

Use Case Number:	001	Written By:	Ryan Bomalaski
Sprint Number:	001	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			