



A possible way to update ITU-R maps of foF2

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It has been pointed out that there is a need to update the existing ITU-R map coefficients which have been produced more than thirty years ago from a very limited database. In this paper different possibilities to produce median maps of foF2, the critical frequency of the F2 layer, are investigated. The approach used for the map production relies on the application of previously developed electron density reconstruction techniques based on slant and vertical total electron content data ingestion into NeQuick, a three dimensional and time dependent ionospheric electron density model particularly designed for trans-ionospheric applications. We present and discuss preliminary results related to the comparisons between reconstructed and median values from ionosonde experimental data.