



*Dr. Andrew J. Perry, PE, NSPE, IECQ-ECCB, RABQSA, ASQ-CQA*  
727 Vaquero Drive • Mountain View, CA 94043-3138  
Phone: (650) 964-1961 • Email: *1andyperry2@sbcglobal.net*

*Prepared*  
March 14, 2012

# ***REFERENCE MATRIX***

**Experience Relating to Activities and Commendations**

## Experience Relating to Activities and Accomplishments

Type and Description of Experience	References	Page
<p><b>1. Supervision of Professional and Technical Staff.</b></p> <p>For over 25 years, Senior Management positions have included responsibilities for the supervision of administrative assistants as well as:</p> <p>a. <b>Engineering</b> professional and technical personnel such as Design Engineers, Designers, Technicians and Document Control personnel.</p> <p>b. <b>Quality</b> professional and technical personnel such as Quality Engineers, Reliability Engineers, Supplier Quality Engineers, Technicians, Inspectors, and Test personnel.</p>	<p><i>Resume</i></p> <ul style="list-style-type: none"> <li>▪ AMPHENOL Project Engineer, Nuclear Products Development 5</li> <li>▪ PE Reference dated 03/02/77 24</li> <li>▪ AMPHENOL QA Lab Head Responsibilities – Nuclear 6</li> <li>▪ PE References dated 03/02/77 26</li> <li>▪ AETL Letter dated 09/02/77 37</li> <li>▪ Employees' Comments 38</li> </ul>	
<p><b>2. Planning and directing project team mission statements, objectives, scope, tasks, quality assessment, schedules, budget, evaluating and reporting on project progress, developing base line measures, decision-making, change management, annual review, and project completion.</b></p> <p>a. For over 15 years, responsibilities included all of the above activities as a consultant and holding concurrently a Quality Assurance Director level position reporting to the President</p> <p>b. Decisions included:</p> <ul style="list-style-type: none"> <li>▪ Company-wide Quality Management System provisions</li> <li>▪ Supplier qualification</li> <li>▪ Strategies for customer satisfaction</li> <li>▪ Equipment and personnel qualification</li> <li>▪ Disposition of nonconforming items and determination of corrective action</li> <li>▪ Training program elements</li> </ul>	<p>JOB EXPERIENCE section of <i>Resume</i>, from 5/86 to the present</p> <ul style="list-style-type: none"> <li>▪ AMPHENOL Project Engineer, Nuclear Products Dev. 5</li> <li>▪ 1996 MBNQA Ref. 7</li> <li>▪ 1997 MBNQA Ref. 8</li> <li>▪ RES Letter 9/22/97 9</li> <li>▪ NASA Memo D/200-1 10</li> <li>▪ AKT Memo 04/25/01 11</li> <li>▪ RAB Reference 35</li> </ul>	
<p><b>3. Representing the organization in meetings, presentations, decisions, or negotiations with government agencies or stakeholders.</b></p> <p><u>Taking the lead in conducting numerous meetings and presentations:</u></p> <p>a. In design and construction of Qualification Test Facilities for Nuclear Reactor Penetration Assemblies with the Defense Contractors Administration Service (Federal), Nuclear Regulatory Commission (Federal), U.S. Dept. of the Interior (Federal), Bonneville Power Administration (Federal), Dept. of Industrial Relations – Div. of Industrial Safety (State of Calif.), Dept. of Building and Safety (Los Angeles City) regarding:</p> <p>b. Establishment and implementation of company-wide Quality Management System provisions</p>	<ul style="list-style-type: none"> <li>▪ USDI Letter 07/21/ 76 12</li> <li>▪ AMPHENOL Letter 12/01/76 13</li> </ul> <p>JOB EXPERIENCE section of <i>Resume</i></p>	

## EXPERIENCE - As Relating To Activities and Accomplishments

Type and Description of Experience	References	Page
<p><b>4. Leading groups or participating in groups to consensus or group decisions.</b></p> <p>a. Led hundreds of groups to consensus through more than 25 years of executive-level experience dealing with product configuration and content of the company Quality Management System. The final decisions relative to product configuration were made by the President or VP of Engineering. The final decisions relative to the company Quality Management System were made by myself.</p> <ul style="list-style-type: none"> <li>▪ Company-wide Quality Management System provisions</li> <li>▪ Supplier qualification</li> <li>▪ Strategies for customer satisfaction</li> <li>▪ Equipment and personnel qualification</li> <li>▪ Disposition of nonconforming items and determination of corrective action</li> <li>▪ Training program elements</li> </ul> <p>b. <u>Teaching decision-making techniques and arriving at a consensus</u> as part of <i>Continuous Improvement Program</i> course</p>	<ul style="list-style-type: none"> <li>▪ 1996 MBNQA Ref. 7</li> <li>▪ 1997 MBNQA Ref. 8</li> <li>▪ RES Letter dated 9/22/97 9</li> <li>▪ NASA Memo D/200-1 10</li> <li>▪ AKT Memo dated 04/25/01 11</li> <li>▪ AKT Commendation Plaque 28</li> </ul> <p>CIP Course Text Table of Contents 14</p>	
<p><b>5. Preparing, reviewing, negotiating, monitoring, and administering agreements and contract documents, including scope of services with consultants and professional service contracts.</b></p> <p>a. As a consultant and holding concurrently a Quality Assurance Director level position reporting to the President for the past 15+ years,</p> <ul style="list-style-type: none"> <li>▪ Prepared, reviewed, approved, negotiated, monitored, and administered numerous agreements and contract documents, including scope of services with consultants and professional service contracts for Quality Assurance and Reliability activities ranging the hundreds of thousands of dollars.</li> <li>▪ Reviewed and approved hundreds engineering and procurement agreements, contract documents, and Statements of Work, many valued in the millions of dollars.</li> </ul> <p>b. As President of my consulting firm, <i>New World Consulting Service</i> for the past 25+ years, prepared, reviewed, approved, negotiated, monitored, and administered numerous agreements and contract documents, including scope of services between clients and myself ranging the hundreds of thousands of dollars.</p>	<p>Proprietary documents - not available for review</p> <p>Proprietary documents - not available for review</p>	
<p><b>6. Serving as project/program manager for various projects.</b></p> <p>Organized, directed, lead, planned, and reviewed the work of staff; monitored and controlled project schedule and expenditures; evaluated work products compared to objectives; provided training and technical support to staff in all activities and department:</p> <p>a. For over 25 years as a consultant and holding concurrently the position as ISO/TQM Program Manager/ QA Director relative to the <u>establishment and implementation of the Company Quality Management System</u>. Normally, the President deferred to my decisions.</p>	<p><i>Resume</i></p>	

## EXPERIENCE - As Relating To Activities and Accomplishments

Type and Description of Experience	References	Page
<p>b. Between 1976-1986 for (1) Amphenol as <i>Sr. Project Engineer</i> and QA Laboratory Department Head for varied Aerospace and Nuclear Power Plant projects, and (2) for General Electric as <i>Sr. QA Project Engineer</i> and <i>Technical Program Manager</i> for Nuclear Power Plant projects.</p>	<ul style="list-style-type: none"> <li>▪ AMPHENOL <i>Project Engineer, Nuclear Products Development</i></li> <li>▪ GE Letter 4/17/80</li> <li>▪ News article dated 02/16/79</li> <li>▪ GE Letter dated 09/04/85</li> <li>▪ GE Letter dated 09/29/85</li> </ul>	<p>5</p> <p>15</p> <p>16</p> <p>19</p> <p>20</p>
<p><b>7. Teaching and Training.</b></p> <ul style="list-style-type: none"> <li>▪ Nondestructive Testing</li> <li>▪ Industry vs. University relations</li> <li>▪ QA/ISO Quality Management Systems</li> <li>▪ Quality Audits</li> <li>▪ TQM, SPC, 6 Sigma</li> <li>▪ Customer Service</li> <li>▪ Decision Making</li> <li>▪ Effective Meetings</li> </ul>	<ul style="list-style-type: none"> <li>▪ ASNT NDT Course Announcements</li> <li>▪ Oxman College Announcement</li> <li>▪ <i>Resume</i></li> <li>▪ Course Announcement for <i>Path to ISO Registration</i></li> <li>▪ ASQ letter dated 09/30/97</li> <li>▪ Auditor Training Course</li> <li>▪ CIP Course Text Table of Contents</li> <li>▪ Hernandez Eng. letter</li> <li>▪ BSI Bio</li> </ul>	<p>17, 18</p> <p>33</p> <p>21</p> <p>22</p> <p>23</p> <p>14</p> <p>34</p> <p>41</p>
<p><b>8. Legal and Quality Management System Expertise</b></p> <ul style="list-style-type: none"> <li>▪ <u>Technical Expert</u> for the Enforcement Unit of the California State Board of Registration for Professional Engineers</li> <li>▪ <u>Expert Witness and Consultant</u> for the Northern California Bar Association and Association for Defense Counsel</li> <li>▪ <u>Subject Matter Expert</u> for the Examination Development Unit of the California State Board of Registration for Professional Engineers</li> <li>▪ <u>ISO Consultant</u> for various companies, NASA and the British Standards Institute.</li> <li>▪ Expertise in <u>numerous fields of industry.</u></li> </ul>	<ul style="list-style-type: none"> <li>▪ Letter from Enforcement Unit dated 01/15/99</li> <li>▪ Letter from CSUS Institute for Social Research dated 09/17/01</li> <li>▪ Letter from Bar Assoc. dated 08/23/98</li> <li>▪ Letter from Examination Development Unit dated 01/15/99</li> <li>▪ Various letters</li> </ul>	<p>29</p> <p>32</p> <p>30</p> <p>31</p> <p>7-11, 37, 39-42</p>

# AMPHENOL

PREPARED BY <b>A. J. Perry</b>	<b>BUNKER-RAMO AMPHENOL          SPACE AND MISSILE SYSTEMS DIV.          NUCLEAR PRODUCT DEVELOPMENT DIV.</b>	PAGE <b>1</b> OF <b>1</b>
APPROVED BY 		ORIG. DATE <b>26 May 1977</b>
		REV. DATE
		CODE IDENT. DATE <b>06473</b>

TITLE **Project Engineer - Responsibilities - Nuclear Products Development**

1. Reviews Requests for Quotes (RFQ's) and design specifications and coordinates current and proposed technical requirements with Architects and Engineers (A&E's - site contractor), Utilities (customer engineering and management) and Company Marketing/Contracts.
2. Directs activities of Developmental Engineering Task Force (engineers, designers, draftsmen, and lab technicians) responsible for (1) establishing configuration for "generic" qualification test hardware to include "worst-case" representation of components which may be specified by design engineers, and (2) product/value engineering and mechanical/electrical design and test of new components/systems.
3. Determines and specifies design verification/qualification/prototype tests required to support current programs, and issues/approves test procedures and test reports to implement such.
4. Designs and supervises fabrication of (1) special test equipment, (2) special test facilities, and (3) new laboratory areas in support of the above; i.e., Loss of Coolant Accident (LOCA) simulation, thermal load tests, and short time overload current tests.
5. Performs surveys of outside testing facilities to determine acceptability for performing specialized qualification/prototype tests (i.e., gamma irradiation, seismic, short circuit current, neutron/gamma radiation shielding).
6. Directs in-plant and outside testing laboratories in setup and performance of specialized qualification tests.

**AMPHENOL**

PREPARED BY <b>A. J. Perry</b>	<b>BUNKER-RAMO AMPHENOL SPACE AND MISSILE SYSTEMS DIV. NUCLEAR PRODUCT DEVELOPMENT DIV.</b>	PAGE 1 OF 1
APPROVED BY <i>A. J. Perry</i>		ORIG. DATE 26 May 1977
		REV. DATE
		CODE IDENT. DATE 06473

**TITLE****Q.A. LABORATORY DEPARTMENT HEAD - Responsibilities - NUCLEAR/SPACE**

1. Reviews RFQ's and provides department manpower and cost estimates to implement proposed contracts.
2. Coordinates technical requirements with Architect and Engineer (A&E - contractor of site), Utilities (customer), NRC (federal) and Authorized Nuclear Inspection Agency (ANI - State).
3. Coordinates with Engineering Department (i.e., Project Engineers and R&D Engineering Manager) to determine and specify Design Verification/Qualification/Prototype Tests required to support current programs.
4. Designs and supervises fabrication of (1) special test Equipment, (2) special test facilities, and (3) new laboratory areas.
5. Performs surveys of (1) suppliers to verify compliance with ASME Code requirements, and (2) testing labs to determine acceptability for performing outside qualification/prototype tests (i.e., Gamma Irradiation, Seismic, Short Circuit Current, Radiation Shielding, etc.).
6. Directs approved outside testing labs in set-up and performance of tests.
7. Directs activities of Electronics Lab, Mechanical Lab, Environmental Lab, and Materials Testing Lab relative to: (1) calibration/repair of mechanical, electrical, pressure, and temperature equipment supporting test/production effort, (2) evaluation of materials properties to support qualification tests; performance of Design Verification/ Qualification/ Prototype Tests, and (4) issuance of test procedures.
8. Serves as technical advisor to the Q.A. & Reliability Manager on special nuclear requirements (i.e., audits, forms, documentation control, etc.).



# Reference Form

1997

The applicant below has applied to be a member of the 1997 Board of Examiners for the Malcolm Baldrige National Quality Award and has indicated you would serve as a reference.

<b>Applicant Name:</b>	<u>Andrew J. Perry, P.E.</u>	<b>Applicant Phone No.:</b>	<u>(415) 964-1961</u>
<b>Reference Name:</b>	<u>Charles E. Edgerton</u>	<b>Reference Phone No.:</b>	<u>(415) 964-1961</u>
<b>Reference Title:</b>	<u>Director of Eng.</u>	<b>Years Known Applicant:</b>	<u>4-1/2</u>
<b>Reference Employer:</b>	<u>PULNIX America, Inc.</u>		

Please describe the applicant's qualifications to be an Examiner.

Although a Consultant, Mr. Perry served as the Director of our ISO/TQM Program from May 1992 through January 1995 and has also acted as Chairman of our Quality Systems Review Board (Quality Council) during that time. He was charged with the direct responsibility for putting into place a Total Quality Management Program with a goal of ISO 9001 certification. He was responsible for all aspects of these programs, including policy, procedures and training.

I have found that Mr. Perry is very knowledgeable of the wide range of business and organizational issues concerning TQM, as well as the details of implementation. I believe that Mr. Perry would make an outstanding Examiner.

Upon the applicant's request, the National Quality Program Office will make this reference available to the applicant.

**Reference Signature:**



**Date:**

10/29/96

*Please sign in blue ink.*



RECOGNIZED FOR EXCELLENT SERVICE

September 22,1997

To whom it may concern:

I have had the pleasure to work with Andrew Perry on two projects for R. E. Service Co., Inc. in April of 1997. The two project deliverables were a Quality Gap Analysis and a Quality Assurance Program Manual. In my 30 years as an engineering, quality, and manufacturing operations professional, I have not seen better work. The Manual and the Gap Analysis were accurate, complete, thorough, and professionally laid out. We at RE Service are proud of the manual and are using the Gap Analysis as a guide toward moving our company towards being a best in class supplier to the printed circuit board industry. We have given copies of our manual to customers who are ISO 9000 certified and they have been impressed by its content and layout.

Andy is a quality professional with a superb background. He is someone whom I can confide in and ask advice on corporate culture issues, total quality management philosophy, and ISO methodology. He is knowledgeable and experienced. Not only is he someone who one could confide in; but in the short time we have been acquainted I consider him a friend. He is man of his word and one with good moral fiber.

Any organization would be fortunate to have Andy as Quality Director or Consultant. Please feel free to contact me if you have any questions about this outstanding individual. I may be reached during working hours at (603) 595-1776.

Sincerely,

Daniel Morganti,  
Director of Quality Assurance and  
Engineering  
RE Service Co., Inc.

National Aerospace and  
Space Administration  
**Ames Research Center**  
Moffett Field, CA 94035-1000



Reply to Attn. of: D/200-1

To: David Zimmer  
Contract Site Manager, HEI

From: Dr. Henry McDonald  
Center Director

Subject: Letter of Appreciation for Andy Perry

I am writing this memo to let you know how pleased I've been with Andy Perry's contributions. Mr. Perry contributed in an exemplary way and highly professional manner as an Advisor and Lead Auditor. His support and expertise during the aggressive pre-certification audit was appreciated by all involved.

As a direct result of his efforts and the efforts of the other ISO Program Office Team members, Ames Research Center was certified with no findings. Mr. Perry should be rewarded for his hard work and dedication to achieving the overall team goal.

Sincerely,

A handwritten signature in black ink that reads "H. M. D." followed by a horizontal line.

Henry McDonald  
Center Director



Interoffice Correspondence

**Dave Sponseller**

04/25/2001 06:39 PM

**To:** AKT All Employees Santa Clara, AKT All Employees Germany, AKT All Employees Japan, AKT All Employees Korea, AKT All Employees Taiwan  
**cc:** Malcolm Grey/APPLIED MATERIALS@AMAT  
**Subject:** AKT ISO CERTIFICATION

I am pleased to inform you that yesterday I received written notification from our DNV Lead Auditor that he is now recommending AKT for ISO 9001 Certification. I expect to receive the official ISO 9001 Compliance Certificate within 8-12 weeks. I would like to congratulate and thank all of you who worked so hard to make this happen. You should all be very proud of yourselves for achieving this important milestone in our company's development.

I would also like to recognize and thank Andy Perry who, as you know, has been with us for 12 months as a Consultant, serving as the ISO 9001 Program Manager. During this time, Andy set up the structure and format of the AKT QMS, prepared initial drafts of the AKT Quality Policy Manual and most of the essential system level procedures, and then worked diligently to guide us as we modified his drafts to reflect what we actually do, at the same time staying within ISO 9001 requirements. He also helped us sort through the many Corrective Action Requests that we received during the various audits. We could not have accomplished this task without Andy's guidance and assistance.

Once again, my sincere congratulations to everyone for achieving the DNV Auditor's recommendation to receive the ISO 9001 Certificate of Compliance. I look forward to your continued support as we move forward.

Best Regards,

Dave Sponseller  
AKT QMS Management Representative



# United States Department of the Interior

BONNEVILLE POWER ADMINISTRATION

P.O. Box 491, VANCOUVER, WASHINGTON 98660

In reply refer to: ERTF

July 21, 1976

Mr. A. J. Perry  
Sr. Project Test Engineer and QA Lab Dept. Head  
Amphenol SAMS Division  
9201 Independence Avenue  
Chatsworth, California 91311

Dear Andy:

I received your letter of 15 July 1976 yesterday. The tests that you require appear even more involved than I understood from our telecon of 8 July 1976. However, I believe they are within the capability of BPA's High Current Laboratory, provided that single phase current tests will be acceptable in lieu of three-phase current tests.

It is my understanding that there are five separate electric penetration assemblies (EPA's) and that there are three different current tests required.

In order for you to obtain official agreement for us to do your testing, you must send a letter to:

Mr. H. L. Hill  
Asst. Chief, Branch of Laboratories - ER  
Bonneville Power Administration  
P.O. Box 491  
Vancouver, Washington 98660

In the letter your tests must be briefly described and you must agree to reimburse the Government for any costs. You must also state that no other test facilities are available to you for your tests.

I hope your technical people review the various calculations and proposals very closely. They were made rather quickly and something may have been overlooked.

Please don't hesitate to call me.

Sincerely yours,

J. Walter Connelly  
Electrical Engineer



AMPHENOL

AMPHENOL SAMS DIVISION

9201 Independence Ave., Chatsworth, Calif. 91311 (213) 341-0710, TWX 910-494-1211

1 December 1976

State of California  
DEPARTMENT OF INDUSTRIAL RELATIONS  
Division of Industrial Safety  
P.O. Box 603 San Francisco, CA 94101

Att: Mr. M. Perlee

Dear Mr. Perlee:

It is respectfully requested that our company be granted authorization to perform LOCA tests in our remote test facility at the above address using a double-flanged 4' x 3/8" x 12" IPS pressure vessel at a design pressure of 100 psig max. and at temperatures not exceeding 400°F. The vessel was fabricated in 1972 by Tube-Turns to equivalent ASME Code standards but was not code-certified at that time,

In support of this request. I am enclosing the following documentation. in accordance with the guidelines given me by you and Mr. Garcia and Lillis of the L.A. City Department of Building and Safety,

1. Drawing of pressure vessel.
2. Certification by Dr. D. D, Yue, Registered Engineer, that the pressure vessel complies with the applicable stress requirements of the ASME Code.
3. Metallurgical analysis of pipe performed by Metals Technology, Inc. on 19 November 1976, test report #35851.
4. Certification of successfully passing a hydrostatic pressure test to 1-1/2 times the working pressure for two hours at Parker Boiler, a qualified test facility, witnessed by Mr. E. Brandt of the L.A, City Department of Building and Safety, who additionally examined the weldments and their radiographs and deemed them acceptable.

The aft end of the pressure vessel will be sealed with a blind flange of ASME Code material which was actually used during the hydrostatic pressure test; the blind flange is stamped:

"TUBE-TURNS 12" IPS 150 PSI A-181-I/II STEEL 72A".

Units under test consist of production-type electric penetration assemblies (EPA's) which will be installed on the front of the vessel; those assemblies are manufactured and certified in compliance with ASME Boiler and Pressure Vessel Code, Section III Division 1 (1974) including Winter 1975 Addenda, Subsection NE for Class MC containment electric penetration assemblies. Mounting hardware for the above will be code material and will be torqued in accordance with established installation procedures.

I would like to thank you, Mr. Perlee, for the previous advise you have given us and for your consideration at this time in granting approval to use the subject pressure vessel for LOCA tests in support of Prototype/Qualification Tests for our nuclear product line.

Very sincerely,  
BUNKER RAMO CORPORATION

cc: O. W. Lillis,  
L.A. City Dept. of  
Building and Safety

A. J. Perry  
QA Laboratory Dept. Head



## Table of Contents

### ***PART I. QUALITY IMPROVEMENT CONCEPTS***

- CIP-1 Section 1. Introduction:** Why Are Quality Levels Generally Low; Problems, Opportunities, and Obligations; Why Do Organizations Change?
- CIP-2 Section 2. Overview:** Core Concepts; Cycle of Quality Improvement; Managing Elements; Installing the System
- CIP-3 Section 3. Core Concepts:** Definition of Quality - Meeting the Requirements; Customer Impact - Cost of Ownership; Operating Impact - Cost of Quality; Improvement Process - Defect Prevention; Responsibility - Each Employee; Performance Standard - Zero Defects
- CIP-4 Section 4. Cycle of Quality Improvement:** Identification - Recognizing, Defining and Prioritizing Defects, Quality Barrier Discussions; Monitoring Defects - Charts, Dealing with Critical but Infrequent Errors; Analysis - Defect Category Selection, Identifying Causes with Tools, Data Collection, Prioritizing for Corrective Action; Corrective Action Planning, Setting Objectives, Taking Corrective Action, Reviewing Corrective Action Effectiveness

### ***PART II. MAKING YOUR MEETINGS WORK***

#### **Section A. Introduction**

- CIP-5 Module 1 Facts about Meetings:** Why Meetings are Important. Meetings are Expensive. Why Have Meetings? When Does a Meeting Work? The Ripple Effect. The Interaction Method.
- Module 2 Problems with Meetings:** The Multi-Headed Animal Syndrome vs. One Item at a Time. Separating the What from the How (Process Control). Group Rape. The Traffic Cop. Roles - Who Does What? Misuse of Power.
- Module 3 How to Make Meetings Work:** A Summary of the Interaction (I/A) Methods: Roles and Procedures: Manager, Chairperson, Facilitator, and Group Member. Information Handling: Secretary vs. Recorder, Group Memory. A Summary of the Nominal Group Techniques (NGT): Problem/task statement. Silent generation. Round-robin. Clarification. Individual ranking. Group ranking. Verifying consensus.

#### **Section B. Meeting Planning and Preparation**

- CIP-6 Module 4 Overview:** Managing Your Meetings (Process Control). What Managers and Chairpersons Need to Know. Roles. Levels of Control. Types of Meetings. When to Hold a Meeting and When Not to. Defining Effective Meetings.
- Module 5 Determining Who and How Many Should Attend:** Nine Roads to Group Think. Who Should Be There. How to Flush Problems Out of Hiding. How to Protect Against Groupthink Between Meetings. Working with Different Size Groups.
- Module 6 How to Make Meeting Rooms Work:** How to Choose the Right Room. How to Arrange Seats and Tables. How to Change the Group's Body Language. Creating the Right Atmosphere. You Can't Prepare Too Much. Creating a "Problem-Solving Center." The Meeting of Tomorrow.
- Module 7 The Agenda:** Putting it Together: Meeting Type. Desired Outcomes. Meeting Method. Decision Making Methods. Process.
- Module 8 How to Make a Presentation.** Who Is Your Audience? What to Present. Organizing Your Information. Involving Your Audience. Handling Questions At the Beginning, During, and At the End. Visual Aids. Selecting Material. How to Make Your Presentation Effective.

#### **Section C. Problem Solving Using NGT and I/A**

- CIP-7 Module 9 Introduction:** Using NOMINAL GROUP TECHNIQUES in conjunction with the INTERACTION METHOD.
- Module 10 Key Roles:** How to Make a Good Facilitator/Leader. How to Make a Good RECORDER. How to Make a Good GROUP MEMBER. How to the BOSS Stays Boss.

#### **Section D. Decision-Making Process**

- CIP-8 Module 11 Introduction:** Why We Need a SYSTEMATIC Approach to Decision- Making. Group Problem Solving: How to Find Win/Win Decisions through CONSENSUS.
- Module 12 Concept Formation Phase:** The Seven Problem Solving Building Blocks and What They Do.



GENERAL ELECTRIC COMPANY . . . 310 DEGUIGNE DRIVE, P.O. BOX 508  
SUNNYVALE, CALIFORNIA 94086

**ENERGY SYSTEMS AND  
TECHNOLOGY DIVISION**

ADVANCED REACTOR SYSTEMS DEPARTMENT

XL-616-00099

April 17, 1980

**Letter of Commendation - Andrew J. Perry, PE**

Andy has worked at General Electric - Advanced Reactor Systems Department as a Senior Quality Assurance Engineer since May 15, 1978. His responsibilities include direction of quality activities throughout manufacture, shipping and delivery of assigned components in the Steam Generation Auxiliary Heat Removal System and Intermediate Heat Transfer (Sodium) System of the Clinch River Fast Breeder Nuclear Reactor Plant.

Andy's activities include preparation of Q.A. planning and inspection and test documentation; directing supplier source inspection activities; performing supplier surveys and audits; review and approval of drawings, specifications and procedures; and performing interdepartmental, supplier and customer coordination (including frequent travel).

In addition to the normal duties of Andy's job as outlined above, he has also arranged to deliver several discourses in both the Sunnyvale and San Jose facilities of General Electric dealing with Nondestructive Examination (accompanied by slides and movies) for the benefit of his fellow workers.

Andy has been of considerable value to the Q/A function and I consider him to be a great asset to the department.

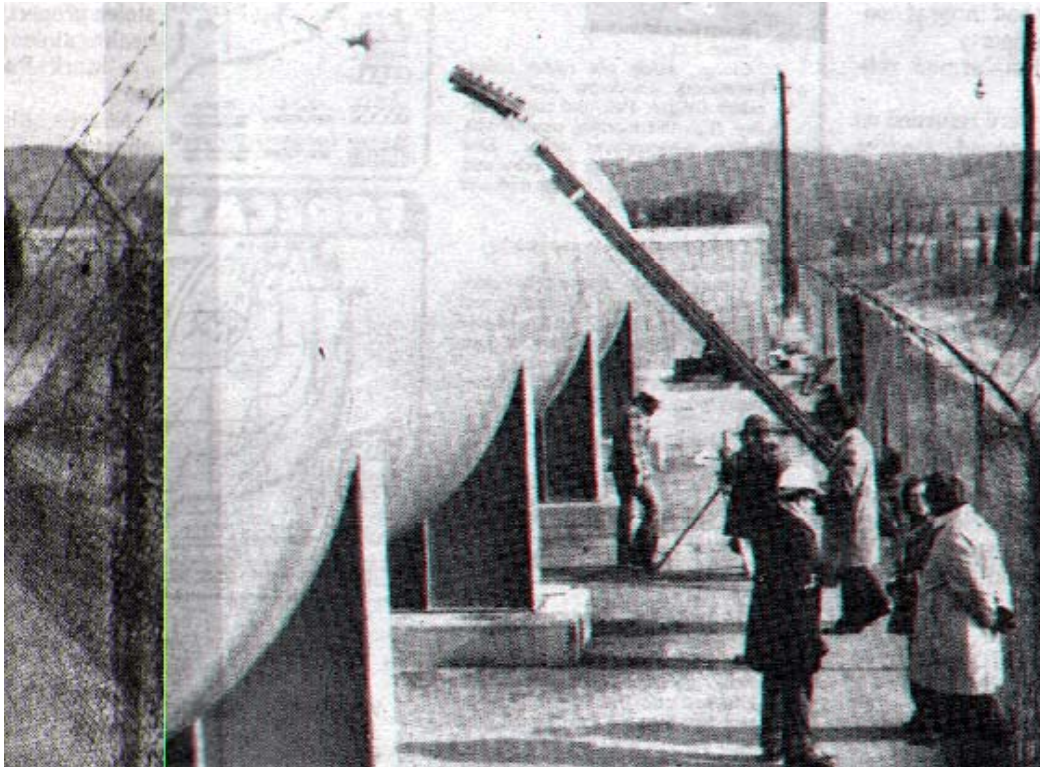
Sincerely,

Wilfred Connell, Manager  
Product Assurance  
Clinch River Project

WC:vpn

# The Oak Ridger

31ST YEAR—NO. 20—482-1021 OAK RIDGE, TENN., FRIDAY, FEBRUARY 16, 1979 15 CENTS



## Breeder water storage tank ---

Andy Perry (wearing hardhat), General Electric Quality Engineer, confers with Ira Kaplan, Union Carbide Information Officer, and Sandra Plant, Project Management Corp. Information Officer, as inspectors from Stone & Webster Engineering check the dimensions of the Protected Water Storage Tank, a component of the Clinch River Breeder Reactor. The tank was shipped by rail Nov. 19 from Process Equipment Co. in Brockton, Mass. and arrived Dec. 5 at the storage site near the old Oak Ridge Gaseous Diffusion Plant power plant. Perry said the 40-ton, 73,000-gallon tank meets general specifications although several minor discrepancies were discovered which can be compensated for during construction. Metal sheds in the background house three cold leg check valves, manufactured by Foster Wheeler Energy Corp., to be used in the reactor's primary sodium loops.

A Slide Presentation By

*Andrew J. Perry, PE, CQE*

Q.A. Project Engineer, Clinch River Fast Breeder Reactor  
and  
Representative of the Educational Council of ASNT

# **METHODS OF NONDESTRUCTIVE TESTING**

**RT – RADIOGRAPHY**

**MT – MAGNETIC PARTICLE**

**UT ULTRASONICS**

**ET EDDY CURRENT**

**PT – LIQUID PENETRANT**

DATE: July 13, 1979  
TIME: 1:00 – 2:00 p.m.  
PLACE: Rotunda Building 310  
Sunnyvale

DATE: July 19, 1979  
TIME: 1:00 – 2:00 p.m.  
PLACE: Bldg. F, Room 105  
San Jose

DATE: July 26, 1979  
TIME: 1:00 – 2:00 p.m.  
PLACE: Rotunda Building 310  
Sunnyvale

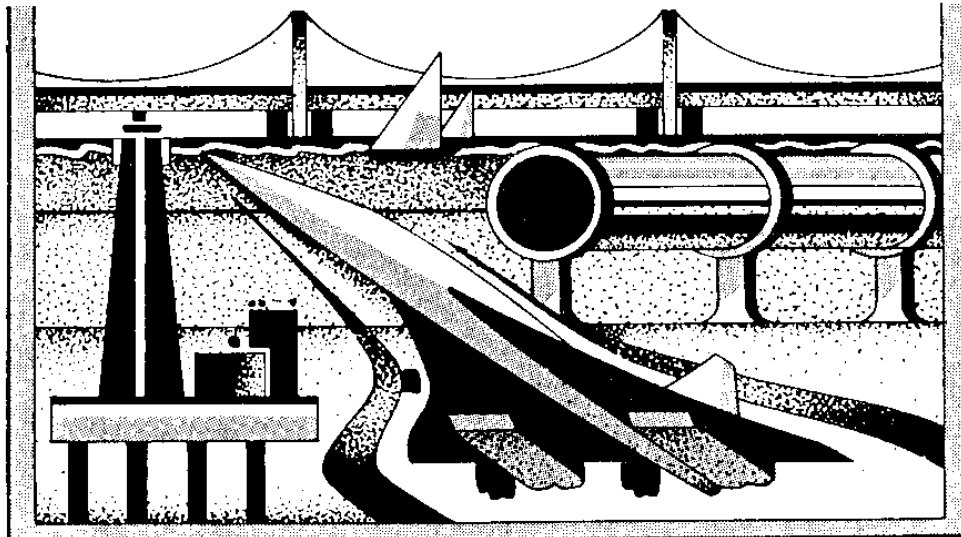


**A 16mm COLOR/SOUND FILM PRESENTATION**

by

*Andrew J. Perry, PE, CQE*

Q.A. Project Engineer, Clinch River Fast Breeder Reactor  
and Representative of the Educational Council of ASNT



**The story of Acoustic Emission – the Nondestructive  
Testing Method that “Listens” for Flaws**

February 8, 1980  
1:00 – 2:00 p.m.  
Rotunda Building 310  
Sunnyvale

February 21, 1980  
1:00 – 2:00 p.m.  
Bldg. F, Room 105  
San Jose

February 22, 1980  
1:00 – 2:00 p.m.  
Rotunda Building 310  
Sunnyvale



**NUCLEAR ENERGY BUSINESS OPERATIONS**  
GENERAL ELECTRIC COMPANY • 175 CURTNER AVENUE • SAN JOSE, CALIFORNIA 95125

SITE AND CONSTRUCTION SERVICES  
San Jose, California

September 4, 1985

Andy Perry:

This is to extend to you my sincere appreciation for the excellent job you have done managing the resolution of technical issues associated with Nine Mile Point-2 spare parts orders. Your tenacity, willingness to try new methods, and willingness to take the extra steps to "get the job done" were the primary factors in making engineering virtually a non-issue on NMPT Spares. I also greatly appreciated your ability to work with minimum direction and your excellent tracking and reporting of work progress.

As you know, I recommended you for your current assignment on Hope Creek, and I would recommend you for any similar technical integration position.

Best of luck as your career progresses.

A handwritten signature in black ink that reads "Ron Friis".

R. W. Friis  
Sr. Program Manager  
NMP-2 Site & Construction Services

RWF:pes/IO3N

cc: Projects Engineering Operation



**NUCLEAR ENERGY BUSINESS OPERATIONS**  
GENERAL ELECTRIC COMPANY • 175 CURTNER AVENUE • SAN JOSE, CALIFORNIA 95125

SPARES AND RENEWAL PARTS  
San Jose, California

September 29, 1985

To: Andy Perry

Subject: RECOGNITION OF OUTSTANDING PERFORMANCE

I should take this opportunity to express my sincere appreciation for your outstanding efforts regarding the Spares and Renewal Parts program management of the Nine Mile Point 2 and the Hope Creek Nuclear Power Stations. Your personal commitment to these projects has measurably improved service to our customers.

You have demonstrated your ability to technically manage the activities associated with large programs and overcome complex problems with relative ease. Your cooperative attitude and professional courtesy are notable assets in addition to your technical abilities. I would be happy to personally endorse your capabilities for any future program management positions. Keep up the good work!

Sincerely,

A handwritten signature in black ink, appearing to read "Gary H. Hankin".

Gary H. Hankin  
Manager  
S&RP Technical Support

cc: Projects Engineering Operation



## COURSE ANNOUNCEMENT

### THE PATH TO ISO 9001 REGISTRATION

**Instructor:** Andrew J. Perry, PE, NSPE, CQA

**Course Duration:** 16 hours

**Time of Day:** 8AM-12PM, 1-5PM

**Location:** Golden Gate University

5050 El Camino Real, Los Altos

**Cost:** \$160 member, \$175 non-member.

Price includes text.

#### Text Description

388-page text published by Instructor including:

- 21 pages detailing the steps in the Path to ISO 9001 registration.
- 63 pages presenting detailed Audit Checklists
- of the 20 elements, 750 different questions
- 37 pages comparing ISO 9001 to actual auditor interpretations, compiled from lead auditors around the world.
- 97-page complete model Quality Manual.
- 160-page comprehensive Quality Auditor Training Manual.
- 11 pages of sample CQA Examination questions, including case histories.

#### Date:

#### 1st Course Day: The Path to Registration

- Background/Overview
- The Importance of Standards
- The Hazards of Using Standards
- Certification Benefits
- TQM Commitment Critical
- Resources Needed to Prepare for Registration
- ISO 8402 Quality Vocabulary
- Starting on the Path to Registration
- The Path to Registration Flow Chart
- ISO 9000 Quality System Registrars
- Criteria for Choosing a Certifying Agency
- Difficulties in Integration of ISO 9000
- Difficulties in Development of ISO 9000
- Difficulties in Installation of ISO 9000
- Comparing ISO 9001 Standard to Interpretation of Registrar Auditors
- The essential elements of an ISO 9001 Quality Systems Manual.

#### 2nd Course Day: Auditor Training

- Introduction: Overview, Scope, Purpose, Definitions, Types of Audits.
- Qualifications: Education and Experience, Personal Attributes, Management Capabilities, Maintenance of Competence.
- People Involved: Language, Human Behavior, Selection of Audit Team, Attitude of Auditors, Responsibilities of Auditors and Auditees.
- Audit Process: Planning, Preparation, Conducting; Reporting, Corrective Action and Follow-Up;
- The Audit Prior to Registrar Assessment: Planning, Preparation, and Selection of Audit Teams.

#### About the Instructor

Andy Perry has served as an ISO 9001 Technical Adviser to the NASA Ames Research Center, as ISO 9001 Program Manager to Applied Materials/AKT, and is also President of New World Consulting Service, an International Corporate Consulting company dedicated to assisting hi-tech companies to develop Total Quality Management systems utilizing ISO 9000 series Quality Standards. He has over 40 years experience in TQM, QA, Reliability and Design Engineering and Management in product lines such as electronic, electromechanical and mechanical hardware for high production, high reliability, aerospace and nuclear projects, microcomputer memory systems, computer peripherals, satellite telecommunications antennas, medical products/instruments, ASICs, sensors and silicon microstructures. He is a Registered Professional Quality Engineer (CA), Senior Member of the American Society for Quality (ASQ), an ASQ-Certified Quality Auditor, Member of the National Society of Professional Engineers (NSPE), Member of the International Standards Initiative, Technical Expert for the "Enforcement Unit" and Subject Matter Expert for the "Examination Development Unit" of the California State Board of Registration for Professional Engineers. Andy is listed in the *Register of Experts and Consultants* for the Northern California and Sacramento County Bar Associations, and is Dean of Corporate Training, Oxman College, San Francisco.

#### To register for course:

Call the Education Chairman, San Francisco Section, American Society for Quality (ASQ), or the Instructor at (650) 964-1961.



**American Society for Quality**  
San Francisco Section #0604  
1040 Grant Rd., Suite 155-330  
Mountain View, CA 94040

September 30, 1997

Andrew J. Perry, PE, CQA  
727 Vaquero Drive  
Mountain View, CA 94043-3138

Dear Andy;

The enclosed certificate is an expression of our appreciation for your teaching. On behalf of the San Francisco ASQ Section, the board would like to thank you for your support to quality improvement and continuous learning in the Bay area.

Best regards,

A handwritten signature in black ink that reads "Ron Bane". The signature is written in a cursive, flowing style.

Ron Bane  
Education Chair  
(408) 245-3258

Enclosure

# Auditor Training Meeting

*April 02, 2001*

## AGENDA

- DNV Checklists: Why Use? (5 min.)
- AKT Audit Checklists: Preparation and Coordination with Auditee Managers (10 min.)
- Objective Evidence: Types and Importance (5 min.)
- Interview Techniques: More Detailed (5 min.)
- Immediate Coordination of Findings (5 min.)
- CAR Preparation: Used for Nonconformances (5 min.)
- Report Preparation: Format, Content, Observation Reporting (10 min.)
- CAR Verification, Closure, Signoff (5 min.)
- Q&A (10 min.)



**BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS**

1006 FOURTH ST., SIXTH FLOOR, SACRAMENTO, CA 95814  
TELEPHONE: (916) 445-5544



Date 3 Feb. 1977

Bob L. Johnson  
Name of Reference

Standard Reference  
Professional Engineers

9201 INDEPENDENCE AVE.  
Address

CHATESWORTH, CA. 91311  
City State Zip

APPLICANT TO COMPLETE THIS PORTION

Dear Sir:

I have filed with the California State Board of Registration for Professional Engineers an application for registration as a Professional Engineer, in the branch of QUALITY ENGINEER Engineering, and request that you supplement my application from your personal knowledge of my qualifications.

Your prompt return of this form to the State Board of Registration for Professional Engineers, will expedite the processing of my application and will be appreciated.

Thank you for your assistance.

Sincerely,

Andrew J. Perry  
Name of Applicant (Print or Type)

*Andrew J. Perry*  
Signature of Applicant

20954 Parthenia Street  
Street and Number

Canoga Park, CA 91304  
City State Zip Code

**THIS PART TO BE COMPLETED BY REFERENCE**

**1. GENERAL BACKGROUND**

- (a) I have personal knowledge of this applicant's work experience from 4-76 to PRESENT  
(Use month and year to best of your knowledge)
- (b) From personal knowledge I would appraise him as follows:

	OUT- STANDING	VERY GOOD	ADE- QUATE	BELOW PAR	NOT ACCEPTABLE	DON'T KNOW
Capacity to accept responsible charge		✓				
Quality of work		✓				
Application of technical knowledge	✓					
Professional attitude		✓				
Engineering Judgment		✓				

- (c) Do you consider him qualified to be registered as a professional engineer in the branch he has indicated? . . . . .

YES	NO	NO REMARKS	DO NOT KNOW
✓			

- (d) My relation with him has been:

Employer  Co-Worker  Reviewed Work  Associate   
Supervisor  Indirect  Other: (Explain) \_\_\_\_\_

- (e) Are you related to this applicant by blood or marriage? Yes  No  If yes, explain \_\_\_\_\_

2. ENGINEERING BACKGROUND

(a) I have personal knowledge of this applicant's qualifying work experience as a professional engineer as follows:

(DO NOT INCLUDE NON-QUALIFYING EXPERIENCE)

DATES		JOB TITLE	EMPLOYER
FROM	TO		
4-76	PRESENT	Q.A. LAB MANAGER	BUNKER RAYNO, SAITS / HAMPDENOL

(b) Projects he worked on:

KIND OF PROJECT	DESCRIPTION	DURATION AND LEVEL OF RESPONSIBILITY
NUCLEAR TEST PROGRAM	HELPED DESIGN AND SUPERVISED NUC. TEST LAB.	10 MONTHS, IS STILL HEAD OF LAB.
CABLE/HARNESSES ASSY'S.	ENG./Q.A. TESTS	MANAGER OF 3 LABS, &
EQUIP. SELECTION AND PURCHASE	EQUIP. CALIB.	QA. ALL PROJECTS.

(c) What did the applicant do that qualifies him in HIS BRANCH?

HE HAS A THOROUGH KNOWLEDGE OF ALL TEST PROCEDURES, ELECTRICAL, MECHANICAL, PRESSURE ETC. DIRECTS Q.A. ACTIVITIES OF 3 LABS. HAS PROVEN HIMSELF COMPETENT.

3. REMARKS

The Board will appreciate any additional or amplifying information regarding the applicant's engineering experience,

his capabilities, and his limitations (if any): TECHNICAL ADVISOR TO Q.A. & RELIABILITY DEPT.'S ON SPECIAL TEST PROCEDURES & PROCEDURES.

AS A QUALITY ENGINEER HE HAS PROVEN TO BE A PROFESSIONAL.

Your Title MANAGER MACH. DEPT.

Signature B. Johnson

Your Firm BUNKER RAYNO

Certificate No. \_\_\_\_\_

Branch \_\_\_\_\_

Date 2-4-77

State \_\_\_\_\_

Mail direct to: State Board of Registration for Professional Engineers  
1006 Fourth Street, Sixth Floor  
Sacramento, California 95814



BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

1006 FOURTH ST., SIXTH FLOOR, SACRAMENTO, CA 95814  
TELEPHONE: (916) 445-5544



Date 3 Feb. 1977

APPLICANT TO COMPLETE THIS PORTION

Ralph DeGuardi  
Name of Reference  
1407 FEATHER AVENUE  
Address  
THOUSAND OAKS, CA. 91360  
City State Zip

Standard Reference  
Professional Engineers

Dear Sir:

I have filed with the California State Board of Registration for Professional Engineers an application for registration as a Professional Engineer, in the branch of QUALITY ENGINEER Engineering, and request that you supplement my application from your personal knowledge of my qualifications.

Your prompt return of this form to the State Board of Registration for Professional Engineers, will expedite the processing of my application and will be appreciated.

Thank you for your assistance.

Sincerely,

Andrew J. Perry  
Name of Applicant (Print or Type)

[Signature]  
Signature of Applicant

20954 Parthenia Street  
Street and Number

Canoga Park, CA 91304  
City State Zip Code

THIS PART TO BE COMPLETED BY REFERENCE

1. GENERAL BACKGROUND

- (a) I have personal knowledge of this applicant's work experience from APRIL 1976 to PRESENT  
(Use month and year to best of your knowledge)
- (b) From personal knowledge I would appraise him as follows:

	OUT- STANDING	VERY GOOD	ADE- QUATE	BELOW PAR	NOT ACCEPTABLE	DON'T KNOW
Capacity to accept responsible charge	✓					
Quality of work		✓				
Application of technical knowledge		✓				
Professional attitude	✓					
Engineering Judgment			✓			

(c) Do you consider him qualified to be registered as a professional engineer in the branch he has indicated?

YES	NO	NO REMARKS	DO NOT KNOW
✓			

(d) My relation with him has been:

- Employer  Co-Worker  Reviewed Work  Associate   
Supervisor  Indirect  Other: (Explain) \_\_\_\_\_

(e) Are you related to this applicant by blood or marriage? Yes  No  If yes, explain \_\_\_\_\_

2. ENGINEERING BACKGROUND

(a) I have personal knowledge of this applicant's qualifying work experience as a professional engineer as follows:

(DO NOT INCLUDE NON-QUALIFYING EXPERIENCE)

DATES		JOB TITLE	EMPLOYER
FROM	TO		
4-76	PRESENT	Q.A. LAB DEPT. HEAD	BUNKER RAND CORPORATION, AMPHENOL SONS OPERATION

(b) Projects he worked on:

KIND OF PROJECT	DESCRIPTION	DURATION AND LEVEL OF RESPONSIBILITY
ELECTRONIC CABLE AND WIRELESS ASSEMBLY	COGNIZANT OF ENGINEERING	TEN (10) MONTHS - DIRECTS
ELECTRICAL PENETRATION ASSEMBLY	Q.A. TESTS AND PLANT	ACTIVITIES OF 3 CLASS '1
SPECIAL TESTS	CALIBRATION	IS NIBS MEMBER (Q.A.) FOR ALL PRODUCT LINES.

(c) What did the applicant do that qualifies him in HIS BRANCH?

- DIRECTS ACTIVITIES OF ELECTRONICS, MECHANICAL & ENVIRONMENTAL MATERIAL LABS.
- ESTABLISHES AND ADJUSTS LABORATORY & CALIBRATION STATISTICAL CONTROLS.
- PERFORMS AND/OR DIRECTS PRODUCT EVALUATIONS IN CONNECTION WITH DESIGN ENGINEERING.

3. REMARKS

The Board will appreciate any additional or amplifying information regarding the applicant's engineering experience, his capabilities, and his limitations (if any): MR. PERRY HAS DEMONSTRATED OPERATIONAL ABILITY IN PROVIDING ADVICE RELATIVE TO TEST INSPECTION CRITERIA IN ORDER TO ASSURE DESIGN INTENT/LIFE. HE HAS ALSO BEEN INSTRUMENTAL IN DETERMINING ADJUSTMENTS TO MANUFACTURING PROCESSES AND EQUIPMENT. IN SUMMARY, MR. PERRY IS A PROFESSIONAL IN EVERY ASPECT.

Your Title PRODUCTION ENGINEER MGR.

Signature R. M. [Signature]

Your Firm BUNKER RAND, AMPHENOL SONS OPERATION

Certificate No. \_\_\_\_\_

Branch \_\_\_\_\_

Date 7 FEBRUARY 1977

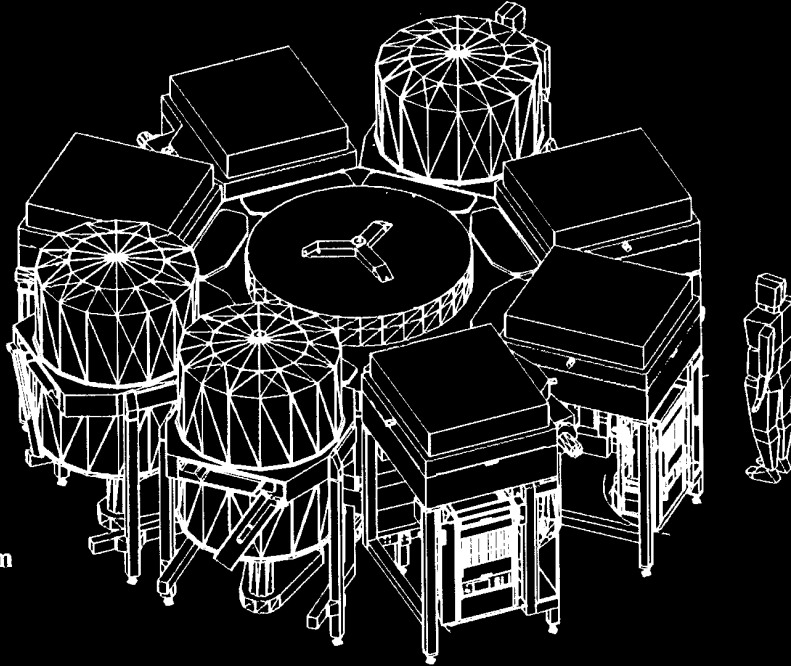
State \_\_\_\_\_

Mail direct to: State Board of Registration for Professional Engineers  
1006 Fourth Street, Sixth Floor  
Sacramento, California 95814

# Andrew Perry

ISO 9001 Program Manager

*Hired Gun Turns Out To Be Teddy Bear,  
Successfully Guides AKT To Certification Recommendation*



AKT 5500 CVD  
700mm x 900mm  
TFT LCD

4/00 to 4/01

 **AKT**  
an Applied Materials Company



**BOARD OF REGISTRATION FOR  
PROFESSIONAL ENGINEERS AND LAND SURVEYORS**  
2535 CAPITOL OAKS DRIVE, SUITE 300, SACRAMENTO, CA 95833-2926  
MAILING ADDRESS: P. O. BOX 349002, SACRAMENTO, CA 95834-9002  
TELEPHONE: (916)263-2222 CALNET: 8-435-2222  
FAX: (916) 263-2246 or (916) 263-2221  
BOARD INTERNET ADDRESS: <http://www.dca.ca.gov/pels>



Andrew J. Perry, P.E.  
New World Consulting Service  
727 Vaquero Drive  
Mountain View, CA 94043-3138

January 15, 1999

Dear Mr. Perry:

Your interest and cooperation in assisting the Board as a Technical Expert as of October 24, 1995 is greatly appreciated. We depend upon the help of independent Technical Experts such as yourself to determine if violations have occurred and provide recommendations for disciplinary action.

The Board of Registration for Professional Engineers and Land Surveyors has assigned the *Enforcement Unit* the responsibility of ensuring that all complaints the Board receives are investigated. The development of the technical expert's report is one of the most important steps in the investigative process because the expert possesses the skills necessary to evaluate the standard of practice used by the subject of the complaint. The technical expert's written opinion will aid the Board and the Office of the Attorney General in investigating, evaluating, and prosecuting allegations of violations to the Professional Engineers and Land Surveyors Act, and the Board Regulations.

The technical expert reviews the work of the registrant/licensee to determine if any violations have occurred in the practices of engineering. The Board relies on the expert's written report to find, confirm, or deny violations. The Board may take disciplinary actions against an individual's registration/license based on the findings of the technical expert, who may also be called upon to testify as an expert witness at a hearing before an Administrative Law Judge.

We are indebted to those of you who accept this responsibility and who are serving as a Technical Expert for the Board, and appreciate your commitment to your profession.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Joanne Arnold'.

JOANNE ARNOLD  
Enforcement Program Manager

**BAR ASSOCIATION OF SAN FRANCISCO**

685 Market Street, Suite 700 • San Francisco, CA 94105 • Phone (415) 764-1600

---

August 23, 1998

Andrew J. Perry, PE, CQA  
727 Vaquero Drive  
Mountain View, CA 94043-3138

Dear Mr. Perry:

We appreciate your support as an Expert and Consultant since March 17, 1994 for the more than 30,000 lawyers in the Northern California Bar Association and are pleased to continue to include your listing in the Northern California Bar Association *Register of Experts and Consultants*.

Sincerely,



Raymund C. Marshall  
President



**BOARD OF REGISTRATION FOR  
PROFESSIONAL ENGINEERS AND LAND SURVEYORS**  
2535 CAPITOL OAKS DRIVE, SUITE 300, SACRAMENTO, CA 95833-2926  
MAILING ADDRESS: P. O. BOX 349002, SACRAMENTO, CA 95834-9002  
TELEPHONE: (916)263-2222 CALNET: 8-435-2222  
FAX: (916) 263-2246 or (916) 263-2221  
BOARD INTERNET ADDRESS: <http://www.dca.ca.gov/pels>



Andrew J. Perry, P.E.  
New World Consulting Service  
727 Vaquero Drive  
Mountain View, CA 94043-3138

January 15, 1999

Dear Mr. Perry:

On behalf of the Board of Registration for Professional Engineers and Land Surveyors, I would like to personally thank you for your assistance as a Subject Matter Expert since September 22, 1996. It is individuals like you whose dedication and goodwill make the program a success.

The mission of the Board of Registration for Professional Engineers and Land Surveyors is to safeguard the life, health, property, and public welfare by regulating the practice of professional engineering through its administration of the Professional Engineers Act, Section 6700. The Board qualifies and registers or licenses individuals, establishes regulations, enforces laws and regulations, and provides information so that the public can make informed decisions. The Board has assigned the *Examination Development Unit* the responsibility for the development of examinations for professional engineers.

Thank you for taking time out of your schedule to assist the Board in this important endeavor as a Subject Matter Expert and participating in the item writing sessions. I look forward to working with you in the very near future.

Sincerely,

DENISE L. TOMLINSON  
Examination Analyst



**INSTITUTE FOR SOCIAL RESEARCH**

Carole Barnes, Ph.D., Director

September 17, 2001

Mr. Andrew Perry  
727 Vaquero Drive  
Mountain View, CA 94043-3138

Dear Mr. Perry,

The Department of Consumer Affairs (DCA), in conjunction with the *Board of Professional Engineers and Land Surveyors (Board)*, has contracted with the *CSUS Institute for Social Research* to review the licensing of engineers in California. This review was mandated by the passage last year of Senate Bill 2030. This bill added Section 6704.1 to the Professional Engineers Act. A copy of this act has been provided for your review.

The current research of the engineering field will include education, job tasks, impact on public health and safety, and regulatory practice in other states. We are currently seeking your assistance as part of a small panel of professional engineers to assist us in evaluating educational requirements from the state's major engineering schools.

Your name was provided by the Board to DCA from a list of registered professionals who, around 1995, applied to serve as Technical Experts for the Board. We then selected you as part of a group of individuals whose licenses and experience offered the broadest coverage of engineering disciplines regulated by the state. You will receive identical packets of information on educational prerequisites and major requirements for engineering degrees in the regulated disciplines at between six and eleven California universities. These institutions collectively account for a majority of recent engineering graduates. We ask you as a **Technical Expert** to assess the similarity of courses on different campuses and in different engineering disciplines, using titles and course descriptions. The goal is to determine the degree of overlap in educational requirements between disciplines.

Thank you for volunteering your services for this task. You may reach me at 916-278-5963 or call ISR's Director, Carole Barnes, at 916-278-5138 with any questions. We are also available at the email addresses given below.

Sincerely,

Jacqueline Carrigan  
Institute for Social Research  
California State University-Sacramento  
6000 J Street  
Sacramento, CA 95819-6101

[carrigan@skymail.csus.edu](mailto:carrigan@skymail.csus.edu)  
[cwbarnes@csus.edu](mailto:cwbarnes@csus.edu)



California State University, Sacramento  
6000 J Street Sacramento, CA 95819-6101 (916) 278-5737 FAX: (916) 278-5150

## ANNOUNCEMENT

October 1996



**OXMAN  
COLLEGE**

In accordance with my goal to help small businesses, I have exciting news! I have recently been appointed as *Dean of Corporate Training* at **Oxman College**, a private, post-secondary, and vocational institution located in San Francisco which concentrates on personnel training and retraining.

Their primary mission is "the continuing development of the critical skills employees need to keep themselves and their employer competitive, using the quickest and most effective training methods available."

Provided a company and its employees qualify, the *State Employment Training Panel (ETP)* may cover most of the expenses. Training that is offered by Oxman College that is covered by *ETP* can be arranged to be conducted at your plant. This training includes:

- Computer Training (PC systems, software, MS Office, word processing, communications, database, spreadsheet, desktop publishing, network software/hardware, Windows 95, and autoCAD)
- Statistical Process Control (SPC), Total Quality Management (TQM), Team Building, Problem Solving, and Leadership Training
- Sales & Marketing, and Customer Service
- Vocational English as a Second Language - VESL (important if you have employees with limited comprehension in English)

If any of the above training opportunities interest you, please contact Michael Dvorkin, President, at your earliest convenience so that he can assign a Project Manager to establish a training program that exactly fits your needs. Mention my name for special attention.

55 New Montgomery St., Suite 721, San Francisco, CA 94105

**Phone** (800) 249-5661 • **Fax** (415) 974-5391

*Andy Young*



## LETTER OF COMMENDATION

Andrew J. Perry, PE, CQA

Andy worked for Hernandez Engineering at the NASA Ames Research Center as an ISO 9001 Advisor and Lead Auditor from April 1998 to June 1999.

His performance **far exceeded expectations** *because* he performed as a very senior quality professional and was consistently effective in applying his many talents and wealth of experience: comprehensive ISO 9000 and quality systems understanding, successful ISO 9000 implementation record, in-depth quality management systems experience, ISO 9000 university lecturer, and his efficient work habits. There is very little room for improvement.

Andy was the Director of Quality, Reliability, & Assurance at a former company and has been an instructor of ISO 9000 and Quality Auditing. He quickly applied this superb quality systems & ISO 9000 experience and became effective in advising Ames Codes (Directorates) in the successful documentation of their processes in accordance with the ISO 9001 Standard.

Andy's approach and interpersonal skills gained him immediate acceptance by researchers in areas that had been resistant to advice. As a result, he was able to work as a partner with them.

Andy quickly learned and applied the Ames Management System procedures and accepted practices in teaching and advising roles. He effectively assured the incorporation of ISO 9001 and Ames Quality Management System requirements into the documentation of Codes that he supported.

Andy received several written commendations from three Ames Directorates (Center Operations, R&D, and Financial/Legal) expressing their appreciation for his valuable contributions.

DAVID L. WALKER  
Manager, Quality Management Systems  
NASA Ames Research Center



Certification Sponsor for QMS Lead Auditor

Applicant Name: Andrew Perry File Number: 8685

Sponsor Name: Henry S. Walaszczyk

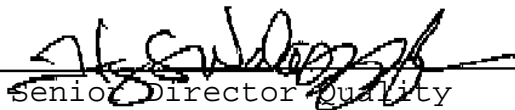
Does the applicant possess the following personal attributes:

- Open-minded and mature. Y  N
- Sound judgement, analytical skills and tenacity. Y  N
- The ability to perceive situations in a realistic way,  
To understand complex situations from a broad perspective  
and to understand the role of individual units within the  
overall organization. Y  N
- Effective oral communication skills in meetings and  
in informal settings. Y  N
- Effective writing skills to clearly and concisely express  
observations and conclusions. Y  N

What characteristics of a good auditor does Andrew Perry possess?

Andrew is very responsible and carefully assesses each situation upon the facts. He is trusted.

ADDITIONAL COMMENTS: I hired Andrew and he worked in my employ for 4 months in a capacity to develop my QMS. His talent exceeded my requirements and I recommended Andrew to take the lead in implementation at another business group of Applied Materials. I recommend him without reservation.

Signature:   
Senior Director Quality  
Applied Materials  
Santa Clara, CA

Date: 07/16/2002

Your relationship to Andrew Perry: Previous supervisor / customer

Please fax this to the attention of Pamela Jo Sargent at 414-765-8661. Once again, I thank you for your time and cooperation!



AETL

APPROVED ENGINEERING TEST LABS

CORPORATE OFFICE  
15720 VENTURA BLVD., SUITE 608  
ENCINO, CALIFORNIA 91436  
(213) 783-5985

August 2, 1977

Mr. Andrew J. Perry  
QA Lab Head/Sr. Test Engineer  
BUNKER RAMO/AMPHENOL  
Nuclear Products Development  
9201 Independence Avenue  
Chatsworth, CA 91311

Ref: QTP 123-2159, "Qualification Test  
Procedure for Nuclear Power Generating  
Station Electric Penetration Assemblies"

Dear Andy:

Upon review of your Qualification Test Procedure 123-2159 dated 7/15/77,  
AETL agrees to perform the following tests for you:

Paragraph	Title	Page
5.4.11.1	Shipping and Storage Tests	34
5.4.14	Seismic Vibration Test	40

I will complete the Quotation and pricing this week and will give it to you when we meet next week. By the way, you should use this test procedure for your doctorate thesis. I have never seen one written as well as this one. I look forward to seeing the Loss-Of-Coolant-Accident test lab you designed adjacent to the main building when it is finished.

Best regards,

ARTHUR EDELSTEIN  
Chief Engineer

*National Technical Services, Inc.*



1930 South State Street • Salt Lake City, Utah 84115 • 800-828-8902

November 20, 2003

Andrew J. Perry, PE  
727 Vaquero Drive  
Mountain View, CA 94043

Subject: ISO 9001 Audit

Andy,

What a privilege it was to have you assigned to our certification audit. I speak not only for myself, but for those with whom you worked.

Clearly, your deep knowledge of the standard, coupled with your professional approach represented the British Standards Institute well and helped O. C. Tanner Company to become a better Company. Furthermore, it was a delight to become acquainted.

Warm Regards,

A handwritten signature in blue ink that reads "Clark".

Clark A. Campbell  
Senior Vice President, Administration  
O. C. Tanner  
801-483-8203

## **Comments from Employees QUALITY & RELIABILITY DEPT.**

(Extracted from Lucas NovaSensor *Annual Employee Appraisals*)

1. **SIMEON DEJESUS, Principal Quality Engineer (designee for QA&R Director).** Andy shows a vast knowledge of ISO 9001 and QS 9000. He has a good sense of humor, is friendly, and frequently offers to help. He acknowledges that, prior to implementing changes to the Quality System (or any other issue), it is important to obtain concurrence from all involved. Andy has a management style that allows his Engineers to use their initiative (e.g., he is not a micromanager). I work very well with Andy and am happy to work with him on any tasks.
2. **WALTER PAPIC, Project Quality Engineer (Process/Statistical and Supplier Controls).** My working relationship with Andy is excellent. He is a very knowledgeable Quality professional, fully capable of performing the enormous quality tasks at Lucas NovaSensor. His leadership is powerful, and the influence to other employees is impressive. Andy's biggest asset is a sense of teamwork, playing the important part of his role in an impressive manner.
3. **ALLYNE RICKER, Document Control and Corrective Action Control Manager.** Andy's support, enthusiasm and insight have been a tremendous help to me in managing Quality, Manufacturing, Engineering, Supplier and Customer documentation and changes, and resolving complex issues with customers and other LNS departments.
4. **SERRA CHAU, Supplier Quality Engineer.** Andy Perry is a friendly person with a good sense of humor. He treats us all like professionals, assures that we all have what we need to perform our jobs, and lets us perform our jobs with minimal supervision. He is always willing to help us in any way he can, and he is very reasonable.
5. **STEPHEN SAMPSON, Reliability Engineer.** Simply stated, Andy's support of my test, verification, validation, reliability, failure analysis, and process engineering activities is excellent.
6. **ROXZANNA MARTINEZ, Chief Inspector.** Andy is very understanding of all the jobs I do and has always been there when I needed him. I know that his door is always open and that he will continue to be there for me.
7. **JUDY SINGH, QC Inspector (new-hire).** In the short time that I have worked here, I have noticed that Andy is very accommodating toward our needs, and his open-door policy is appreciated very much by all.

# Memo

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**To:** All Employees  
**From:** Don Hanna  
**Date:** January 14, 1992  
**Subject:** Employees Promotion

Andy Perry has acted as Director of QA & Reliability while providing consulting services to NNC over the past couple of years, and will be working with Gene through the end of the month to get him off on the right foot. During his tenure, Andy focused on developing a program which would meet the present and future requirements of our customers. This milestone has been an important one for the company and has now been completed. Andy's knowledge and manner made him a valuable member of the National Nuclear Family and he will be missed. We wish him well in his future ventures.

**From:** "Jerry Haddock" <jerry.haddock@proiris.com>  
**To:** <jalvarez@clare.com>  
**Cc:** <rdecaro@clare.com>; <dromine@clare.com>; <1andyperry2@sbcglobal.net>  
**Sent:** Tuesday, September 28, 2004 7:34 AM  
**Subject:** Consultant Referral

Hi José,

As I came into my new job I found that our internal audit program needed some outside help to get current and to train more internal auditors. I brought in someone from the outside.

Andy Perry just finished a one week job for us and exceeded all of our expectations. Since I was your consultant for quite a while and understand your needs well, I can say with confidence that Andy can do everything required to maintain your system and to prepare for your late October surveillance audit.

I am enclosing his résumé <<19 Cons Aud-Med.doc>>

Best regards to all,

**Gerald J. Haddock, P.E.**  
*Director, Quality Assurance and Regulatory Affairs*  
International Remote Imaging Systems  
9172 Eton Avenue, Chatsworth, CA 91311  
818.709.1244 x129



***Andrew J. Perry, PE, NSPE, RAB, CQA***

## **BSI Training Solutions**

Andy Perry serves as both an Instructor and a Lead Auditor for the *British Standards Institute* (BSi). He is an *ISO 9001 Technical Adviser* to Applied Materials and to the NASA Ames Research Center, and is also President of *New World Consulting Service*, an International Corporate Consulting company dedicated to assisting hi-tech companies to develop Global Quality Management Systems.

Andy has over 30 years experience in TQM, QA, Reliability and Design Engineering and Management developing, implementing and teaching ISO 9001/ 13485/ 14971/ 19011/ AS 9100/ TS 16949 Quality Management and Auditing Systems. Product lines include electronic, electromechanical and mechanical hardware for high production, high reliability, aerospace and nuclear projects, microcomputer memory systems, computer peripherals, satellite telecommunications antennas, medical devices/instruments, ASICs, sensors and silicon microstructures.

Andy Perry is a Registered Professional Quality Engineer (CA), Senior Member of the American Society for Quality (ASQ), an ASQ-Certified Quality Auditor, an RAB-Certified QMS Auditor, Member of the National Society of Professional Engineers (NSPE), and is a Member of the International Standards Initiative.

Andy also serves on the *California State Board of Registration for Professional Engineers* as (1) a *Technical Expert* for the "Enforcement Unit", and, (2) a *Subject Matter Expert* for the "Examination Development Unit".

Andy is listed in the "Register of Experts and Consultants" for the *Northern California and Sacramento County Bar Associations*, and is Dean of Corporate Training, Oxman College, San Francisco.

The following tables reflect codes for which **Dr. Andrew J. Perry, PE, NSPE, RABQSA**, has had both **education** and 20+ years of **experience** in telecommunications, automotive, nuclear power plant, aerospace, computer, silicon technology, data systems, and medical products, all with excellent references as shown in the *Reference Matrix* (attachment "Refs.doc"):

**TABLE 1. SIC CODES**

SIC Code	Title
<b>16</b> 1623-08	<b>Heavy Construction-Except Building</b> Utility Contractors
<b>30</b> 3089	<b>Plastics &amp; Rubber Mfrs.</b> Plastics & Plastic Products Mfr.
<b>33</b> 3357-01 3357-98 3399-04	<b>Primary Metal Industries Mfrs.</b> Fiber Optics Equipment & Systems Drawing & Insulating of Nonferrous Wire Primary Metal Products NEC
<b>34</b> 3441-98 3443-05 3444-03 3491-98 3492-98 3494-03 3496-98 3499-03	<b>Fabricated Metal Products Mfrs.</b> Fabricated Structural Metal Tank Mfrs. Sheet Metal Fabricators Industrial Valves Fluid Power Valves Valve Mfrs. Fabricated Wire Products Misc. Fabricated Metal Products NEC
<b>35</b> 3511-01 3511-03 3544-98 3559-09 3561 3563-98 3569-99 3571-01 3577-02 3593-98 3599	<b>Industrial &amp; Commercial Machinery Mfrs.</b> Steam, Gas & Hydraulic Turbines Hydraulic Eqt. Mfg Special Dies, Tools, Fixtures, Ind. Molds Special Machine Mfrs. Pumps & Pumping Equipment Mfrs Air & Gas Compressors Gen. Ind. Mach. & Eqt. NEC Computer Mfrs. Computer Peripherals Fluid Power Cylinders & Actuators Machine Shops, Ind./Comm. Mach./Eqt. NEC
<b>36</b> 3612-02 3621 3625-98 3629-99 3643-98 3661 3663-98 3672-01	<b>Electronic &amp; Other Electrical Eqt. Mfrs.</b> Electric Transmission & Distr. Eqt. Electric Supplies & Motors Mfrs. Electric Relays & Industrial Controls Industrial Apparatus NEC Current-Carrying Wiring Devices Telephone/Telegraph Eqt. & Systems Mfrs. Radio & TV Broadcasting & Comm Eqt. Printed & Etched Circuits

SIC Code	Title
3674-98 3677-98 3678-98 3679-01 3691-01 3669-99 3699-02	Semiconductors & Related Devices Electronic Coils & Transformers Electronic Connectors Electronic Equipment & Supplies Mfrs. Battery Mfrs. Communications Equipment NEC Electric Equipment Mfrs.
<b>38</b> 3823-98 3825-98 3826-98 3827-98 3841 3843-98 3812-01	<b>Measuring &amp; Analyzing Instruments Mfrs.</b> Ind. Measuring & Control Instruments Instruments Measuring & Testing Electricity Lab. Analytical Instruments Optical Instruments & Lenses Surgical/Medical Instruments/Apparatus Mfrs. Dental Equipment Aerospace Industries
<b>39</b> 3911-01 3961-98	<b>Misc. Mfg. Inds. Mfrs.</b> Jewelry Mfr. Jewelry Mfr.
<b>73</b> 7311-01 7336-01 7389-29 7389-53	<b>Business Services</b> Advertising Agencies & Counselors Package Designing & Development Tank Testing & Inspection Agents in Court – Other Than Lawyers
<b>87</b> 8711-15 8711-16 8711-25 8711-33 8711-40 8711-56 8731-01 8731-06 8734-02 8742-01 8748-36 8748-78 8748-99	<b>Engrg. &amp; Acctg. &amp; Mgt. Services</b> Engineers-Electrical Engineers-Electronic Engineers-Mechanical Engineers-Professional Engineers-Designing Engineers-Research Laboratories R&D Electronic R&D Laboratories Testing Consultants Industrial Consultants International Consultants Consultants-Business

**TABLE 2. IAF / NACE ACCREDITATION SCOPE CATEGORIES**  
(From RAB Advisory No. 15)

<u>IAF</u>		<u>NACE</u>
12	<b>Chemicals, Chemical Products and Fibres</b> Manufacture of basic chemicals	<b>DG</b> DG 24.1
14	<b>Rubber and Plastic Products</b> Manufacture of plastic products	<b>DH</b> DH 25.2
15	<b>Non-metallic Mineral Products</b> Manufacture of glass and glass products	<b>DI</b> DI 26.1
17	<b>Basic Metals and Fabricated Metal Products</b> Manufacture of tubes (cast iron and steel) Manufacture of basic precious and non-ferrous metals Casting of metals Manufacture of structural metal products Manufacture of tanks, reservoirs and containers of metal; manufacture of central heating radiators and boilers Manufacture of steam generators, except central heating hot water boilers Treatment and coating of metals; general mechanical engineering Manufacture of cutlery, tools and general hardware Manufacture of other fabricated metal products	<b>DJ</b> DJ 27.2 DJ 27.4 DJ 27.5 DJ 28.1  DJ 28.2 DJ 28.3 DJ 28.5 DJ 28.6 DJ 28.7
18	<b>Machinery and Equipment</b> Manufacture of machinery for the production and use of mechanical power	<b>DK</b> DK 29.1
19	<b>Electrical and Optical Equipment</b> Manufacture of electric motors, generators and transformers Manufacture of electricity distribution and control apparatus Manufacture of insulated wire and cable Manufacture of accumulators, primary cells and primary batteries Manufacture of electronic valves and tubes and other electronic components Manufacture of television and radio transmitters and apparatus for line telephony and line telegraphy Manufacture of television and radio receivers, sound or video recording or reproducing apparatus Manufacture of instruments and appliances for measuring, checking, testing, navigating Manufacture of industrial process control equipment Manufacture of optical instruments and photographic equipment	<b>DL</b> DL 31.1 DL 31.2 DL 31.3 DL 31.4 DL 32.1 DL 32.2 DL 32.3 DL 33.2 DL 33.3 DL 33.4
21	<b>Aerospace</b> Manufacture of aircraft and spacecraft	<b>DM</b> DM 35.3
23	<b>Manufacturing Not Elsewhere Classified</b> Manufacture of jewelry Miscellaneous manufacturing n.e.c.	<b>DN</b> DN 36.2 DN 36.6
25	<b>Electricity Supply</b> Production and distribution of electricity	<b>E</b> E 40.1
27	<b>Water Supply</b> Steam and hot water supply	<b>E</b> E 40.3
28	<b>Construction</b> Site preparation Building of complete constructions or parts thereof; civil engineering Building installation Building completion	<b>F</b> F 45.1 F 45.2 F 45.3 F 45.4
31	<b>Transport, Storage and Communications</b> Activities of travel agencies and tour operators; tourist assistance activities n.e.c.	<b>I</b> I 63.3
33	<b>Information Technology</b> Hardware consultancy Other computer related activities	<b>K</b> K 72.1 K 72.6
34	<b>Engineering Services</b> Research and experimental development on natural sciences and engineering	<b>K</b> K 73.1
35	<b>Other Services</b> Legal and management consultancy Technical testing and analysis Advertising Labor recruitment and provision of personnel	<b>K</b> K 74.1 K 74.3 K 74.4 K 74.5
37	<b>Education</b> Adult and other education	<b>M</b> M 80.4
39	<b>Other Social Services</b> News agency activities	<b>O</b> O 92.4
40	<b>Medical Devices</b> Manufacture of medical and surgical equipment	<b>DL</b> DL 33.1