Use Case Number:	001	Written By:	Ryan Bomalaski
Sprint Number:	1	Application:	main.py
Tracker ID:	UC-001		
Module:	N/A		

Use Case – No Aircraft Nearby

The pilot and airplane are flying. While performing routine listening and broadcasting, the airplane sees that there are no neighbors nearby to interact with. In seeing that there is no one nearby, the collision avoidance algorithm, when checking nearby neighbors, should not recommend any change in direction or course.

Actors

Pilot	Flies the aircraft, uses collision avoidance to get corrective information
Aircraft	Interfacing with different components needed for flight
Listen Component	Component of the aircraft that brings information from nearby neighbors
Collision Avoidance Component	Component of the aircraft that sends out information about the aircraft
Broadcast Component	Uses information from listen component to recommend a change of course if necessary

Priority

High. If the collision avoidance recommends flight changes when unnecessary, it isn't functioning correctly.

Pre-Conditions

The airplane is currently flying, able to listen and broadcast, and there are no neighbors nearby.

Related Use Cases

1. UC-002
2. UC-003