

	REPUBLIC OF SOUTH AFRICA CIVIL AVIATION AUTHORITY	CAA Private Bag x08 Waterkloof 0145
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AIR NAVIGATION SERVICES

COMMUNICATION

FREQUENCY ALLOCATION WITHIN THE VHF BAND

- A Indicates changes.
- Δ This AIC replaces AIC 41.5 dated 93-04-15.
1. *Air traffic movements and the traffic services within the RSA and adjacent territories are continually increasing and the need for VHF communication channels is consequently increasing. This is aggravated by the higher operating altitudes of modern aircraft as a result of which the minimum distance between ground station operating on the same VHF channel must be increased if air-to-air interference is to be avoided.*
 2. *The time is rapidly approaching when it will not be possible to allocate frequencies for all services and at the same time accommodate the limited frequency coverage of certain aircraft i.e. 118,0 MHz to 126,9 MHz.*
 3. *All the 50 kHz channels in the national allotment sub-band 122,0 MHz to 123,6 MHz has already been assigned to various private ground stations. While further sharing of these frequencies is possible the time is rapidly approaching when it will be no longer be possible to assign private ground stations on 50 kHz channels.*
 4. *To ensure a safe, orderly and expeditious flow of air traffic there appears to be no alternative to making it mandatory for all aircraft operating in a given controlled or advisory airspace to be equipped with radio communication equipment capable of transmitting and receiving on all of the VHF channels allocated to such airspace.*
 - Δ5. *In view of the above aircraft operating in South African airspace must be equipped with VHF radio communication equipment capable of operating on any 25 kHz channel in the band 118,000 MHz to 136,975 MHz as from 01 January 2005.*
 - Δ6. *Municipalities, flying clubs and other private ground station operators are hereby advised that frequencies may be assigned on any 25 kHz channel in the sub-bands 122,000 MHz to 123,050 MHz, 123,150 MHz to 123,6917 MHz and 129,700 MHz to 130,8917 MHz.*
 - Δ7. *Users of equipment of 100 kHz and 50 kHz selection only should be aware that 25 kHz spacing excludes adjacent channel interference protection for such equipment. Interference caused by proximity to aircraft and ground stations operating on adjacent 25 kHz channels can therefore be expected.*

COMMISSIONER FOR CIVIL AVIATION