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**Wireless Networking Standards, 802.11 and 802.16:
A Comparative Analysis**

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Abstract

Objectives: The objective of this thesis is to conduct a comparative analysis in order to obtain information regarding of the two standards 802.11 and 802.16. The author wishes to determine will 802.16 become a substitution to 802.11 by overcoming its limitatiions. The author also conducts a feasibility study regarding Wimax technology in a network provider.

Method: The method for the research involves obtaining journals, books, literature, white papers. The author also conducts interviews in order to obtain information on the two standards and conduct a feasibility study. For the analysis, metrics are used to compare Wimax and Wifi features.

Results:Wimax and Wifi are both defined as complementary, not as a substitution. Both technology has strength and weaknesses, and both of them complements each other.

Conclusion: Wifi and Wimax technology are wireless network technology that can serve broadband internet service. It is beneficial to combine two technologies to overcome their drawbacks and create better network architecture.