# Inmarsat's 'smart pipe' connects 777X

Inmarsat and Boeing have developed a new 'smart pipe' technology that provides fast and secure inflight broadband connectivity, from the cockpit to the cabin, allowing airlines to use multiple third-party applications at the same time onboard the new 777X aircraft.

The new infrastructure has been designed to independently allocate connectivity bandwidth to multiple applications. This enables airlines to unlock operational benefits such as predictive maintenance, route optimization, modernized air traffic management and real-time crew communications, while also offering passengers including high-speed internet and live television.

This 'smart pipe' functionality means that applications delivered on Inmarsat's GX Aviation and SwiftBroadband-Safety (SB-S) - are each able to have a unique service level agreement and guaranteed performance levels, independent of other applications that are also operating through the same terminal.

"Inmarsat's GX Aviation and SB-S are already established as the aviation industry's most advanced global connectivity solutions," said Philip Balaam, President of Inmarsat Aviation. "Now, with the addition of 'smart pipe' functionality, we are paving the way for a more connected and integrated future, which is crucial for airlines around the world that are transforming their business with the power of digital technology.

"This is a significant milestone in developing the truly connected aircraft and reinforces Inmarsat's key role in serving the aviation industry with a suite of operational and passenger connectivity services. The results from initial tests for our 'smart pipe' are promising and we look forward to continuing our collaboration with Boeing in preparation for the forthcoming entry into service of its new 777X aircraft."

Inmarsat's new 'smart pipe' technology will initially be available to airlines that have either ordered or plan to order the 777X. In addition, these capabilities will be available as upgrades on other aircraft models.