DHS SRT Follow-on Proposal: Exploring the Relative Risk Severity of Phishing Techniques on Individual Phishing Susceptibility: A Mixed Approach

Data Management Plan

1. Roles and responsibilities: Data will be co-managed by the project PI (Dr. Dan J. Kim) due to the convergent, integrated, interdisciplinary, and collaborative nature of the project.

The data will be housed within the Ryan College of Business, UNT where Dr Dan J. Kim is located. Data will be managed in accordance with the data management procedures and file specifications.

2. Types of data and storage: In the context of this research project, data refers to rules, algorithms, and code developed in the quantitative and qualitative data records; assessments taken of participants; and results. To the extent possible, data will be shared in open structures such as text, comma-separated values, and XML, as well as readily exportable file formats including Word and Excel. Codebooks and metadata will be generated as necessary according to the type of data.

All identified study data will remain in locked files and on site. Anonymous and de-identified data in statistical datasets will be provided to the project team for analysis. Incremental full cross-checks of statistical datasets will be completed at six-month intervals during the data acquisition. Descriptive statistical analyses will be utilized for accuracy assessment of variables, detecting out of range, implausible values, and outliers.

Any data collected over the internet from the participants will be stored using the best available encryption systems. Data that do not contain personal identifying information (PII) will be stored on a shared server with incremental backup and periodically reviewed to check for integrity. Data that do contain PII will be maintained on encrypted, restricted-access machines—or, in the case of paper materials, in locked cabinets—at UNT, as required by UNT human subjects' policies.

3. Period of data retention: Data that do not contain PII will be available for public inspection and usage during the project and upon its completion. This approach affords maximum transparency and enables rapid transition and benefit to users, including, as envisioned, educators and other researchers. The team will set up a publicly available website and make data and findings available through that venue, along with descriptive guides of the project, visuals/charts, and manuscripts to increase the ability of the public to consume the project's results.

Data that do contain PII will not be available for public use. As needed or requested, the team will provide de-identified or aggregated data to other researchers for their studies.

4. Attribution: Data will be open for use to all so long as both the UNT team and the DHS, per its funding guidelines, receive proper attribution.