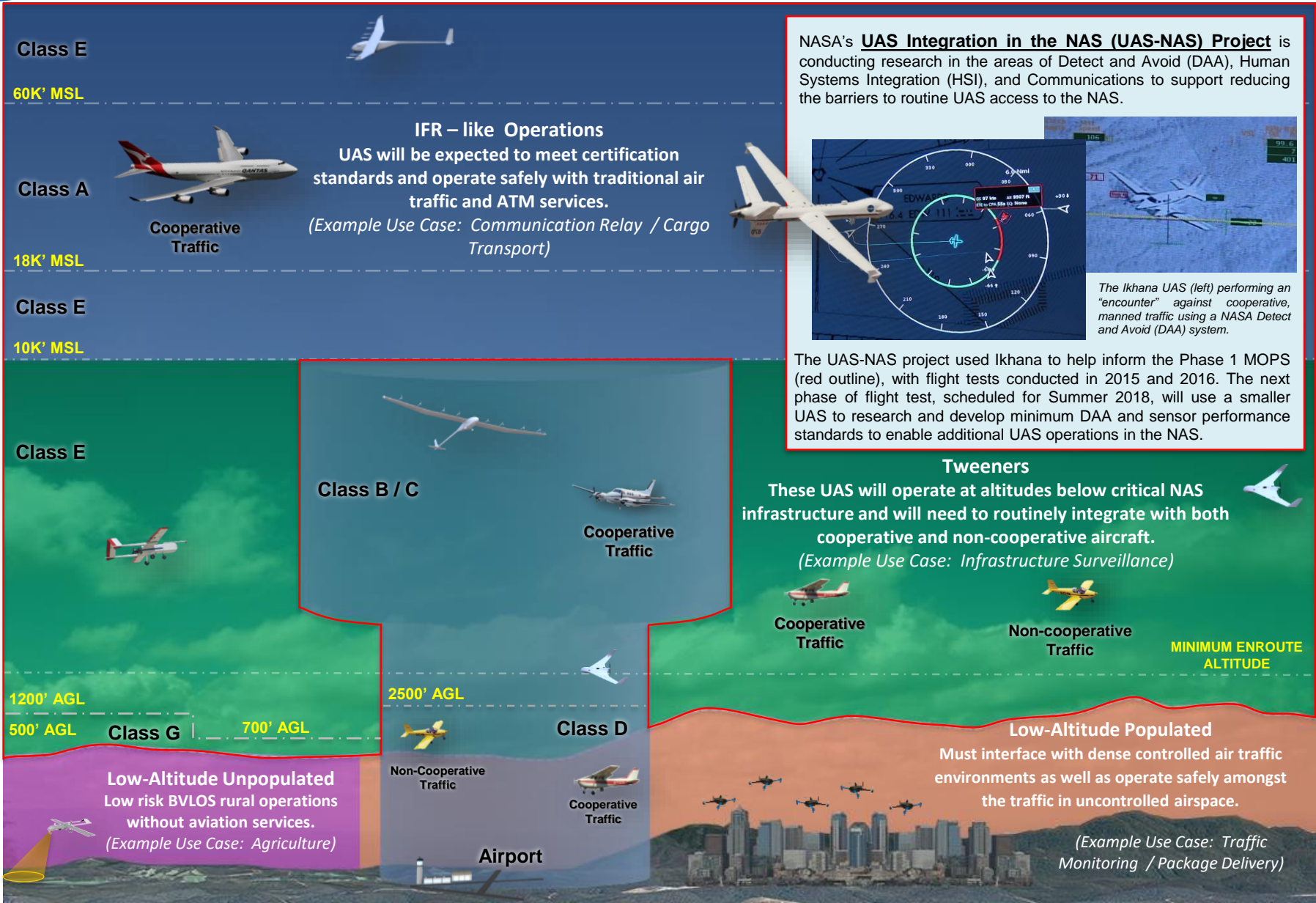


Emerging Commercial UAS Operational Environments and NASA's Role



NASA's **UAS Integration in the NAS (UAS-NAS) Project** is conducting research in the areas of Detect and Avoid (DAA), Human Systems Integration (HSI), and Communications to support reducing the barriers to routine UAS access to the NAS.



The Ikhana UAS (left) performing an "encounter" against cooperative, manned traffic using a NASA Detect and Avoid (DAA) system.

The UAS-NAS project used Ikhana to help inform the Phase 1 MOPS (red outline), with flight tests conducted in 2015 and 2016. The next phase of flight test, scheduled for Summer 2018, will use a smaller UAS to research and develop minimum DAA and sensor performance standards to enable additional UAS operations in the NAS.