

Appendix H

Past Studies and Reports

There were five prior studies that were provided to Federal Engineering to be included in the development of the overall PSMC Plan:

[Quantum Communications](#) - May 24, 1999

[RSM McGladrey](#) - August 16, 2000

[Motorola Corporation](#) - September 4, 2000

[Wireless Business Case Strategy – State of Wyoming](#) - June 14, 2002

[PSWN Interoperability Conference Report](#) - December 2002

These studies are available on the WyoLink web site: <http://WyoLink.state.wy.us>

In the appropriate subsections of the Assessment Phase I report, Sections 1 through 4, comparisons with the findings and requirements identified by **FE** are made with the comparable findings and requirements identified by each of these studies.

The following summary text regarding the first four studies is provided from the Request For Proposals (RFP) to develop a statewide PSMC plan, dated June 17, 2002. For ease of reference, the paragraph headings are those from the RFP.

1.2 Background

Wyoming has recognized the potential benefits of implementing improved mobile communications technologies on the State's public safety infrastructure for some time. Much analysis and justification was done in preparation for this comprehensive and updated planning effort.

1.2.1 User Group Recommendation

On February 20, 1997, a meeting was called by WYAPCO and the SALECS Commission to form a user group to develop a Public Safety Mobile Communications Plan for the State of Wyoming. This meeting was attended by representatives from around the state, who called themselves the User Group. The following items were decided.

1. A task force would design a detailed user survey, to be used by county area representatives to collect information.
2. A representative from each county would be responsible for exchanging information with users in their area.
3. SALECS, WYAPCO and the Chairman would develop and compile information and materials for a packet to be used by all county and agency representatives to insure uniformity of information distributed.
4. Technical, Oversight, Political and Funding committees would be developed.
5. The User Group's work and the communications plan would be completed by August 1997.

Over 220 surveys (70%) were returned. The Technical Committee compiled the surveys and set about the following tasks.

1. Define the purpose of an integrated communications system.
2. Identify potential user groups, agencies and departments.
3. Recommend capabilities of the proposed system.
4. Recommend type or technology of the proposed system.

5. Recommend geographic coverage requirements.
6. Recommend hardware requirements.
7. Recommend system maintenance and management requirements.

In August 1997, the Technical Committee recommended a system and made an order of magnitude cost estimate.

1.2.2 Consultant Analysis of Statewide Telecommunications (May 1999)

WYDOT contracted with a telecommunications consulting company to review the work of the User Group and Technical Committee. The independent consultant found that the State of Wyoming needed to immediately begin an inventory and planning assessment update to include all interested cities, counties, state and federal agencies. This would include a detailed list of user needs. In addition, the consultant recommended that the users and the State launch a public awareness campaign to ensure understanding of public safety community needs and how resolving those needs will benefit the public.

1.2.3 Consultant Report on State Public Safety Wireless Network (August 2000)

In 1999, Governor Geringer had conversations with the county commissioners and mayors with respect to upgrading the State's public safety communications. The Office of Information Planning and Coordination subsequently tasked an independent consultant to provide a situation report regarding public safety radio communications in Wyoming. Interviews were conducted around the state. On August 16, 2000, the report was presented in Microsoft PowerPoint® format, including these seven final points:

1. Identify accurate budgetary costs.
2. Develop a plan for a governing and control board.
3. Develop information on potential funding sources.
4. Continue to pursue partnership possibilities.
5. Obtain participation commitments.
6. Develop a draft RFP based on the results of an engineering study.
7. Prepare a comprehensive plan for the legislature.

1.2.4 Business Case Analysis For Statewide Wireless Network (September 2000)

As a consequence of the meetings and interviews that were conducted for the *Report on State Public Safety Wireless Network*, it was determined that an RFP would be out of the question without a financial commitment from the State. However, the Office of Information Planning and Coordination contracted with an experienced public safety radio manufacturer to conduct a business case analysis.

The resulting business case analysis used the analysts' first hand knowledge of existing county and municipal public safety communications systems and information provided by the Wyoming DOT Telecommunications Program. The report showed how upgrading the existing infrastructure would fit within the Governor's stated goals. Three alternatives with estimated costs and time lines were provided.

1.2.5 Pre-qualification

Statement of Interest solicitations went out in mid-January in several forums, requiring replies by February 18, 2002. Eight vendors were pre-qualified February 21, 2002, to submit a proposal.

1.2.6 Wireless Business Case Strategy - State of Wyoming (June 2002)

A consultant team sponsored by the federal Public Safety Wireless Network initiative (PSWN: see terms and definitions) visited Wyoming in January 2002. They assessed what Wyoming needs in a public

safety mobile communications plan, to overcome the roadblocks to funding such a large project. The PSWN team used the information gathered in a broad-based series of meetings and interviews to recommend a strategy for the public safety mobile communications planning effort. The resulting June 2002 report endeavors to provide:

1. A clear purpose and need for developing a comprehensive business case for a new statewide system.
2. A detailed process for gathering and analyzing input from stakeholders that influence the funding process.
3. A methodology for developing each core component of a business case.
4. Guidance and recommendations on how to market the business case to influential audiences.
5. Relevant examples on how to perform each part of the strategy, developed from data gathered in Wyoming.
6. A listing of the systems planning tasks that must be documented and explained to critical stakeholders.