

EXERCISE SOLUTION: WRIGHT BROTHERS PERFORMANCE REQUIREMENTS SUMMARY (PRS)

TABLE: PERFORMANCE REQUIREMENTS SUMMARY (PRS)

Requirement	Tasks and Critical Subtasks	Performance Standards (Numbers correspond to paragraphs in Wright Brothers solicitation.)	Acceptable Quality Level	Method of Monitoring	Incentives/ Disincentives
Heavier-than-air flying machine	Flying machine supported by dynamic reaction of the atmosphere—with instructions	<p>(1) Quickly and easily assembled, taken apart, and packed for transportation</p> <p>(2) Able to be assembled and put into operating condition in about one hour</p> <p>(3) Carries two persons (combined weight: 350 pounds)</p> <p>(4) Carries fuel for 125-mile flight</p> <p>(5) Speed: 40 mph</p> <p>(6) Able to serve in any country (for field service)</p> <p>(7) Simple and transportable starting device</p> <p>(8) Able to land in fields without a specially prepared spot and without damaging its structure</p> <p>(9) Device permits safe descent in case of an accident</p> <p>(10) Simple in construction and operation</p>	Speed: 36 mph	Visual: trial and endurance flights	<ul style="list-style-type: none"> • Price reduction; mileage 39 mph or less (rejection at less than 35 mph) • Price increase; mileage between 41 and 44 mph