Problem Statement
Capture possible savings on real-world contingency missions by seeking all aggregation/consolidation opportunities.

Consolidation Opportunities
- Tonneau Covers
- ATV's
- Bi-Level Airlift Loading System
- Small/light weight UTCs

Aggregation Opportunities
- Water Pallets
- Baggage Pallets

Question 1: Does the current deployment process allow for full utilization of both pallets and aircraft capabilities?
Question 2: Can aggregation and consolidation of UTCs reduce required airlift for the Air Force JTF-PO heavy alert package?
Question 3: Will aggregation and consolidation of UTCs reduce or mitigate any current CRW capabilities?
Question 4: What other types of deployment movements can benefit from aggregation and consolidation of UTCs or requirements?
Question 5: What are the current limitations that prevent full utilization of pallets and full utilization of Aircraft?

Results
- Achieved a 33% sortie reduction with consolidation and aggregation efforts.
- Increased Allowable Cabin Load (ACL) utilization by 28%.
- Increased Pallet Position Equivalent utilization by 16%

Significance of Research
This research has the ability to open new ways of viewing the deployment process not only for the CRW, but possibly all deployments. This research can have an immediate impact on the future of all CRW taskings as well as like-minded units that have a deployment only mission.

Conclusion
As the Department of Defense’s budget is shrinking each year, it is vital that we are able to find smarter ways of conducting business in every area possible. Contingency deployments are extremely important to the national security of our country, but this research has shown an example of how efficiency can be gained concurrently on the battlefield as well as in the budget. The current mindset of deploying a UTC individually and in its entirety has noble reasoning, but is not efficient and without efficiency it is not 100% effective. It is the hope of this research that in the future, logistics planning will focus on not just UTC efficiency, but the entire mission efficiency. This research has shown that both can be achieved without compromising the other.