NATIONAL CENTER FOR
FOOD PROTECTION AND DEFENSE
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Risk Factor Study Online Portal

Date: 13 July 2012
Estimated Cost: $ 56,304
Period of Performance: 9/17/2012 – 9/16/2013

Project Summary:
Develop a web-based technology solution to collect, store, and analyze data for the Retail Risk Factor Study. The solution will be permission based and enable FDA to reach out to additional state and local stakeholders to integrate and share data. At the request of FDA, NCFPD will use the PETNet portal as the example for initial discussion with pre-identified stakeholders to gather requirements.

The web-based solution will allow FDA through the Retail Risk Factor Study to efficiently use metrics to measure the retail segment of the food protection system. During requirements generation NCFPD will consider the current gaps FDA has identified in execution of the Retail Risk Factor Study: Decentralized data storage, Microsoft Access database technology, Location of FDA Retail Specialists determines where the survey is conducted, and FDA staffing resources directly correlate to amount of data collected. We anticipate that the following outcomes will be achieved upon deployment and use of this new solution:

- Sustainable database less dependent on staff time and resources
- Ability to use new types of technology to collect data
- Timelier and more accurate reporting mechanisms
- Nationwide, real-time, data availability
- Availability of risk factor reports to State and local jurisdictions
- Contribution of survey data by State and local jurisdictions
- No limits to the number of participating jurisdictions
- Survey data being collected from a more expansive geographic area
- Larger number of surveys being compiled each year

Proposed Tasks and Deliverables:

Task 1: Convene a small group of stakeholders to determine the requirements for web-based technology solution. FDA has provided names to support this stakeholder group. Additional names will be added at the request of FDA.

- Scott Krause – ORA, Southwest Regional Retail Food Specialist
- Mary Leong – ORA, Northeast Regional Retail Food Specialist
- John Marcello – ORA, Pacific Region Retail Food Specialist
- Marc Boyer – CFSAN, Biostatistical Branch
- Elizabeth O'Malley – ORA, Northeast Region Cooperative Program Director

FDA has provided some initial requirements to be considered during the stakeholder working group session.

- Ability to manage the Solution management in the FDA Retail Cooperative Program .
- Ability to add new FDA and State/Local Users
- Defined roles and permissions for the groups of users (read only, update)
- Create a user interface and backend database to record and store the Risk Factor Study. The interface should allow the manual entering of data as well as the ability to upload a fillable pdf.
- Create a reporting section that supports both ad-hoc and pre-made reports. The reports should allow for printing as well as export to excel. The reports will based on a variety of metrics and will be more complex than the summary reports completed for PetNet.

Task 2: Utilizing the requirements list generated by stakeholders, develop a plan for development, testing, and deployment of interactive accreditation tool.

Task 3: Development of web-based technology solution and beta-testing with pre-identified stakeholder group. This effort includes obtaining a unique domain name for entry to the portal.

Task 4: Provide education and training materials to educate users and administrators on system operations. This will include but is not limited to development of a user manual and recorded training sessions available via the web.