

IEEE 802.15.3c 60 GHz WPAN Standardization: Wireless Transmission of Information at Fiber Speed

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Abstract

The quest for high-quality wireless transmission at optical fiber speed has entered an era of converting the domain of fine art at millimeter-wave regime to real products. The 60 GHz band has opened up more than 5 GHz bandwidth for ISM (industry, science, medicine) services worldwide. This presentation reviews

the past activities at the IEEE standard committee 802.15.3c from Interest Group, Study Group, to the present Task Group, while concurrently investigating the readiness of Taiwan facing the new waves of challenge. Strategies, preparations, and risks for the potential opportunities offered by the new wireless standard will be discussed in the presentation.