



RIAC Success Story

RIAC Continues MRAP RCM Evaluations

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<p>Customer:</p>	<p>Mine Resistant Ambush Protected Vehicle Joint Program Office</p>
<p>Challenge:</p>	<p>The Mine Resistant Ambush Protected (MRAP) Joint Program Office (JPO) is responsible for the design, procurement and fielding of approximately 35,000 enhanced armored vehicles designed to increase the survivability of Marines, Airmen, Soldiers, Sailors and other military personnel operating in hazardous areas. Due to the pressing operational environment, these vehicles were fielded before the technology could be matured. The challenging and hazardous environment in which they operate requires minimal downtime to meet their mission which is to counter the ever present improvised explosive device threat. The MRAP program has now moved into the sustainment phase and a key component of that phase is to determine and develop the maintenance and support required for the Fleet of Vehicles (FOVs) while ensuring they can continue to meet their critical mission parameters.</p>
<p>Approach:</p>	<p>Reliability Information Analysis Center (RIAC) Subject Matter Experts (SMEs) are currently conducting Reliability-Centered Maintenance (RCM) evaluations for the FOVs and have completed nearly 47% of the systems on the 13 variants in the FOVs. The RCM Team consists of RIAC RCM SMEs, vendor system experts, Soldier/Sailor/Airman operators, vendor field service representatives and</p>

	<p>engineering members of the JPO. These teams evaluate the maintenance program component by component based on observed field failures or other failure rate data obtained from RIAC databases.</p>
<p>Value:</p>	<p>The current cost avoidance if all recommendations changes are implemented in the maintenance procedures for the completed vehicle systems is \$8.188 Billion. This equates to a savings of \$66.2 million in reduced material cost and a reduction of 185.8 million man-hours.</p>

RIAC is operated by a team led by Wyle under contract HC1047-05-D-4005.