

## Use of the IEEE Assigned Silo Type ID (STID) with IEEE 1667

[IEEE 1667™](#) provides a transport-independent methodology to discover and access a variety of authentication and authorization protocols.

In the IEEE 1667 protocol, a 'silo' is a uniquely addressable receiver of commands with defined behaviors.

IEEE 1667 specifies the interface to and behavior of several silos (e.g., Probe Silo, TCG Storage Transport Silo, Password Silo, and Smart Card Transport Silo).

External silos may be defined outside of the standard, be either public or private, and involve third-party licensing. Guidelines for external silos are specified in IEEE 1667.

IEEE 1667 specifies a mandatory Probe Silo, with a PROBE command. The PROBE command returns information about which IEEE 1667 silos are supported within a device. Included in the information returned for each silo are the Silo Type ID (STID), the silo version, and other properties.

The STID is a 32-bit binary value, which identifies an IEEE 1667 silo. The STID identifies the type of silo and does not identify individual instantiations of silos.

### **Current STID Assignments**

A list of current STID assignments may be found at <http://standards.ieee.org/develop/regauth/stid/public.html>.

### **Application for a new STID assignment**

Each request for an STID assignment sent to the IEEE Registration Authority (RA) will be reviewed before approval. This review process will be completed in less than 90 days. All information is kept confidential until the request is approved.

A new STID assignment will be denied if the new STID is intended for use with an existing silo defined in the IEEE 1667 standard. Variations of existing silos should be developed within the P1667 working group.

The IEEE RA will assign a new STID after favorable application review. If the silo associated with the STID is included in a new version of the IEEE 1667 standard, then the P1667 working group shall assign a new STID value for inclusion in IEEE 1667.

IEEE does not honor requests for specific STID assignments.

All STID assignments are public unless otherwise requested.

An application form for a new STID assignment may be found at <http://standards.ieee.org/develop/regauth/stid/index.html>.