The TigerShark XP Unmanned Aircraft System (UAS) is a 500 lb class unmanned aircraft with associated ground station. It has been used by the US Navy during the Iraq/Afghanistan wars and is a mature system.

The military hardware has been removed and been replaced by simpler data link systems.

The flights will be managed by the Nevada FAA UAS Test Site at two of their FAA approved locations.

The UAS flights will originate at the Hawthorn, NV or the Silver Springs, NV airports. The flights will be training or R&D flights with the aircraft operating from the surface to 14000 feet MSL. Most flights will remain within 3 NM of the airport and less than 8000 feet MSL, but will occasionally go to the maximum approved range of the test site and up to the aircraft ceiling of 14000 feet MSL. The aircraft will use omni-directional antennas at all times. The Ground Control Station (GCS) will use a combination of omni and directional antennas depending on the flight profile.

By design, the aircraft will return to its origin point if the link is lost.