



U.S. Department
Of Homeland Security
Science and Technology Directorate,
Office of Research and Development,
Protection Branch

William J. Hughes Technical Center
Atlantic City Int'l Airport, New Jersey 08405

Subject: Improved Border Security, with the Detention and Possible Immobilization of Detainees, Using the Security Bracelet and ZATSS™

Dear Mr.

Our meeting on 18 July 2006 was of great interest and the concepts you proposed, would I believe, contribute significantly to a more secure US border.

I, and other technologists and project / program leads have completed our review of the data you provided, on the Security Bracelet and the concept of combining it with a mobile base read/ write emitter / interrogator station, creating a localized security area for the temporary detention of suspected illegal aliens and / or criminal elements.

In discussions with my colleagues and immediate superior, we find your ideas have merit and believe it would be of great help on the borders and indeed for anywhere else, for which the temporarily restraint of large numbers of individuals in open area environments by a small number of agents or Law Enforcement Officers (LEOs). We see the potential uses to include prisoner transportation, detainee control and the military security forces might have some interest. In addition, it is conceivable to envision a use to improve air security, on passenger planes.

The DHS and in some respect the TSA are both interested in border security in various forms and for differing reasons. As part of this interest; I am attempting to set up a program that would be inclusive of States, Customs, Border Patrol and other Federal and State Agencies to review various technologies for boarder protection. As explained in my previous letter we now have interest and the commitment of contiguous States from the Canadian to the Mexican border, as well as a number of other Federal and State Agencies to include LEOs. As I write, scheduling for the first meeting is taking place, and various State and other organizations will be reviewing their budgetary contribution potentials.

The intent is to try various technologies and, via the data fusion concept, ensure their intra-compatibility. I can foresee an opportunity for your combined system fitting into such a program. As an eminently achievable technology, which will leverage other technologies and help redress the imbalance of resources and manpower. In my view, at present, the most pressing lack of resources is the huge imbalance between the law enforcement agencies (manpower) and the very large numbers of illegal aliens crossing our largely open borders. We are hoping that technology such as yours can redress this imbalance.

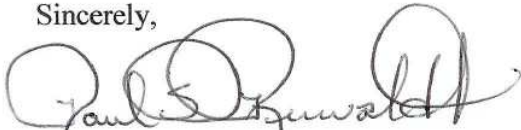
As mentioned, most of the organizing for this program / project will happen within the next month, so I hope budgets will be set shortly thereafter, and then I will then have a better idea on what we can do. I believe, once the extent of the funding is known and the budgets allocated, funding for the bracelet concept with the localized emitter / interrogator / restraint stations, will happen.

As part of this budgetary process, could you please provide me with a rough order of magnitude (ROM) estimates for the development of the system you described? In addition, assuming you were funded, could you please provide me an expected time frame / milestones as to when a prototype of such a system would be available for testing?

To make it clear, we are interested in the mobile read / write emitter concept in conjunction with the immobilizing security bracelet, and look forward to receiving a written proposal.

I look forward to your reply.

Sincerely,

A handwritten signature in black ink, appearing to read "Paul S. Ruwaldt". The signature is fluid and cursive, with a large initial "P" and "R".

Paul S. Ruwaldt
Project / Program Lead
Department of Homeland Security,
Science and Technology Directorate,
Office of Research and Development,
Protection Branch
William J. Hughes Technical Center
Atlantic City International Airport, NJ 08405
Telephone # - 609-813-2725
E-mail - paul.s.ruwaldtp@faa.gov
paul.ruwaldt@dhs.gov