

From: Matt Hederstrom

To: John Kennedy

Date: September 10, 2003

Subject:

FCC File #: 0258-EX-ST-2003

Message:

September 9, 2003

By Regular Mail and Email: jkennedy@fcc.gov

John Kennedy
Office of Engineering & Technology
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Re: □ FCC File #: 0258-EX-ST-2003

Reference Number: 2693

Confirmation Number: EL13452

Dear Mr. Kennedy:

We are in receipt of and thank you for forwarding the FAA's comments regarding the above-referenced FCC STA file. Matt Hederstrom is presently on holiday and I am providing ANPC's response in his absence.

On a general note, the application process apparently did not adequately brief the commentator on ANPC's purpose for requesting the STA and on the mission of the Transportable TLS (TTLS). ANPC is requesting the STA so that it can test for a specific and limited period of time a transponder-based cooperative target surveillance and approach guidance system being developed in cooperation with Marine Corps Warfighting Lab. This system is not being developed for use in the NAS and will not be permanently installed or situated at Madras, OR (or anywhere else in the NAS.) Clarification of this fundamental misunderstanding addresses many of the commentator's specific issues. ANPC's response to the other issues are also set forth in detail below.

With respect to the commentator's concerns regarding the requested interrogation rate, the civilian TLS is capped at 10 Hz because 10 Hz is the minimum interrogation rate required to accomplish the TLS mission. The Transportable TLS (TTLS) that will be tested at Madras, OR has an expanded military mission compared to the civilian mission defined for TLS.

With that expanded mission comes an increased requirement on interrogation rate. The proposed interrogation rate of 18 Hz includes a combination of Mode A and Mode C interrogations. Further, the overall interrogation rate of 18 Hz is the cap, not the minimum, on the interrogation rate required for the new mission.

At the same time, the new mission has a decreased need for primary volume interrogation which will be reduced from 120 degrees to 30 degrees through increased P2 suppression. Thus, 10 out