Shaffer, Karey (CIV)

SAMPLE – Cover email for the ARP Application sent to ARP@nps.edu. Note the Subject line. This email is an actual email; it is not part of your attachment.

From: Lanclos, Raymond (Joey) (LT)
Sent: Tuesday, November 12, 2013 11:43 AM
To: GSBPP Acquisition Research Program (arp@nps.edu)
Cc: Phillips, Thurman (Bert) (LCDR); Rendon, Juanita (CIV); Rendon, Rene (CIV); Eger, Robert (CIV)
Subject: ARP Application: Phillips & Lanclos – Adv: R. Rendon, J. Rendon, R. Eger – Curr 815 (ACM) – Grad: JUN 2014

Dear Acquisition Chair,

I am respectfully requesting acceptance into the Acquisition Research Student Program. Attached is my signed project proposal and travel estimates.

Title: The Detection of Anomalies Through Data Analytics in the Prevention of Procurement Fraud.

Objectives: The purpose of this project is to explore the viability of detecting anomalies through using data analytic software as a tool in procurement fraud prevention and to analyze its potential policy implications on Federal procurement stakeholders. Current fraud detection strategies, typically audits and investigations, only catch fraudulent activity after the fraudulent acts have already been committed. The use of data analytic software has the potential to not only detect fraudulent procurements, but also to help deter fraudulent activities before they occur. The results of this research study will be a recommendation on the use of data analytics as a tool to detect anomalies that may indicate procurement fraud in Department of Defense (DoD) organizations.

The Project Will:

- Consist of a literature review on data analytics and their applicability to procurement fraud deterrence within the DoD.
- Develop a conceptual framework with possible fraud indicators that may detect anomalies associated with procurement fraud.

Summary: This research explores an option for not only procurement fraud detection, but also for fraud deterrence that could reduce the wasted money, manpower, and time that could be utilized more resourcefully. The use of data analytics for detecting anomalies can be used as a tool to see if patterns existed and to determine if the fraudulent activities could have been prevented.

Students: LCDR Thurman Phillips and LT Raymond Lanclos
Graduation: June 2014
Curriculum: 815 (ACM)
Advisors: Lead Advisor Dr. Rene G. Rendon, Co-Advisor Dr. Juanita M. Rendon, Co-Advisor Dr. Robert J. Eger
Support Requested: Editorial and transcription services, Funding

Total Travel Budget Requested: $4,570.88

- **Travelers:** LCDR Thurman Phillips and LT Raymond Lanclos
- **Estimated Travel Dates/Locations:** 5-8 January 2014 in Washington
- D.C.; 8-10 January 2014 in Cary, NC.
- **Purpose:** We plan to conduct interviews with investigative services, policy makers and procurement professionals in Washington D.C. to determine the implications of data analytics in the relevant

work environments. We plan to conduct interviews and gain first hand experience with data analytics from the industry leaders, SAS located in Cary, NC.

- **Airfare:** $1,491.00
- **Lodging:** $1,488.00
- **M&IE:** $763.50
- **Rental Car:** $168.38
- **Gas:** $100.00
- **Hotel Room Tax:** $250.00
- **Taxis:** $100.00
- **Hotel Parking:** $200.00

Very Respectfully,

LT Raymond "Joey" Lanclos