

CLAIMS

1. A computerised method for monitoring the status of an aircraft comprising:
 monitoring, at an input module of an aircraft monitoring system, for Air Traffic
 5 Services Facilities Notification (AFN) messages corresponding to the aircraft;
 receiving, at the input module, aircraft location information corresponding to the
 aircraft;
 determining, at a processor of the aircraft monitoring system, if one or more AFN
 message criteria have been satisfied by the received AFN messages; and
 10 generating, at an alerting module of the aircraft monitoring system, an alert based
 on the determination and the aircraft location information;
 wherein the AFN message criteria identify a time period for receiving a FANS logon
 confirmation message and wherein an alert is generated, at the alerting module, if the
 FANS logon confirmation message has not been received after the aircraft has been in
 15 FANS enabled airspace for the identified time period.

2. A computerised method for monitoring the status of an aircraft comprising:
 monitoring, at an input module of an aircraft monitoring system, for Air Traffic
 Services Facilities Notification (AFN) messages corresponding to the aircraft;
 20 receiving, at the input module, aircraft location information corresponding to the
 aircraft;
 determining, at a processor of the aircraft monitoring system, if one or more AFN
 message criteria have been satisfied by the received AFN messages; and
 generating, at an alerting module of the aircraft monitoring system, an alert based
 25 on the determination and the aircraft location information;
 wherein the AFN message criteria identify a time period for receiving a FANS logon
 confirmation message and wherein an alert is generated, at the alerting module, if the
 FANS logon confirmation message has not been received within the identified time period
 from an AFN contact advisory message having been sent to the aircraft.
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3. A system for monitoring the status of an aircraft comprising:
 an input module configured to receive Air Traffic Services Facilities Notification
 (AFN) messages corresponding to the aircraft and aircraft location information
 corresponding to the aircraft;
 35 a processor configured to determine if one or more AFN message criteria have
 been satisfied by the received AFN messages; and

an alerting module configured to generate an alert based on the determination and the aircraft location information;

wherein the AFN message criteria identify a time period for receiving a FANS logon confirmation message and wherein the alerting module is configured to generate an alert if
5 the FANS logon confirmation message has not been received after the aircraft has been in FANS enabled airspace for the identified time period.

4. A system for monitoring the status of an aircraft comprising:
an input module configured to receive Air Traffic Services Facilities Notification
10 (AFN) messages corresponding to the aircraft and aircraft location information corresponding to the aircraft;
a processor configured to determine if one or more AFN message criteria have been satisfied by the received AFN messages; and
an alerting module configured to generate an alert based on the determination and
15 the aircraft location information;
wherein the AFN message criteria identify a time period for receiving a FANS logon confirmation message and wherein the alerting module is configured to generate an alert if the FANS logon confirmation message has not been received within the identified time period from an AFN contact advisory message having been sent to the aircraft.