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Title: Can aviation communications replace base stations

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According to the consensus of the global aviation community, promoting the development of the ACS from narrowband to broadband has become an inevitable choice for ...

In this article, a new design and engineering implementation scheme for aviation multimode fusion-based communication systems is proposed to solve the challenges faced by ...

ACARS will over the next 20 years be superseded by the Aeronautical Telecommunications Network (ATN) protocol for Air Traffic Control communications and by the Internet Protocol for ...

An uncrewed aircraft carrying an advanced antenna can replace 200 conventional mobile base stations, or even up to 700 in some cases. That was the claim yesterday by ...

This paper studies the feasibility of using UAVs as flying base station in the assistance of wireless communication in a scenario where there is a sudden demand for data ...

AOC and AAC messages are used for communications between an aircraft and its base. These messages may be of standard form or as defined by users, but all must then meet at least the ...

This paper proposes an antenna solution for direct air-to-ground (ATG) communications, particularly focusing on the challenges and potential of the digital airspace vision.

This document is only an introduction and overview of the requirements that should be met in order to install VHF air/ground radio stations at airports in a proper, acceptable, and ...

No single communication system fits every aircraft. Let's clarify the types of systems available and note how

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each system is used, so you can make an informed decision regarding the FAA ...

ACARS lets you send short text messages between aircraft and ground stations. It can use VHF, HF, or satellite communication systems to transfer your message. Some aircraft ...

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