

The increased demand for airspace usage from all sectors of aviation is expected to continue.

Current forecasts show an annual traffic growth of 4-6% throughout Europe up to 2015. Calculations and historical data show that this will give a significant increase in the demand for communications between aircraft and ground-based air traffic services.

To ensure worldwide interoperability, air-to-ground radio communications were allocated VHF spectrum between 118 and 136.975MHz. The spectrum was then sub-divided into 25kHz channels.

The issue of spectrum scarcity was recognised some 10-15 years ago and a number of technical solutions were considered. The adopted solution was to introduce 8.33kHz channel spacing, above Flight Level - 245 (FL-245) in congested airspace, as from October 1999 thereby fitting a greater number of channels into the available spectrum. The next planned phase is for the introduction of 8.33kHz channel spacing below FL195.





What is the easiest, most cost effective way to be compliant?

Cranfield Aerospace Ltd (CAe) is a company with a worldwide reputation for excellence and the approvals to match (Cranfield Aerospace Approvals).

CAe has in place a Supplemental Type Certificate (covered by our EASA Part 21J) for the Jetstream 31/32 with a Service Bulletin for the installation of the 8.33kHz compatible radio.

If your requirement is for any other aircraft then Cranfield Aerospace Ltd can provide a Supplemental Type Certificate (covered by our EASA Part 21J) complete with a Service Bulletin to cover the installation.

CAe is an authorised Rockwell Collins dealer and has all the necessary approvals to offer a 'one stop shop' solution. The complete package price includes the Rockwell Collins' VHF 22C VHF Communications Transceiver and CTL-22D Controller. The VHF-22C provides flight crews with unparalleled audio quality, ensuring clear communication even in the most crowded ATC environment.

All Rockwell Collins Pro Line Radio Sensors are designed to be compliant with 8.33 kHz channel spacing regulations. For more in depth information use the link to the relevant part of the Rockwell Collins website Rockwell Collins VHF-22.

Please contact Cranfield Aerospace for price and options for your specific requirement.

Graham Campion, Business Development Manager

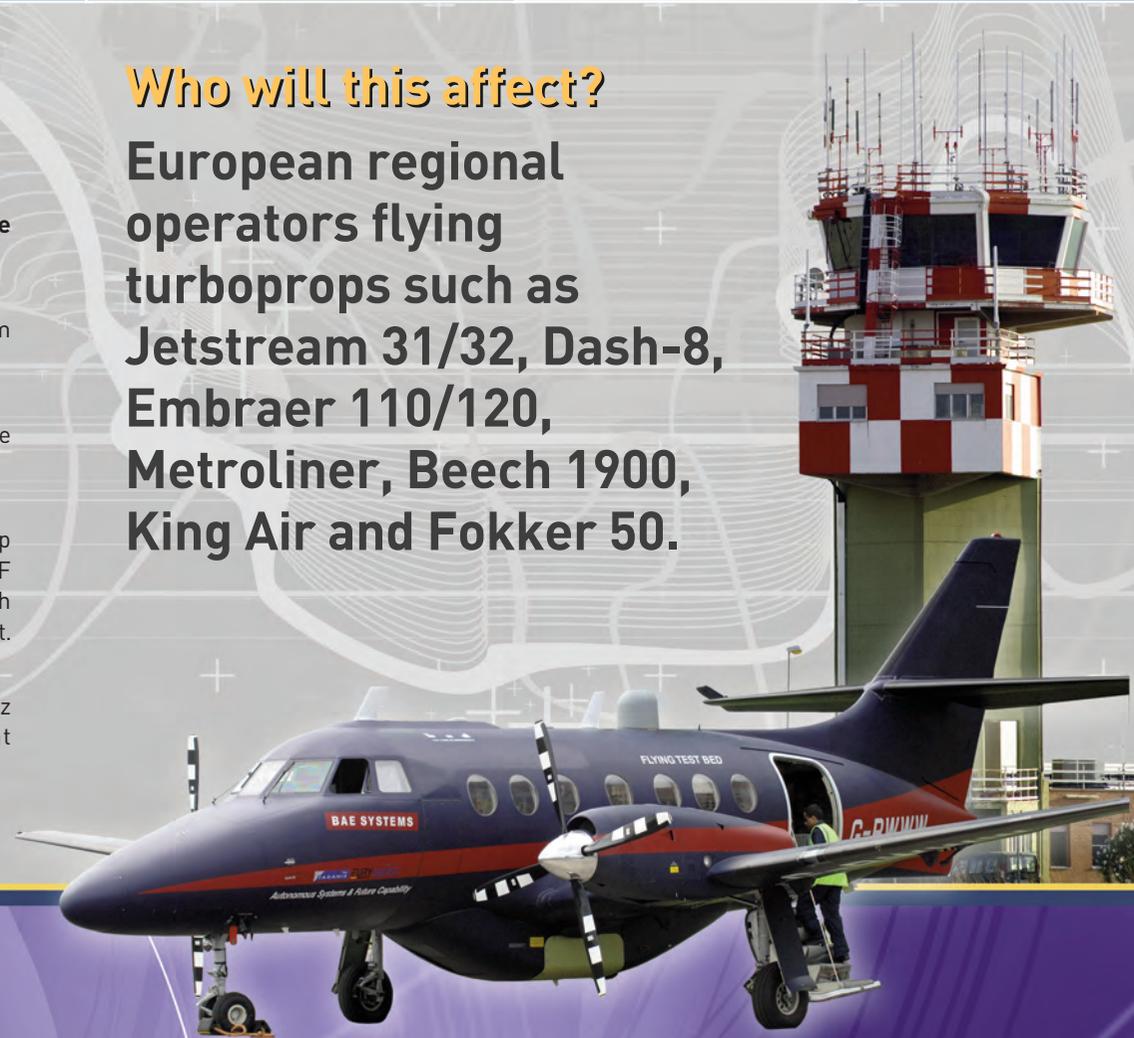
Tel: +44 (0) 1234 754160

Mobile: +44 (0) 7717 342822

Website: www.cranfieldaerospace.com

Who will this affect?

European regional operators flying turboprops such as Jetstream 31/32, Dash-8, Embraer 110/120, Metroliner, Beech 1900, King Air and Fokker 50.



Impending Mandatory Carriage Below **FL-195**