



# Microsphere Markers for Structural Damage Detection



U.S. AIR FORCE

AFLCMC... Providing the Warfighter's Edge

	Description
	<ul style="list-style-type: none"> <li>• <b>Primary: Developmental, Multi-platform; Replacement of current Aircraft coating systems with Microsphere Marker Coating</b></li> <li>• <b>Customers: All Aircraft</b></li> <li>• <b>Contract Type: Development</b></li> <li>• <b>Program Type: DoD wide, primarily USAF</b></li> <li>• <b>Number of Users: ~ 10 DoD Depots and 5 OEMs with ~100 Weapon Systems</b></li> </ul>
Project	POCs
<ul style="list-style-type: none"> <li>• <b>Objective: Develop a coating system compatible with AF aircraft with microsphere dyes to indicate substrate damage (corrosion)</b></li> <li>• <b>Scope: ESOH</b></li> <li>• <b>Acquisition Approach: TBD</b></li> <li>• <b>Timeframe: Start date FY20</b></li> <li>• <b>Dollar Value: TBD</b></li> <li>• <b>Identify Challenging Requirements: Finding environmentally friendly dyes in capsules uniformly dispersed in an Aircraft coating that rupture at damaged locations</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>POC(s):</b> <ul style="list-style-type: none"> <li>○ <b>Project Manager:</b> 937-255-3530, AFLCMC/WNVV</li> <li>○ <b>Contracting Officer:</b> 937-255-2977, AFLCMC/WNVK</li> <li>○ <b>Technical Lead:</b> 937-255-3530, AFLCMC/WNVV</li> </ul> </li> </ul>