

Press Release

Jeffrey M. Dominique, President of FNT Fiber Network Training and Consulting Services, has recently completed a five year assignment toward development of the proposed new IEEE Standard P1682 for fiber optic use in Safety Related Systems of commercial nuclear power generating stations.

As one of eighteen fiber optic experts, selected from various international knowledge pools, Jeff contributed to the writing of the Field Qualification sections on fiber optic cable, connector and field splice installation methods and parameters.

The new Standard has been completed and peer reviewed by national and international members of the Nuclear Power Engineering Committee (NPEC), as well as the Subcommittee 2 of NPEC and was recently published by IEEE.

The issuance of this document represents a milestone for aging nuclear plants around the world, in that it provides a means for efficient and safe upgrades of Class 1E systems and reactor controls, using more highly advanced technologies. In addition, newly designed reactors that are now under construction globally, will have guidelines in place to safely employ new technologies in lieu of designs that were put in place four decades ago.

While sitting on the writing committee of this new Standard, Mr. Dominique recognized the need for orientation training, specifically designed to prepare nuclear engineers and installers for a revelation of monumental consequences involving the use of fiber optics in nuclear system designs. The result of which, culminated in FNT's development of a comprehensive course and design guide for nuclear workers that clearly defines the attributes of countless photonic components, engineering design considerations and installation qualification methods. This course is also available as a published design guide book through FNT, Fiber Network Training and Consulting Services (www.f-n-t.com).

FNT is actively involved in personnel training, as well as design and field integration of fiber optic and photonic technologies for nuclear power, intelligent traffic systems, mining, law enforcement, defense contractors and specialized military operations.

FNT was founded in 1993 by Jeffrey M. Dominique and has been offering these services to numerous high profile clients throughout the world since its inception.

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