

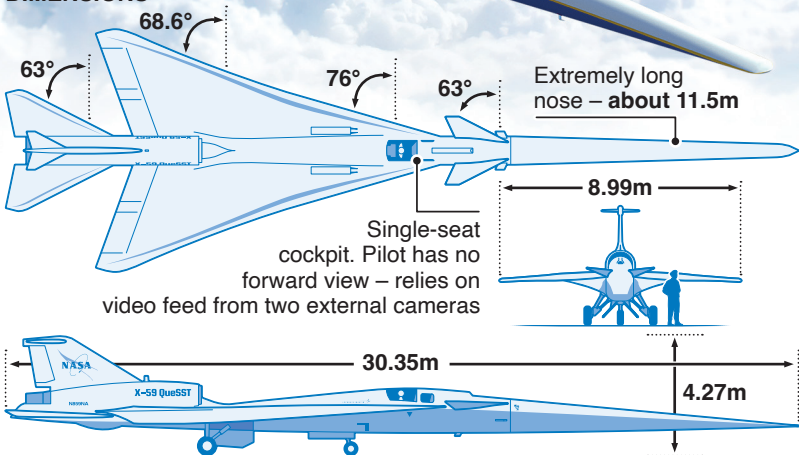
A quieter supersonic aeroplane

NASA and Lockheed Martin are building a unique aircraft intended to reduce a sonic “boom” to a sonic “thump”, thanks to a very long nose that will reshape shock waves during supersonic flight

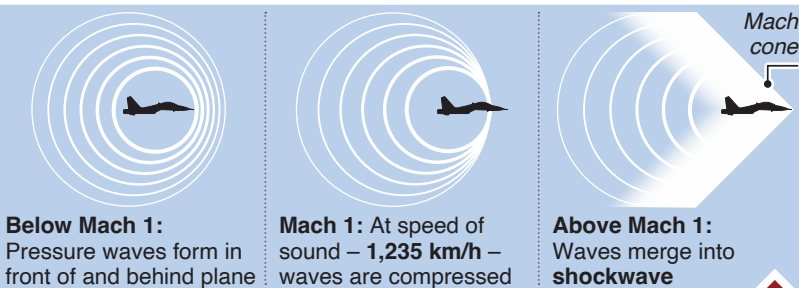


Artist's impression of how X-59 QueSST (mash-up of Quiet Supersonic Technology) could look in flight

DIMENSIONS



HOW SONIC BOOM OCCURS



Merged shockwave generates 110 decibels of sound energy, like thunderclap – which led to ban on commercial supersonic flights over United States. Unique shape of X-59 is expected to reduce noise to around 75db, like car door closing, allowing ban to be lifted