Zigbee 版本比较				
	2004	**2006**	**2007**	**PRO**
Interference avoidance				
Network coordinator selects best available RF channel/Network ID at startup time.	✔	✔	✔	✔
Support for ongoing interference detection under operational conditions and wholesale adoption of a new operating RF channel and/or Network ID.			✔	✔
Automated/distributed address management				
Device addresses automatically assigned using a hierarchical, distributed scheme.	✔	✔	✔	
Device addresses automatically assigned using a stochastic scheme.				✔
Group addressing				
Devices can be assigned to groups, and whole groups can be addressed with a single frame; thereby reducing network traffic for packets destined for groups.		✔	✔	✔
Centralized data collection				
Low-overhead data collection by ZigBee Coordinator explicitly supported.	✔	✔	✔	✔
Low-overhead data collection by other devices supported under special circumstances (e.g. with Tree Routing).	✔	✔	✔	✔
Many-to-one routing allows the whole network to discover the aggregator in one pass.				✔
Source routing allows the aggregator to respond to all senders in an economical manner.				✔
Security				
128-bit AES encryption with 32-bit Message Integrity Code (MIC) and frame counters to assure message freshness.	✔	✔	✔	✔
Security applied at the NWK layer by	✔	✔	✔	✔

	default, with key rotation to prevent hacking of the NWK key.				
	Higher-layer security supported.	✓	✓	✓	✓
	Trust Center application, operating on the ZigBee Coordinator, manages trust on behalf of network devices and acts as the central authority on what devices can join the network.	✓	✓	✓	✓
	Trust Center can run on any device in the network.				✓
	"High Security" mode available, which is selectable by Trust Center policy, and requires Application Layer Link keys; peer-entity authentication; and peer-to-peer key establishment using Master Keys.				✓
Network scalability					
	Network scales up to the limits of the addressing algorithm. Typically, networks with tens to hundreds of devices are supported.	✓	✓	✓	
	An addressing algorithm that relaxes the limits on network size. Networks with hundreds to thousands of devices are supported.				✓
Message size					
	< 100 bytes. Exact size depends on services employed, such as security.	✓	✓		
	Large messages, up to the buffer capacity of the sending and receiving devices, are supported using Fragmentation and Reassembly.			✓	✓
Standardized commissioning					
	Standardized startup procedure and attributes support the use of commissioning tools in a multi-vendor environment.		✓	✓	✓
Robust mesh networking					
	Fault tolerant routing algorithms respond	✓	✓	✓	✓

to changes in the network and in the RF environment.				
Every device keeps track of its "neighborhood"; thereby further improving reliability and robustness.				✔
Cluster Library support				
The ZigBee Cluster Library, as an adjunct to the stack, standardizes application behavior across profiles and provides an invaluable resource for profile developers.		✔	✔	

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