To Develop Functional Risk Mitigation Analysis Tools Derived from Onsite tools, the Major Internal Control Toolset (MICT) & Inspector General Evaluation Management System (IGEM).

Purpose: To develop AFWERX proposals that improve analysis of MICT, IGEM and onsite data sets towards early detection and mitigation of operational risks.

Background: Separate databases serve as recording tools to evaluate and track areas of deficiencies across base operations. IGEM tracks deficiencies until they are resolved as closed. MICT supports functional area assessments tools and questions specific for various operational areas. Data housed support the Inspector General's office to evaluate mission and operational readiness of the base and includes critical insights from narratives, qualitative and quantitative data entered.

Deriving meaningful trend data from these disparate data options is laborious. IG offices create ad-hoc, one-off solutions to interpret data and develop risk mitigation reports for leadership. This is augmented by personal relationships across other bases that conduct similar operations in an attempt to gain a holistic assessment of common deficiencies and interpret potential risk.

Potential Solutions: Potential technology solutions will be capable of deriving trends from affiliated databases and manual processes towards risk mitigation reports. Possible solutions may perform one or more of the following outcomes:
- Effectively compile, compare, rank and quantify noted deficiencies against regulation standards.
- Compare deficiencies across bases with similar functions towards holistic risk mitigation reporting
- Visually accessible organization of deficiency assessments with user interface toolsets
- Standard templates pulling database information including narrative insights into risk mitigation template.
- In 6 – 12 months, develop a minimal viable product solution for at least one functional area (e.g. logistics, maintenance, purchase card program, etc) as an outcome for AFWERX SBIR or STTR funding.