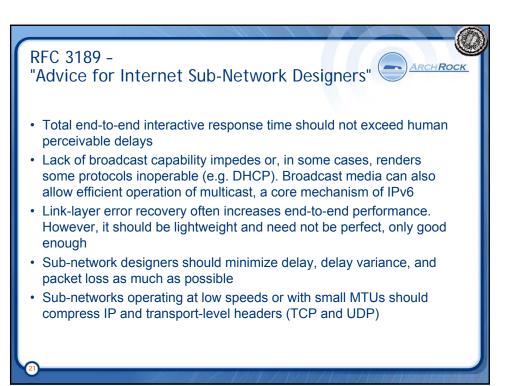
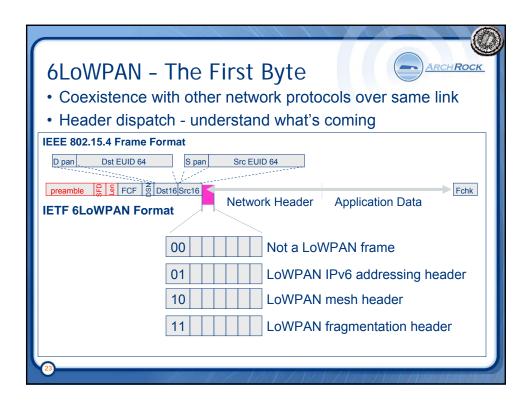
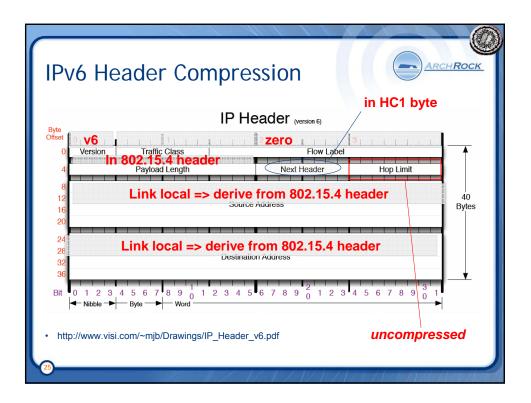


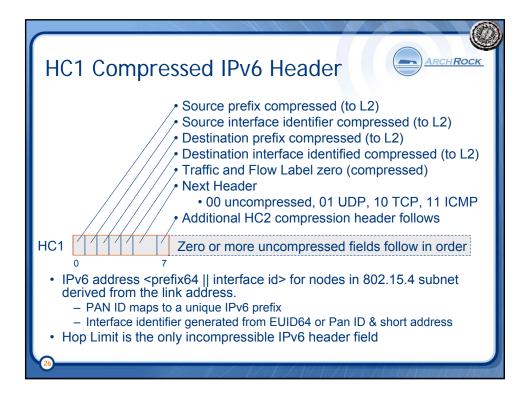
IEEE 802.15.4 Frame Format		
D pan Dst EUID 64 S pan Src EUID 64 Preamble B 5 FCF B Dst16 Src16 Fchk Network Header Application Data		
<ul> <li>Low Bandwidth (250 kbps), low power (1 mW) radio</li> <li>Moderately spread spectrum (QPSK) provides robustness</li> <li>Simple MAC allows for general use         <ul> <li>Many TinyOS-based protocols (MintRoute, LQI, BVR,), TinyAODV, Zigbee, SP100.11, Wireless HART,</li> <li>6LoWPAN =&gt; IP</li> </ul> </li> <li>Choice among many semiconductor suppliers</li> </ul>		
Small Packets to keep packet error rate low and permit media sharing		

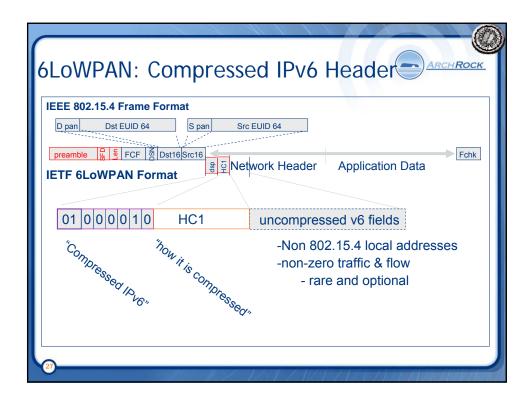




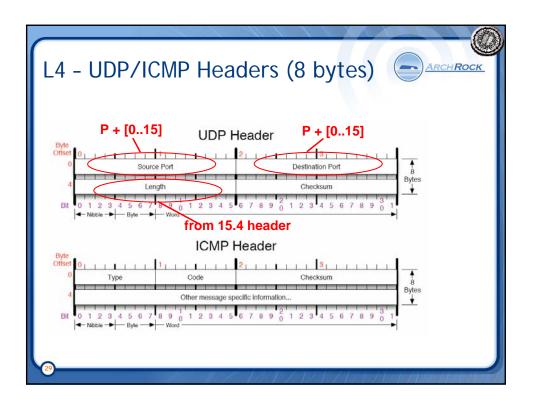
6LoWPAN – IPv6 Header			
IEEE 802.15.4 Frame F	ormat		
D pan Dst EUID 64 S pan Src EUID 64			
preamble 🛱 5 FCF 🖉 Dst16 Src16			
IETF 6LoWPAN For	nat		
01 0 0 0 0 0 1	Uncompressed I	Pv6 address [RFC2460] 40 bytes	
01 0 0 0 0 1 0	HC1 F	Fully compressed: 1 byte	
	Source address Destination address Traffic Class & Flow Lab Next header	: derived from link address : derived from link address Del : zero : UDP, TCP, or ICMP	
L			
(24)	8 1 1	THE FITTE FITTE A DEPARTMENT OF THE PARTY	

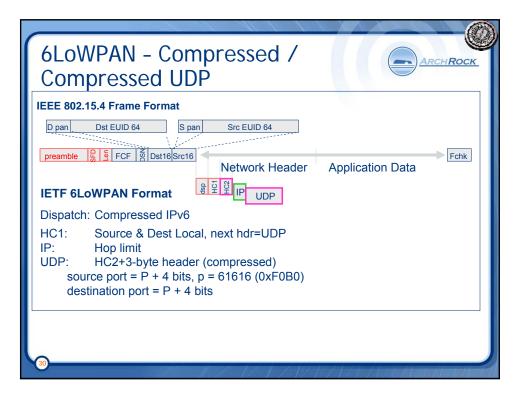


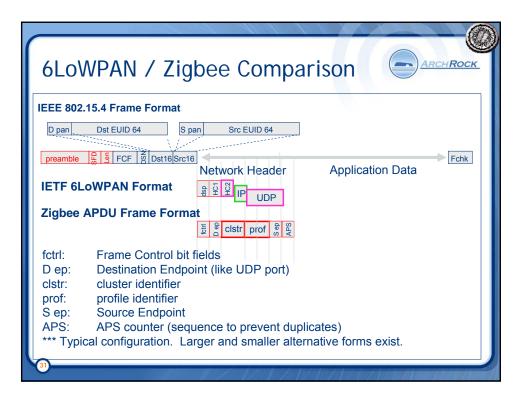




6LoWPAN - Compressed / UDP
IEEE 802.15.4 Frame Format         D pan       Dst EUID 64         S pan       Src EUID 64         preamble
Dispatch: Compressed IPv6 HC1: Source & Dest Local, next hdr=UDP IP: Hop limit UDP: 8-byte header (uncompressed)
23







6LoWPAN - Compressed / ICMP
IEEE 802.15.4 Frame Format         D pan       Dst EUID 64         S pan       Src EUID 64         preamble       E         FCF       Ø Dst16[Src16]         Network Header       Application Data
IETF 6LoWPAN Format Dispatch: Compressed IPv6 HC1: Source & Dest Local, next hdr=ICMP IP: Hops Limit ICMP: 8-byte header
32

