

RESUME of PAUL J. KOSTEK

EXPERIENCE OVERVIEW

Systems engineering & Project Management. Analysis and definition of requirements for complex electronics systems. This includes: requirements definition, translation into technical, functional, and constraint requirements, generation of specifications, support of internal design activity in developing product, and serving as customer interface. Implementation of ISO9000 and associated process standards. Implementation and interpretation of DO-178B. System Engineering Capability Assessment Facilitator.

2003 – Present Systems Engineer with Boeing Integrated Defense Systems assigned to Future Combat Systems (FCS) Requirements Group. Using DOORS tool captured, allocated and managed requirements for components of the FCS.

2002 – 2003 Systems Engineer(contract) with Boeing Integrated Defense Systems working certification planning and requirements development for C-17 GATM – Global Air Traffic Management (CNS/ATM) upgrade. Used DO-178B, ARP 4754 and 4761 as guidelines for this effort.

2002 – 2002 Systems Engineer (contract) with Bechtel National Incorporated. Requirements management including SE tool implementation (SLATE) and verification planning for Ground Based Mid-Course Defense segment. Developed training and implementation plan for SLATE.

2001 to 2001 - Contract Engineer worked as Cabin Systems Engineer for Boeing Airplane Services. Responsible for design, customer interface and test planning of Inflight Entertainment Equipment. This included definition of requirements, specification generation, systems design and test planning. Worked with customers, suppliers and engineering groups to complete design and installations. Utilized DO-178B, FARs and ATA chapters as part of this work.

2000-2001 - Program Manager for Vitessa Corporation an e-commerce service provider. Served as customer interface, defined requirements and developed program requirements. Managed a team of software and QA personnel. Served as primary contact for customers, negotiating program requirements, lead team through design to implementation to test to customer acceptance.

1995 to 2000 - Contract Engineer affiliated with TekSci, Inc. , Phoenix, AZ Systems Engineer/Project Manager. Performed Safety Analysis for Rockwell Collins Business Regional Systems Proline 21 product line. Responsible for analysis of system maintainability and power supply management. Also, the Project Manager Lead for TekSci handling all staffing and contract issues with Rockwell Collins.

Developed the Software Requirements Development Standard, and the Software Design Description Standard for Universal Avionics Systems Corporation. These DO-178B based standards were developed for use on the GPS Landing System

project.

Honeywell - Focal for software test team. Coordinated all team activities, including budgeting, schedule, and staffing. Testing done on FMS CORE products for A340, MD10, and 767-400.

Sundstrand - member of power systems project team as systems engineer. Developing system requirements, documentation and test plans for Hawker Horizon business jet. Serving as interface with customer and other organizations.

ELDEC - Standard Solutions Set Group. Responsible for the development of Systems Engineering processes and standards, along with the integration of tools (Slate) into the engineering project environment. Supported ELDEC in the development of systems requirements, system design documentation, and test procedures for the Landing Gear, Door Control, and Indication Systems for business jet programs. These programs included the Global Express, N250, and Challenger CL-604. Used Hatley-Pirbhai Structured Requirements/Design Techniques.

1993-1995 - Scitor Corporation, Seattle, WA

Systems Engineer. Supported clients in systems engineering process and product development. Assignments included supporting the implementation of ISO9000 and associated process standards at Physio Control Corporation. Prepared process standards for Electrical Engineering, Software Engineering, and Mechanical Engineering.

Member of System Integration Team on Boeing 777 Program. Provided systems engineering support on program level (intersystem and airplane) analyses. These analyses were used to supplement the Flight Test Program. Led 7 system level analysis teams. Member of Electrical Power System Integration Lab (SIL) test planning team.

1989-1993 - Sundstrand Data Control, Redmond, WA

Senior Design Engineer - Systems. Developed systems requirements for data management unit used on commercial air transports. Worked with customers to define requirements, translated these into technical, functional, and constraint requirements, generated specifications, supported internal design activity in developing product, and served as primary customer interface. Provided marketing support by preparing and giving briefings on system performance and function.

1981-1989 - The Boeing Company, Seattle, WA

Systems Engineer. Worked on a range of Boeing programs, both commercial and military, performing systems engineering tasks. Worked closely with customers and internal design organizations in developing system and software requirements, participating in design reviews and supporting test activities.

1979-1981 - Grumman Aerospace Corporation, Bethpage, NY

Systems Design Engineer. Worked on several military programs. Designed hardware for an aircraft upgrade and performed systems engineering functions

on a wind tunnel data acquisition system.

EDUCATION

BS in Electrical Engineering Technology, University of Massachusetts - Dartmouth, Dartmouth, Massachusetts. September 1977 to June 1979. AS Electro-Mechanical Technology, Bristol Community College, Fall River, Massachusetts. September 1975 to June 1977. Graduate studies Computer Science, Polytechnic Institute of New York, Farmingdale, New York. September 1980 to December 1980. Certificate in Project Management from University of Washington, Seattle, Washington. May 1995.

ADDITIONAL QUALIFICATIONS/SKILLS

Senior Member of the Institute of Electrical and Electronics Engineers (IEEE), American Institute of Aeronautics and Astronautics (AIAA), SAE, International Council on Systems Engineering (INCOSE) and Program Management Institute (PMI).

Completed SLATE, DOORS, and RequisitePro User Courses.

Completed Seminar on FAA PSP and PSCP.

Clearances: Secret(pending) and previously held Secret and EBI clearances.

2003 Chair American Association of Engineering Societies. 2001 President and Member of the Aerospace and Electronics Systems Society Board of Governors. 1999 President IEEE-USA and Member of the IEEE Board of Directors. 2002 President Seattle Chapter of INCOSE. Member INCOSE Systems Engineering Capability Assessment Working Group.

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