Incast number	Egress bandwidth	Update rate	Parameter

10	25Mbps	per ack	double Alpha = 0.1;
			double AI = 1.0;
			double MD = 0.05;
			double Hth = 4500;
			double Lth = 500;
			double initial_rate = 5;
			uint32_t n = 5; // HAI

10	25Mbps	per sampling RTT	double Alpha = 0.1;
			double AI = 1.0;
			double MD = 0.05;
			double Hth = 4500;
			double Lth = 500;
			double initial_rate = 5;
			uint32_t n = 5; // HAI

15	75Mbps	per ack	double Alpha = 0.1;
			double AI = 2.0;
			double MD = 0.13;
			double Hth = 30000;
			double Lth = 2000;
			double initial_rate = 7;
			uint32_t n = 4; // HAI

15	75Mbps	per sampling RTT	double Alpha = 0.1;
			double AI = 2.0;
			double MD = 0.13;
			double Hth = 30000;
			double Lth = 2000;
			double initial_rate = 7;
			uint32_t n = 4; // HAI

TCP TIMELY
99-percentile RTT: 10444 Median RTT: 5093 Average RTT: 5926.98 AVG queue occupancy: 18.2059 AVG Throughput: 20.6901Mbps
99-percentile RTT: 10436 µs Median RTT: 5093 µs Average RTT: 5847.42 µs AVG queue occupancy: 18.3831 pkts AVG Throughput: 20.7484Mbps
99-percentile RTT: 64094 µs Median RTT: 39477 µs Average RTT: 39248.4 µs AVG queue occupancy: 184.321 pkts AVG Throughput: 56.7743Mbps
99-percentile RTT: 63098 µs Median RTT: 39287 µs Average RTT: 39038.4 µs AVG queue occupancy: 183.895 pkts AVG Throughput: 56.9909Mbps

Comments
In my cases, update frequency does not matter influence performance too much.
It is noteworthy that it is enough to update per sampling RTT to react incast situation