Marine Corps' King Stallion Ready to Run

U.S. Marines with Marine Heavy Helicopter Squadron (HMH) 461 taxi in a CH-53K King Stallion after its first operational flight at Marine Corps Air Station New River, North Carolina, April 13. The flight signified the beginning of HMH-461's modernization from the CH-53E Super Stallion to the CH-53K King Stallion. *U.S. MARINE CORPS / Lance Cpl. Elias E. Pimentel III*

ARLINGTON, Va. – The Marine Corps' new CH-53K King Stallion heavy-lift helicopter achieved initial operational capability on April 22, Deputy Commandant for Aviation Lt. Gen. Mark Wise said in an April 25 release.

The first fleet CH-53K squadron, HMH-461, now has at least four CH-53Ks, the minimum number needed to reach IOC and the number needed for a detachment to deploy with a Marine Expeditionary Unit.

“In addition to meeting IOC criteria, the CH-53K successfully completed a thorough initial operational test and evaluation period that resulted in over 3,000 mishap free hours flown in various challenging environments and terrain,” the release said.

“My full confidence in the CH-53K’s ability to execute the heavy lift mission is the result of successful developmental and operational testing conducted by Air Test and Evaluation Squadron (HX) 21 and Marine Operational Test and Evaluation Squadron (VMX) 1,” Wise said in the release.

The first deployment of the CH-53K is set for 2024. The Corps plans to field 5.25 fleet HMH squadrons with CH-53Ks. Col. Jack Perrin, the CH-53K program manager, told reporters earlier this month the “.25” is an extra four aircraft for one of the squadrons, with each of the other four squadrons to be equipped with 16 helicopters. Other CH-53Ks will be assigned to a fleet replacement squadron and test squadrons, while others will be in process through the maintenance pipeline.

The Marine Corps’ seven HMH squadrons equipped with the older CH-53E in recent years have operated with only 12 helicopters instead of 16 because of attrition over the years. One CH-53E squadron was deactivated last week and two more will be deactivated in the course of the commandant’s Force Design 2030 plan.

“The success to date of the CH-53K is a reflection of the hard work and effort by the Marines, Sailors and civilians at VMX-1, H-53 Program Office [PMA-261] and Marine Heavy Helicopter Squadron [HMH] 461, and the support we have received over many years from across the Department of the Navy and our industry partners,” Wise said.

The CH-53K is capable of providing nearly three times the lift capability of the CH-53E.

“The most notable attribute of the King Stallion is its

ability to maintain increased performance margins in a degraded aeronautical environment, for example at higher altitudes, hotter climates and carrying up to 27,000 [pounds] out to 110 nautical miles; whereas, the CH-53E would be limited to a 9,628-pound external load in the same environment," the release said.

"The King Stallion boasts an engine that produces 57% more horsepower with 63% fewer parts relative to its predecessor, which translates to an expanded capability to deliver internal and external cargo loads, providing the commander a mobility and sustainment capability the MAGTF [Marine Air-Ground Task Force] has never had before."

Supporting the Corps' Force Design 2030, "the CH-53K will complement connectors that will enable littoral maneuver and provide logistical support to a widely disaggregated naval force."

The Marine Corps has a requirement for 200 CH-53Ks. Full-rate production is planned for 2023. Full operational capability is scheduled for 2029.