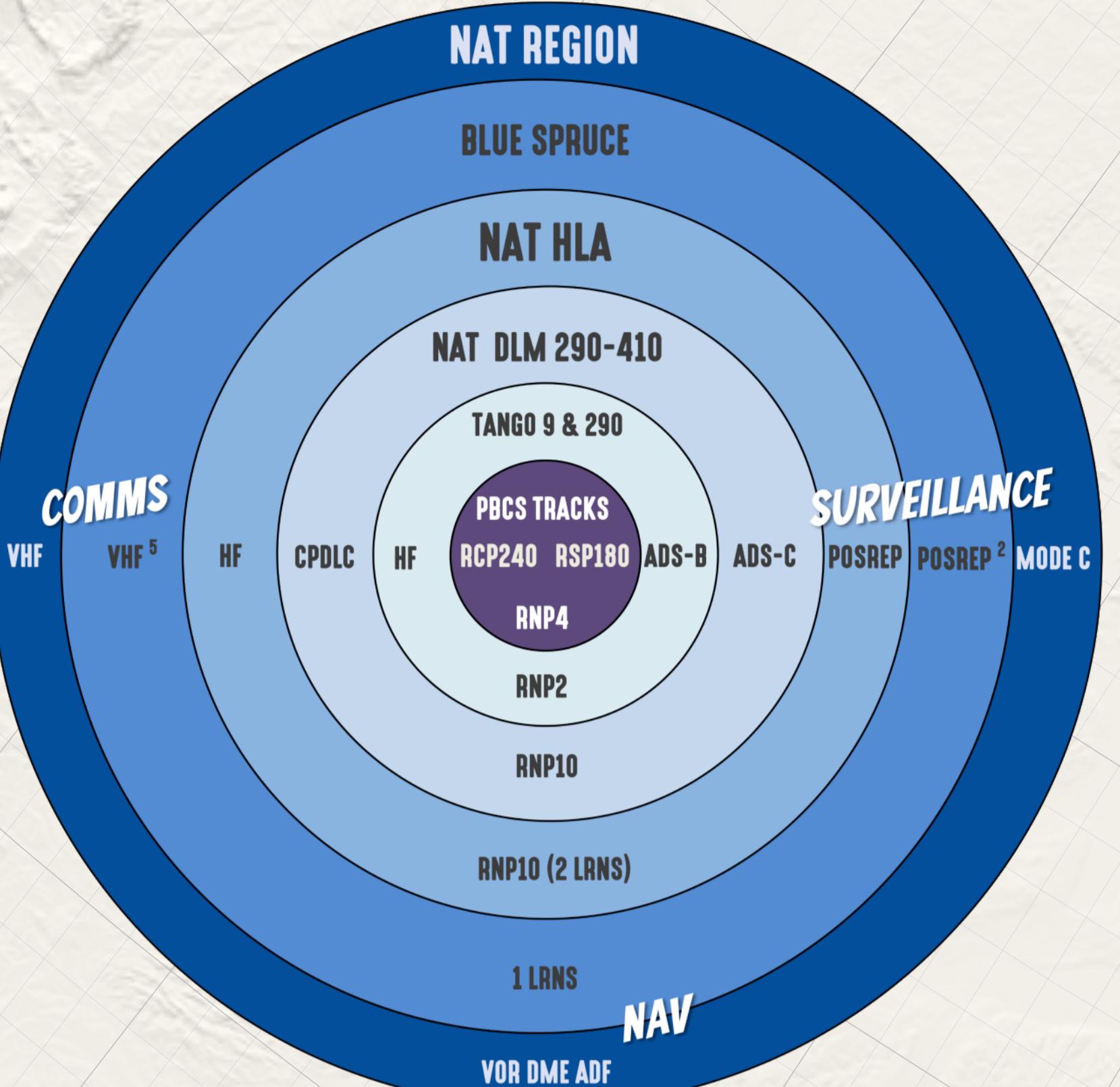


NOTICE TO PLOTTERS: We hope you enjoy using this chart. Do not use it to navigate, you will get lost and run out of fuel. If you find errors, please email [pubs@ops.group](mailto:pubs@ops.group). If you have good ideas for the next edition, do the same, and we'll send you a free one!



### CIRCLE OF ENTRY: WHAT DO I NEED TO GET IN?

- 1 : The NAT HLA (formerly MNPS) is FL285-420 and everyone needs HLA approval in this area.
- 2 : Blue Spruce routes: 1 LRNs ok, VHF ok is most, but since 2021 more restrictive: datalink needed FL290-410 on southerly routes, ADS-B over Greenland (if no ADS-C), and HLA approval FL285-420.
- 3 : You need Datalink (CPDLC and ADS-C) from FL290-410 in the entire HLA, except for: North of 80N, NYC Oceanic, Tango 9 & 290, and 'surveillance airspace' over Iceland/Greenland (latter needs ADS-B).
- 4 : PBCS Tracks (half degree apart), when published, are FL350-390 requiring Datalink with RCP240 and RSP180, and RNP4. Normal NAT Tracks (one degree apart) just need HF, Datalink, and RNP10.
- 5 : Shawick OCA needs HF, no exceptions (even Blue Spruce). T9 & 290 need HF, RNP2, and ADS-B, but not datalink. You can normally climb and descend through most airspace even if you don't have the gear to cruise in it. You need TCAS 7.1 everywhere in the NAT, and RVSM from FL290-410. SLOP right on all tracks, including random. Outside VHF areas 2 LRCS are required - HF must be one, Satcom or CPDLC for the other.

