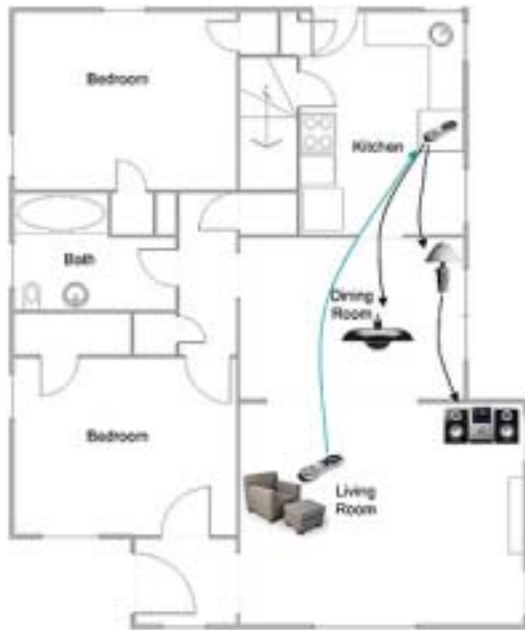


[ ] LLN(Low power and Lossy Network)

7 27 8 1 IETF 72  
 ROLL(Routing Over Low power and Lossy networks) 가 .  
 ROLL (Low power and Lossy  
 Network; LLN) , LLN ,  
 , IEEE 802.15.4, , WiFi  
 가 . ZigBee  
 Alliance 가  
 , IP ZigBee  
 가 . IETF ROLL WG  
 IP (end-to-end)  
 , LLN IP  
 LLN , LLN IP-  
 ROLL . , 72  
 IETF ROLL .

**LLN(Low power and Lossy Network)**

LLN industrial monitoring, building automation (HVAC, lighting, access control, fire), connected home, healthcare, environmental monitoring, urban , ROLL industrial ,  
 connected home/building , urban  
 LLN , /  
 가



1. Remote control moved to kitchen
2. Media center out of direct reach
3. Remote control must find available "routers"
4. Deliver routed command

< 1 >

( : IETF 72 ROLL )

LLN IP-  
 LLN - IETF MANET(Mobile  
 Ad hoc Network) MANET AODV, OLSR,  
 DYMO, DSR LLN , LLN 가 MANET  
 , ,  
 MANET  
 MANET LLN 가 , LLN  
 가 .  
 ROLL IP IPv6 , IPv4  
 .  
 ,  
 CPU  
 LLN (mobility) , ( ,  
 self configuration)  
 ROLL  
 - Industrial , connected home/building , urban  
 . 6LoWPAN 가

- LLN 가 . IGP, MANET, NEMO, DTN

- . LLN

/

- LLN 가 , 가 , 3

- LLN

ROLL , industrial , urban , LLN , LLN , structural health monitoring 가

industrial , connected home , urban 7, 8 IESG

. LLN 11 , LLN

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. LLN

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