

TITLE OF INVENTION: METHOD AND SYSTEM FOR PROVIDING IN-FLIGHT
NETWORK COMMUNICATIONS

ABSTRACT

A method for providing aircraft network communications is provided. The method includes checking, by an onboard server of an aircraft, for aircraft network connection readiness; receiving, by the onboard server, a connection request from one or more user devices on the aircraft that subsequently and periodically continue scanning for aircraft network connection readiness; in response to finding, by the onboard server, a secure connection to an aircraft communications network based on one or more connection rules, connecting the onboard server to the aircraft communications network; notifying the one or more user devices that a network is available; authenticating the one or more user devices; connecting the one or more user devices to the aircraft network; monitoring network connection status; and in response to determining that the network connection status is insecure based on the one or more connection rules, disconnecting the onboard server from the aircraft communications network.

FIG. 5A