عنوان فارسی مقاله:
تاریخچه وایمکس (WIMAX): پیمایش کاملي از تکامل در صدور گواهینامه و استانداردسازی برای IEEE 802.16 و وایمکس

عنوان انگلیسی مقاله:
The History of WiMAX: A Complete Survey of the Evolution in Certification and Standardization for IEEE 802.16 and WiMAX
VI. CONCLUSION

Confucius already quoted ‘Study the past if you would define the future’. We therefore did an in-depth investigation on the evolution of the different projects, working groups and standards within the IEEE 802.16 Working Group on Broadband Wireless Access, the WiMAX Forum and the ITU and considered their relationships.

Within the IEEE, the initial ideas about how to implement Broadband Wireless Access differ in many ways from the standards today. The focus of the IEEE 802.16 WG, the working group responsible for this topic, has shifted over time from 10-66 GHz spectrum to 2-11 GHz and other amendments were added for mobility, relaying, etc. Being open minded and including multiple physical layer options (WirelessMAN-SC, WirelessMAN-OFDM, WirelessMAN-OFDMA), while maintaining a single MAC protocol, led the IEEE 802.16 WG to where it is today. New features are still continuously being developed and added. The applicable standard today, May 2011, is IEEE Std 802.16-2009, amended by IEEE Std 802.16j-2009, IEEE Std 802.16h-2010 and IEEE Std 802.16m-2011. Further enhancements that are being developed concern higher reliability (P802.16n) and machine-to-machine communications (P802.16p).