| IEEE802.11 Task Group | Activity |
|---|---|
| a | To develop PHY for 5 GHz UNII band |
| b | To develop higher rate PHY in 2.4 GHz band |
| c | To cover bridge operation with 802.11 MACs (spanning tree) |
| e | To enhance 802.11 MAC for QoS |
| f | To develop recommended practices for Inter Access Point Protocol (IAPP) for multi-vendor use |
| g | To develop higher speed PHY extension to 802.11b (54 Mbps) |
| h | To enhance 802.11 MAC and 802.11a PHY-Dynamic Frequency selection (DFS), Transmit Power control (TPC) |
| i | To enhance 802.11 MAC security and authentication mechanisms |
| k | To define RRM enhancements to provide interfaces to higher layers for radio and network measurements |
| n | Focus on high throughput extensions (> 100MB/s at MAC SAP) in 2.4GHz and/or 5GHz bands |
| o | To provide Fast Handoffs in Voice over WLAN (goal is around 50ms) |
| p | Focus on vehicular communications protocol aimed at vehicles, such as toll collection, vehicle safety services, and commerce transactions via cars |
| r | To develop a standard specifying fast BSS transitions and fast roaming |
| s | To define a MAC and PHY for meshed networks that improves coverage with no single point of failure |
| t | To provide a set of performance metrics, measurement methodologies, and test conditions to enable manufacturers, test labs, service providers, and users to measure the performance of 802.11 WLAN devices and networks at the component and application level |
| v | To provide extensions to the 802.11 MAC/PHY to provide network management for stations (STAs) |
| w | To provide mechanisms that enable data integrity, data origin authenticity, replay protection, and data confidentiality for selected IEEE 802.11 management frames including but not limited to: action management frames, deauthentication and disassociation frames |