MODUS OPERANDI
Smarter Decisions. Delivered.℠

DocSim by Modus Operandi helps SBIR Offices detect potential Fraud, Waste or Abuse from SBIR contractual conflicts

Fraud, Waste or Abuse (FWA) is a potential problem that can drain significant resources and ultimately rob American taxpayers. Preventing FWA is public law, and efforts must be reported to Congress semi-annually. An active FWA program is not only essential for efficient and effective operations, it is also a professional responsibility and a moral imperative for every Government employee. The benefits of an active FWA program are two-fold: it saves valuable resources by identifying illegal, inefficient, and wasteful practices; it also makes funds available for other, better uses.

DocSim by Modus Operandi helps agencies detect potential FWA issues in contracting by detecting potential conflicts in Small Business Innovation Research (SBIR) contracts, where a small business submits the same or similar work to multiple agencies, which currently would not have a time-efficient method to detect such conflict. The SBIR program supports scientific excellence and technological innovation through highly-competitive awards that encourage domestic small businesses to explore their technological potential and profit from its commercialization. DocSim provides two key values for SBIR offices: 1) an intuitive, fast method to detect potential duplicate-SBIR submissions and 2) an effective system for documenting FWA audit process in semi-annual Congressional reporting.

DocSim can be extended beyond the SBIR program to discover contract similarities across other programs and types of contracts.

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DocSim by Modus Operandi

SBIR technology enabling SBIR offices to analyze potential FWA contractual conflicts

DocSim is a cloud service hosted in Amazon Web Services (AWS). A user uploads a set of submission documents, and DocSim returns similar documents based on both text and semantic similarity (same meaning with different wording). This enables a user to quickly identify the key conflict issues and perform additional analysis to determine if submission is the same or too similar to existing contracts. The user can also see contract details by selecting an information icon for each match. If selecting the match itself, the user is provided a comparison of the text and semantic similarity of the two documents and can do advanced analysis.

DocSim is a SBIR success story, with the technology first being developed on a SBIR program for Department of Defense (DoD) needs. After successful completion of that project, which compared existing knowledge with new documents, we altered the technology to support SBIR submissions and prior SBIR awards for the purpose of detecting potential contracting conflicts.

DocSim is available as a monthly, annual, or multi-year subscription to the AWS cloud service. The service is maintained such that the latest SBIRs are loaded into the system as they become available.

Using DocSim to compare a new submission to existing SBIRs

> How similar is the document of interest to the previous SBIR submissions; highest similarity score is 57%, which suggests a unique submission with little conflict

> Contractor awarded on previous SBIR awards that are similar

> Show award details