highlight and Redact documents
 - Natural Language Processing, which is a subset of AI
 - Machine Learning and trained classifiers
 - People, Location, organization, money, date, time and percent
 - highlight or redact automatically
- AI Redaction Templates to configure a collection of advanced search-based redaction operations that may be configured to use core and artificial intelligence assisted search criteria. Out of the box, following types of redaction criteria are provided in AI Redaction Templates:
 - PII Information
 - Organization Information
 - Location Information
 - Date/Time Information
 - Money/Currency and Percentage Information
 - Custom Patterns and Automated Pattern Reactions
 - Supports SSN/ phone/ email/ credit card #/ passport #
 - User-defined custom patterns such as state ID's, patient ID, tracking or docket #
 - KB history-based redaction criteria
- Records Processing Full digitization of the documents
 - OCR - Optical Character Recognition
 - ICR - Intelligent Character Recognition - Ability to recognize handwriting and improve data review
- History-Based Intelligent Redaction Suggestions
 - Automatic suggestions
 - Knowledgebase of redactions history
 - Track corrections from user review
- User's choice to whether to redact or highlight data by redaction type (ex: redact all names of people and SSNs but highlight all the organization names) in AI Redaction Templates
- Find and Un-Redact functionality
- Mark single or multiple occurrences of redaction items for deletion from current layer
- AI Knowledgebase Trainer Role to manage the Knowledgebase criteria items
- Automatically apply AI Redaction Templates when adding new documents directly to Request case review log or when importing from EDR to Review Log
- AI Redaction Summary Screen (AI Assistant) to directly navigate to redaction items by type such as entity, SSN/Email/Phone number/Pattern etc.
- Option to configure Redaction Criteria Stop List so that unwanted KB history redaction criteria items can be excluded from future redaction process
- Redaction Criteria Custom Pattern Builder to add custom patterns such as A#, Passport Number, VIN, Claim numbers etc.

1.2 FOIAXpress EDR: Technology-Assisted Review (TAR)

- FOIAXpress EDR (Electronic Document Review) uses a supervised machine learning process that is referred to as technology-assisted review (TAR) to provide predictive coding and auto-tagging.
- EDR uses TAR 3.0 workflow.
- EDR provides a full range of technology-assisted review (TAR) capabilities to make document review faster, more consistent, and less expensive while finding important documents earlier and completing the review faster. It is a powerful tool that is also easy to use. Capabilities include but are not limited to:
 - real-time predictive coding
 - conceptual clustering
 - near-duplicate detection, and
 - content-based email threading.
- Technology Assisted Review (TAR) functionality of FOIAXpress EDR makes the document review even faster, more consistent by finding important documents earlier and completing the review faster.
- EDR TAR modules learns to tag or categorize documents by analyzing training documents categorized by a human reviewer.
 - Once testing establishes that the algorithm is doing a good job of separating relevant documents from those that aren't relevant, human review can be focused on just the documents that are predicted to be relevant, drastically reducing the time and expense of human review.
 - TAR provides the predictive coding feature that learns to tag/categorize documents by analyzing the training documents that have been categorized by a human reviewer.