

CURRICULUM VITA / RESUME

A L E X D E L Y

PRESENT OCCUPATION: Raytheon Missile Systems, Tucson
Contracts Manager for:

- a) **Advanced Security & Directed Energy Systems Product Line Cyber Security and DOD/Civil Space Programs**
- b) **All RMS Value Engineering projects**
- c) **Raytheon Corporate IDIQ Contracts Council**

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EDUCATION:

High School Diploma High Honors, Royal Atheneum Gent (Belgium)
(Latin/Mathematics Orientation, 1976)

Illinois State University, BS in Engineering Physics (Highest Honors) and
Bone Scholar (1976-1980)

University of Chicago, Lab for Astrophysics and Space Research, NASA
Fellowship (Summer 1979, Prof. Mayer's Cosmic Ray Group)

University of Chicago, NASA Quality Control Certificate (Soldering,
Summer 1979)

University of Arizona Graduate School in Physics and DuNuoy Fellow
(ABD) (research work in materials science, solar physics, accidental nuclear
war scenarios)

University of Arizona Law School (1982-1983) (international and technology law)

International Standards Organization (Switzerland): ISO 9000 Quality
Management Systems (1990) and ISO 14000 Environmental Management
Quality Systems (1996)

Intel Teach to the Future Master Teacher Training (in cooperation with
Microsoft Corporation, 2002)

PRE-RAYTHEON MISSILE SYSTEMS PROFESSIONAL EXPERIENCE:

A) QUALITY ENGINEERING / ISO 9000-14000 IMPLEMENTATION

In the past 10 years I developed customized curriculum for the following American Society for Quality national certification Exams:

- 1) Certified Quality Engineer**
- 2) Certified Software Quality Engineer**
- 3) Certified Quality Manager**
- 4) Certified Quality Auditor**
- 5) Certified Reliability Engineer**
- 6) Certified Six Sigma**

and both as Independent Contractor and through University of Phoenix have personally delivered this training (10-16 week sessions) successfully at numerous major facilities of:

- 1) McDonnell Douglas / Boeing Aerospace (Long Beach, Los Angeles, Mesa)**
- 2) Northrop Grumman (Pico Rivera, El Segundo, Palmdale, Rancho Bernardo)**
- 3) AlliedSignal Honeywell (Phoenix, Tucson)**
- 4) TRW Automotive (Queen Creek)**
- 5) Intel (Chandler)**
- 6) Motorola (Phoenix)**
- 7) IBM (Tucson)**
(as well as to some of their Tier I/II/III Suppliers)

As an Independent Contractor I was part of the initial ISO 9000 roll-out at:

- 1) McDonnell Douglas Helicopter (Mesa, now Boeing Helicopter)**
- 2) McDonnell Douglas (Long Beach, now Boeing Aerospace)**
- 3) Burr Brown Electronics (Tucson, now Texas Instruments)**
- 4) Intuit (Tucson)**

Major Aerospace Programs I have indirectly supported in past 10 years:

- 1) MD80 Commercial Airliner (McDonnell Douglas/Boeing)**
- 2) F-18 Fighter (A/B, C/D, E/F Configurations, Northrop Grumman)**
- 3) F-35 Fighter (Northrop Grumman)**
- 4) Global Hawk (Northrop Grumman)**

5) International Space Station(AlliedSignal Honeywell, Boeing)

B) INTERNATIONAL SUPPLIER DEVELOPMENT / ADVANCED MATERIALS AND PROCESSES:

As employee of the TUCSON TRANSATLANTIC TRADE, INC consulting company I have helped structure more than 25 technology joint ventures in/with Europe (including Former Soviet Union), Africa, Asia Pacific (excluding China) and Latin America, in the past 20 years in the following sectors of specialization:

- **Energy and Environment Systems**
- **Materials Science (Aerspace/Automotive)**
- **Factory Automation Systems**
- **Construction Technologies**

The joint ventures ranged from McDonnell Douglas Aerospace Offset transactions to technology licenses, technology transfer, distribution channel development, manufacturing plant setup, and arranging financing from private banks as well as multilateral financial institutions such as US OPIC, US EXIM Bank, etc.

As ADJUNCT FACULTY at CHAPMAN UNIVERSITY and VISITING SCHOLAR AT UNIVERSITY OF ARIZONA CHEMISTRY DEPARTMENT, I have developed focused training and AUDIT and ASSESSMENT programs in the following areas:

- 1) Fiber Optics/Photonics**
- 2) Metal matrix Composites**
- 3) Engineering Physics**
- 4) Engineered Plastics**
- 5) Metrology/Calibration**
- 6) ISO 9000 implementation**
- 7) ISO 14000 implementation**

and have assisted with AUDITS at the following major facilities:

- 1) US Army Fort Huachuca**
- 2) US Air Force Davis Monthan**
- 3) AlliedSignal Honeywell**
- 4) Boeing Helicopter**

C) COMMUNITY / PUBLIC SERVICE:

- a. UNITED STATES CONGRESS, SENATE ARMED SERVICES COMMITTEE, 1982-1986.**

Series of studies/papers on Accidental Nuclear War Scenarios. Declassified versions of some of the papers published in 2 books (2 volumes each). Some of the studies resulted in significant upgrades to telecommunications systems (hotlines) between US and Soviet/Russian decision makers.

- b. ARIZONA LEGISLATURE, ARIZONA DEPARTMENT OF HEALTH SERVICES, PIMA ASSOCIATION OF GOVERNMENTS, 1981-1984.**

Series of briefing papers on state of the art chemical and hazardous waste management/disposal technologies, recommended sites for proposed Rainbow Valley Hazardous Waste Treatment Facility and associated US EPA water and air quality compliance issues.

- c. PRESIDENT/MEMBER OF BOARD OF DIRECTORS of several Tucson-area United Way supported non-profit organizations (Esperanza En Escalante Transitional Housing for Homeless Veterans, Tucson Nursery Schools, Amer Schools College Preparatory Academy Charter School, Eastside Neighbors Volunteer Program Inc)**

- d. ELDER: Saguaro Christian Church (Disciples of Christ)**

PERSONAL INFORMATION:

Age: 54

Naturalized US Citizen (1983, from Belgium, Certificate of Naturalization No 11155565)

Married with 9 Children (6 adopted), 17 Grandchildren

Fluent in English, French, Dutch. Can read Spanish and German.