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THE JTC 1 VALUE PROPOSITION

The JTC 1 Vision

"JTC 1 is the standards development environment where experts come together to develop worldwide Information and Communication Technologies (ICT) standards for business and consumer applications. Additionally, JTC 1 provides the standards approval environment for integrating diverse and complex ICT technologies. These standards rely upon the core infrastructure technologies developed by JTC 1 centers of expertise complemented by specifications developed in other organizations."

The Mission of JTC 1

"The scope of JTC 1 is standardization in the field of Information Technology."

JTC 1 was created by ISO and IEC to provide a single, comprehensive standardization committee in which to address international Information Technology standardization. JTC 1 has become globally recognized as the focal point of formal standardization in ICT, and the organization of choice for the creation of standards in its areas of expertise, for initiation of new areas of standardization requiring JTC 1's unique strengths and attributes, and for progression of specifications developed in other ICT-related consortia/fora into true international standards. JTC 1 standards

- are globally recognized,
- provide global interoperability,
- provide sustained development and retention of investment.

Convergence of Technologies

Information Technology, Consumer Electronics and Telecommunications are converging in the marketplace. JTC 1 is ahead of the curve in being able to provide a single forum where a wide array of technologies can be integrated into serviceable standards. As these converging technologies become pervasive in every aspect of modern life, JTC 1 infrastructure standards are the essential building blocks for the implementation of other technologies, for example medical informatics built upon wireless LAN standards and employing graphical encoding. Areas such as C and C++, coded character sets, software engineering, IC Cards, optical and DVD disk and barcode are all JTC 1 infrastructure standards, allowing for worldwide and cross-platform implementation. JTC 1 standards are widely implemented; for example, 37 JTC 1 standards for magnetic tape encoding cover nearly 90% of the market and represent an annual turnover of billions of U.S. dollars. Twenty-two of the top selling 25 ISO and IEC standards are JTC 1 standards.

Strength from Synergy

JTC 1's strength comes from its scope, which allows for synergy among diverse areas of ICT standardization. This synergy leads to better and more consistent standards, less overlap, and less duplication. This advantage increases as the infrastructure technologies intersect more and

more, and as the standardization work can take advantage of common goals rather than compete for resources and focus with other bodies. The result is better standards with increased applicability and more products based upon them.

JTC 1 provides external consortia/fora with an effective vehicle for progressing their specifications into international standards.

Coordination and Cooperation

In today's world of formal standards bodies, informal organizations, and industry consortia, no single organization or single model for the development of standards and specifications is sufficient to meet the needs of developers, consumers, and other affected bodies for technical standardization. Owing to its strengths in scope, speed, its close links to ISO, IEC and ITU-T, and the properties and stature of formal standardization, however, JTC 1 can provide unique abilities in systems integration and coordination within the framework of standardization that will empower the ICT industry worldwide.

Speed and Flexibility

JTC 1 has been a leader in developing and adopting flexible procedures and in streamlining its processes. JTC 1's unique procedures, based on the ISO and IEC Directives, have evolved to support speed and flexibility: JTC 1 standards can be developed and adopted in as little as 18 months due to the adoption of new methodologies and modification of working procedures. Using the Fast Track process, a specification can be introduced to JTC 1 and progressed to a standard in less than six months.

JTC 1's flexibility allows it to adapt to meet the standardization needs of the rapidly changing ICT sector. For example, JTC 1 has pioneered process changes such as PAS, Fast Track and New Work Item proposals (business cases). JTC 1 is the innovator for trying new methodologies for both ISO and IEC.

Ubiquity of JTC 1 Standards

JTC 1 has been and will continue to be a leader in identifying and developing significant infrastructure standards. JTC 1 develops ways to support and adopt work done in other consortia/fora that is relevant and important to JTC 1 standardization and to the overall ICT infrastructure. As these technologies become ever more important and more intrinsic in our lives, our businesses, and our societies, the presence of JTC 1 standards and work becomes ever more ubiquitous and essential.