

M I N U T E S

E911 - Emergency Telephone Service Authority Board

April 12, 1984

The following are the minutes of the E911 Emergency Telephone Service Authority Board, held in the Jefferson County Commissioners' Conference Room, 1700 Arapahoe Street, Golden, Colorado. Present for the meeting were:

Director Robert Shriver  
Director Alf Gizzo  
Director Will Burt  
Director Marjorie E. Clement  
Director Ruth Maurer, Chairman

Director Maurer, Chairman, called the meeting to order at 5:30 P.M.

MINUTES

Director Gizzo moved that the minutes of April 4, 1984 be approved as presented. The motion was duly seconded by Director Shriver and carried by unanimous vote.

MEETING DATE

The next meeting of the E911 Emergency Telephone Service Authority is April 26, 1984 at the hour of 5:00 P.M.

OLD BUSINESS

Director Maurer stated she was unable to contact Rob Deu Pree of the technical committee in that he is out of town until June 1.

LIABILITY INSURANCE AND BONDING OF AUTHORITY BOARD MEMBERS

Legal Counsel, George Theophilos, reported to the Authority Board that he has not received any response from the insurance agent regarding liability insurance and bonding of the Authority Board Members. He will report to the Authority Board concerning same at the next meeting.

BY-LAWS

Following a general discussion, Director Clement moved for the adoption of the by-laws as submitted on April 12, 1984, subject to the additions and/or corrections. The motion was seconded by Director Burt

and upon roll call, the vote was as follows:

Director Marjorie E. Clement	- "Aye";
Director Will Burt	- "Aye";
Director Alfred Gizzo	- "Aye";
Director Robert Shriver	- "Aye";
Director Ruth Maurer, Chairman	- "Aye":

the motion was carried by unanimous vote.

#### NEW BUSINESS

Director Maurer introduced Jim Haberer of Mountain Bell and a member of the technical committee. Mr. Haberer gave a presentation on the operation of the Enhanced 911 System. He submitted a technical diagram of the equipment located at the various customer premises which includes the Public Safety Answering Point (PSAP); the Automatic Call Distributor (ACD) and the Key Telephone System (KTS), and considered as voice equipment.

A decision has been reached by Mountain Bell that other non-voice equipment located on the premises such as the E911 equipment including the Automatic Number Identification (ANI) Master Control equipment which interfaces with the Automatic Number display and selector console and the automatic location multiplexer and display equipment will be provided by Mountain Bell. Mountain Bell will own, install and maintain the equipment to insure the integrity of the system and type of service needed in this type of environment.

The control office will be equipped to provide selective routing. Part of the selective routing program is also the selective transfer capability of the Enhanced 911 System and will be the local office.

The Data Management System (DMS) computer and address file computer will be located within the Mountain Bell territory which includes seven states. Two functions of the computers is to update the local control office and provide address information. Transfer of information to the center will be by wire line.

The voice equipment is owned by ATT Information Systems and would be relatively easy to change one or two instruments to provide additional capacity required to support the E911 System.

A possible time frame was discussed for the negotiation of a contract agreement with Mountain Bell for equipment for the E911 System. The tentative date agreed upon was sometime in the month

of June.

Following agreement of the Contract, it will be necessary for all entities involved to adopt ordinances and resolutions to pass the charges on to the subscribers. Target date is approximate July 15, 1984.

Revised Cost Projections for E911 System for Jefferson County presented by Mr. Haberer is on file with the secretary.

Mr. Haberer requested that he be involved in the meetings of the E911 Authority Board. He stated he will send a sample copy of a contract to legal counsel within the next week. Mr. Haberer left the meeting early because of another meeting.

NEW BUSINESS

Discussion was held regarding guidelines for the preparation of a budget for this Authority Board. A further discussion will be held at the April 26th meeting and to be placed on the agenda.

The possibility of field trips to visit already existing and operating E911 Systems was discussed. Mountain Bell will be approached for funding of these trips.

Director Gizzo agreed to make calls to other E911 Systems regarding the operation of their system.

Director Maurer will contact Mr. Haberer regarding a film presentation on the operation of the E911 Systems for view at the next scheduled meeting.

The possible appointment of a lead negotiator to assist legal counsel in the negotiations of a Contract Agreement was tabled until such time as legal counsel has had an opportunity to review a sample agreement.

ADJOURNMENT

There being no further business to come before this Board, the meeting was adjourned at 7:00 P.M.

  
Chairman

ATTEST:

  
Secretary

M I N U T E S

E911 - Emergency Telephone Service Authority Board

April 26, 1984

The Board of Directors of the E911 - Emergency Telephone Service Authority Board met in the Commissioners' Conference Room, Jefferson County Courthouse, 1700 Arapahoe Street, Golden, Colorado. Present for the meeting were the following members:

Director Ruth Maurer, Chairman  
Director Alf Gizzo  
Director Robert Shriver  
Director Will Burt  
George Theophilos, Assistant County Attorney  
Jim Haberer, Mountain Bell

Director Marjorie E. Clement was absent.

Director Maurer, Chairman, called the meeting to order at 5:00 P.M.

MINUTES

Director Gizzo moved that the minutes of April 12, 1984 be accepted. The motion was seconded by Director Shriver and carried by unanimous vote.

MEETING DATE

The next meeting date of the E911 Emergency Telephone Service Authority Board is scheduled for May 3, 1984 at 5:30 P.M., the first hour to be in executive session.

OLD BUSINESS

George Theophilos, Assistant County Attorney, reported to the Board that a sample contract for the service of the E911 System is not available from Mountain Bell.

Mr. Theophilos also reported to the Board that he has received estimates on insurance coverage for the E911 Emergency Authority Board from Mr. Bart Hegarty, County Insurance Agent. A memorandum was distributed on the subject.

Mr. Hegarty emphasized these quotes were rough estimates. Mr. Hegarty extended the offer to meet with the authority Board at its convenience to answer questions the Board might have regarding insurance and/or bonds.

Chairman Maurer proposed that funding for the premiums of the coverage be included in the proposed budget to be prepared by the Board.

REPORT ON OTHER E911 SYSTEMS - Director Alf Gizzo

Director Gizzo reported to the Board regarding his contact with existing and operating E911 Systems.

Director Gizzo contacted Russell J. Sinkler, PSAP Manager for the largest PSAP in the Minneapolis-St. Paul area, and Dick Miller, Executive Director of the multi-countywide E911 System. Mr. Sinkler stated that as far as the system working in the area, it is extremely reliable and they have had very few problems. Mr. Miller stated that most of the negotiations with the contracts and tariffs were handled by lawyers for Northwestern Bell. There were numerous technical problems that arose during the installation of the system, none of which were insurmountable and were handled on a weekly basis.

Director Gizzo also contacted Mr. Len Raab, Costa Mesa, California (Orange County) who stated that some of the problems faced were occasional breakdowns in the system; the inability to locate calls and the routing of calls through the wrong PSAP operator. The customer is responsible for the data base and for all addresses on all phone locations. He cited an example of the problem of people moving from one jurisdiction to another, retaining their original phone number, but the data base is not updated, thereby making the information through the data base incorrect.

Director Gizzo stated he has copies of publications of articles published by APCO & Associations regarding E911, which contains information that may be useful to the Board in its planning of goals and objectives. He will submit copies of those articles to the Authority Board at the next meeting.

Mr. Jim Haberer, Mountain Bell representative, stated he would provide copies of an implementation guideline used by Minneapolis.

NEW BUSINESS

Mr. Haberer gave a film presentation on the E911 System as it is operated in Dade County, Florida.

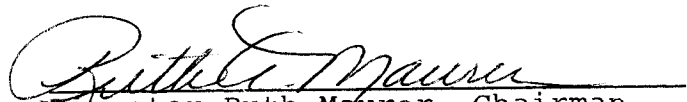
Following the film presentation, the Board discussed a proposed trip to Minneapolis, Minnesota to view their E911 System in operation.

Minutes of April 26, 1984  
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Tentative plans call for the Board to leave Stapleton Airport from the "Ports of Call" area on May 11, 1984 at 6:30 A.M. and return to Denver at approximately 5:30 P.M.

ADJOURNMENT

Director Gizzo moved that the meeting be adjourned. Motion was carried by unanimous vote. The meeting adjourned at 6:21 P.M.

  
Director Ruth Maurer, Chairman

ATTEST:

  
Will Burt, Secretary

M I N U T E S

E911 - Emergency Telephone Service Authority Board

May 3, 1984

The Board of Directors of the E911 - Emergency Telephone Service Authority Board met in the Commissioners' Conference Room, Jefferson County Courthouse, 1700 Arapahoe Street, Golden, Colorado. Following the roll call, the following members were present:

Director Alf Gizzo  
Director Robert Shriver  
Director Will Burt  
Director Marjorie E. Clement  
Director Ruth Maurer, Chairman

Staff: George Theophilos, Assistant County Attorney

Director Maurer, Chairman, called the meeting to order at 5:30 P.M.

MINUTES

Director Burt moved that the minutes of April 26, 1984 be approved as printed. The motion was seconded by Director Gizzo and carried by unanimous vote.

MEETING DATE

The next meeting is scheduled for May 17, 1984 at 5:30 P.M.

OLD BUSINESS


Preparations for the trip to Minneapolis, Minnesota have been finalized. The Board will meet at Stapleton Airport on May 11, 1984 at 6:15 A.M.; leave at 6:30 A.M. and return to Denver at approximately 5:30 P.M.

NEW BUSINESS

The Board met in executive session.

ADJOURNMENT

There being no further business to come before this Board, Director Shriver moved that the meeting be adjourned. The motion was seconded by Director Clement and carried by unanimous vote.

  
Director Ruth Maurer, Chairman

ATTEST

  
Secretary

M I N U T E S

E911 - Emergency Telephone Service Authority Board

May 17, 1984

The Board of Directors of the E911 - Emergency Telephone Service Authority Board met in the Commissioners Conference Room, Jefferson County Courthouse, 1700 Arapahoe Street, Golden, Colorado.

Following the roll call, the following members were present:

Director Alf Gizzo  
Director Robert Shriver  
Director Marjorie E. Clement  
Director Will Burt, arrived after roll call  
Director Ruth A. Maurer, Chairman

George Theophilos, Assistant County Attorney  
Jim Haberer, Mountain Bell  
Eleanor V. Martin, Clerk to the Board

Director Maurer, Chairman, called the meeting to order at 5:30 P.M.

MINUTES

Director Clement moved that the minutes of May 3, 1984 be approved as published. The motion was seconded by Director Shriver and carried by unanimous vote.

MEETING DATE

The next meeting is scheduled for May 24, 1984 at 5:30 P.M.

OLD BUSINESS

George Theophilos, Assistant County Attorney, reported to the Board that Steve O'Brien, Jefferson County Facilities Department, is available to speak to the Board in providing technical input regarding the E911 system.

NEW BUSINESS

A discussion was held regarding the appointment of a Public Safety Answering Point (PSA) Managers Committee, with representatives from the Arvada Fire Protection District; Arvada Police Department; Golden Fire Protection District; Jefferson County Sheriff's Department; Lakewood Police Department; Lakewood Fire Protection District; Broomfield Police Department; Westminster Police Department and

Wheat Ridge Police Department. Letters prepared by the Chairman will be sent to the City Managers, the Fire Protection Districts and the Sheriff's Department requesting the appointment of representatives to the PSAP Managers Committee.

*in which  
PSAPs will  
be located*

Letters of appreciation will be sent to the personnel at the Bell System at the Minneapolis Communications Center for the considerations extended to the Board during their visit to the Center.

Director Gizzo will contact John Wilder<sup>ing</sup>, Critical Communications, for information with regard to their capabilities for E911 type system and/or equipment.

It has been proposed that Mr. Theophilos meet with Jim Haberer to discuss some of the primary concerns regarding the tariff and for the purposes of moving toward an agreement between Mountain Bell and the Board.

At the meeting of the Board on May 24th, discussion will be held concerning the responsibilities of the PSAP Managers Committee.

Following the appointment of the PSAP Managers Committee, the Board will hold a joint meeting with the Committee on June 7, 1984 at the hour of 5:30 P.M.

ADJOURNMENT

There being no further business to come before this Board, Director Gizzo moved that the meeting be adjourned. The meeting adjourned at 6:30 P.M.

  
Dr. Ruth A. Maurer, Chairman

ATTEST:

  
Will Burt, Secretary

M I N U T E S

E911 - Emergency Telephone Service Authority Board

May 24, 1984

The Board of Directors of the E911 - Emergency Telephone Service Authority Board met in the Commissioners' Conference Room, Jefferson County Courthouse, 1700 Arapahoe, Golden, Colorado on Thursday, May 17, 1984. Following the roll call, the following members were present:

Director Ruth A. Maurer, Chairman  
Director Alf Gizzo  
Director Robert Shriver  
Cile Pace, Assistant County Attorney  
Eleanor Martin, Deputy Clerk to the Board  
Jim Haberer, Mountain Bell

Directors Will Burt and Marjorie E. Clement, were absent.

Director Maurer, Chairman, called the meeting to order.

MINUTES

Director Gizzo moved that the minutes of May 17, 1984 be accepted with the corrections noted. The motion was seconded by Director Shriver and carried by unanimous vote of the members present.

OLD BUSINESS

Director Gizzo reported to the Board regarding his contact with John Wilding of Critical Communications. Copies of a letter addressed to Director Gizzo, signed by Mr. Wilding, were distributed to each Board member and a copy is on file with the secretary. The letter addressed the request from Director Gizzo for alternatives for the provision of the customer premise equipment for the Planned Enhanced 911 system for Jefferson County. The letter provides a brief background of Critical Communications.

Further information states that the product lines that are available through Critical Communications are telephone and radio equipment, call distributing systems, recordings, head set equipment, the different brand names of equipment that can be used in the various locations.

Mr. Jim Haberer, Mountain Bell, stated that according to House Bill 1240, that if the equipment is not provided by Mountain Bell, whether

tariffed or non-tariffed, legislation would not permit Mountain Bell to pass the cost of that PSAP equipment on to the subscriber within a given area. However, if equipment is purchased or leased from Mountain Bell, the cost of the hardware will be covered in the PSAP's using ANI and ALI.

Charges to pay the installation cost and directly related cost of the continued operation of the emergency telephone system or service can be passed to the subscriber via the surcharge according to the rates and schedules file with Public Utilities Commission. At the present time, Mountain Bell has no installation force and is not providing premise equipment.

The Board is receptive to Director Gizzo's recommendation that the Board listen to a presentation by Mr. Wilding. Director Gizzo will contact Mr. Wilding requesting that he speak to the Board on June 14th.

Directors Shriver and Gizzo volunteered to check references of Critical Communications as listed by Mr. Wilding.

Mr. Haberer will provide a copy of the New York State 911 tariff, and contact Mr. Jeff Hinshaw of Rochester, New York regarding information on their E911 system.

Discussion was held concerning the proposed budget for the next fiscal year. It was decided that since the expenses are as yet unknown, the budget preparation should be delayed to June 15th.

Thereupon, Director Gizzo moved that Article 7, Section 1, of the by-laws be suspended from June 1 to June 15, said Article 7, Section 1 of the by-laws pertaining to the operating budget and work program. The motion was seconded by Director Shriver and carried by unanimous vote of the members present.

The next meeting of the Board is scheduled for June 4th at 5:30 P.M., at which time the Board will meet with the PSAP Managers Committee for an update on the Board's activities; briefing on the trip to Minneapolis; the designation of a PSAP member as a technical contact for Jim Haberer, Mountain Bell, on an on-going basis through the installation of the system. Also to be discussed is the Board's expectations of the PSAP Managers Committee which includes the drawing up of a call-handling agreement; designation of an emergency service zone; verifying the MSAG listing and hardware recommendations for individual centers.

Mr. Haberer reported that he and George Theophilos, Assistant County Attorney had met to discuss the tariff, specifically the A-2, general regulations, conditions of offering and service liabilities. Mr.

Haberer stated that Mountain Bell's legal counsel is of the opinion that the tariff states what is intended, and after reviewing the intergovernmental agreement, sees no problem with the Authority Board executing the contract with Mountain Bell for the Enhanced 911 system. The Board will discuss the matter further with Mr. Theophilos.

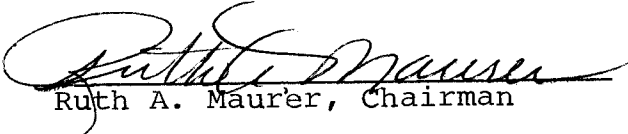
Director Gizzo was designated as liaison between the PSAP Managers Committee and the Authority Board.

Director Gizzo informed the Board that Rob Deu Pree who was instrumental in the efforts of the 911 system is leaving the state. Director Gizzo suggested that the Board officially recognize his contributions to the E911 Emergency Telephone Service to the County. A letter of appreciation will be prepared by the Chairman and to be signed by all members of the Board.

The Clerk will look into the ordering of letterhead stationery.

ADJOURNMENT

There being no further business to come before this Board, the meeting was adjourned at 6:47 P.M.

  
Ruth A. Maurer, Chairman

ATTEST:

  
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Will Burt, Secretary

M I N U T E S

E911 - Emergency Telephone Service Authority Board

June 7, 1984

The Board of Directors of the E911 - Emergency Telephone Service Authority Board met in the Commissioners' Conference Room, Jefferson County Courthouse, 1700 Arapahoe Street, Golden, Colorado on Thursday, June 7, 1984. Following the roll call, the following members were present:

Chairman Ruth A. Maurer  
Director Will Burt  
Director Alf Gizzo  
Director Robert Shriver  
George Theophilos, Assistant County Attorney

Alice Sweeney, Broomfield Police Department  
Ed Ray, Wheat Ridge Police Department  
Lynn Rowe, Westminster Police Department  
Bill Goldsberry, Lakewood Fire Department  
John Miller, Lakewood Department of Public Safety  
Nancy Hilty, Lakewood Fire Department  
Randy Smith, Jefferson County Sheriff's Department  
Erv Noorlun, Golden Police Department  
Jim Haberer, Mountain Bell

ABSENT:

Director Marjorie E. Clement, County Commissioner  
Lt. Fred Ballou, Arvada Police Department  
Dean Smith, Arvada Fire Department

Director Maurer, Chairman, call the meeting to order at 5:30 p.m.

MINUTES

Minutes of May 24, 1984 were tabled until next meeting.

MEETING DATE

The Next scheduled meeting date is June 14, 1984 at 5:30 P.M.

OLD BUSINESS

UPDATE

Director Maurer, Chairman, brought the PSAP Managers up to date on the progress of the E911 Authority Board's activities relative to the emergency telephone service. The Board has talked with Jim Haberer, Mountain Bell, regarding the equipment needed for the system and what kind of services can be provided by Mountain Bell.

Mountain Bell Telephone Company flew the members of the Board by company plane to Minneapolis, Minnesota on May 11, 1984 to view their existing and operating E911 System. They talked to many people in the Minneapolis area and found it very reassuring in that they were made aware of what is their purpose as the Authority Board.

Director Burt stated that during the visit to Minneapolis, a recommendation was made that the technical managers get together as soon as possible to start working together.

Director Shriver added that to see the system in operation was very enlightening; that the system works fast and is thorough, and one can't help but be impressed. He stated he was anxious to see the operation started in Jefferson County.

Discussion was held with Attorney George Theophilos, Assistant County Attorney regarding the tariff that has been approved by the Public Utilities Commission and same will be discussed at a later date.

#### OLD BUSINESS

Randy Smith, Communication Supervisor, Jefferson County Sheriff's Department, was appointed the PSAP Managers technical contact between Jim Haberer, Mountain Bell, and the PSAP Managers.

#### DUTIES OF PSAP MANAGERS

The duties of the PSAP Managers Committee will be to draw up a call handling agreement. George Theophilos, Attorney, stated he would be happy to work out the language of the agreement to everyone's satisfaction.

It is not certain who will provide the hardware, but it will also be the duty of PSAP Managers to recommend the hardware for the individual centers. Other duties will include the defining of the emergency service zones. These emergency service zones, as described by Mr. Haberer, is that the E911 system is a software driven system. The selective routing is based upon a master street guide and is the heart of the system. A complete listing for the areas to be served can be provided by Mountain Bell within 30 days after a contract is signed by the County for the service.

The PSAP Managers Committee would identify those areas in their respective departments and be responsible for the various emergency services zones that will be placed into the data base. They will define the routing of the calls; determine where a call would be alternately routed if the primary location is busy. A number will be assigned to each of these various zones that are identified and upon that basis, the call will be routed. If selectively transferred, it is also based upon this data.

Default routing is basically routine wherein the call will be routed on the basis of the trunk group over which the call is received. Mr. Haberer emphasized that the roll of the PSAP Managers in the design of the system is very, very important.

Randy Smith stated he would check with the Assessor's Tax Code already existing in the County MIS Computer System which would be a good basis for starting work on the address system. The emergency service zone is closely related to the master street address guide and it will be the function of each of the PSAP Managers to make certain that the MSAG is correct for a particular PSAP location.

Director Maurer announced that John Wilding of Critical Communications will be speaking to the Board on June 14, 1984 regarding their equipment for the E911 system. The members of the PSAP Managers Committee were invited to attend.

Director Maurer announced that John Wilding of Critical Communications will be speaking to the Board on June 14, 1984 regarding their equipment for the E911 system. The members of the PSAP Managers Committee were invited to attend.

Director Maurer stated she has received a letter from Bristlecone Telemarketing Inc., stating that J. L. French & Associates, an independent telecommunications consulting firm and a division of Bristlecone, is offering the organization a complete and objective analysis of the various emergency reporting products and services now on the market. A listed description of the services offered is enclosed with the letter, and is on file with the secretary.

Director Maurer requested that the PSAP Managers Committee research the matter of what types of equipment are needed for the various PSAP Centers; who will supply the equipment and the cost of the equipment.

As to the problem that might be caused for the interfacing of computers due to the possibility of the use of different kinds of computers, Mr. Haberer explained that the system can basically be broken into two component parts; the voice and the non-voice. The non-voice is the automatic number identification control equipment. The ANI, ALI Control units and the selector consoles will have to remain very standardized. Mr. Haberer stated he hoped that Mountain Bell will be in a position to provide that equipment in order to meet the various needs of the individual communications center and yet make it compatible with the overall 911 configuration. The non-voice is subject to specifications set down by the network which is the driving force behind the E911 system. Any premises equipment selected has to be compatible. The voice equipment is immaterial and fairly standard and does not present any particular problems.

Discussion was held concerning the probable date for signing of the contract, the date being previously designated as August 1, 1984. However, due to the fact that it will be time consuming with each entity signing the contracts separately, the signing of the contracts might be delayed until October 1, 1984.

THE PSAP Managers Committee will meet Friday, June 15, 1984 in the County Attorney's Conference Room at 2:00 p.m.

ADJOURNMENT

There being no further business to come before this Board, the meeting was adjourned.

Ruth A. Maurer, Chairman

A handwritten signature in cursive script, reading "Ruth A. Maurer", written over a horizontal line.

ATTEST:

A handwritten signature in cursive script, reading "Will Burt", written over a horizontal line.  
Will Burt, Secretary

M I N U T E S

E911 - Emergency Telephone Service Authority Board

June 14, 1984

The Board of Directors of the E911 - Emergency Telephone Service Authority Board met in the Commissioners' Conference Room, Jefferson County Courthouse, 1700 Arapahoe Street, Golden, Colorado on Thursday, June 14, 1984. The following members were present for the roll call:

Chairman, Ruth A. Maurer  
Director Alf Gizzo  
Director Will Burt.

George Theophilos, Assistant County Attorney

Lynn Rowe, Westminster Police Dept.  
Fred W. Ballou, Arvada Police Dept.  
John Miller, Lakewood Public Safety  
Alice Sweeney, Broomfield Police Dept.  
Ed Ray, Wheat Ridge Police Dept.  
Erv Noorlun, Golden Police Dept.  
Jim Haberer, Mountain Bell  
Randy Smith, Jefferson County Sheriff's Dept  
Ken White, Critical Communications Systems  
John Wilding, Critical Communications Systems

ABSENT:

Director Marjorie E. Clement, County Commissioner  
Director Robert Shriver

Director Ruth Maurer, Chairman, called the meeting to order at 5:30 p.m.

MINUTES

Minutes of May 24, and June 7, 1984 meetings were tabled for reading until next meeting.

MEETING DATE

The next scheduled meeting date is June 28, 1984 at 5:30 p.m.

UPDATE

Chairman Ruth Maurer introduced Mr. John S. Wilding from Critical Communications to make a presentation and inform the Board what he could do for them. Critical Communication was formed about a year ago out of the divestiture of Mountain Bell to work primarily in the public safety emergency response market in providing terminal equipment. Mr. Wilding also introduced Mr. Ken White, Vice President and Project Manager on the Tucson, Arizona E911 system. It was discussed that Tucson opted to purchase their equipment rather than rent it forever, with the purchase they only have monthly charges on the

lines. It was discussed as to what alternatives there is within the Enhanced 911 environment. Western Electric is more expensive, but has reliability. Other sources will have features offered through Western Electric and the Bell System, but it was pointed out that any voice telephone terminal equipment technology on the market today will handle the voice communications in an Enhanced 911 environment. From their information it was noted that the selective routing is coming from the central office, either the MSAG or the MSAG Computer is reading a number, but you can't hit a button and send that call to the appropriate dispatch agency for an automatic call transfer. The reason it would not, is that as opposed to having a data base that is stored in a main frame, it is housed in a Winchester Drive CPU in the PSAP premises. There was also discussion of how House Bill 1240 should be changed and the financial reasons for requesting changes. At this time Mountain Bell, in order to offer any equipment at all, must go into a tariffing situation, but they would like to have this re-examined and offer the premise gear on a non-tariffed basis, the cost to provide bases.

Mr. Wilding discussed the systems designed for Tucson and Phoenix.

Mr. White discussed that the alternative to the AT & T Technology is Western Electric and stated that is now being installed in the Rochester area. He also stated he wanted to make the Board aware of the fact that there are alternatives to paying rent ad infinitum and wished to make them cognizant of assistance in developing the bid specification and that that alternative is available.

Mr. White also discussed the features of the New York Tele. It was the general consensus of those present that House Bill 1240 would need to be amended because of the tariff.

Lynn Rowe then passed on some information that he had received from Ron Vegemast, former Senior Communications Consulting Engineer of firm of Michard, Cooley, Hallberg and Erickson of Minneapolis. They put together the system for Minneapolis, were involved in Clark County Nevada and other E911 systems. He now has his own firm of Ron Vegemast Engineering. Mr. Vegemast offered to speak before this group on June 28 at 5:30 p.m.

#### OLD BUSINESS

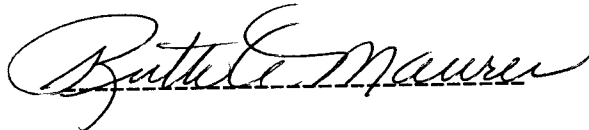
Discussion on budgeting for a technical consultant. Moved by Director Gizzo, seconded by Burt that Article 7, Section 1 of the ByLaws be suspended from June 15th to August 1, said Article 7, Section 1 pertaining to the operating budget and work program. The motion was carried by unanimous vote.

Mutual Aid Agreements and discussion on data basing meeting will be June 15 at 2 p.m. in the County Attorney's Conference Room.

ADJOURNMENT

There being no further business to come before this Board, the meeting was adjourned.

Ruth A. Maurer,  
Chairman

A handwritten signature in cursive script that reads "Ruth A. Maurer". The signature is written over a horizontal dashed line.

ATTEST:

A handwritten signature in cursive script that reads "Will Burt". The signature is written over a horizontal dashed line.

Will Burt, Secretary

M I N U T E S

911 - Emergency Telephone Service Authority Board

June 28, 1984

The Board of Directors of the E911 - Emergency Telephone Service Authority Board met in the Commissioners' Conference Room, Jefferson County Courthouse, Golden, Colorado on Thursday, June 28, 1984. The following members were present for the roll call:

Director Ruth A. Maurer, Chairman  
Director Alf Gizzo  
Director Marjorie E. Clement  
Director Bob Shriver  
Director Will Burt

~~George Theophilos, Assistant County Attorney~~

Nancy Hilty, Lakewood Fire Department  
Bill Brophy, Broomfield Department of Public Safety  
Lynn Rowe, Westminster Police Department  
Randy Smith, Jefferson County Sheriff's Department  
Erv Noorlun, Golden Police Department

Director Ruth A. Maurer, Chairman, called the meeting to order at 5:30 P.M.

MINUTES

Director Gizzo moved that the minutes of May 24, 1984 be accepted. The motion was seconded by Director Shriver and adopted by majority vote with Directors Clement and Burt not voting, due to absence from the meeting.

Director Gizzo moved that the minutes of June 7, 1984 be accepted. The motion was seconded by Director Shriver and adopted by majority vote with Director Clement not voting, due to absence from the meeting.

Director Gizzo moved that the minutes of June 14, 1984 be accepted. The motion was seconded by Director Burt and adopted by majority vote with Director Clement not voting, due to absence from the meeting.

MEETING DATE

The next meeting date is scheduled for July 5, 1984.

Mr. Lynn Rowe, of the PSAP Managers Committee, introduced Ron Vegemast of Ron Vegemast Engineering, Inc. St. Louis Park, Minnesota.

Mr. Vegemast is presently a consulting engineer with a degree in electrical engineering, communications option, and for the past 14 years has been doing consulting engineering in the field of communications system with the most of his work being with government work, in public safety. He has worked with over 125 county 911 systems, including 11 counties that have E911. These include the City of Rochester, in the County of Monroe, New York and Clark County, Nevada, which includes Las Vegas. Two others involved the C80 system for Albuquerque, New Mexico and Fresno, California.

Mr. Vegemast stated that his work covers a range of service that begins with initial system planning, which is a direction study. It is a detailed engineering study involving traffic engineering; studies to determine how many trunks are required to perform a certain grade of service. The next step is a design phase and in the case of 911 systems, is the development of a technical specification which is a requirement specification, or a list of requirements as to what grade of service the system can provide; the number of trunks between locations. The answering equipment must have certain capabilities and have access to these features.

Mr. Vegemast stated he has the ability to do a network design based on two grades of service to demonstrate what the differences are and using a rate per trunk for carrying in information, and to determine the cost and kind of services anticipated.

Mr. Vegemast also stated that in all of the telephone 911 systems, that are in place where there is an ALI, all of the ALI is provided by the telephone company. He cited that the system worked out in Clark County, Nevada wherein the Centele Company of Nevada has agreed to provide the location information for all telephones in the 911 service area and to provide daily updates. When they update their directors' system file, a tape will be made showing the location corresponding to a telephone number so that the ALI file can be updated. In this way, the ALI feature can be made available at a much lower cost than if the telephone company were to put in a stand alone computer system.

When questioned by Director Burt as to the time frame necessary to reach the final design of the system, Mr. Vegemast replied that it would take time due to the many options involved and should be explored. There are many different kinds of answering equipment that might be applicable. There has been some discussion about potential for computer rated dispatch.

One option to be looked at is the interface to the CAD system so that the ANI and ALI information might be displayed in the CAD.

Following the presentation, Director Maurer extended the Board's appreciation to Mr. Vegemast.

A discussion was held regarding a proposed budget. The necessary budget items includes office supplies, long distance telephone calls, travel and possibly the hiring of a technician.

Director Maurer stated she contacted Larry Reams, Budget Administrator, and was informed that if it is necessary to hire a consultant, the funds should be budgeted. However, Mr. Reams also stated there are many in-house expertise in the County who are available. Director Maurer assured Mr. Reams that a consultant would not be hired unless the consultant could provide advice that the in-house expertise, already available through the PSAP Managers Committee, could not provide.

The letterhead for the Authority Board was presented and with a few minor changes was approved. The clerk was directed to order same.

#### PSAP MANAGERS COMMITTEE

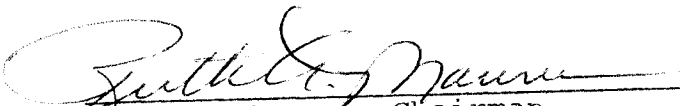
Randy Smith, informed the Board that due to vacations, the PSAP Managers will not be meeting until August 3, 1984 at 2:30 P.M in the Sheriff's Assembly Room.

#### TARIFF


Director Gizzo moved that the Assistant County Attorney for the Board be directed to contact attorneys retained by the Public Utilities Commission to determine that the Section pertaining to reducing liability is the same as it is in all other sections for the phone systems now in existence for all calls coming in on 0211 for the County and other jurisdictions; those Sections of the tariff already in place and no different than any of the other telephone service now received by the municipalities and the County. The motion was seconded by Director Gizzo and carried by unanimous vote.

#### ADJOURNMENT

Director Burt moved that the meeting be adjourned. The motion was seconded by Director Clement and carried by unanimous vote. The meeting adjourned at 6:55 P.M.

  
Ruth A. Maurer, Chairman

ATTEST:

  
Will Burt, Secretary

M I N U T E S

911 - Emergency Telephone Service Authority Board

July 5, 1984

The Board of Directors of the E911 - Emergency Telephone Service Authority Board, met in the Commissioners' Conference Room, Jefferson County Courthouse, Golden, Colorado on Thursday, July 5, 1984. The following members were present for the meeting:

Director Ruth A. Maurer, Chairman  
Director Alf Gizzo  
Director Marjorie E. Clement  
Jim Haberer, Mountain Bell  
George Theophilos, Assistant County Attorney  
Eleanor V. Martin, Clerk

Directors Will Burt and Bob Shriver were absent.

Director Ruth A. Maurer, Chairman, called the meeting to order at 5:30 P.M.

MINUTES

Director Clement moved that the minutes of June 28, 1984 be approved as corrected, noting the corrections that George Theophilos, Assistant County Attorney was absent and the motion regarding the tariff by Director Gizzo was seconded by Director Shriver. The motion was seconded by Director Gizzo and carried by unanimous vote of those members present.

MEETING DATE

The next meeting is scheduled for July 25, 1984 at 5:30 P.M.

OLD BUSINESS

BUDGET

Discussion was held concerning a proposed budget for the year 1985. Tentative plans call for budgeting for the following line items:

Postage @ 20¢ .....	\$ 75.00
Xeroxing - 2,000 copies x .06 per copy .....	120.00
Telephone .....	75.00

Telephone expense .....	\$ 75.00
Office Supplies .....	
Stationery - One (1) ream letterhead @ \$9.40	
One (1) box evenlopes @ \$9.22	
Three (3) boxes Sony tapes @ \$20.95 each - \$62.85	
Bookkeeping supplies for treasurer	50.00
Miscellaneous	
Liability Insurance - \$100.00	
Bonding of Board Members - \$900.00	

Mr. Theophilos submitted a memorandum to the Board regarding insurance costs:

Wrongful act coverage per year .....	\$ 750.00
General Comprehensive per year .....	250.00
Employee Blanket Bond per year .....	108.00

Mr. Theophilos stated he would check regarding legal and secretarial expenses. Discussion was also held concerning auditing expenses and travel expenses and it was determined that it will not be necessary to budget for such expenses at this time. The budget will be presented to the Board at the next meeting.

NEW BUSINESS

Director Maurer stated that the Board is desirous of obtaining E911 service from Mountain Bell and a letter to that effect be drafted requesting the service.

Director Gizzo stated that concern has been express with the tariff and the language in the tariff regarding liabilities. In a prior conversation with the Public Utilities Commission attorneys, it was learned that the language in the E911 tariff was essentially determined to be the same in other telephone tariffs in the state. All emergency phone equipment in place in the County and municipalities throughout the County has the same contingencies in the tariffs regarding protecting the service supplier from lawsuits. Director Gizzo, at the meeting of July 26, 1984 instructed the attorney for

this Board to contact attorneys retained by the Public Utilities Commission to investigate the matter through the Commission. Then, if there are no problems with the way the tariff is written, it is the desire of the Board to proceed, contingent upon Mr. Theophilos' verifying with the Commission as to why the Commission insists on drafting the language in that manner; that it is the Public Utilities Commission desire that the language be in the tariffs on regulated utilities.

Mr. Theophilos stated he would contact the newly appointed Consumer Advocacy Board to discuss the matter and report to the Board at the next meeting.

Mr. Theophilos also advised the Board that he considered it a risk and a risk that everyone should be aware of whether or not it is the language in the other tariffs; that as long as the Board is aware of the language in the tariff, still want to proceed with the ordering of service from Mountain Bell. It should be the decision of each of the entities and that this Board could not make that decision.

Mr. Jim Haberer, Mountain Bell, informed the Board that the cost of network portions of the service would be approximately 15 cents per month per subscriber line and given the ability to provide PSAP equipment, Mountain Bell would charge an additional five (5) cents to cover the cost, for a total of 20 Cents. However, he will be able to provide the Board with a definite cost at a later date. It is his understanding that the resolutions and ordinances passed by the various communities would specify an amount that would be passed on to the customers via the surcharge as opposed to a range within which it would fall. The maximum under House Bill 1240 allowed is 25 to 28 cents per month per subscriber line.

Mr. Haberer suggested to the Board that the amount of the surcharge could range from 22 to 25 cents through the implementation period. Once installed, the amount will be reduced to reflect actual maintenance costs of the system. It was also suggested that the entities involved be asked to join the Board when signing the request for services and that the press be invited to be present.

Mr. Theophilos advised the Board that a resolution similar to a County resolution could be drafted to include that the initial cost will be between 22 and 25 cents. After installation, the cost is expected to be reduced, and that the charges are not to exceed the figure of 25 cents. Approval would have to be forthcoming from Clear Creek and Park County Commissioners for that portion lying within the service area.

The Board requested that Mr. Theophilos draft a letter ordering service from Mountain Bell and a letter from this Board to the various entities explaining the need for them to adopt an ordinance or resolution regarding the amount to be charged; to examine the tariff to make certain it is acceptable to the entities and to provide a sample ordinance incorporating these points and to explain the possibility that there might be additional funds necessary to purchase equipment because of the law as it presently stands. Included also would be an explanation that the law was written before the breakup of Mountain Bell that has added a complicating factor which has not been resolved. A copy of this information will be sent to the various entities involved.


ADJOURNMENT

There being no further business to come before this Board, Director Gizzo moved to adjourn the meeting. Director Clement seconded the motion and carried by unanimous vote of those members present.

The meeting adjourned at 6:35 P.M.

  
Dr. Ruth A. Maurer, Chairman

ATTEST:

  
\_\_\_\_\_  
Will Burt, Secretary

M I N U T E S

911 - Emergency Telephone Service Authority Board

August 9, 1984

The Board of Directors of the E911 - Emergency Telephone Service Authority Board, met in the Commissioners' Conference Room, Jefferson County Courthouse, 1700 Arapahoe Street, Golden, Colorado on Thursday, August 9, 1984. The following members were present for the meeting:

Director Ruth A. Maurer, Chairman  
Director Bob Shriver  
Director Alf Gizzo  
Director Will Burt  
Assistant County Attorney George Theophilos  
Clerk Eleanor V. Martin

Also Present:

Randy Smith, President, PSAP Managers Committee  
John Miller, PSAP Managers Committee

Director Marjorie E. Clement was absent.

Director Ruth A. Maurer, Chairman, called the meeting to order at 5:30 P.M.

MINUTES

Director Gizzo moved that the minutes of July 26, 1984 be approved. The motion was seconded by Director Shriver and carried by unanimous vote of the members present.

MEETING DATE

The next meeting is scheduled for August 23, 1984.

OLD BUSINESS

A letter dated July 26, 1984, addressed to Dr. Ruth A. Maurer, Chairman from Randal L. Smith, Communications Section, Jefferson County Sheriff's Department, was received informing the Board that following a presentation of Mr. Ron Vegemast to the Board and the PSAP Managers Committee, Mr. Vegemast stated there may be alternative methods of engineering and implementation of the proposed 911 telephone system in Jefferson County. A discussion was held at that time regarding the possibility of hiring a technical consultant.

It is the majority opinion of the PSAP Managers Committee that an outside consultant is not necessary. A majority of the Committee feels comfortable with Mountain Bell's engineering proposal; that enough technical expertise is available within the local entities to make a determination as to what is best for each PSAP. Funding for the services of the consultant is questionable at this time. Attached to the letter was a list of the hardware recommendations for the individual PSAP's. The recommendation includes number and type of key sets, ANI/ALI equipment, fixed/selective transfer equipment and any specialized equipment.

The letter was incorporated by reference and is on file with the Clerk.

#### BUDGET

Following a discussion, Director Gizzo moved to accept the proposed budget for 1985 as presented. The motion was seconded by Director Burt and upon the roll having been called, the four members present voting "aye";, and one absent.

#### DISCUSSION - Letter ordering service from Mountain Bell

A draft letter prepared by Assistant County Attorney, George Theophilos, was submitted to the Board. The letter, to be addressed to the entities involved in the emergency telephone service was basically for the purpose of advising of certain developments which have occurred and to request that the governing body of each entity, as a party to the Intergovernmental Agreement, take several actions which are necessary prerequisites to the Authority Board's contracting for enhanced emergency telephone service with the phone company. (Mountain Bell).

The proposed letter further states that the Board is requesting that each party to the Intergovernmental Agreement first read the Mountain Bell tariff and after reviewing the tariff, formally authorize the Chairman of the Authority Board to request E911 service from Mountain Bell on behalf of the entity.

While Mountain Bell has not provided the Authority Board with a final and definite cost for E911 services, the Board has requested the entities adopt an ordinance or resolution which imposes a charge per exchange facility, the exact amount necessary to be as determined at a later date, and remitting the charges collected to the Authority Board as provided for in the Statutes.

The Emergency Telephone Service Act only allows for the charges collected to be used for paying for installation costs and directly related costs of the continued operation of the emergency telephone

Minutes of August 9, 1984

service in accordance with rates and schedules filed with the Public Utilities Commission.

The Board is requesting the formal authorization along with a copy of the resolution or ordinance adopted by each entity imposing a service charge and authorizing collection of the same.

Director Maurer requested the Board members further review the letter for some suggested changes in working relative to equipment.

Information has not been received as to whether or not Mountain Bell is able to supply the non-voice equipment.

Randy Smith, Chairman, PSAP Managers Committee, will contact Critical Communications requesting an estimate of cost to purchase or lease equipment required for each PSAP, and report back to the Board at the next scheduled meeting on August 23, 1984.

Director Gizzo suggested that the Board correspond with Mountain Bell and Jim Haberer, representative, by letter, stating the current problem as to a deadlock in being able to ask the municipalities in the County to participate in agreeing to order the service when the costs for non-voice on premise equipment are known; that the decision be a directional decision and that Mountain Bell petition the Federal Court for Authorization to lease the equipment and for an exception for emergency telephone services.

The Board requested Directors Gizzo and Burt prepare that proposed letter for signature of the Chairman.

Director Gizzo expressed concern regarding the liability provision in the tariff. Director Maurer, on behalf of the Board, requested the Assistant County Attorney prepare a brief, time permitting and permission from the County Attorney's Office relative to filing a protest before the Public Utilities Commission. However, before any protest is filed, Director Maurer will draft a letter of protest to the Public Utilities Commission and report to the Board at the next scheduled meeting.

ADJOURNMENT

There being no further business to come before this Board, the meeting was adjourned at 6:45 P.M.

  
Ruth A. Maurer, Chairman

ATTEST:

  
Will Burt, Secretary

M I N U T E S

911 - Emergency Telephone Service Authority Board

August 23, 1984

The Board of Directors of the E911 - Emergency Telephone Service Authority Board met in the Commissioners' Conference Room, Jefferson County Courthouse, 1700 Arapahoe Street, Golden, Colorado on Thursday, August 23, 1984. The following members were present for the meeting:

Director Ruth A. Maurer, Chairman  
Director Bob Shriver  
Director Alf Gizzo  
George Theophilos, Assistant County Attorney  
Eleanor V. Martin, Clerk

Also Present:

Jim Haberer, Mountain Bell

Director Marjorie E. Clement was present after roll was called.

Director Will Burt was absent.

Director Ruth A. Maurer, Chairman, called the meeting to order at 5:45 P.M.

MINUTES

Director Gizzo moved that the minutes of August 8, 1984 be approved as published. The motion was seconded by Director Shriver and carried by a unanimous vote of the members present.

MEETING DATE

The next meeting date of the E911 Emergency Telephone Service Authority Board is scheduled for September 13, 1984.

OLD BUSINESS

Randy Smith, PSAP Manager's Chairman, was not present to report to the Board on his contact with Critical Communications.

Final revisions of the letter to Mr. Jim O'Boyle, Vice-president of Marketing, Mountain Bell, were made; the Clerk to prepare same for signature of the Chairman and to be mailed next week.

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Page 2

Director Maurer informed the Board that she has not prepared the letter of protest to the Public Utilities Commission. However, she indicated she will be in the process of working on the letter and hoped to have it ready by the next meeting.

A discussion was held regarding the letter to be sent to the entities who will be participating in the E911 Service. When final revisions are completed, the letter, along with the projected costs prepared by Jim Haberer, Mountain Bell, information from the E911 technical committee setting forth a proposed list of equipment needs for each PSAP and a copy of the tariff will be forwarded to each participating entities.

The Board, upon motion of Director Clement, duly seconded by Director Shriver and by unanimous vote of the members present, adopted a resolution requesting Jim Haberer, Mountain Bell, to estimate the costs for providing the network portion of the E911 system; that any interest from these monies will be applied for, contingent upon that estimate.

ADJOURNMENT

There being no further business to come before this Board, the meeting was adjourned at 7:05 P.M.

  
Dr. Ruth A. Maurer, Chairman

ATTEST:

  
Will Burt, Secretary

M I N U T E S

E-911 - EMERGENCY TELEPHONE SERVICE AUTHORITY BOARD

September 13, 1984

The Board of Directors of the E911 - Emergency Telephone Service Authority Board met in the Commissioners' Conference Room, Jefferson County Courthouse, 1700 Arapahoe Street, Golden, Colorado on Thursday, September 13, 1984. The following members were present:

Director Ruth A. Maurer, Chairman  
Director Alf Gizzo  
Director Will Burt  
Director Bob Shriver  
Cile Pace, Assistant County Attorney  
Eleanor Martin, Clerk  
Randy Smith, Jefferson County Sheriff's Department and  
PSAP Chairman  
Jim Haberer, Mountain Bell  
Lynn Rowe, Westminster Police Department  
Dan Montgomery, Westminster Police Department  
Roger Noonan, Attorney, City of Lakewood  
John Miller, Lakewood Police Department  
Jerry Williams, Arvada Police Department  
Ron LeBlanc, City of Arvada  
Fred Ballou, Arvada Police Department  
Sgt. Desmond Garnella, Wheat Ridge Police Department

Director Clement was present after roll call.

Director Maurer, Chairman, called the meeting to order at 5:34 P.M.

MINUTES

The minutes of August 23, 1984 were approved as published.

OLD BUSINESS

REPORT - Randy Smith

Randy Smith, PSAP Chairman, reported to the Board that he made several calls throughout the United States and to date, has not been able to locate a selector console similar to the model 10A150 by AT&T Technology.

The Video Display Terminal, Informer Model CM-911, currently in use in the Enhanced 911 systems is at a cost factor of \$1750.00. If purchased in lots of 20 or more, the discount is \$48.00 per unit, for a total cost of \$1,702.00.

The Informer Corporation marketing the CM-911 is completing production on a new model (203/911), selling for \$1150.00 in lots of 20 or more and should be available within approximately 120 days. The model (203/911) has a nine inch screen as compared to a six inch screen of the CM-911. Both use a serial interface for connecting printers and basically can be used with the Video Display Terminal.

Randy investigated the Call Detail Recording wherein the Informer Video Display Terminals use a serial interface in connecting an auxiliary printer for Call Detail Recording. Most good quality serial interface printers will work with the Informer Display Terminals. The average cost for a good quality printer ranges from \$400.00 to \$550.00 per unit. The Okidata Model ML-92 used for these purposes is a bi-directional, tractor feed, and 160 characters per second printer. The price per unit is \$450.00. Good quality printers are available on State Bid and may be acquired at additional savings.

In contacting Interwest Communications, Randy found the going price for a keyset on open market is approximately \$560.00 which includes cost of instrument, warranty, 100 feet of cable, and installation.

IBM Honeywell and Sperry Rand and many of the major computer companies are looking at the CAD interface unit for their systems in the E911 system. The data signal generated in the enhanced 911 system is a standard data signal and is compatible with most computers.

Randy stated the agencies going to a CAD system might want to incorporate the CAD interface system into their bid specification if the central processing unit has to have an interface unit compatible with the 911 signal.

An equipment information sheet was presented to the Board, which is on file with the Clerk; the information having been prepared by Randy Smith.

Following the presentation, a question and answer session was held regarding the Authority Board's letter to the involved entities for permission to request service from Mt. Bell for E911 service, items discussed were the fees to be charged, the amendment to the legislation; clarification as to whether or not AT&T can lease the equipment and to have that cost covered under the tariff.

A letter was sent to Mt. Bell encouraging Mt. Bell to make a decision as soon as possible regarding the providing of equipment needs and associated costs for the E911 service. It was suggested that a letter from the various entities involved also encourage Mt. Bell to make that decision.

Fred Ballou, Arvada Police Department, expressed concerns regarding the liability clause in the tariff, which is the purpose of the letter to the Public Utilities Commission; a copy of which is to be submitted to the Consumer Advocates' Office.

Phone systems have the liability clause and standard nationwide with the 911 system and approved by the Public Utilities Commission.

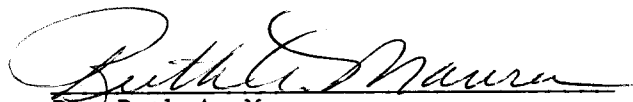
Mr. Ballou suggested that it might be more logical that before passing the Ordinances or present the Ordinances to change the legislation that other options might be available and thus eliminate the possibility of having to change the ordinances. He questioned as to what is involved in the software charges or the cost of collecting the money as soon as November 1st. Dr. Maurer replied that when the software is ready, the money will be available to pay Mt. Bell. When the equipment is in place, Mt. Bell will receive a lump sum.

Ron LeBlanc, City of Arvada, stated Jefferson County has potential sponsors that should be approached in order to introduce a bill to the legislation for consideration; the legislators are limited to six bills per session and have to file sometime in November. He urged that the legislators be contacted soon.

Director Will Burt was appointed to represent the E911 Board at the Jeffco Government Association meeting to be held on September 25, 1984 for the purpose of presenting the position of the E911 Board.

ADJOURNMENT

There being no further business to come before this Board, the meeting was adjourned at 7:08 p.m.

  
Dr. Ruth A. Maurer,  
Chairman

ATTEST:

  
Secretary

M I N U T E S

911 - Emergency Telephone Service Authority Board

September 20, 1984

The Board of Directors of the E911 - Emergency Telephone Service Authority Board met in the Commissioners' Conference Room, Jefferson County Courthouse, 1700 Arapahoe Street, Golden, Colorado. The following members were present for the meeting:

Director Ruth A. Maurer, Chairman  
Director Bob Shriver  
Director Will Burt  
George Theophilos, Assistant County Attorney  
Eleanor Martin, Clerk

Director Maurer, Chairman, called the meeting to order at 5:37 P.M.

MINUTES

Director Shriver moved that the minutes of September 13, 1984 be approved as published. The motion was seconded by Director Burt and carried by unanimous vote of the members present.

MEETING DATE

The next scheduled meeting date is October 18, 1984 at 5:30 P.M.

OLD BUSINESS

A letter addressed to Chairwoman Edythe S. Miller, Public Utilities Commission was presented to the Board. The letter was to request the PUC to reconsider Section A.9.2.1 A. of the Mountain States Telephone and Telegraph Company tariff entitled "Enhanced Universal Emergency Number Service - E911". At issue are subsections 17 and 18. Section 17 sets forth the "hold harmless" clause and Section 18 contains an indemnification which "unfairly and unjustly excupates Mountain Bell from liability even for acts or events" arising out of the neglect or other wrongful act of the Company.

Following a discussion, the Board, upon motion of Director Burt, moved that the Chairman of the Board be authorized to sign the letter dated September 20, 1984, addressed to Chairwoman Edythe S. Miller, Commissioner Andra Schmidt, Commissioner Ronald L.

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Page 2

Lehr, of the Colorado Public Utilities Commission, and copies to Jefferson County governing bodies; Senator Claire Traylor; Representative Dick Mutzebaugh; Duane Woodard, Attorney General; Office of the Consumer Counsel; Jim Haberer, Mountain Bell; and Bonnie Allison Representative. Director Shriver seconded the motion and upon hearing no objection, the Chairman declared the motion passed unanimously.

ADJOURNMENT

There being no further business to come before this Board, the meeting was adjourned.

  
Director Ruth A. Maurer, Chairman

ATTEST:

  
Secretary

M I N U T E S

911 - Emergency Telephone Service Authority Board

October 18, 1984

The Board of Directors of the E911 - Emergency Telephone Service Authority Board met in the Commissioners' Conference Room, Jefferson County Courthouse, 1700 Arapahoe Street, Golden, Colorado. The following members were present for the meeting:

Director Ruth A. Maurer, Chairman  
Director Marjorie E. Clement  
Director Alf Gizzo  
Director Will Burt  
Director Robert Shriver

George Theophilos, Assistant County Attorney  
Eleanor Martin, Clerk  
Jim Haberer, Mountain Bell  
Randy Smith, Jefferson County Sheriff's Department  
Jan Thornton, Mountain Bell  
Bill Kuehn, Mountain Bell  
Fred Ballou, Arvada Police Department

Director Maurer, Chairman, called the meeting to order at 5:34 P.M.

MINUTES

Hearing no objections, corrections or additions to the minutes, Chairman Maurer declared the minutes approved as published for the meeting of September 20, 1984.

MEETING DATE

The next scheduled meeting date is November 1, 1984 at 5:30 P.M. If State Legislators are unable to meet with the Board on that date, the meeting will be changed to November 8, 1984.

REPORT - Randy Smith

Randy Smith, Jefferson County Sheriff's Department and Chairman of the PSAP Managers' Committee, reported to the Board regarding a Jefferson County Public Safety Answering Point Equipment Cost Summary, a copy of which is on file with the Clerk.

The figures were compiled as an estimated cost, should each PSAP be required to purchase their own premise equipment. The figures are also based on projected expansion up to and including cut over, but not beyond that point.

The report covered the costs of the ANI Master Controller, ALI Master Controller, ANI/ALI Video Display Terminal Call Detail Recording Printer and 1A Keypad Telephones for Arvada Fire Department, Arvada Police Department, Broomfield Department of Public Safety, Golden Police and Fire Departments, Jefferson County EOC, Jefferson County Sheriff's Department, Lakewood Department of Public Safety, Lakewood Fire Protection District, Westminster Police Department and Wheat Ridge Police and Fire Departments.

Mr. Smith indicated the cost was for equipment only. Mr. Theophilos, Assistant County Attorney, stated that under the present law, the charges can be used to pay for installation costs. On a projected base of 250,000 subscribers at 17 cents per subscriber line, estimated revenue would be \$42,500 per month. This cost is for the network portion only.

Following a discussion, the Board requested that Mr. Smith obtain further information regarding installation and leasing costs for the equipment.

Mr. Smith informed the Board that one of the tasks assigned to PSAP Committee was to set up the default routing system and to work out Mutual Aid Agreements between the multiple PSAP's involved. At the present time, everyone with the exception of one agency has made a determination on default routing. Once the rough draft of the Mutual Aid Agreements is completed, copies will be sent to each PSAP for review by their respective legal staff to make certain there are no legal problems with the Agreement. A copy will also be forwarded to the Authority Board for review and acceptance by this Board.

Mr. Smith also informed the Board that the technical committee will be meeting as soon as the Mutual Aid Agreement is available.

Upon questioning by Director Burt, Mr. Smith stated the document and equipment recommendation is very conservative; that after looking at the potential growth over the next two years, it was kept to an extreme minimum.

A discussion was held concerning receipt of resolutions and/or ordinances requesting E911 service from Mountain Bell and the Authority to Mountain Bell to collect a service charge of 17 cents for the services. Such ordinances and/or resolutions have been received from Jefferson County; the cities of Westminster, Lakewood, Wheat Ridge; Bankcroft Fire Department, and Genesee Fire Protection District. The City of Broomfield will hold a hearing on the subject matter on October 23, 1984.

Littleton Fire Protection District, through their attorney, advised this Board that the District will adopt no resolutions or ordinances until such time as the issues before the Public Utilities Commission have been resolved. It was pointed out that portions of the Littleton District could be included in the

unincorporated portion of Jefferson County and subject to the service charge. Concern was expressed from the attorney representing the Fire District regarding a double charge for service. Mr. Theophilos advised the Board that the Jefferson County Commissioners' Resolution authorizing the .17 cents monthly charge shall not be construed to permit any duplication or multiple imposition of the month charge upon any exchange access facility situated concurrently within the unincorporated portion of the County and the jurisdiction of any special district part to the Intergovernmental Agreement.

Littleton Fire Protection District will be a secondary PSAP and many of the calls for the district in the unincorporated area of Jefferson County are dispatched through the Jefferson County Sheriff's Department.

Other entities have adopted ordinances and/or resolutions, but no official communication has been received by this Board. Directors Maurer and Burt will contact those entities.

Chairman Maurer, on behalf of the Board, extended appreciation to Will Burt for his presentation at the Jeffco Governments Association meeting regarding the position of the Board.

Chairman Maurer reported to the Board that the letter addressed to the Public Utilities Commission was reviewed by the PUC. It was her understanding that the two Board members present were sympathetic in that Mountain Bell should not be held harmless for errors on the part of Mountain Bell. The staff of the PUC questioned the trade-off charges as to whether adjusting that particular provision in the tariff would cause increased charges and whether that increase would be significant. A meeting for further discussion will be scheduled with members of the Board, PUC and representatives from Mountain Bell.

George Theophilos, Assistant County Attorney, presented a Proposed Amendment, Article II, Emergency Telephone Service, to the Board. Following a discussion, it was determined that copies of the proposed amendments be sent to the entities for review by their legal staff. A copy will be forwarded to Senator Claire Traylor and Representative Bonnie Allison and a meeting to be scheduled at their convenience on either November 1st or November 8th.

A letter dated October 10, 1984, addressed to Dr. Maurer, from Vince Bradshaw, Director, Government Services, Mountain Bell, was received on The letter states that under the terms of the divestiture accord between AT&T and the Department of Justice which became effective January 1, 1984, Mountain Bell is precluded, in general, from providing customer premise equipment, except through a deregulated subsidiary. Although there are exceptions in the accord that would permit Mountain Bell to provide such equipment for 911 installations, it is their view


that it is too costly and inefficient to maintain an installation, supply and maintenance function which is limited to 911 terminals.

Mountain Bell has determined to concentrate efforts on providing the network component of service and cooperating with any supplier of terminal equipment selected by this Board. This is the current policy and no specific changes are planned. Should the position change on 911 terminal equipment, the Board will be advised of such change. However, with the frequently changing environment accompanying deregulation, they are continuously reevaluating all their policies.

A letter has been sent to the existing 911 operations in and around the Denver Metropolitan area requesting support for the revision of Sections 17 and 18 of the tariff approved by the PUC.

ADJOURNMENT

There being no further business to come before this Board, Director Gizzo moved the meeting be adjourned. Director Clement seconded the motion and the motion was carried by unanimous vote. The meeting was adjourned at 6:45 P.M.

  
Dr. Ruth A. Maurer, Chairman

ATTEST:

  
Will Burt, Secretary

M I N U T E S

E11 - Emergency Telephone Service Authority Board

November 8, 1984

The Board of Directors of the E911 - Emergency Telephone Service Authority Board met in the Commissioners' Conference Room, Jefferson County Courthouse, 1700 Arapahoe Street, Golden, Colorado. Present for the meeting were the following:

Director Ruth Maurer, Chairman  
Director Alf Gizzo  
Director Robert Shriver  
Director Will Burt

Cile Pace, Assistant County Attorney  
Jeannette Ferris, Clerk

Sgt. Desmond E. Sarnella, Wheat Ridge Police Department  
Commander Ed Ray, Wheat Ridge Police Department  
Lt. F. W. Ballou, Arvada Police Department  
Randal L. Smith, Jefferson County Sheriff's Department  
Jerry Williams, Arvada Police Department  
Jim Haberer, Mountain Bell  
Jan Thornton, Mountain Bell  
Bill Kuehn, Mountain Bell  
Stan Sours, Mountain Bell

Senator Claire Traylor

Director Maurer, Chairman, called the meeting to order at 5:30 P.M.

MINUTES

Hearing no objections, corrections or additions to the minutes, Chairman Maurer declared the minutes approved as published for the meeting of October 18, 1984

MEETING DATE

The next scheduled meeting date is December 3, 1984.

## DISCUSSION

The Board at a previous meeting, considered the proposed amendments to Article II of the Emergency Telephone Service, and recommended to impose a charge in an amount not to exceed three (3) percent of the tariff rate in those portions of the governing body's jurisdiction for which emergency telephone service will be provided. The present charge is two (2) percent of the tariff.

Present at this meeting for further discussion was Senator Claire Traylor. She expressed concern regarding the possibility of increasing the limit of the tariff to three percent; that it had been difficult to get the two percent through the legislation.

Director Gizzo stated the necessity for the increase is based on Mountain Bell's reluctance to supply the tariff premise equipment, which forces the Board to go out to private vendors to purchase the equipment where no rental is available. The original legislation as proposed was assumed by the technical committee that the tariff would be tariff non-premise equipment.

Randy Smith informed the Board he looked into lease purchase or abandonment leasing with several companies around the Denver Metro area. The best offer was a guaranteed nine percent money with an 84 month lease. For one dollar, with an 84 month lease, at the end of 84 months, the equipment is owned outright. The lease purchase cost is approximately \$25,000 per month which includes the equipment and installation. However, the cost is exclusive of any maintenance agreement after the first year and has to be negotiated separately.

Stan Sours, Mountain Bell representative, stated that it is not reluctance on the part of Mountain Bell to provide the equipment. Mountain Bell is not sure that they can provide the equipment. He also stated that the legislature would be very reluctant to do anything that would create additional cost to the consumer. Because it is not known what the charge of the supplier will be it would be difficult to determine if two percent is enough. Adequate proof will be necessary for the need of three percent of the tariff and additional money.

Senator Traylor stated she and Bonnie Allison will assist the Board in their endeavor at the legislature.

Jim Haberer, Mountain Bell stated the suppliers are Number One in the primary cost factors and that is automatic number identification controllers and the automatic location identification controllers which is the only source for that equipment at this particular time.

There are prospective suppliers who have indicated an interest in supplying of the equipment.

Following the discussion, the Board unanimously agreed to stay with the two percent tariff rate.

Director Maurer stated she has received approvals from the City of Golden requesting 911 service and the fee charge; and Inter-Canyon Fire Protection District for collecting the fee.

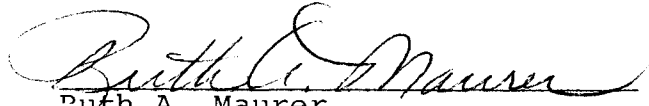
For those entities not yet responding to the Board for authorization for the Chairman to request E911 service from Mountain Bell and collecting of the fee, they will be contacted by Directors Gizzo and Maurer.

Jim Haberer informed the Board that as soon as Mountain Bell is given authority to proceed with collecting for the fee, it will take approximately 15 days from the time of approval to commence. He requested copies of all the amendments, resolutions and ordinances and the order for the service. The target date is January 1, 1985.

Director Shriver will contact Donald Couch, County Treasurer, to set up an account for the E911 funds.

ADJOURNMENT

There being no further business to come before this Board, the meeting was adjourned.

  
Ruth A. Maurer  
Chairman

ATTEST:

  
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Secretary

December 6, 1984

M I N U T E S

E911 - Emergency Telephone Service Authority Board

The Board of Directors of the E911 - Emergency Telephone Service Authority Board met in the Commissioners' Conference Room, Jefferson County Courthouse, 1700 Arapahoe Street, Golden, Colorado. The following Board members were present for the meeting:

Ruth A. Maurer, Chairman  
Marjorie E. Clement  
Bob Shriver

Also Present:

Fred Ballou, Arvada Police Department  
Jerry Williams, Arvada Police Chief  
Ron LeBlanc, Deputy City Manager, City of Arvada  
Randal L. Smith, Jefferson County Sheriff's Department  
Ed Ray, Wheat Ridge Police Department  
Jim Haberer, Mountain Bell  
Jan Thornton, Mountain Bell  
Bill Kuehn, Mountain Bell  
George Theophilos, Assistant County Attorney  
Betty Pickinpaugh, Clerk

Directors Alf Gizzo and Will Burt were absent.

DISCUSSION

*even*  
Director Maurer reported that replies regarding the request for 911 Service and/or the 17 percent assessment fees were received from the City of Lakewood, City of Arvada and Arvada Fire Protection District. Packets containing the information regarding the system were again sent to the towns of Lakeside and Mountain View.

The entities yet to be heard from are: Idledale Fire Protection District, Indian Hills Fire Protection District, Lakewood Fire Protection District, Mount Vernon Fire Protection District, Pleasant View, Elk Creek Fire Protection District, Evergreen Fire Protection District, City of Edgewater, Town of Mountain View, Coal Creek Canyon Fire Protection District, Town of Lakeside, Littleton Fire Protection District and Wheat Ridge Fire Protection District.

Since these entities have not responded, it was decided by the Authority Board that a special question and answer session will be scheduled for December 12, 1984 at 7:00 P.M. for a presentation

regarding the approval to request service from Mountain Bell, and approval to impose a service charge; the two percent limitation, the reason for going to the legislature and open for other questions pertaining to the 911 system. A model resolution and/or ordinance will be available at the meeting for those entities who are not certain as to the wording.

A discussion was held concerning the proposed legislation. Dr. Maurer, in conversation with Senator Claire Traylor, stated that Senator Traylor is concerned about the article that specifically speaks to the fact that "nothing shall prevent the governing body of any county, city, city and county or town from establishing emergency telephone service without the approval of any special district located within the geographical jurisdiction of such governing body".

Attorney Theophilos stated the matter is one of seeking clarification; that if the special districts, because they do not have the manpower and are having trouble agreeing or becoming involved, that it would not preclude a city or county from being able to provide the service without the approval of the special districts.

Ron LeBlanc, after conferring with the City Attorney of Arvada, stated that it is the opinion of the City Attorney that that particular language should not be in the definition and could be better placed in another section. He stated the attorney and the Colorado Municipal League is also concerned with Section 29-11-105 regarding the liability provisions in that bill and should not be a part of that bill. It is also the opinion that the provisions should be contained within an amendment to the Colorado Governmental Immunity Statute. He also stated that the Municipal League's position on the language is that a liability issue should not be hidden in a funding mechanism for E911. The Colorado Municipal League has taken a position to support the funding the 911 system but is unclear whether they can support the draft legislation because of the liability provision.

Director Clement stated that the 911 system is desperately needed and the Board must move forward. If the provisions may cause some entities not to enter into the agreement, then it should be omitted from the proposed legislation.

Mr. Theophilos pointed out that the same provisions are in the Hazardous Material Act and it may be difficult to change that Act.

Director Maurer stated the legislation should be taken care of in

order to purchase the needed equipment.

Following the discussion, Director Clement moved that Senator Claire Traylor be given the authority to use her own discretion regarding the inclusion or exclusion of the liability provision from the draft legislation being proposed by the Authority Board. The motion was seconded by Director Shriver which was carried by a unanimous vote of the Board members present. Director Maurer stated she will inform Senator Traylor by letter of the Board's action and to advise her that this Authority Board desires the legislation passed which allows the purchase of the equipment and to authorize the telephone company to collect the surcharge.

Randy Smith, Chairman, PSAP Manager's Committee, reported to the Board that at a meeting held on November 21, 1984, the rerouting for enhanced 911 was finalized. All of the agencies have agreed as to how they would like the calls rerouted.

A discussion was held regarding the rough draft of the Mutual Aid Agreement, after each individual agency had an opportunity to review the Agreement with their respective legal staff. It was a consensus of opinion of the technical committee that possibly the Mutual Aid Agreements were not needed; that many of the items incorporated into the Agreements were basically operating procedures. He questioned that since all of the agencies within the County had agreed to participate in the 911 system, would it be possible and would the Authority Board agree to go with the standard operating guidelines? There might be a time delay in Mutual Aid Agreements in getting everyone to agree, when in fact, all have agreed to participate and to start with the standard operating guideline which would move along more rapidly and create a lot less headaches.

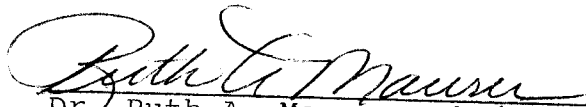
Ron LeBlanc stated there are a lot of Mutual Aid Agreements between law enforcement agents to law enforcement agencies. He feels that Mutual Aid Agreements do not work.

Jerry Williams, Arvada Police Chief, stated the metro area police chiefs have gone through a process of doing away with Mutual Aid Agreements. Most city attorneys have stated that the State Statutes have provided the necessary provisions.

#### ADJOURNMENT

There being no further business to come before this Board, the meeting was adjourned.

Minutes of December 6, 1984  
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Dr. Ruth A. Maurer, Chairman

ATTEST:

  
Will Burt, Secretary