

$ D_i $	13 Bus Topology				34 Bus Topology			
	5	7	9	11	5	7	9	11
H-DPOP	6,742	30,604	97,284	248,270	1,437	4,685	11,617	24,303
DPOP	3,125	16,807	59,049	161,051	625	2,401	6,561	14,641
ODPOP	6	6	6	6	5	5	5	5
ASP-DPOP	10	14	18	22	10	14	18	22
$ D_i $	37 Bus Topology							
	5	7	9	11				
H-DPOP	6,742	30,604	97,284	248,270				
DPOP	3,125	16,807	59,049	161,051				
ODPOP	6	6	6	6				
ASP-DPOP	10	14	18	22				

(a) Largest UTIL Message Size

$ D_i $	13 Bus Topology				34 Bus Topology			
	5	7	9	11	5	7	9	11
H-DPOP	19,936	79,322	236,186	579,790	20,810	57,554	130,050	256,330
DPOP	9,325	43,687	143,433	375,859	9,185	29,575	73,341	153,923
ODPOP	391	1,430	6,281	11,979	2,197	4,122	12,124	12,870
ASP-DPOP	120	168	216	264	330	462	594	726
$ D_i $	37 Bus Topology							
	5	7	9	11				
H-DPOP	38,689	133,847	363,413	836,167				
DPOP	17,665	71,953	215,793	531,025				
ODPOP	1,896	5,572	18,981	28,285				
ASP-DPOP	360	504	648	792				

(b) Total UTIL Message Size