

Frequency Sequence for Future VGOS Operations

The IVS Directing Board proposes using the frequency channels listed in the table below for future VGOS operations. The frequency setup consists of thirty-two channels of 32-MHz bandwidth each, organized in four frequency bands. The frequency channels may be adjusted slightly to improve geodetic products; however, there is no guarantee to obtain frequency protection by spectrum management. The IVS Directing Board further requests that IVS components providing VGOS infrastructure take appropriate steps to use these frequencies operationally by 2028 as best as they can. Caveat: In the event that a band becomes unusable for the entire station network or major parts of it, for instance due to strong RFI, an alteration to the frequency setup may become a necessity.

Frequency Channel	Band-A f_{start} (MHz)	Band-B f_{start} (MHz)	Band-C f_{start} (MHz)	Band-D f_{start} (MHz)
1	3000.4	4824.4	8760.4	12984.4
2	3032.4	4888.4	8824.4	13048.4
3	3064.4	4984.4	8952.4	13176.4
4	3160.4	5208.4	9144.4	13368.4
5	3192.4	5496.4	9432.4	13656.4
6	3256.4	5656.4	9592.4	13816.4
7	3320.4	5752.4	9688.4	13912.4
8	3352.4	5784.4	9720.4	13944.4