



CM Proposals: Few thoughts..

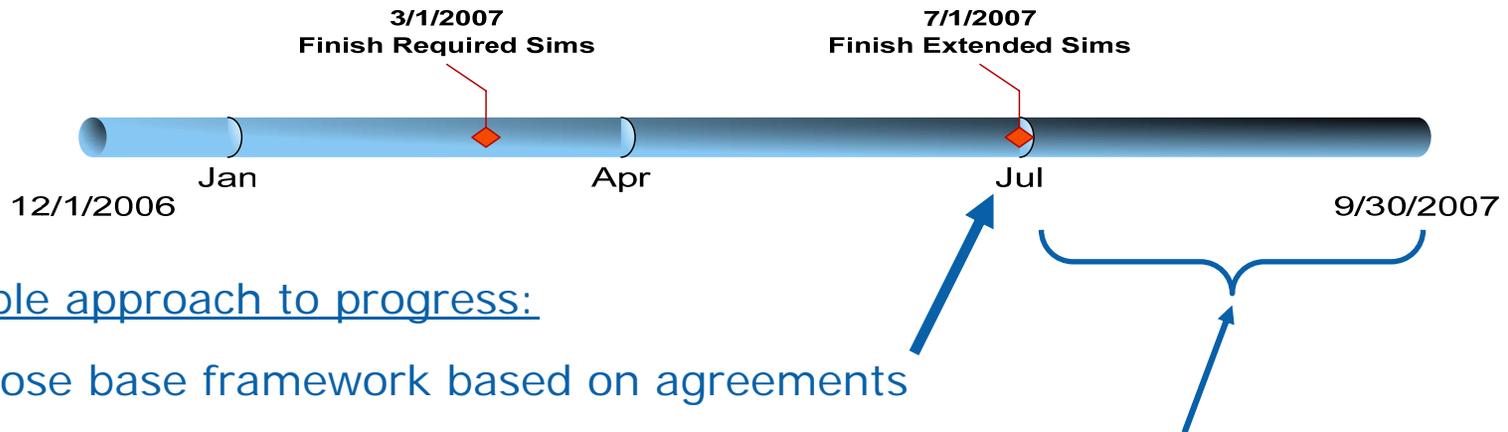
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Manoj Wadekar

Intel Corp.

Thought process

- Proposals have many agreements (IMO)
- There are few disagreements
- There are areas that need further study/refinement



Possible approach to progress:

- Choose base framework based on agreements
- As we progress on base draft, continue to evaluate remaining areas/items for bringing them in the framework

General Consensus

- Maintaining low implementation complexity is important
- Backward signaling for –ve notifications is best to minimize drops
- RP/CP association can pose challenges – better to avoid
- Rate drift mechanisms provide failsafe behavior (against getting stuck)
- Number of rate limiters in practical devices will be limited (small number)
- Queue based congestion detection (all proposals have this now)
- Maximum feedback with severe congestion (BCN-0, BCN-MAX, Fb-w/o upper cap are examples)

- **Let's build on these agreements.**
- **Can form baseline framework with this as we continue discussing open items/enhancements.**

Under Discussion

- Advantages of +ve feedback?
 - Or just signal indicating “lack of congestion” sufficient?
 - Flow level probing?
- Are there any challenges in this area?
 - Number of rate limiters (flow coalescing)
 - Multiple congestion points for same rate limiter
- **This can be considered as we start fleshing up the draft from baseline**

Strawman Baseline Proposal

- Queue based congestion detection
- -ve, quantized feedback in backward signaling
- Self-increase of rate at RP
- Rate drift for failsafe
- ?