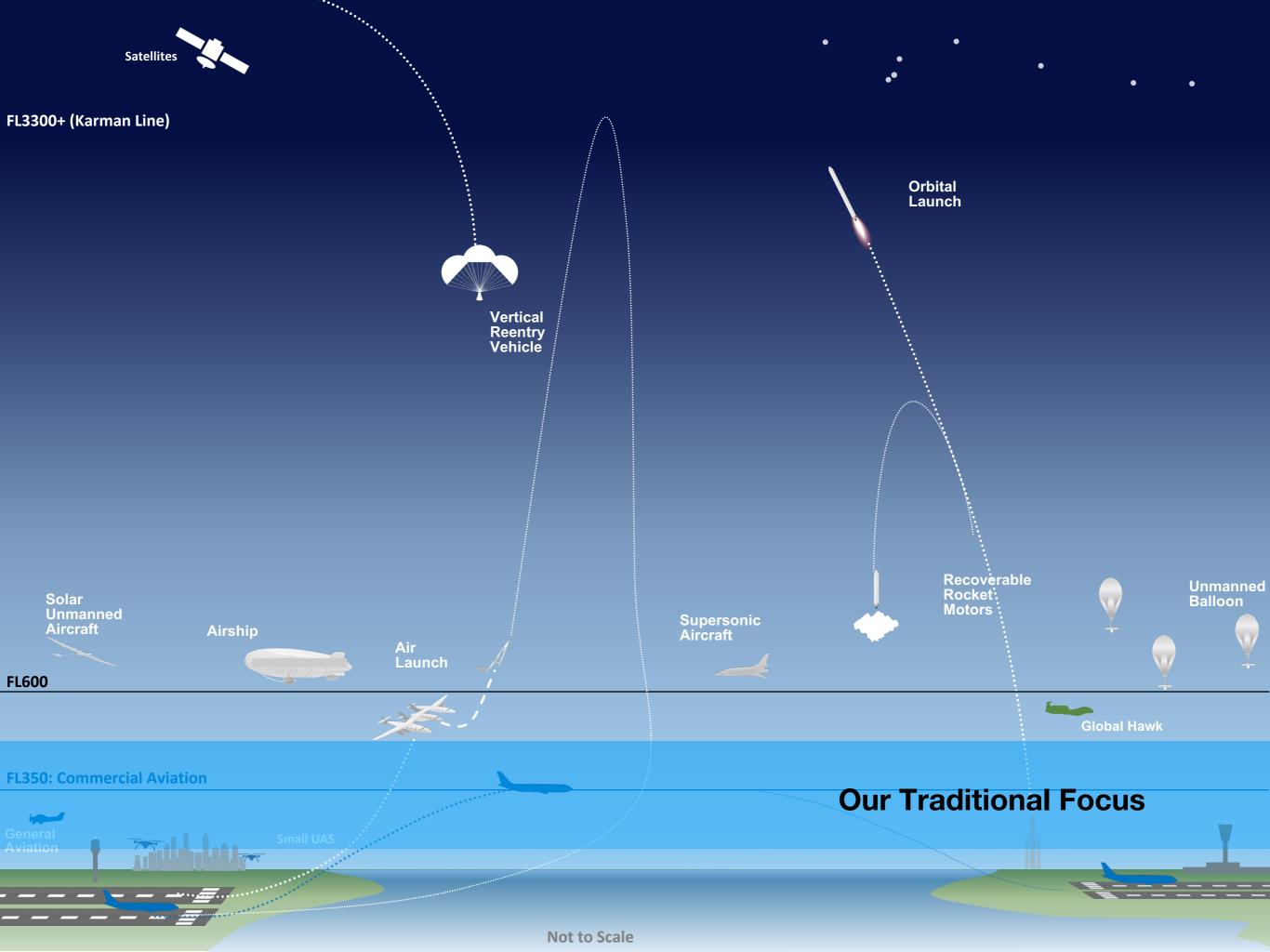
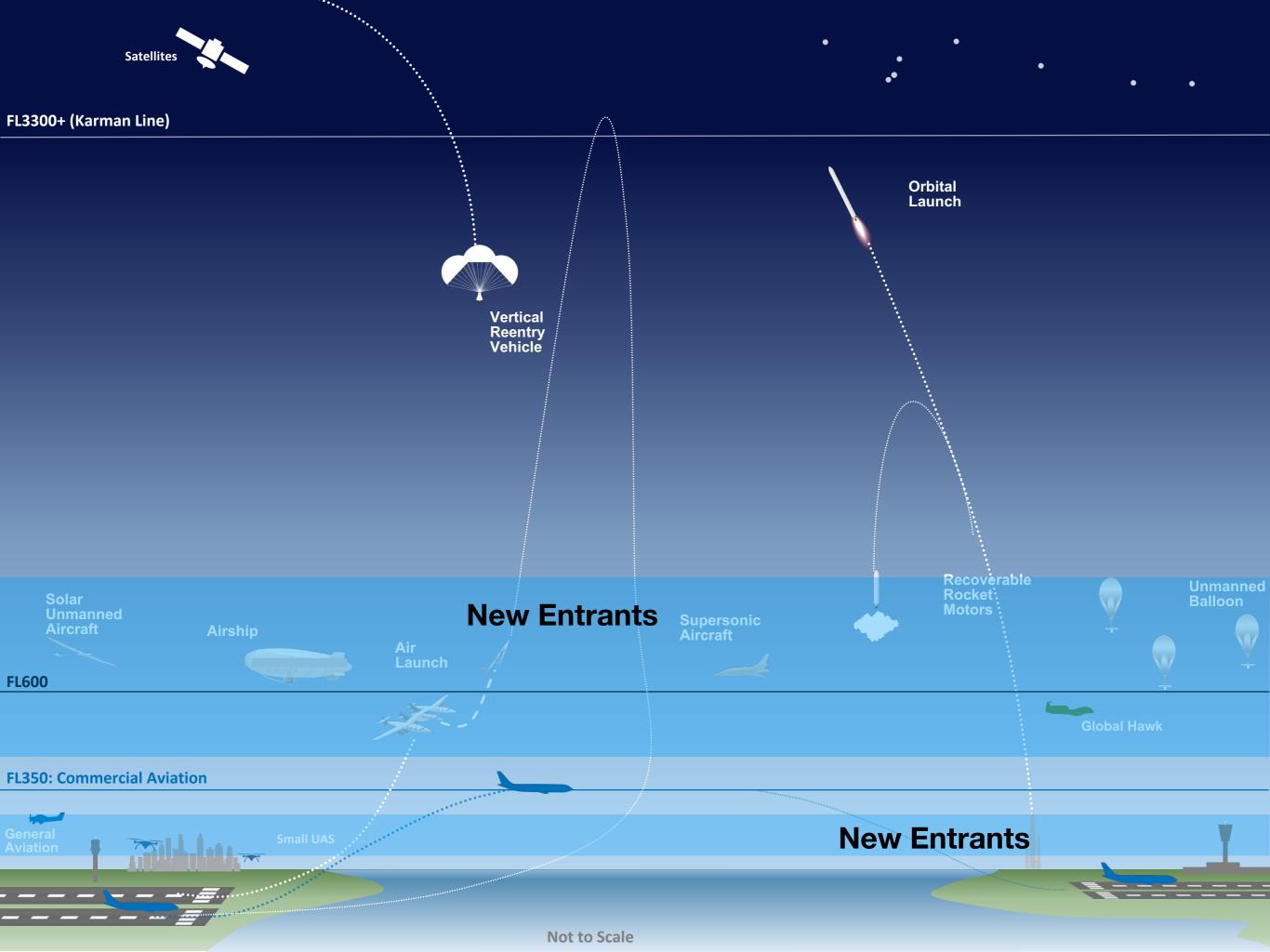
Very High Altitude Operations Lessons From UTM

ICAO Drone Enable/2





This is happening - now

- Ultra High Highly Autonomous....along the lines of the ICAO GANP
 - First to Market (Loon) been flying 4 years; 1st 1: Many Ops
 - Next to Enter ~ Airbus Zephyr w/ Facebook ~ then Stratobus
 - And then Supersonics
 - Operational Trials between Loon and Airbus 2019; likely Africa or Latin America
- Ultra Low Highly Autonomous....in a different way
 - Small Drone rapid expansion; new rules everywhere
 - More 1: Many Ops Planned
 - UTM Critical ~ should be harmony between ultra high and ultra low
 - Operational Trials will occur in many Countries
- Collaboration is necessary for AIRSPACE DNA HARMONIZATION
 - Lets use this opportunity to rethink traditional CNS implementation
 - If we get ultra upper and ultra low right; allows easier transition controlled airspace ~ which shrinks over time consistent with performance capability and risk
 - FAA, Eurocontrol, SESAR JU already working on common CONOPS based on actual ops
 - AN Conference in October will discuss this concept and forward plans
- Encourage the "new industry" to help pave the way; they want to be good aviation citizens BUT.....they work differently.....so finding new ways to collaborate is essential.