

LINDA LINGLE  
GOVERNOR



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Comptroller

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**STATE OF HAWAII  
DEPARTMENT OF ACCOUNTING  
AND GENERAL SERVICES**

P.O. BOX 119  
HONOLULU, HAWAII 96810-0119

TESTIMONY  
OF  
RUSS K. SAITO, COMPTROLLER  
DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES  
TO THE  
SENATE COMMITTEE  
ON  
PUBLIC SAFETY  
ON  
February 26, 2008

RELATING TO CONFIRMATION TO THE WIRELESS ENHANCED 911 BOARD,  
GUBERNATORIAL NOMINEE, DEXTER J. TAKASHIMA

Chair Espero, and members of the Committee, thank you for the opportunity to testify before you on the confirmation to the Wireless Enhanced 911 Board (the Board), gubernatorial nominee, Dexter J. Takashima. The Department of Accounting and General Services recommends that Mr. Takashima be recommended for confirmation.

HRS Section 138-2 requires that the Board have a member from a public safety answering point on the island of Kauai. Mr. Takashima is the Public Safety Telecommunications Administrator of the Kauai Police Department and fulfills the statutory requirement for representation. Under Mr. Takashima's direction, the County of Kauai has successfully implemented enhanced wireless 911 service on the island of Kauai. Additionally, Mr. Takashima been a contributing member of the Board during his first term.

Thank you for the opportunity to testify on this matter.

Dexter Takashima,  
PS Telecommunications Administrator  
Kauai Police Department  
3990 Kaana Street, Suite 200  
Lihue, HI 96766-1268

February 25, 2008

Senator Will Espero  
Chair, Senate Committee on Public Safety  
The Senate  
State Capitol  
Honolulu, Hawaii 96813

Dear Senator Espero:

Re: Nomination to the Wireless Enhanced 911 Board

Thank you for the opportunity to allow me to present my testimony.

**Why do you wish to be a member of the Wireless Enhanced 911 Board?**

With all due respect, not only am I the Public Safety Telecommunications Administrator for the County of Kauai responsible for accomplishing the 100% compliancy for the FCC mandated Phase I and II on Kauai, but, I have also requested this same service to save a life. I know it does work and it does work extremely well.

**How do you perceive the role and responsibilities of a member of the Wireless Enhanced 911 Board?**

I humbly hope the Confirmation Hearing Board will allow me to represent Kauai on a second term on the Wireless Enhanced 911 Board, I am currently a member on the Technical committee and the Publicity Committees.

**Given your understanding of the role and responsibilities of a member of the Wireless Enhanced 911 Board, why do you believe that you are qualified for the position?**

I have in excess of 35 years of telecommunications experience as depicted in my Resume in the military, private industry and local county government. During the last 15 years in local government, since 1993, I am a one person office with no clerical or other support staff but I have been able to accomplish the following: contract, install and implement a new 800 MHz radio communications system to replace a VHF radio system demolished by Hurricane Iwa 1982 and Iniki 1992; design and built and relocated the 911 Police Dispatch Center 1995; replaced all non-compliant Year 2000 radio equipment at no cost to the county; upgraded and relocated the Police Dispatch Center to Enhanced 911 in 2002; brought the Police Dispatch Center to be Phase I and II compliant 2007.

**What do you hope to accomplish during your term of service?**

I hope to make people understand the wireless enhanced 911 system and the E911 dispatcher's most critical significant tool to save a life is the associated Computer Aided Dispatch (CAD) system and the Geographical Information System (GIS) mapping system which pin points the wireless caller's location. This GIS mapping system and the associated Master Street Address Guide (MSAG) needs to be updated on a daily basis and are considered to be "living documents". I sincerely believe we need to spend crucial funds to keep training and educating the public, our managers, legislatures and our communicators...after 31 years of military service, I have learned spending some money are absolutely necessary and critical in keeping our public and our first responders safe.

**Name three qualities that best describe you and that would make you stand out. How would these qualities benefit the Wireless enhanced 911 Board?**

35 years of telecommunications experience; maturity; dedication to public safety  
With all due respect, I sincerely believe the qualities I bring to this Board are absolutely necessary as we have, who are on the line, every day must rely on experience, training, maturity and dedication...these are the facts of life and saving lives takes every bit of energy we can muster each day, every day...that is what enhanced 911 is all about.

**Name one previous experience that would make you stand out. How would this benefit the Wireless Enhanced 911 Board?**

My spouse used the Enhanced 911 service to save my life once and I have called in to wireless enhanced 911 to save another person's life...I am 100% content to know our state wireless enhanced 911 system does work, it does save lives and I want to continue to make it better, faster, more responsive...

**Can you foresee any possible conflicts of interests that could arise during your service on the Wireless Enhanced 911 Board?**

I do not foresee any possible conflict of interests.

**How would you overcome any possible conflicts of interest?** I would report it to the Board Chair immediately and will refrain from voicing or making any recommendations or refrain from voting on any policies, etc., until I am cleared by the Board's Chair and/or the Attorney General office.

Should you need to contact me, please do not hesitate to do so:

Kauai Police Department  
3990 Kaana Street, Suite 200  
Lihue, Hawaii 96766-1268

Office: 808-241-1647  
Cell: 808-651-8564  
Fax: 808-241-1659  
Email: [dtakashima@kauai.gov](mailto:dtakashima@kauai.gov)

**DEXTER J. TAKASHIMA**  
**P.O. Box 902**  
**Waimea, Kauai, Hawaii, 96796**  
**Home: (808) 337-1844**  
**Office: (808) 241-1647**

Accomplished Manager of technical professionals. 35 years of experience in the telecommunications and defense electronics industries. With military training, began career as an Electronics Technician. advanced to communications field engineer and progressively more responsible management positions. Earned a four year Bachelor of Science degree in Business and Economics. Management skills acquired through military, corporate and civil service training programs. Areas of expertise include:

- Technical and administrative work in the planning, programming, directing and coordinating the overall communications program of an agency
- Facility manager for the Kaana street, Police, Civil Defense and Office of the Prosecuting Attorney - Ka Hale O' Maka'i Kauai building
- Selected by Mayor Bryan J. Baptiste to represent Kauai as Kauai's first PSAP Wireless Enhanced 911 Board member
- Project manager for the Kauai Police Department's Public Safety Answering Point (PSAP) Wireless E911 FCC Phase I and II project
- Project manager for the Kauai PSAP GIS Power Map system project
- Project manager and telecommunications administrator for a major \$6 Million dollar island wide public safety full simulcast 800 MHZ trunk radio and wireless siren command and control warning system
- Capital and expense budget planning and administration
- RFP preparation, review and contract award and implementation
- Technical Statement of Work (SOW) preparation and implementation
- Provide technical design, modification and operational/maintenance support for wire line and RF telecommunications systems, cryptographic voice/data communications systems, cable plant indoor/outdoor MDF/IDF cable distribution frames, fiber optics, digital PBX telephone systems, wireless SCADA systems, Enhanced 911 emergency telephone systems and communications facility corrosion control support
- Project manager experience in the installation, testing, and acceptance of telecommunications network projects, analysis, schedules and resolves difficulties and delays impacting real time operations and projects
- Short term, long term maintenance and operations (M&O) support, applications design, system implementation and training

**EMPLOYMENT HISTORY**

1993 COUNTY OF KAUAI – KAUAI POLICE DEPARTMENT  
To Public Safety Telecommunications Administrator  
2008

Performs a variety of administrative and professional technical work in planning, programming, directing and coordinating the overall maintenance and operations of island-wide telecommunications systems, including data acquisition and supervisory control, command and control center processing, microwave radio telecommunication, digital telephone PBX and KSU telephone switch units, video, fiberoptics, digital/analog switching networks,

cable plant distribution, LAN/WAN computer networks, public safety island wide 800 MHZ trunk radio communications system, project manager for the public safety answering point landline and wireless Enhanced 911 and FCC Phase I/II caller identification and geo-location systems; physical facility security access and digital surveillance CCTV and recording systems. Evaluates operational needs and directs, through contractors and associates, the design, installation, implementation, operation, modification and maintenance services of various systems to meet the operational needs and requirements of agencies. Establishes design criteria, reviews and analyzes plans and specifications to ensure conformance with departmental requirements and interdisciplinary engineering standards. Conducts continual system reviews to evaluate present and future requirements against original design concepts. Establishes operating policies and procedures to meet normal and emergency conditions. Coordinates program activities with the other departmental divisions and government agencies, including land acquisition, licensing requirements, etc.

Develops training programs to keep abreast of changing technology and effectively integrates new equipment into the telecommunications systems. Prepares budgets and technical and administrative reports. Participates in the hiring, supervision, evaluation and initiation of personnel actions involving employees in the agency. Performs other related duties as required.

Project manager for a \$6M dollar public safety 800 MHz trunk radio and 6 GHZ microwave system for Police, Fire, Civil Defense, Emergency Medical Services, Public Works, Water Dept., Sewers Division and state users. Completed communications project more than one year ahead of schedule, as well as, provided this agency in excess of \$2M dollars in cost savings.

For a more detailed description of my current duties and responsibilities, please reference the attached Department of Personnel Services Telecommunications Officer's job description 5.145.

- 1993 HAWAII AIR NATIONAL GUARD  
To 298 Air Traffic Control Flight-GCA Radar Supervisor, NCOIC  
1993 June 1 through November 15, 1993, please refer to page 3 of this resume, as the full time civil service GCA Radar supervisor and NCOIC (WG-12) my description of work in the full time capacity was exactly as described in the portion contained under "202/298 Air Traffic Control Flight-Hawaii Air National Guard 1981 to 1996".
- 1988 COMPUTER SCIENCE CORPORATION PAN AM KAUAI (CPK)  
To Communications Group supervisor  
1993 Manage and supervise 27 technical operator and electronics technicians at four separate facilities, Pacific Missile Range Facility (PMRF), Barking Sand. Provide technical project management for all associated communications systems including video, data, telephone networking, voice and satellite worldwide services on a fixed price budget contract. Provide day-to-day technical assistance and management for operations, schedule preventive/corrective maintenance and major overhauls. Establish cost-effective personnel schedules in support of communications operations. Coordinate administrative and maintenance activities, as well as, installation

crews for full logistics support through short/long range planning, scheduling and intra-section support.

Review project proposals to achieve systems performance and cost-effective analysis. Research, organize and plan system modifications, depot level maintenance overhauls and upgrades to enhance operational efficiency and reliability. Extensive work on contractual negotiations and claims, recently won 11 claims totaling in excess of \$2.2 million against this fixed price contract. Point of contract for 14 and sub-contractors tasked on this M&O contract at PMRF

1978 DYNALECTRON CORPORATION (DYN CORP)

To Communications Group Supervisor

1988 Managed and supervised 21 electronic technicians and instrumentation corrosion control riggers at the Pacific Missile Range Facility and Mauna Kapu Facility on Oahu. Managed and supervised a cost -plus contract allowing flexibility and expansion on a cost reimbursable basis. Responsible for the maintenance and operation of the PMRF RF Communications, Mobile Radio Networks, Security and Fire Alarm systems, microwave systems, Tactical Air Navigation system, Air Traffic Control Communications and all remote communications facilities. Active member of the corporate staff writing to the government RFP on three contract bids at PMRF, as well as, two national contract bids in Florida and the Caribbean.

All duties and responsibilities carried over to the employment with Computer Science Corporation Pan AM Kauai, 1988-1993, with the added responsibility of another communications section. Tenure with Dynalectron Corporation included temporary assignments as acting manager for the Marine Service department, Electron Warfare and FIC Center (Oahu) and underwater Tracking Center (Midway Island) and various smaller activities locally.

1996 HAWAII AIR NATIONAL GUARD

to 154 ACS MAINTENANCE CONTROL CENTER - Radar Production

2004 Controller And Combat Tactical Radar System Superintendent - Reserves

Security Classification: Top Secret

Manage the operations and maintenance of a tactical combat command and control mobile radar system. Responsible for the readiness of the radar system for local and worldwide deployments and tactical combat air traffic control missions, as well as, responsiveness to state wide natural disaster assistance. Ensures all equipment and systems are properly maintained in accordance with preventative maintenance and corrective maintenance procedures and certifications. Ensures all logistics, administrative and transportation assets are kept current in the event of a world wide mobilization directive to relocate anywhere in the world and assemble at a moments notice.

May 27, 2007, retired. Served in the active military in the US Navy and in the US Air Force active reserves totaling in excess of 31 years of proud service to our country.

1981 HAWAII AIR NATIONAL GUARD

To 202/298 Air Traffic Control Flight-GCA Radar Supervisor, Section Leader-Reserve

1996 Security Classification: Top Secret  
Supervise a reserve contingent of six Radar electronics technicians in the operation and maintenance of the GCA radar mobile platform. Responsible for the readiness of the radar system for local or worldwide deployment and air traffic control missions, as well as, responsiveness to state wide natural disaster assistance. Military certification to operate all military vehicles up through the 5 Ton Tractor Trailer, 10K Forklift and all mobile and fixed diesel auxiliary power generators as part of the worldwide mobility requirements. Trained all section electronic technicians and air traffic control operators in the dismantling and assembling of the three can/trailer system for ship or C-5 aircraft deployments and transportation. Required through knowledge of the system electronics, mechanical, pneumatic and hydraulic systems to maintain operational readiness, effectiveness and operability during any civil or military conditions and deployments. Plan and schedule up to 27 technicians and support personnel assigned to deploy the GCA system. Maintain all of the logistics, administrative and transportation assets necessary to relocate and assemble at a moments notice during any real civil/war time or practiced scenario's on a real time basis. The HIANG 298 Combat Air Traffic Control Flight deactivated in April 1996, transferred to the HIANG 154<sup>th</sup> Combat Air Control Squadron on March 1, 1996.

1972 UNITED STATES NAVY  
to USS Queenfish SSN 651, Nuclear Attack Submarine  
1978 Operations Department Lead Technician

Performed all duties associated with the responsibilities as the Leading Petty Officer of the Operations Electronics Division. Planned, scheduled and implemented the ship's 3M computerized preventive maintenance and logistics documentation system. Performed preventive and corrective maintenance of a wide variety of electronics communications, navigation, surveillance and weapons systems. Provided technical expertise and personnel management in the performance of training and qualifying each individual in the division to meet the rigorous and stringent requirements of becoming certified in submarine systems qualifications, as well as, electronics systems operations and maintenance in the minimum required time constraints as set forth in the ships regulations. Attained three Navy Unit Commendations and one COMSUBRON ONE Commendation for performances on boards one of the Navy's most advanced and newest 637 Class fast attack "hunter killer" nuclear submarines.

1968 PACIFIC UNIVERSITY, FOREST GROVE, OREGON  
to Bachelor of Science Degree, Business & Economics  
1972

### **COURSES AND TRAINING**

- 1) Hazard Waste Operations Training:  
Completed a one week training course to meet the rigorous requirements as set forth by the US Department of Labor Occupational Safety and Health Administration Title 29 Code of Federal Regulations Section 1910.120 for the initial 40 hour off-site requirements. Unitek Environmental Consultants, Inc. September 18-22, 1995

- 2) FEMA Emergency Planning Course:  
Completed a one week emergency planning course at the Lihue Convention Center, taught by FEMA. April 10-13, 1995.
- 3) GCA Radar AN/MPN-14K O/I Maintenance Course (7 weeks-253 hours):  
Completed a seven week radar maintenance course in the maintenance, alignment and operations of a new US Air Force state-of-the-art digital/analog GCA radar. Kessler AFB, Biloxi, Mississippi - September 21, 1993
- 4) IFF/SIF Interrogator SET, AN/TPX-42 A:  
Completed a week training course in the functional alignment, operation and maintenance of the AN/TPX-42 A system, part of the AN/MPN-14 (V) GCA radar. The AN/TPX-42 A is the most modern IFF/SIF interrogator systems, in the Air Force GCA radar inventory, it is microprocessor controlled and is the latest of the digitized interrogator family, April 1987.
- 5) OJT Familiarization for Air Reserve Forces (ANG/AFRES), PDS Code 32Y:  
Course number J4AJF75000-009. Two day training course complete, February, 1987.
- 6) Fleet Satellite Communications Systems, An/USQ-64/81:  
Completed training course in the functional checkout, operation, and maintenance of the FLTSAT COM system installed in the Range Operations Center, Building 105; November, 1986, project installed by NAVELEXSYSCOM.
- 7) Rockwell International Microwave Systems; MAR-1108, MCS-11, HMX-2:  
Systems training for the new digital microwave system installed at Barking Sands, Makaha Ridge, NASA Kokee, 150<sup>th</sup> HANG Kokee and Niihau. November, 1986.
- 8) Communications Control Group, AN/FSA-58:  
Training course incorporation the new Air Traffic Control communications system installed by NAVELEXSYSCOM, August, 1986. Course outline included the VHF and UHF single channel and multi-channel transceivers and peripheral sub-systems; AN/GRT-21, AN/GRT-22, AN/GRR-23, AN/GRR-24, AN/GRC-211, AN/GRC-171, and the AN/FSA-58.
- 9) TACAN AN/FRN-42:  
Completed two week classroom course on the AN/FRN-42 tactical air navigation system installed at PMRF, Barking Sands, June, 1985. The course taught by NAVELEXSYSCOM, September, 1985, included the operation and maintenance of the AN/URN-25 transceiver system and the OE-258 antenna system.
- 10) Dynalectron Proposal Preparation Course:  
One week specialized training course incorporating the principles and techniques necessary in the preparation and writing of proposals for contract bids, specifically for the Pacific Missile Range Facility (PMFR), Barking Sands, Kauai, contract renewal, January 1986.
- 11) United States of America - Office of Personnel Management, Western Region Certificate of Training:



- Completed courses for "Handling Employee Drug and Alcohol Problems", Barking Sands, Kauai, Hawaii (April 11-12, 1983), 16 hours of classroom study.
- 12) RF-154DR Data Transmitter/Receiver Systems:  
Completed training course in the functional checkout, operation and maintenance of the RF-145DR system, two week course (40 hours/week); Harris Corporation - RF Communications Division, Rochester, New York 14610; course of training 17 July to 30 July 1982.
  - 13) The Supervisory Development Seminar:  
Completed a concentrated program of in-house study organized and directed by management and constituting an intensive review for managers of the principles of management; two day course (16 hours) 24 April 1980; Dynalectron Corporation, P.O. Box 428, Waimea, Hawaii 96796.
  - 14) Air Traffic Control Radar Repairman:  
Completed the Extension Course Institute - U.S. Air Force University (correspondence course), AFSC 30351, seven volumes covering Digital Techniques, Test Equipment, Maintenance, Transmitting and Receiving systems of the MPN-13 GCA Radar, MTI, Video Processors, Synchronizing - Indicating - Index Generators, Identification and Auxiliary Systems. Course length 12 months, completed January 1982.
  - 15) Air Traffic Control Radar Technician:  
Completed the Extension Course Institute - U.S. Air Force University (correspondence course), AFSC 30371, two volumes, course includes Supervision and Training Concepts, C-E Maintenance Management Concepts, Solid-State, and Digital Techniques. Course length 12 months, completed July 1983.
  - 16) Command NCO Academy Correspondence Course Military Skills:  
Completed the Extension Course Institute - U.S. Air Force University, AFSC course 0006A. The outlined course includes Air Force History, Organization and Mission, Military Law, and Military Training. Course length 12 months, completed April 1984.
  - 17) U.S. Air Force Supervisor's Course:  
Completed the Extension Course Institute - U.S. Air Force University, AFSC course 00011. The outlined course includes Human Relations and Communication and Leadership and Management. Course length 12 months, completed May 1985.
  - 18) Training Course on Grounding and shielding:  
Completed three days (December 11-13, 1979) of a comprehensive engineering course on the principles and application of grounding and shielding as critical techniques to eliminate unwanted radio frequency interference and machinery/generator electrical interference. Course instructed by Don White Consultants, Inc., Honolulu, Hawaii.
  - 19) Geographical Plot Evaluator (L-00-0060), NAVSUBTRACENPAC, Pearl Harbor, Hawaii  
Submarine target tracking and intercept course, May 12-13, 1977.

- 20) Periscope Photography (L-400-0010) NABSUBTRACENPAC, Pearl Harbor, Hawaii  
Team leader tasked to gather black and white and infra-red surveillance photos for the intelligence community, course included black/white and color development and infra-red systems utilization. Course length 5 days, may 23-27, 1977.
- 21) 15 B/D ADP CMB M Periscope (A-233-0037), NAVSUBTRACENPAC, Pearl Harbor, Hawaii  
The course of training included the operation and maintenance of the microwave electronic and electrical (E & E) subsystem within the 15 B/D periscope. Course length 5 days, February 22-25, 1977.
- 22) Fleet Satellite Submarine Information exchange system (SSIXS), Service School Command, Training Center, San Diego, California.  
The course included the operations and maintenance of the computerized satellite communications system, utilizing the Sperry-Univac AN/UYK-20 computer and the AN/WSC-3 UHF transceiver system. Course length 16 weeks, October 12, 1976 to February 18, 1977.
- 23) 15 B/D ADP CMB M Periscope (A233-0037), NAVSUBTRACENPAC, Pearl Harbor, Hawaii.  
Course of training included the operation and maintenance of the microwave electronic and electrical (E & E) subsystem within the 15 B/D periscope. Course length 5 days, September 29, 1975 to October 3, 1975.
- 24) Advance Electronic Satellite Communications OPEVAL, Service School Command, Naval Training Center, San Diego, California  
The Course included factory training representatives for the first prototype satellite communications system, tech-reps taught the operation and maintenance of the AN/UYK-20 computer, KG-36 crypto unit, An/WSC-3 transceiver, ON-143 Interface and tape reader unit, and the submarine antenna systems. Course length 16 weeks, February 18, 1975 to June 6, 1975.
- 25) Submarine damage control school (I-780-0010) NAVSUBTRACENPAC, Pearl Harbor, Hawaii  
Course of instruction included the Use of the emergency air breathing apparatus (EAB) and oxygen breathing apparatus (OBA) and the use of the damage control repair kits. Course length 5 days, October 7-11, 1974
- 26) AN/WLR-6 Maintenance (A-130-0073), NAVSUBTRACENPAC, Pearl Harbor, Hawaii  
Operation and maintenance of the electronic surveillance measures receiver systems on board the 637 Class Fast Attack Submarines, NEC 1481. Course length 16 weeks, March 18, 1974 to July 19, 1974
- 27) Enlisted Basic Submarine Course, Naval Submarine School, Groton, Connecticut  
The course included the basic electrical, electronic, pneumatic, hydraulic, service air, weapon systems and reactor and propulsion systems aboard a

640 Class Fleet Ballistic Missile Submarine. Course length 6 weeks, January 21, 1974 to February 27, 1974.

- 28) Electronic Technician A School, Phases A-1 through A-6, Advanced Radar, Naval Schools Command, Treasure Island, San Francisco, California  
The course included the operation and maintenance of the fleets radar and IFF systems: AN/SPS-10 radar, AN/SPS-40 radar, UPX-12 IFF systems, SPA-4/SPA-8/SPA-66 radar repeaters and ancillary ship associated radar antenna and interface subsystems. Course length 42 weeks, March 10, 1973 to August 1973.
- 29) Basic Electricity and Electronics, Naval Schools Command, NAVTRACEN, San Diego, California  
The course included the basic theory and principles of AC and DC circuits, digital techniques, understanding of electronic functional and block circuits, AM/FM/SSB theory and transmitting and receiving systems. Course length 6 weeks, January 30, 1973 to March 8, 1973
- 30) Pacific University, Forest Grove, Oregon  
Completed four years college with a Bachelor of Science degree in Business and Economics. September 1968 to June 1972.