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2014

### Requirements Review Depot Determination Capstone Project Executive Summary

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#### Repository Citation

Clark, William; Guion, Kenneth; and Richard, James, "Requirements Review Depot Determination Capstone Project Executive Summary" (2014). *Master of Science in Logistics & Supply Chain Management Capstone Executive Summaries*. Book 2.

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# **Requirements Review Depot Determination Capstone Project**

## **Executive Summary**

The primary focus of this capstone project is to provide a solution to refine the accuracy of the organic repair requirements process, and provide a more accurate product for use in the development of the annual man-power and capability build. The current process has historically shown a gross overstatement of annual requirements by almost 10%, as compared to actual customer orders realized by the depot repair activities. This project discusses the current requirements review depot determination process and provides proposals to refine the requirements used in determining the depot repair requirements. These proposals will identify how the Air Force can effectively, efficiently and systematically determine the number of required personnel and man hours to support the organic repair processes currently being accomplished at the three Air Logistics Complexes located throughout the United States (e.g., Oklahoma City, Oklahoma, Ogden, Utah and Robins, Georgia).

An Information Technology (IT) solution, which provides an avenue to consolidate data from multiple systems, will also be presented to support the change in the requirements determination process. This solution will serve as the single authoritative repository for “all” source record data that supports the Requirements Review, and Depot Determination (R2D2) enterprise process. This solution will rectify issues with not possessing an enterprise IT solution to consolidate and collate this type of information and make it readily available for the end users to facilitate rapid decision making when determining the funding of the actual requirement.

An improvement of the requirements enterprise process will provide a more refined, repeatable approach to standard work, as a process will be provided to update the authoritative requirement source documents by the System Program Managers (SPMs), who are responsible for the input of the initial requirement forecast data used to determine their projected funded customer order position. The solutions set forth in this capstone project are projected to provide significant hard and soft savings. By streamlining the R2D2 process and implementing an IT solution, a cost savings/avoidance of at least \$1 Million is anticipated based on the reduction of man hours in the manual collaboration and data expended in the current process. Further, the ability to right size the workforce and the subsequent equipment and parts, can potentially provide cost avoidance and hard savings to the U.S. Government of approximately \$477 Million per year based on savings in personnel costs, equipment usage, inventory accuracy, and reduced inventory expenses. Finally, if the majority of variances between forecasted and actual customer orders can be eliminated, a cost avoidance of upwards to \$1 Billion can be realized. The potential savings of this project are staggering and not only provide cost savings for the U.S. Government, but also provide a leaner and agile workforce which can provide more efficient support to the war fighter.