

ATIC

Arizona Telecommunications and Information Council

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From: Oris Friesen

To: ATIC Board

Subject: DHS WIFI Status Report

Objectives

WI-VOD shall furnish IEEE 802.11x based TELECOMMUNICATIONS SERVICES (deliverables) that accomplish the following objectives:

Objective 1– Provide Tier-1 connected wireless hot spot (IEEE 802.11x based telecommunications) wireless services with high availability between designated points in the vicinity of Green Valley and Rio Rico in southern Arizona with mobile access for first responders.

Objective 2 – Deploy layered and scaled security and advanced applications to existing wireless environments for which WI-VOD is responsible.

Objective 3 – Deploy advanced applications, to existing wireless environments for which WI-VOD is responsible, which are capable of attracting commercial users and which can act to provide commercial viability for the continuation of these Tier-1 connected wireless hot spot wireless services for a time period beyond the term of the Contract.

Included Tasks

Task 1– Develop and Refine Conceptual Designs.

Develop and refine conceptual designs for providing wireless hot spot availability between designated points in the vicinity of Green Valley and Rio Rico in southern Arizona with mobile access for first responders. This task will be performed by WI-VOD with assistance from ATIC.

This task includes initial activities related to siting and making operational the antennas necessary to provide a wireless 30-mile corridor targeted to be up to one mile wide from Green Valley to Rio Rico.

▪ Major Activities

- Two site surveys conducted along the Green Valley - Rio Rico corridor
- Generated several topo maps of the corridor
- Prepared and distributed initial design spec of potential access points along the corridor

Task 2 – Verify Design, Assign Participants and Establish Evaluation Metrics.

Work with ATIC to verify design, assign participants, establish evaluation metrics and implement reporting and management processes and related activities with stakeholders (e.g., state agencies, first

responders, WI-VOD, ABLE and others). ATIC will engage community stakeholders to help ensure viability of the project after the grant expires.

- **Major Activities**

- Received oral commitment to participate from ADOT, DPS, OHS and GITA

Task 3 – Connect the Middle Mile to Vehicle Access Points.

Extend the connection from the Middle Mile and Internet access to the vehicle access points; not including the deployment of vehicle equipment. This task will be performed by WI-VOD.

The second part of this task includes the activities required to identify, make operational and deploy the vehicles to be used as mobile access points. This task will be performed by ATIC and affected stakeholders.

- **Major Activities**

- Engaged the Tubac and Rio Rico Fire Departments who are eager to participate

Task 4 – Add Layered and Scaled Security.

Add layered and scaled security and advanced applications to existing wireless environments for which WI-VOD is responsible. This task will be led by ATIC in conjunction with requirements defined by the stakeholders.

This task includes working with the appropriate IT personnel to allow for creation of VPNs if necessary and to provide for interagency communication.

Task 5 – Progress and Final Reports Against Project Goals and Requirements.

Report against project goals and requirements defined by ATIC regarding scalable security, self sustainability (commercial and governmental), system performance and conformance to project schedules and budget. This task will be performed by ATIC and stakeholders.

- **Major Activities**

- Submitted SF269 Report to OHS for no activity ending on October 31, 2004.

Task 6 – Establish Final Governance, Oversight Roles and Responsibilities

- **Major Activities**

- Received Purchase Order on November 22, 2004
- Two meetings and presentations to Public/Private Advisory Board
- A presentation to the South Region Advisory Council Meeting of the Office of Homeland Security at Casa Grande
- Developed a Project Plan with work assignments and schedules.
- Developed a contract between WI-VOD and ATIC, which is under review; some projected dates could be delayed somewhat until it is signed.

Task 7 -- Finish final Operational Roles and Responsibilities

Task 8 -- Operate and Maintain the Corridor

Task 9 -- On-Going Governance, Oversight and Reporting Activities

Time Frame

Work shall begin as soon as possible after the funding authorization date of September 17, 2004. **The date of completion is July 31, 2005.**

Schedule and Deliverables

1. Continuous access to the antennas placed along the 30-mile corridor
 - A. 3/1/2005 – 3/31/2005 -- 30% complete
 - B. 4/1/2005 – 4/15/2005 -- 60% complete;
 - C. 4/15/2005 – 4/30/2005 -- 100% complete
2. Mobile access points placed and operational
 - A. 3/1/2005 – 3/31/2005 -- 30% complete
 - B. 4/1/2005 – 4/15/2005 -- 60% complete;
 - C. 4/15/2005 – 4/30/2005 -- 100% complete
3. Timely reports as defined in the Project Plan pertaining to the requirements in Task 5 above.

Gantt Chart