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## LRDP Feed to R2D2 Process Capstone

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## **Executive Summary**

The Product Support Division, A4F, of Headquarters Air Force Materiel Command owns a two-phased forecasting process known as the Requirements Review and Depot Determination (R2D2) process. The R2D2 forecasts organic workload which ultimately support the warfighter by providing mission essential logistical sustainment for weapon systems. During a black belt facilitated Rapid Improvement Event (RIE) held in October 2016, there was concern on the reliability of the funding files. Due to the complexity of the R2D2 process, only one file would be feasible to improve during the course of this capstone. Along with R2D2, A4F owns the Logistics Requirement Development Process which develops the most prominent funding file input, the Weapon System Sustainment file (WSS). With WSS retaining 47% of the input into the R2 portion of the process, efforts to improve the WSS became the goal. Data was collected to determine the variance in historical files and root-cause analysis took place to determine the causes for the variance. The outcome of this continual process improvement effort lead to a recommendation to revamp the current process and instill a quality control program that drastically reduced rework. Parts of the initiative could be implemented quickly, while other portions are constrained by external deadlines and timetables. Due to the cyclical processes within the organization a projected timeline is provided for further implementation. An estimated monetary gain of instilling the recommended changes amounts to approximately 60M, a 2% improvement in the overall WSS file.