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Simulation of Satellite System

Dear Inimfon,

A quick review of the Nigerian satellite project is as follows:

1) Dave Quinlan and I both believe that we can reduce the cost of a world wide satellite Internet system from billions of dollars to millions of dollars, or perhaps even less. **We have invested in the USA huge amounts of valuable time and considerable amounts for patent fees both USA and International.**

2) However, our technology is **complicated**. It will need to be “Tuned Up” in order to make it work.

How many satellites are needed for what delays?

What altitudes?

What about antenna beam widths?

Can it support real time video?

Can it support E-Mail?

The questions go on and on?

The purpose of the simulation **was to not only help sell our system, but to**  **answer these questions and many others.**

3) Our first awarded USA patent describes in many pages how this system works. **Furthermore, there was a many page document on how to write the simulation to make the programs simpler to code, but still be realistic.**

**Perhaps the most important assumption is to treat satellite orbits in two dimensions, as opposed to the three dimensional world.** If we are studying a small area like West Africa, then that local area is almost flat. Distance to horizon in the code can cover the problem of a curved earth.

Finally, there have been several E-Mails stressing key components in the simulation. (In futuristic cases such as Nigeria to the Philippines our links are short, even though the routes can be long and curved , and thus an individual link and its characteristics can be analyzed assuming a flat earth.)

4) **Steve’s current web site fails to capture a realistic operation of the system. Dave Quinlan and I both strongly agree that this simulation does not show the strengths and weaknesses of the first awarded patent.**