

Minutes
Workforce Development Council Meeting
July 9, 2007

The sixth meeting of the Workforce Development Council was called to order at 2:00 PM on July 9, 2007 in the NewTec Headquarters Conference Room, Room 204, Building 1512, White Sands Missile Range, New Mexico.

Members Present

Dr. Stephen P. Castillo, Dean, College of Engineering, New Mexico State University

Mr. Oscar A. Perez, Jr., Western Technical College and Physical Science Laboratory, New Mexico State University

Dr. Richard T. Schoephoerster, Dean and Professor, College of Engineering, University of Texas at El Paso

Mr. Manny Pacillas, Assistant Dean, Advancement and Extension, College of Engineering, University of Texas at El Paso

Dr. Stephen Roach, Department of Computer Science, University of Texas at El Paso

Mr. Michael Adams, Dona Ana Community College

Mr. Enrique Arzaga, Western Technical College

Mr. John H. Fargason, Senior Vice President, TRAX International, Inc.

Mr. Frank A. Chavez, Deputy Test Center Commander, White Sands Missile Range

Ms. Norma Galvan, Civilian Personnel, White Sands Missile Range

Mr. Charles R. Garcia, President and CEO, NewTec

Mr. Roger D. Fate, Senior Vice President, NewTec

Mr. Vernon Diaz, Vice President, Operations, NewTec

Dr. David B. Soules, Vice President, Engineering, NewTec

Workforce Development Council Meeting Minutes (Cont)

Ms. Louise A. Wilkes, Department Manager, Human Resources, NewTec

Mr. A. James Simonin, Technical Consultant, TRAX International, NewTec Vice President Engineering, Retired,

Ms. April L. Vise, Technical Writer and Editor, NewTec

Each member of the Council was represented except for New Mexico State at Alamogordo and the El Paso Community College.

Introduction of the Attendees and Announcements

Mr. Charles Garcia welcomed the Council to NewTec.

There were several attendees new to the Workforce Development Council. Mr. Charles Garcia introduced Mr. Frank Chavez, Deputy Commander, White Sands Test Center and Ms. Norma Galvan, Civilian Personnel, White Sands Missile Range. White Sands Missile Range has been invited to join the Council and is considering membership.

Charlie also introduced and welcomed the new UTEP Dean of Engineering, Dr. Richard T. Schoephoerster, and the new Council member, Mr. John Fargason, Senior Vice President, TRAX International, Inc. Dr. Schoephoerster and Mr. Fargason expressed their support for the work of the Council. Dr. Schoephoerster moved into the Dean's position on July 1. At the last meeting, TRAX International was unanimously accepted as a Council member. TRAX International is a member company of the NewTec joint venture which also includes Computer Sciences Corporation, Lockheed Martin, and Northrop Grumman. Also, Mr. Fargason mentioned that Jim Simonin was representing TRAX International.

Approval of Minutes

The minutes of the April 30, 2007 meeting were accepted with no corrections, deletions, or additions.

Workforce Development Council Meeting Minutes (Cont)

Agenda

The agenda is at Attachment 1.

Information Items

Dona Ana Community College Begins Aerospace Technology Program: NewTec congratulated Dona Community College for launching a new Aerospace Technology Program. This was announced recently at ceremonies led by DACC Campus Executive Officer, Dr. Margie Huerta and Starchaser Industries Founder and Chief Executive Officer, Steve Bennett. The Starchaser Industries 37-foot Nova-Starchaser 4 rocket served as a backdrop for the ceremonies. DACC's Technical and Industrial Studies Division will begin offering aerospace classes in the fall 2007 semester. The program covers the construction, testing, and maintenance of aircraft and space vehicles. DACC is a member of a consortium of 15 community colleges around the nation that offer such career programs. Core competencies of the Aerospace Technology Program are applied mechanics, introduction to aerospace, aerospace safety, materials and processes, basic electricity, and tests and measurements.

UTEP Initiates a Certificate in Systems Engineering: Shortly after the meeting, Dr. Patricia Nava, chair of UTEP's Department of Electrical and Computer Engineering, relayed the information that UTEP has initiated a Graduate Certificate in Systems Engineering. The classes were piloted during the 2006-2007 academic year and will be offered this fall. During curriculum development, UTEP collaborated with NewTec on the recommended content of the core courses. This is one more example of the value of the Work Force Development Council's opportunities for cooperative efforts among the members. The GCSE is designed for working professionals and students with an interest in understanding and applying the systematic approach for development of very complex systems. A flyer describing the GCSE is included at Attachment 2.

NewTec's Employment Needs

Ms. Louise Wilkes briefed NewTec's employment needs. The current critical needs are for an electronic technician at the Aerial Cable Range, four telecommunications technicians up range at Stallion Site, an optical systems technician at Holloman Air Force

Workforce Development Council Meeting Minutes (Cont)

Base, and a total of six positions at White Sands Missile Range which include three system software integration engineers, one digital imaging software engineer, one cooperative technical writer/editor, and one cooperative electromagnetic and nuclear engineering test support aide. The position descriptions for these vacancies are included at Attachment 3.

Ms. Wilkes also briefed the highly successful NewTec recruitment results which are primarily attributable to NewTec's membership in the Workforce Development Council and NewTec's association with the Council members. To date, a total of 26 NewTec hires have resulted from the efforts of the Workforce Development Council. Ms. Wilkes' briefing charts are also included at Attachment 3.

Activities Since Last Meeting

NewTec reported on the Council's activities since the last meeting.

UTEP/NewTec Collaboration on Texas Technology Workforce Development Grant: Collaboration continues on the Texas Technology Workforce Development Grant. Dave Soules has added Mr. Hector Mendoza, NewTec Software Engineer as another contact for support of this effort.

Components for NMSU-A: Dave Soules reported that NewTec is in the process of transferring miscellaneous electronic equipment and components to NMSU-A and the Dona Ana Community College in support of their electronic technology courses.

UTEP Assistance with Fracture Mechanics Analysis: UTEP is assisting NewTec with support of a fracture mechanics analysis of a pressure vessel.

NewTec Supports UTEP Computer Science Curriculum Advisory Board: Dave Soules reported that, at the invitation of Dr. Ann Gates, Chair of UTEP's Computer Sciences Department, NewTec will serve on the Department's Curriculum Advisory Board. Their next meeting is scheduled for July 13, 2007, and will be attended by Mr. Hector Mendoza from NewTec. Mr. Mendoza is a software engineer in NewTec's Engineering Services Section.

Workforce Development Council Meeting Minutes (Cont)

Action Items from the Last Meeting

NewTec Funding of Laboratories and Research Projects:

UTEP: Mr. Garcia, Dr. Schoephoerster, and Mr. Pacillas reported that NewTec and UTEP have signed an agreement regarding NewTec's funding for laboratories and research projects. It was decided to combine the \$15,000 for senior projects and the \$10,000 in scholarship funds, previously awarded by NewTec, in a NewTec Endowed Scholarship Fund. The remaining \$15,000 was presented to UTEP by Mr. Garcia at the signing ceremony for the endowment agreement held on July 3, 2007 at UTEP. Dr. Schoephoerster, Dean of UTEP's College of Engineering, accepted the funds on behalf of UTEP. In addition to Mr. Garcia and Dr. Schoephoerster, the ceremony was attended by Mr. Pacillas, Assistant Dean, and Dr. Kelley, Chairman of the Workforce Development Council.

NMSU: Dr. Castillo and Mr. Garcia reported that NMSU has elected to keep the funds separate.

Presentation on Computing Alliance for Hispanic-Serving Institutions: At the last meeting, Dr. Gates volunteered to share information on the Computing Alliance. Dr. Gates was unable to attend, and her briefing will be carried forward to the next agenda.

WSMR Decision Regarding WDC Membership: Mr. Garcia and Mr. Chavez reported the membership decision was pending.

Action Item: Relay WSMR Decision to Mr. Garcia – Ms. Sally Smoot/WSMR

New Topics for Action/Discussion

Consider Adding NewTec (EPG) as a Member of the WDC: Mr. Roger Fate, NewTec Senior Vice President and Program Manager of NewTec's contract at the Electronic Proving Ground at Fort Huachuca, Arizona, requested that the Council consider including NewTec (EPG) as a member. After a discussion by the Members, the Council unanimously voted to add NewTec (EPG) as member of the Workforce Development Council. There are now nine members of the WDC: DACC, EPCC,

Workforce Development Council Meeting Minutes (Cont)

NMSU, NMSU-A, UTEP, WTC, NewTec (WSMR), TRAX International, and NewTec (EPG). Mr. Fate reported that currently NewTec (EPG) has 74 job postings. Their job postings are included on the NewTec web site, www.newtecllc.com. He stated that, although these positions are posted as full-time, most NewTec (EPG) systems could be turned into co-operative student positions.

TRAX Recruitment Challenges: Mr. Fargason and Mr. Simonin reported that TRAX faces recruitment challenges due to the rapid expansion of services needed at the Yuma Proving Ground. This is exacerbated by the limited local employee pool in the county and state. They also reported that a student co-operative agreement is now in place at both NMSU and UTEP. Current TRAX (YPG) job openings can be reviewed at www.eciii.com.

WSMR Co-Op Program: Mr. Chavez and Ms. Galvan related that WSMR encourages students to apply to their internal co-op program through the WSMR Civilian Personnel employment web site, <http://acpol.army.mil/employment/>. Additional job announcements will be posted July 16, 2007.

Upcoming Career Fairs: NewTec and WSMR will be attending three upcoming career fairs: NMSU – September 20; UTEP – 20 & 21 September; and New Mexico Tech – 28 September.

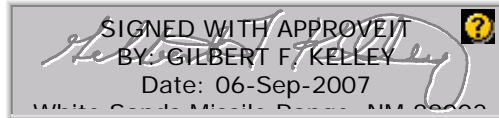
Date, Location, and Time for the Next Meeting

The next meeting of the WDC will be in October. The date and location will be announced at a later date.

Workforce Development Council Meeting Minutes (Cont)

Adjourn for Tour: There being no further business to discuss, the Council adjourned for a tour of the Cox Range Control Center of White Sands Missile Range.

Respectfully submitted,



Gilbert F. Kelley
Chairman

Attachments (WDC Minutes 7/9/2007)

1. Agenda
2. UTEP Flyer on SE Graduate Certificate
3. NewTec Employment Needs

7/3/07

Agenda for July 9, 2007 Workforce Development Council Meeting
2:00 PM – 3:00 PM, NewTec Headquarters Conference Room, Room 204,
Building 1512, White Sands Missile Range, New Mexico

Events After the Meeting (3:00 PM – 4:00 PM): Tour of the WSMR Cox Range Control Center

- Introduction of Attendees and Sign In
- Review of Meeting Agenda – All
- Review and Approval of Minutes from April 30, 2007 Meeting – Members
- Information Item
 - Welcome TRAX International - Garcia
 - Congratulations – DACC Launches New Aerospace Technology Program
- NewTec’s Employment Needs – Wilkes
- NewTec Recruitment Results – Wilkes
- Activities Since Last Meeting
 - UTEP/NewTec Collaboration on Project to Stimulate Interest in Computer Science by Secondary School Students – Soules
 - Components for NMSU-A - Soules
 - UTEP Assistance with Fracture Mechanics Analysis – Diaz
 - NewTec Supports UTEP Computer Science Curriculum Advisory Board - Soules
- Review of Action Items from Last Meeting
 - NewTec Funding of Laboratories and Research Projects – Garcia
 - Presentation on Computing Alliance for Hispanic-Serving Institutions – Dr. Ann Gates

7/3/07

Agenda for July 9, 2007 Workforce Development Council Meeting
(Continued)

- WSMR Decision Regarding WDC Membership – Garcia and Smoot
- Review of New Action Items
 - Consider Adding NewTec (EPG) as Member – Roger Fate
 - Anything Else?
- Date, Location, and Time for Next Meeting – All
- Adjourn for Tour – All

Offered by
THE COLLEGE OF ENGINEERING

GRADUATE CERTIFICATE

in

Systems Engineering



AT
THE
UNIVERSITY
OF
TEXAS
AT
EL PASO

the evolving global economy and particular market demands an increasing number of engineers with interdisciplinary and systems based training able to continuously adapt to societal and geopolitical changes being brought by advances in technology.

The **Graduate Certificate in Systems Engineering (GCSE)** prepares engineers in the process framework to define, develop, implement and test complex systems of the 21st Century. Graduates will be able to undertake the understanding of new applications of engineering models in a constantly changing environment.

The **GCSE** is a 15 credit hours program with 5 core courses designed around the use of case studies of successful systems of systems implementations as learning tools.

The 5 core courses include:

- Systems Engineering Fundamentals & Architectures
- Requirements Engineering/Analysis
- Program and Systems Engineering Management
- Systems Integration, Verification & Validation
- Project Practicum.

The **GCSE** is designed for working professionals and students - young and old - with an interest in understanding and applying the systematic approach for development of very complex systems.

Courses taken in the **GCSE** can be credited toward a Masters in Systems Engineering or an Interdisciplinary Masters of Science in Engineering.

For more information contact:

Dr. Ricardo Pineda
Systems Engineering Director
E-mail: rlpineda@utep.edu

Dr. Benjamin Flores
Associate Dean of Graduate Studies
E-mail: bflores@utep.edu



NewTec's Employment Needs

- **Optical Systems Technician C: 1 at HAFB**
- **Electronic Technician B: 1 at Aerial Cable Range**
- **Telecommunications Technicians: 4 Up Range**
- **System Software Integration Engineer: 3 at WSMR**
- **Digital Imaging Software Engineer: 1 at WSMR**
- **CoOp Technical Writer/Editor: 1 at WSMR**
- **CoOp Electromagnetic & Nuclear Engineering Test Support Aide: 1 at WSMR**

NewTec Recruitment Results

- **Total hires: 26**
 - ✓ **9 Electronic Technicians**
 - ✓ **3 Optical Systems Technicians**
 - ✓ **2 Missile Instrumentation Electronic Technicians**
 - ✓ **1 Frequency Monitoring Electronic Technician**
 - ✓ **1 Software Engineer**
 - ✓ **3 Project Engineers**
 - ✓ **7 CoOps: 6 - Electromagnetic & Nuclear Engineering Test Support Aide; 1 – Technical Writer/Editor (3 CoOps to Full Time: 1 – NewTec; 2 – Syndetix)**



JOB POSTING NO: 562
Posting Date: 26 Apr 2007
Closing Date: 3 May 2007

SOFTWARE SYSTEM INTEGRATION ENGINEER
FIVE (5) POSITIONS
(EXEMPT POSITION)
DATA SCIENCES DEPARTMENT
WHITE SANDS MISSILE RANGE (WSMR)

POSITION DESCRIPTION: Applies background knowledge and expertise to support integration, troubleshooting and maintenance of network-centric military software in a simulation test facility at WSMR. Tasks include installing, integrating and operating Future Combat Systems (FCS) Vehicle/Platform simulations, FCS Simulation Environment (FSE) software; generating test plans, test descriptions, test procedures and test reports; and possible software operation during developmental tests. Will be part of a team to determine the root cause of software integration issues. Will require initial travel for at least two months to the FCS software integration location at Huntington Beach, CA.

MINIMUM QUALIFICATION REQUIREMENTS: Bachelor of Science degree in computer science, engineering, physics, or mathematics. A minimum of two years related progressive experience in testing, integration of software, hardware, systems and system of systems. Proficiency in developing/incorporating scripts that aid in setting up environments to stimulate interfaces, troubleshoot and debug. Must possess a valid driver's license. Applicant selected will be subject to a security investigation and must meet eligibility requirements for access to classified information.

DESIRED QUALIFICATIONS: Experience with Linux/Unix/Windows networking along with IT security solutions with TCP/IP implementation. Qualification testing of software in a Software Engineering Institute (SEI) Capability Maturity Model (CMM) Level 3 (or higher) environment. Previous military experience or experience in Test and Evaluation of major military software systems is a plus. Experience with High Level Architecture (HLA) Federation Object Model (FOM)-compliant software or experience with military command and control software packages. Experience and familiarity with Computer Generated Force (CGF) applications. Should possess good communication and interpersonal skills and work effectively with team members.

Incumbent employees should submit a written request for consideration to the Human Resources Manager, Building 1512 Room 105. All other applicants should submit an application to the Human Resources Manager, P.O. Box 398, WSMR, NM 88002. Faxed applications received before the closing date are acceptable and may be addressed as above to (505) 678-6675. Applications can be found on the website: www.newtecllc.com under the "Careers" tab.



JOB POSTING NO: 568
Posting Date: 21 May 2007
Closing Date: 29 May 2007

MULTIPLE POSITIONS JOB POSTING
TELECOMMUNICATIONS TECHNICIANS A, B, C AND SPECIALIST
POSITIONS WILL BE FILLED BASED ON CANDIDATES' QUALIFICATIONS AND
EXPERIENCE LEVEL

TELECOMMUNICATIONS TECHNICIAN C
DATA SCIENCES DEPARTMENT
NORTH RANGE
Employee Rate - \$21.34/HR

POSITION DESCRIPTION: Applies technical knowledge, principles, methods and techniques in the operation, maintenance and troubleshooting of digital and analog telecommunications equipment and systems.

Performs system and equipment checkout prior to mission support requirements to ensure proper operation of the telecommunications circuits, cable facilities, microwave systems, cable carriers, fiber-optics, line treatment equipment and interface equipment pertaining to UHV/VHF radio, microwave, Data, and Flight Termination Systems.

Must understand and follow PMSP, calibration, security, safety, property control, and environmental procedures. May be required to complete daily and monthly operation and maintenance reports as well as specific incident reports.

Work may be reviewed by a supervisor, engineer or higher level technician for compliance with generally accepted practices.

Work will include cross-utilization into other jobs as required. May require some overtime, weekend work, and TDY assignments.

PHYSICAL REQUIREMENTS: Work requirements will involve carrying and lifting of items up to 50 pounds over unimproved ground.

MINIMUM QUALIFICATION REQUIREMENTS: Must be a graduate of a two-year resident course in an applicable specialty at an accredited college or technical institute or have a minimum of two years progressive experience in telecommunications electronics. Must possess a valid driver's license. Applicant selected may be subject to a security investigation and must meet eligibility requirements for access to classified information.

Incumbent employees should submit a written request for consideration to the Human Resources Manager, Building 1512, Room 105. All other applicants should submit an application to the NewTec Human Resources Manager, P.O. Box 398, WSMR, NM 88002. Faxed applications received before the closing date are acceptable and may be addressed as above to (505) 678-6675. NewTec applications can be found on the website, under the Careers tab: www.newtecllc.com.



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Closing Date: 29 May 2007

MULTIPLE POSITIONS JOB POSTING
TELECOMMUNICATIONS TECHNICIANS A, B, C AND SPECIALIST
POSITIONS WILL BE FILLED BASED ON CANDIDATES' QUALIFICATIONS AND
EXPERIENCE LEVEL

TELECOMMUNICATIONS TECHNICIAN B
DATA SCIENCES DEPARTMENT
NORTH RANGE
Employee Rate - \$23.90/HR

POSITION DESCRIPTION: Operates, maintains, repairs, installs, and assists in modification of various types of telecommunications equipment. Accomplishes recurring telecommunications assignments independently. Applies technical knowledge to solve complex problems that typically cannot be solved solely by routine procedures, such as isolating malfunctions in communications circuits, cable facilities, line treatment equipment, and interface equipment pertaining to UHF/VHF radio, microwave, data, and flight termination systems. Work requires a current working knowledge of the types, quantities, of systems and equipment utilized within assigned area of responsibility. Provides technical advice and recommendations on the resolution of operational problems.

Must understand and follow PMSP, calibration, security, safety, property control, and environmental procedures. May be required to complete daily and monthly operation and maintenance reports as well as specific incident reports.

Work may be reviewed by a supervisor, engineer or higher level technician for compliance with generally accepted practices. Must be able to provide technical guidance to lower level technicians and equipment operators. Work will include cross-utilization into other jobs as required. May require some overtime, weekend work, and TDY assignments.

PHYSICAL REQUIREMENTS: Work requirements will involve carrying and lifting of items up to 50 pounds over unimproved ground.

MINIMUM QUALIFICATION REQUIREMENTS: Must be a graduate of a two-year resident course in an applicable specialty at an accredited college or technical institute with a minimum of two years progressive experience in telecommunications electronics. Three additional years of progressive experience in the specific field may be substituted for the academic requirements (a total of five years experience). Must possess valid driver's license. Applicant selected may be subject to a security investigation and must meet eligibility requirements for access to classified information.

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Closing Date: 29 May 2007

MULTIPLE POSITIONS JOB POSTING
TELECOMMUNICATIONS TECHNICIANS A, B, C AND SPECIALIST
POSITIONS WILL BE FILLED BASED ON CANDIDATES' QUALIFICATIONS AND
EXPERIENCE LEVEL

TELECOMMUNICATIONS TECHNICIAN A
DATA SCIENCES DEPARTMENT
NORTH RANGE
Employee Rate - \$26.11/HR

POSITION DESCRIPTION: Operates, maintains, repairs the Command Guidance Destruct systems at Salinas Peak, Red Butte, C-Station, Clark Site or Mobile Command Transmitter Equipment. Serves as a Technical Control Facility (TCF) at different geographic locations at South, Central, or North Range areas. Operates telecommunications equipment and systems during range missions, tests and verifies electronic circuit performance of a variety of telecommunications systems and equipment, pertaining to UHF/VHF radio, microwave, Data, and Flight Terminations System (FTS).

Applies advanced knowledge to solve unusually complex problems that typically cannot be solved solely by referencing manufacturers' manuals or similar documents. Examples of such problems may include isolating malfunctions and unexpected interactions, and incorporating engineering changes. Performs or directs the performance of complex laboratory measurements, i.e., analog and digital communications circuits, cable facilities, microwave systems, cable carriers, fiber-optics, line treatment equipment, and interface equipment. Work requires a current working knowledge of the types, quantities, of systems and equipment utilized within assigned area of responsibility. Receives trouble calls, diagnoses problems, initiates remedial repairs, and provides technical advice and recommendations on the resolution of operational problems. Must understand and follow PMSP, calibration, security, safety, property control, and environmental procedures. May be required to complete daily and monthly operation and maintenance reports as well as specific incident reports.

Work may be reviewed by a supervisor or engineer for compliance with generally accepted practices. Must be able to provide technical guidance to lower level technicians and equipment operators. Work will include cross-utilization into other jobs as required. May require some overtime, weekend work, and TDY assignments.

PHYSICAL REQUIREMENTS: Work requirements will involve carrying and lifting of items up to 50 pounds over unimproved ground.

MINIMUM QUALIFICATION REQUIREMENTS: Must be a graduate of a two-year resident course in an applicable specialty at an accredited college or technical institute with a minimum of three years progressive experience in telecommunications electronics. Three additional years of progressive experience in the specific field may be substituted for the academic requirements (a total of six years experience). Must possess a valid driver's license. Applicant selected may be subject to a security investigation and must meet eligibility requirements for access to classified information.

Incumbent employees should submit a written request for consideration to the Human Resources Manager, Building 1512, Room 105. All other applicants should submit an application to the NewTec Human Resources Manager, P.O. Box 398, WSMR, NM 88002. Faxed applications received before the closing date are acceptable and may be addressed as above to (505) 678-6675.

NewTec applications can be found on the website, under the Careers tab: www.newtecllc.com.



JOB POSTING NO: 568
Posting Date: 21 May 2007
Closing Date: 29 May 2007

MULTIPLE POSITIONS JOB POSTING
TELECOMMUNICATIONS TECHNICIANS A, B, C AND SPECIALIST
POSITIONS WILL BE FILLED BASED ON CANDIDATES' QUALIFICATIONS AND
EXPERIENCE LEVEL

TELECOMMUNICATIONS SPECIALIST
DATA SCIENCES DEPARTMENT
NORTH RANGE
Employee Rate - \$27.58/HR

POSITION DESCRIPTION: Performs operations controller functions and a wide variety of technical duties in support of RDT&E tests and missions at WSMR. Operates, maintains, and analyzes the Command Guidance Destruct Transmitter Systems at Salinas Peak, Red Butte, C-Station, Clark Site or Mobile Command Transmitter Equipment. May be assigned responsibility for operation of a Technical Control Facility (TCF) at different geographic locations at South, Central, or North Range or at off-Range locations. Applies technical knowledge in directing the installation, maintenance, mission operation, and testing of communications circuits, and equipment in such systems as the Flight Termination System (FTS), UHF/VHF radios, microwave, and fiber optic interface equipment. Must be able to apply a wide range of knowledge of communications concepts, principles, and practices to review, analyze, and resolve difficult and complex telecommunications problems to ensure optimum mission support services are provided. Coordinates with various communications sites to resolve operational and technical problems. Applies technical knowledge of communications circuits, cable facilities, microwave systems, cable carriers, fiber optics, line treatment equipment and interface equipment to resolve operational problems. Performs system and equipment checkouts prior to supporting Range missions and tests. Maintains and applies a current working knowledge of systems and equipment, and interface capabilities with other geographical areas on WSMR and commercial facilities. Advises personnel on changes in communications requirements and configurations affecting a particular mission. Maintains an ongoing familiarity with particular tests, as well as acceptable communications substitutes. Must understand and follow PMSP, calibration, security, safety, property control, and environmental procedures. May be required to complete daily, and monthly operation and maintenance reports, as well as specific incident reports. Work may be reviewed by a supervisor or engineer for compliance with generally accepted practices. Must be able to provide technical guidance to lower level technicians and equipment operators. Work will include cross-utilization into other jobs as required. May require some overtime, weekend work and TDY assignments.

PHYSICAL REQUIREMENTS: Work requirements will involve carrying and lifting of items up to 50 pounds over unimproved ground.

MINIMUM QUALIFICATION REQUIREMENTS: Must be a graduate of a two-year resident course in an applicable specialty at an accredited college or technical institution with five years of progressive experience in the specialty field or a total of eight years of progressive experience in the specific field. Must be familiar with the operation and maintenance of equipment applicable to the specialty and associated test equipment. Must possess a valid driver's license. Applicant selected may be subject to a security investigation and must meet eligibility requirements for access to classified data.

Incumbent employees should submit a written request for consideration to the Human Resources Manager, Building 1512, Room 105. All other applicants should submit an application to the NewTec Human Resources Manager, P.O. Box 398, WSMR, NM 88002. Faxed applications received before the closing date are acceptable and may be addressed as above to (505) 678-6675. NewTec applications can be found on the website, under the Careers tab: www.newtecllc.com.



JOB POSTING NO: 571
Posting Date: 22 May 2007
Closing Date: 30 May 2007

OPTICAL SYSTEMS TECHNICIAN C
OPTICS DEPARTMENT
VIDEO MAINTENANCE SECTION
HOLLOMAN AIR FORCE BASE
Employee Rate: \$21.34/HR

POSITION DESCRIPTION: Operates, calibrates, and maintains optical instrumentation, control and peripheral equipment. Applies knowledge of state-of-the-art digital integrated circuits, linear integrated circuits, digital and linear systems, power control and servo systems. Trouble-shoots, adjusts and operates equipment and systems using standard test equipment, manuals, systems schematics and checklists. With supervision, installs, operates, trouble-shoots, repairs and modifies electronic and optical equipment. Receives technical guidance, as required, from supervisor or higher level technician. Will be required to perform under critical test environment and work indoors and outdoors, as well as in inclement weather conditions.

Work will include associated cross-utilization into other jobs as required. May require some overtime and weekend work.

MINIMUM QUALIFICATION REQUIREMENTS: Include demonstration of satisfactory skill and good performance with three years of progressive work experience in the specific field or graduation from a two-year resident course at a technical institute. Must possess a valid driver's license and be eligible to obtain a CDL. Applicant selected may be subject to a security investigation and must meet eligibility requirements for access to classified information.

DESIRED QUALIFICATIONS: Preference will be given to candidates possessing specific experience with operating and maintaining computer controlled systems.

Incumbent employees should submit a written request for consideration to the Human Resources Manager, Building 1512, Room 105. All other applicants should submit an application to the Human Resources Manager, P.O. Box 398, WSMR, NM 88002. Faxed applications received before the closing date are acceptable and may be addressed as above to (505) 678-6675.

NewTec applications can be found on the website, under the Careers tab: www.newtecllc.com.



JOB POSTING NO: 572
Posting Date: 23 May 2007
Closing Date: 31 May 2007

ELECTRONIC TECHNICIAN B
PROGRAM SUPPORT DEPARTMENT
AERIAL CABLE RANGE (approximately 50 miles SE of Socorro, NM)
Employee Rate: \$23.90/HR

POSITION DESCRIPTION: Operates, maintains, repairs, and installs various types of electronic equipment and related devices such as electronic transmitting and receiving equipment (e.g., radar, radio, television, telecommunication, sonar, and navigational aids); personal and mainframe computers and terminals; industrial, measuring, and controlling equipment; and industrial robotic devices. Applies technical knowledge of electronics principles in determining equipment malfunctions, and applies skills in restoring equipment operations.

Sets up, operates and maintains a variety of electronic instrumentation equipment. Applies comprehensive technical knowledge to solve complex problems by interpreting manufacturers' manuals or similar documents. Work requires familiarity with the interrelationships of circuits and judgment in planning work sequence and in selecting tools and testing instruments. Performance tests electronic systems and equipment prior to test support to verify operation is within OEM and test support parameters.

Receives technical guidance, as required, from supervisor or higher level technician, and work is reviewed for compliance with accepted practices. Provides technical guidance to lower level technicians.

Work will include associated cross-utilization into other jobs as required. May require TDY, overtime, and weekend work.

MINIMUM QUALIFICATION REQUIREMENTS: Demonstration of satisfactory skill and good performance in the particular field; two years progressive experience in the specific field in addition to graduation from a two-year resident course at a technical institute, or a total of five years progressive experience in the specific field. Must possess a valid driver's license. Applicant selected may be subject to a security investigation and must meet eligibility requirements for access to classified information.

PHYSICAL REQUIREMENTS: May be required to perform under critical test environment (heavy schedules/constraints). Requires ability to work at heights in excess of 100 feet above ground while supported by towers, cranes, and other man-made lifting devices, as well as the ability to work in close quarters and hard-to-maneuver locations such as in the fuselage of an aircraft. Requires working outdoors, as well as in inclement weather conditions. Will need to be able to climb towers and mountains, as well as lift heavy articles (up to 75 pounds).

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JOB POSTING NO: 574
Posting Date: 7 June 2007
Closing Date: 14 June 2007

**DIGITAL IMAGING SOFTWARE ENGINEER
(EXEMPT POSITION)
ENGINEERING DEPARTMENT – ENGINEERING SERVICES SECTION
WHITE SANDS MISSILE RANGE**

POSITION DESCRIPTION: Develop, test and implement complex software applications on a variety of hardware platforms and operating systems. Emphasis is on PCs running Windows and Linux. Application development may involve digital image acquisition, processing, compression, and streaming, as well as data formatting, network transmission, signal processing, motion control, robotics and GUI interface development. Knowledge of parallelization techniques, multi-threading, software optimization, and real-time programming are desired for meeting project performance requirements.

MINIMUM QUALIFICATION REQUIREMENTS: Bachelor degree in Computer Science, Engineering, Physics or Mathematics. Must have programming experience in C, Visual C++ and Microsoft .NET, and a strong familiarity with Windows operating systems. Must have knowledge of basic image processing fundamentals and familiarity with commercial frame grabbers. Must possess a valid driver's license. Applicant selected will be subject to a security investigation and must meet eligibility requirements for access to classified information.

DESIRED QUALIFICATIONS: Masters Degree or higher. Strong programming and engineering, mathematics or physics background. Experience with Matrox frame grabbers and the Matrox Imaging Library, National Instruments LabView, Microsoft Windows Media development tools, MPEG-2, H.264, JPEG2000, Media Exchange Format (MXF), and the DoD Motion Imagery Standards Profile. Familiarity with motion control and target tracking fundamentals. Programming embedded hardware, such as Altera and Xilinx FPGAs and CPLDs. Familiarity with electronic design principles and complex digital image processing and analysis techniques.

Incumbent employees should submit a written request for consideration to the Human Resources Manager, Building 1512, Room 105. All other applicants should submit an application to the Human Resources Manager, P.O. Box 398, WSMR, NM 88002. Faxed applications received before the closing date are acceptable and may be addressed as above to (505) 678-6675. Applications can be found on the website: www.newtecllc.com under the "Careers" tab.