**Airborne Position Reference Tool (APRT) Intake Form v1.0**

**Instructions:**

The information requested in this form will assist the FAA in determining the viability of your system or service under the APRT project. Please answer as fully as possible, adding additional pages as necessary. Replace all highlighted content descriptions in sections 2 and 3 with the requested information.

General Information

## Applicant Information

|  |  |
| --- | --- |
| Company Name |  |
| Company Address |  |
| Applicant Name |  |
| Phone Number |  |
| Email Address |  |
| Submission Date |  |

## System Information

|  |  |
| --- | --- |
| Type of System or Service | Airborne Position Reference Tool (APRT) |
| Model/Version Number |  |
| Top Level Part Number |  |
| State of Development (e.g., Concept exploration, In-Development, Production) |  |
| Has the system or service been approved by another civil aviation authority? If so, which authority? |  |
| Is the system or service in use anywhere. If so, where? |  |
| List sponsors that are expressing an interest in the proposed system and/or service. |  |

System Description

This section describes the functional and technical characteristics of your APRT including system overview, system architecture, hardware/firmware and software components, system interconnections, user authentication, and other program interdependencies.

## System Overview

*[Provide a high-level description of the system functionality (e.g., what the system is and what it does.]*

## System Architecture

*[Describe the overall system architecture and all major subsystems. Provide an overall system architecture diagram, including identification of system interfaces, major subsystems, subsystem hardware, firmware, and software assets. For networks and transmissions system, the network management configurations need to be addressed including subnets and DMZs.* ***All*** *connections to assets and networks outside of the system boundary must be included in the diagrams with the details of each interface captured.]*

## Hardware/Firmware and Software Components

*[Describe the major hardware/firmware and software components that comprise the system or subsystem, such as make, model number, processor type, internal/external data storage devices, and other peripherals, if applicable. If the system consists of numerous subsystems, identify the hardware/firmware and software components broken out by each major subsystem.**]*

## System Interconnections and Data Flow

*[System data flow is described below detailing how information flows within the system boundary, as well as outside of the system boundary. All data flows described are also depicted in the Technical Architecture diagram above in section 2.2.*

*System data flow should describe how information flows in and out of the system boundary. Interfaces, interconnections, and information flowing between this system and other systems must be described. All data flows described here should be depicted in the system architecture diagram above in section 2.2. Any system containing flight data pertaining to individual flights must describe how Sensitive Flight Data (SFD) flows between this system and other systems. If needed, greater detail on identifying and defining the system boundary can be found in NIST SP 800-37 Revision 2.]*

### Interconnections Internal to System Boundary - Description

*[Provide details about the interconnections that are internal to the system boundary for the selected system.]*

### Interconnections External to System Boundary – Description

*[Provide details about the connections external to the system boundary. Interconnections with all systems outside the system boundary of the system must be listed. This may include connections to a test, support or development lab environment.]*

## Identification and Authentication

*[Provide a detailed description of how users authenticate to the system, to include user-to-machine authentication and machine-to-machine authentication. If authentication is not required, please describe such, e.g. anonymous access.]*

## Interdependencies with Other Programs

*[If another system is providing access control, auditing, anti-virus, document here. Describe hosting environments and services provided.]*

# System Environment

## Environment Description

*[Identify and describe the operational environment around all major subsystems, including but not limited to Manned Operational Sites (e.g., Federal Contract Towers), Unmanned Operational Sites, Development, Support, and Maintenance Facilities, Contractor or Vendor Owned Facilities.]*

*[Additionally, describe where the system and subsystem components are located within each facility type (e.g., the system is located in an equipment room that is protected with a swipe-card device).]*

## System User Types

*[Identify the types and number of personnel who have local and remote access to the system, including operators, system specialists, system administrators, super users, contractors, subcontractors, vendors, and other system users. Identify how personnel are accessing the system (e.g., Dedicated External Connection). Also, identify the physical location where the personnel are accessing the system. Identify what user types have access to what subsystems (e.g., distributed systems located in various facilities may consist of several subsystems that have restricted access to certain user types).*

*In particular, identify the following accounts:*

* *Privileged Network Account: defined as a network account with elevated privileges, which is typically allocated to system administrators, network administrators, and other who are responsible for system/application control, monitoring, or administration functions.*
* *Privileged Local System Account: defined as a user account with elevated privileges which is typically allocated to system administrators, database administrators, developers and others who are responsible for system/application control, monitoring, or administration functions. In Linux or other Unix-like Operating Systems, these are typically referred to as Root Account, Root User, or Super User Accounts”.*

*In short, any user account that provides access to more than one instance of a system needs to be identified separate from the other accounts.]*

### Maintenance Procedures

[Describe local/remote maintenance procedures, including involvement of FAA and contractor/vendor maintenance personnel.]