

Question 1. AI Use Case Identifying Information	1A. AI use case name	Drug Signature Program Algorithms	Complaint Lead Value Probability	Intelligent Records Consolidation Tool	Privileged Material Identification
	1B. Agency with AI use case	Department of Justice	Department of Justice	Department of Justice	Department of Justice
	Note Field: List other Agencies if use case was co-developed	N/A	N/A	N/A	N/A
	1C. Office with AI Use Case	Drug Enforcement Administration	Federal Bureau of Investigation	Justice Management Division	Tax Division
Question 2. Contact Information for Listed AI Use Case (Note: List the point of contact (POC) that will be made available for inter-agency and public inquiries)	2A. Last Name, First Name	Bourque, Monique	Bourque, Monique	Bourque, Monique	Bourque, Monique
	2B. Email Address	monique.bourque@usdoj.gov	monique.bourque@usdoj.gov	monique.bourque@usdoj.gov	monique.bourque@usdoj.gov
	2C. Additional point of contact name and email address				
Question 3. Summary	Provide a short summary (200 words max) of what the AI does. Include a high-level description of system inputs and outputs.	DEA's Special Testing and Research Laboratory utilizes AI/ML techniques and has developed a robust statistical methodology including multi-variate statistical analysis tools to automatically classify the geographical region of origin of samples selected for DEA's Heroin and Cocaine signature programs. The system provides for detection of anomalies and low confidence results.	Threat Intake Processing System (TIPS) database uses artificial intelligence (AI) algorithms to accurately identify, prioritize, and process actionable tips in a timely manner. The AI used in this case helps to triage immediate threats in order to help FBI field offices and law enforcement respond to the most serious threats first. Based on the algorithm score, highest priority tips are first in the queue for human review.	The Office of Records Management Policy uses an AI and Natural Language Processing (NLP) tool to assess the similarity of records schedules across all Department records schedules. The tool provides clusters of similar items to significantly reduce the time that the Records Manager spends manually reviewing schedules for possible consolidation. An AI powered dashboard provides recommendations for schedule consolidation and review, while also providing the Records Manager with the ability to review by cluster or by individual record. The solution's technical approach has applicability with other domains that require text similarity analysis.	The application scans documents and looks for attorney/client privileged information. It does this based on keyword input by the system operator.
Question 4. Lifecycle Stage	4A. What stage of production is the AI in?	In production: more than 1 year	In production: more than 1 year	In production: more than 1 year	In production: less than 6 months
	4B. Additional comments related to lifecycle stage.	DEA Special Testing and Research Laboratory update AI/ML approach as needed - trends, new authentications, new drug signatures	None	Savan Group's technical solution has been applied in multiple information management domains for the last three years.	The system is being tested on production case data in a very limited pilot.
Question 5. (Optional) AI Techniques	What specific AI techniques were used?	Machine learning using authentic drug samples/data and validation rules.	n/a	1. Topic Modeling 2. Word Embedding 3. Optimal Transport 4. Clustering	
Question 6. (Optional) Data Approach	6A. Did/does the agency train this AI use case?	Yes	Yes	No	No
	6B. If yes - Where did/does the training data originate?	Agency Generated	Agency Generated		
	6C. Is the training data, the validation data, and/or test data included in the enterprise data inventory?	No	Yes	No	No
	6D. If data is publicly available, provide link.	data not available publicly but 1-2 unclassified summary reports for each program are released publicly each year		The solution makes use of glove-wiki-gigaword-50 pre-trained model, which is publicly available.	
Question 7. (Optional) Technical Solution	7A. Does the agency have access to the code associate with this AI use case?	yes, only Special Testing Lab at DEA		No	No
	7B. If yes, is the code included in the agency source code inventory (e.g. Code.gov)?	No			
	7C. If the source code is publicly available, provide the link.			The LDA portion of the code and glove-wiki-gigaword-50 pre-trained model is publicly available. LDA: https://scikit-learn.org/0.16/modules/generated/sklearn lda.LDA.html Pre-trained Model: https://radimrehurek.com/gensim/auto_examples/howtos/run_downloader_api.html	
	7D. Is the agency able to conduct ongoing testing on the code?	Yes	Yes	No	No
	7E. Is the agency able to monitor and/or audit performance?	Yes	Yes	No	Yes
Question 8. (Optional) Information System	Provide the name of the Information System (e.g. FISMA system name) associated with the AI use case.			The Justice Records Control Schedule (JRCS) contains the source data that was used by solution.	TAX Office Automation System (OAS)
Question 9. Use Case Releasability	9A. Should this use case be withheld from the public inventory? If yes, the use case will only be shared in the internal government inventory.	No	No	No	No
	9B. If the answer to 9A is yes, provide an explanation (this explanation will be included in the internal government inventory).	Not Applicable	Not Applicable	Not Applicable	Not Applicable