

=== Every time we receive a new path, we update the power, cost & path table ===

---- Path Listing Table ----
(Unlimited Paths to a Node)

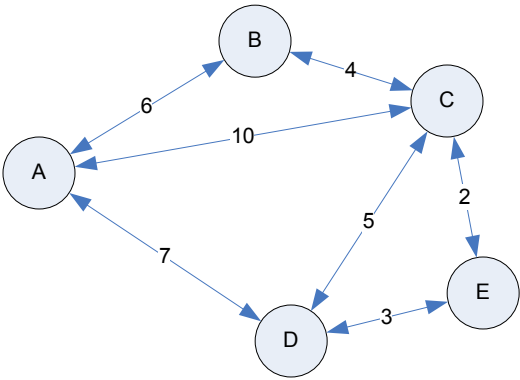
Dest	Path
A	Null (Us)
B	
C	
D	
E	A-D-E: (1*7+4*3=19)
E	A-B-C-E: (1*6+6*4+5*2=30)

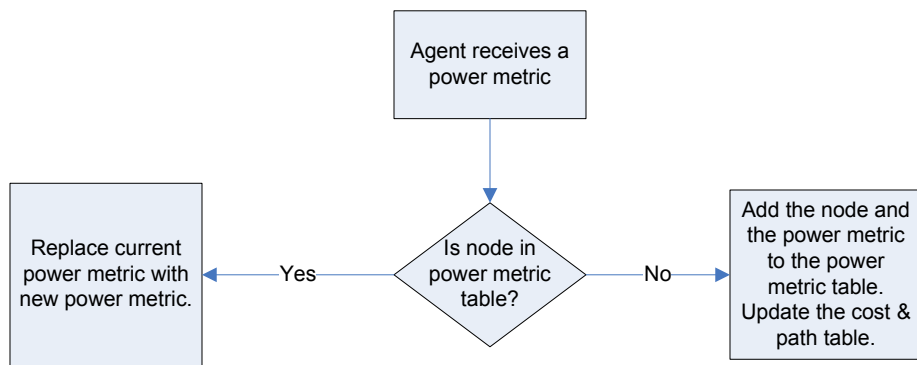
---- Power metric Table ---

Node	Battery Metric
A	1
B	6
C	5
D	4
E	1

---- Transmission Cost ----
(Based on distance between any two nodes)

Hop	Cost	A	B	C	D	E
A	Ø	6	10	7	∞	
B		Ø	4	∞	∞	
C			Ø	5	2	
D				Ø	3	
E					Ø	

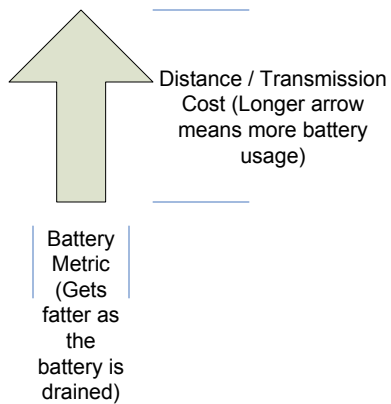




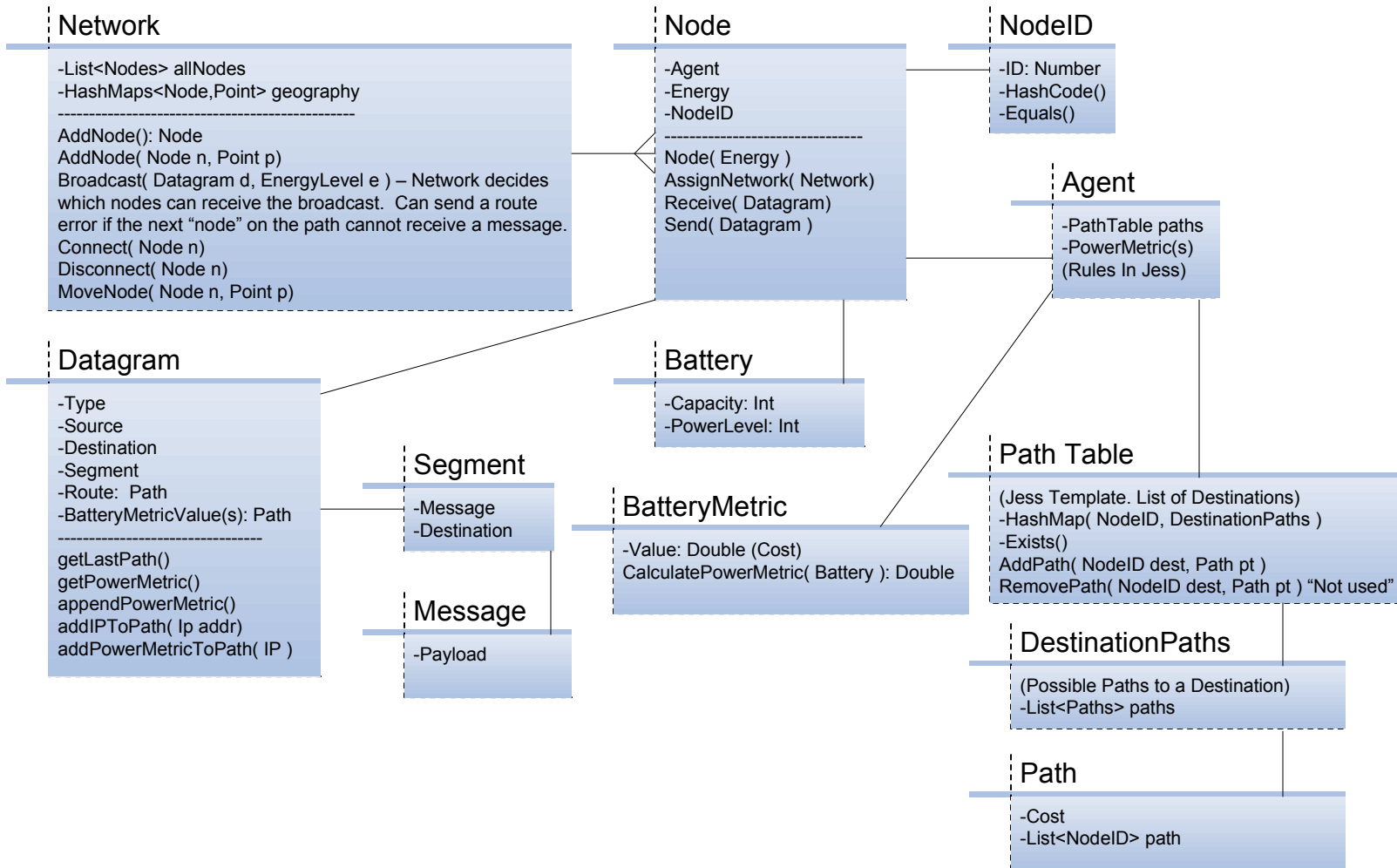
Evaluating Power Metric

Battery	Power Metric
100 - 90%	1
89 – 70%	2
69 – 50%	3
49 – 25%	4
24 – 0%	5

We want to use a system with a Lower Power Metric more often. As a battery on a system gets used up, we want to use it less.



Energy Aware Routing Protocol UML



A node connects
to the network



Node and Network
does nothing

