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Pierce Aerospace supports the ASTM F38 Remote ID Standard in regards to FAA Rulemaking.

The standard supports both broadcast (through WiFi or Bluetooth) and network Remote ID capability. The standard provides an adaptable method of distributing a functioning Remote ID capability across industry and provides redundancy via broadcast and network options with little burden placed on manufacturers, operators, and service providers.

Pierce Aerospace's focus is on building an Unmanned Aircraft Lookup System - product name Flight Portal ID (FPID). FPID is beyond the scope of the ASTM standard, but it directly supports security and safety through the operation and resiliency of the standard. The role of FPID is to function as an interoperable conduit of identity authenticity for commercial, national security, law enforcement, and defense users. It supports backend data services, including government or private whitelisting, to authentic identities via APIs. It is designed for interoperability across a wide variety of commercial and defense technologies. FPID's function is agnostic to policy decisions.

FPID is a dual-purpose product that supports both defense and commercial users. FPID was proven feasible for the air defense ecosystem during Pierce Aerospace's 2018 USAF SBIR. Pierce Aerospace has subsequently continued the work with the US Army and is conducting early FPID and ASTM Standard Bluetooth broadcast developmental tests with the Army in fall 2019.

FPID functions as a digital airspace utility, providing interoperable support across government agencies and authorities, C-UAS technologies, and purely commercial operations - including UTM. As FPID and industry interoperation scale, the service supports identity awareness across a wide variety of applications at the same time - such as independent mobile applications, UTM, and airspace security technology. This interoperation is crucial for supporting high volume commercial activity and airspace security operations.

Positive support for FPID is demonstrated through dozens of letters of support/integration across the spectrum of stakeholders. FPID provides a means to scale operator regulatory compliance and provide security assurance in the drone space. As a utility, it is designed for functioning with high volumes of aircraft and users.

FPID is not a UTM, not a "front end" application, and not a weapon. FPID does support the broader airspace ecosystem, its disparate technologies, and diverse stakeholders.

The ASTM F38 Remote ID standard is crucial to moving the industry towards the next steps of success in commercialization and provides a solid foundation that can be used by adjacent or underlying technologies, like FPID, to address security and authentication concerns in the NAS. Pierce Aerospace is happy to work with the government and industry in the continued work of fielding early instances of FPID and the ASTM Remote ID Standard in 2020.