Flow State Aware

Summary of progress

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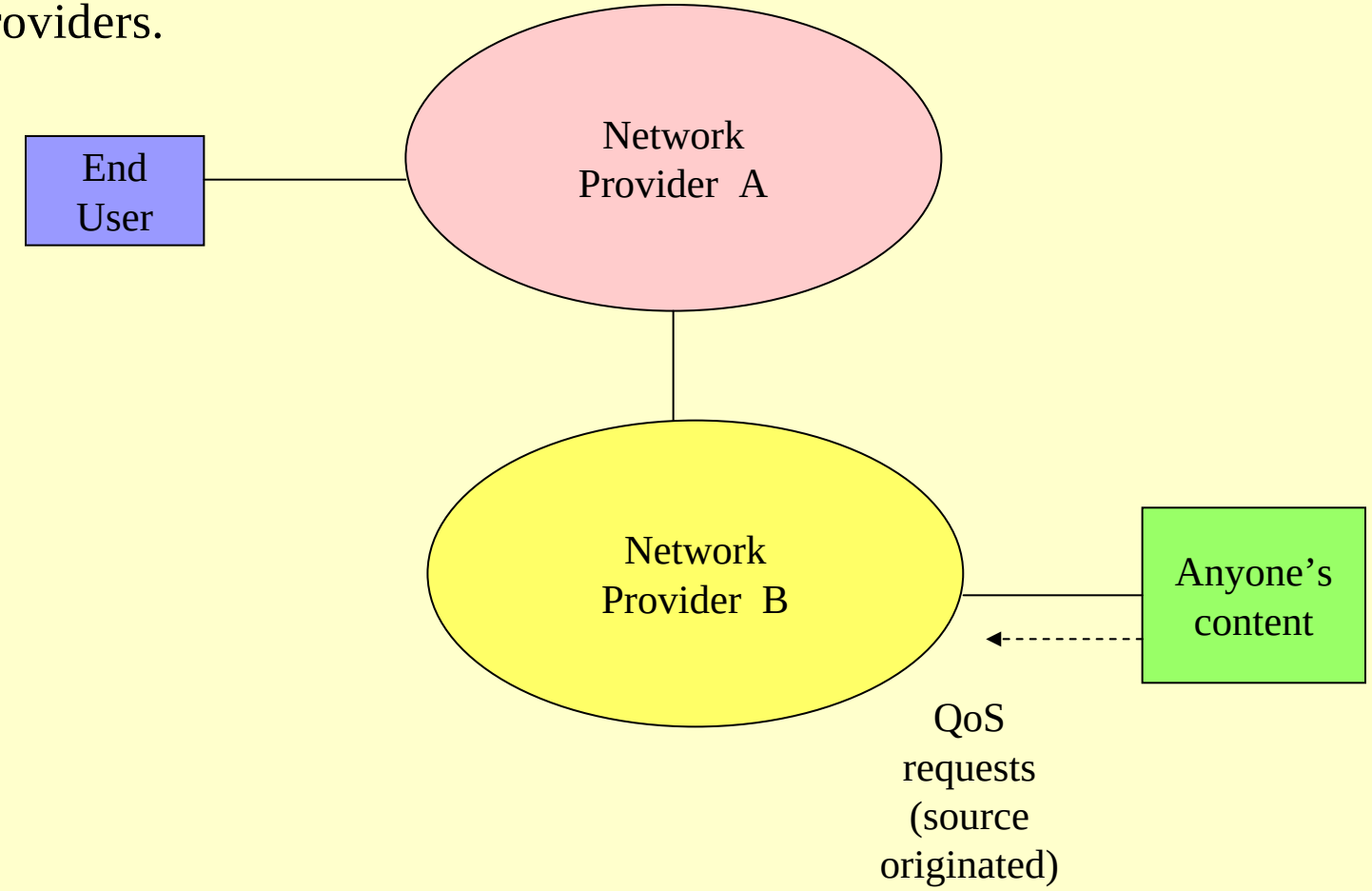
QoS over Internet + mobility

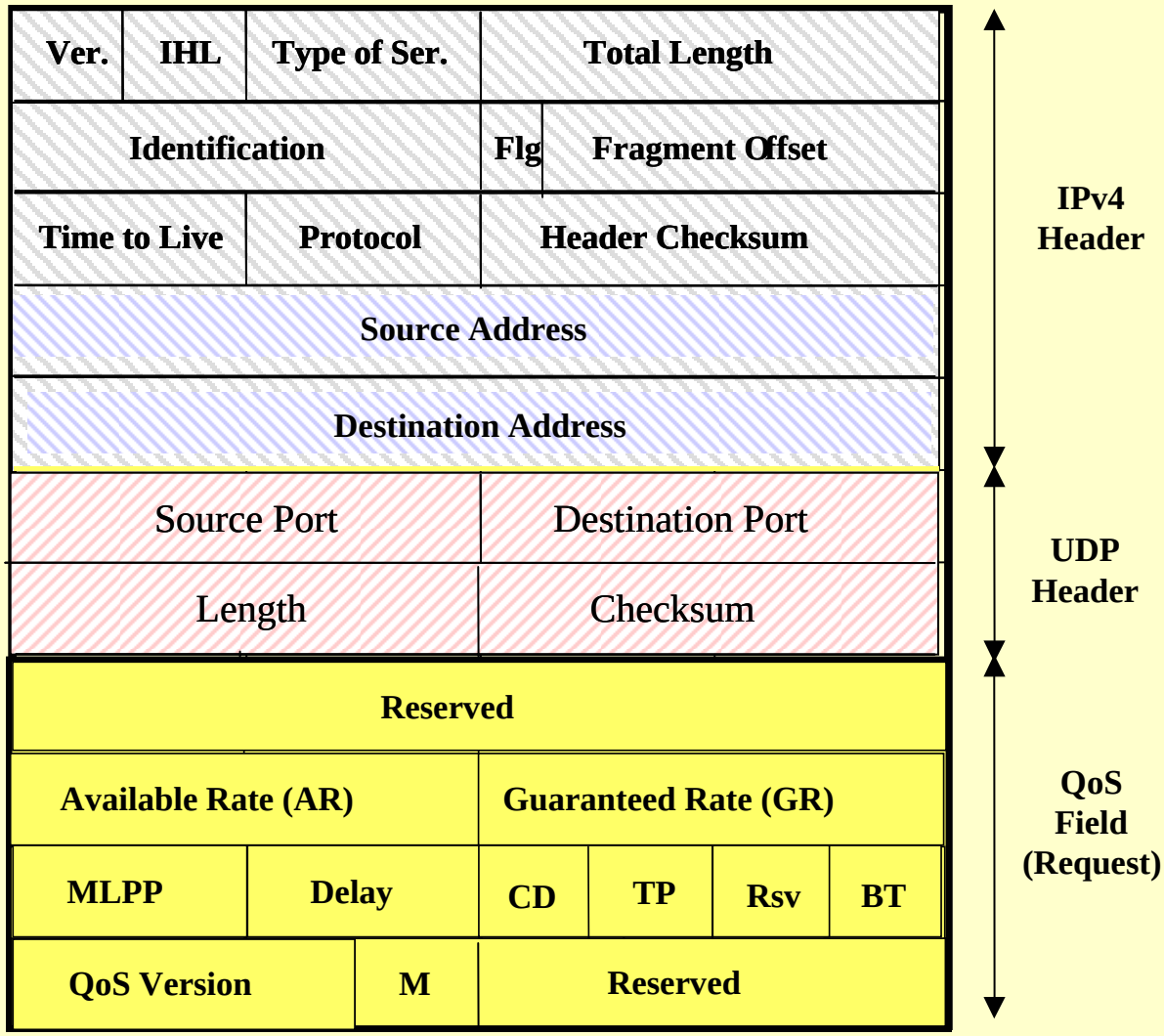
Stimulation of new commercial models based on a large proportion of broadband users potentially becoming real-time content providers.



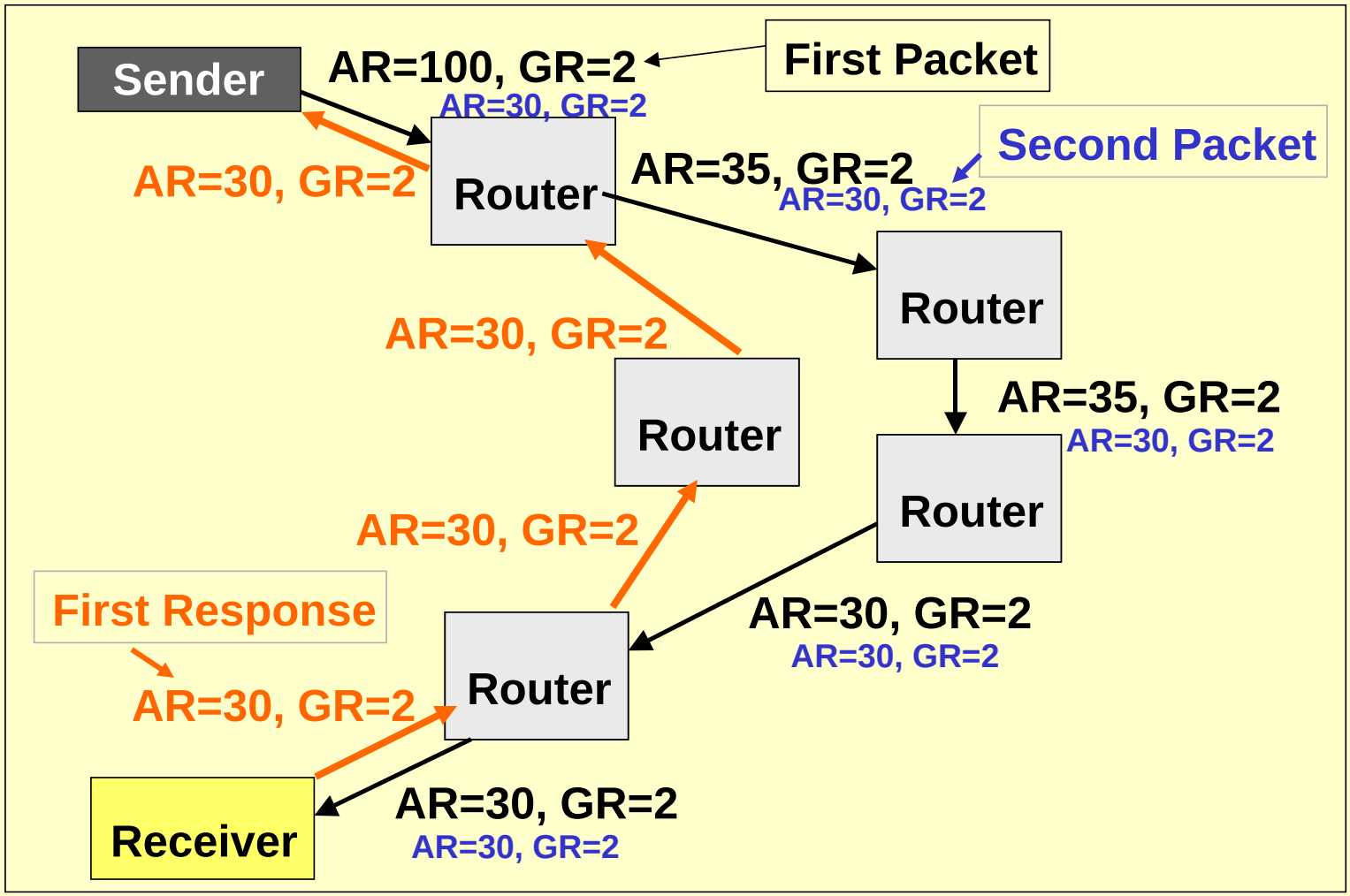
Some Flow State Aware advantages

Advantages	**Disadvantages**
Simplifies application usage of QoS. Just “turn on QoS” is the only requirement, with all other parameters optional.	Flow State Aware bandwidth protection will need commercial momentum to achieve standardisation and mass deployment for an anywhere to anywhere service.
Is “mobility friendly”. Automatically tracks & minimises flows affected by poor QoS as users move.	
Allows pricing separation of content delivery at e.g. 1 Mbit/sec for residential users, versus the price of a clear path at 1 Mbit/sec guaranteed bandwidth.	
Rate adjustments are easy for sending and receiving users. Set-up delays should not normally be perceived.	

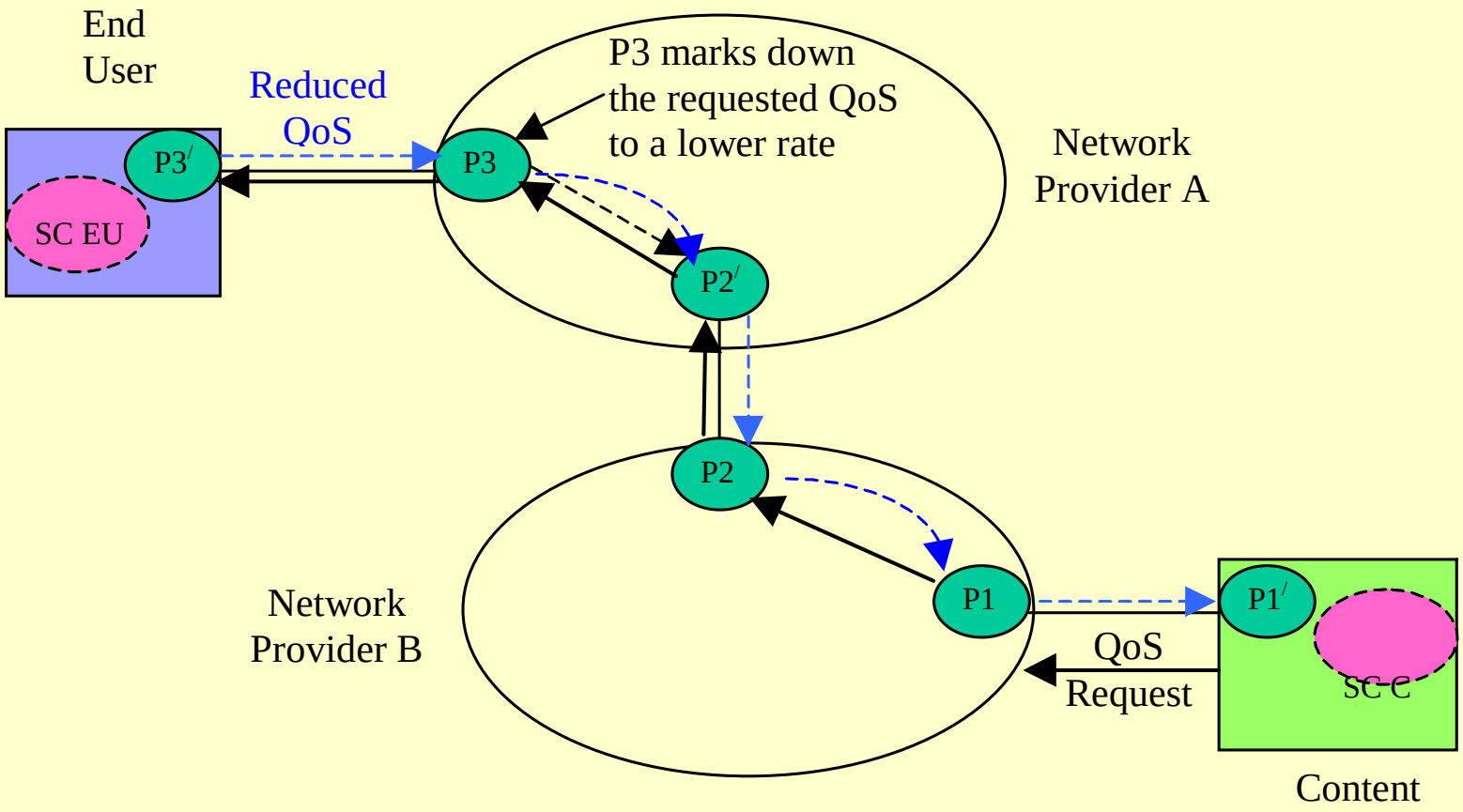
UDP “Start Packet”



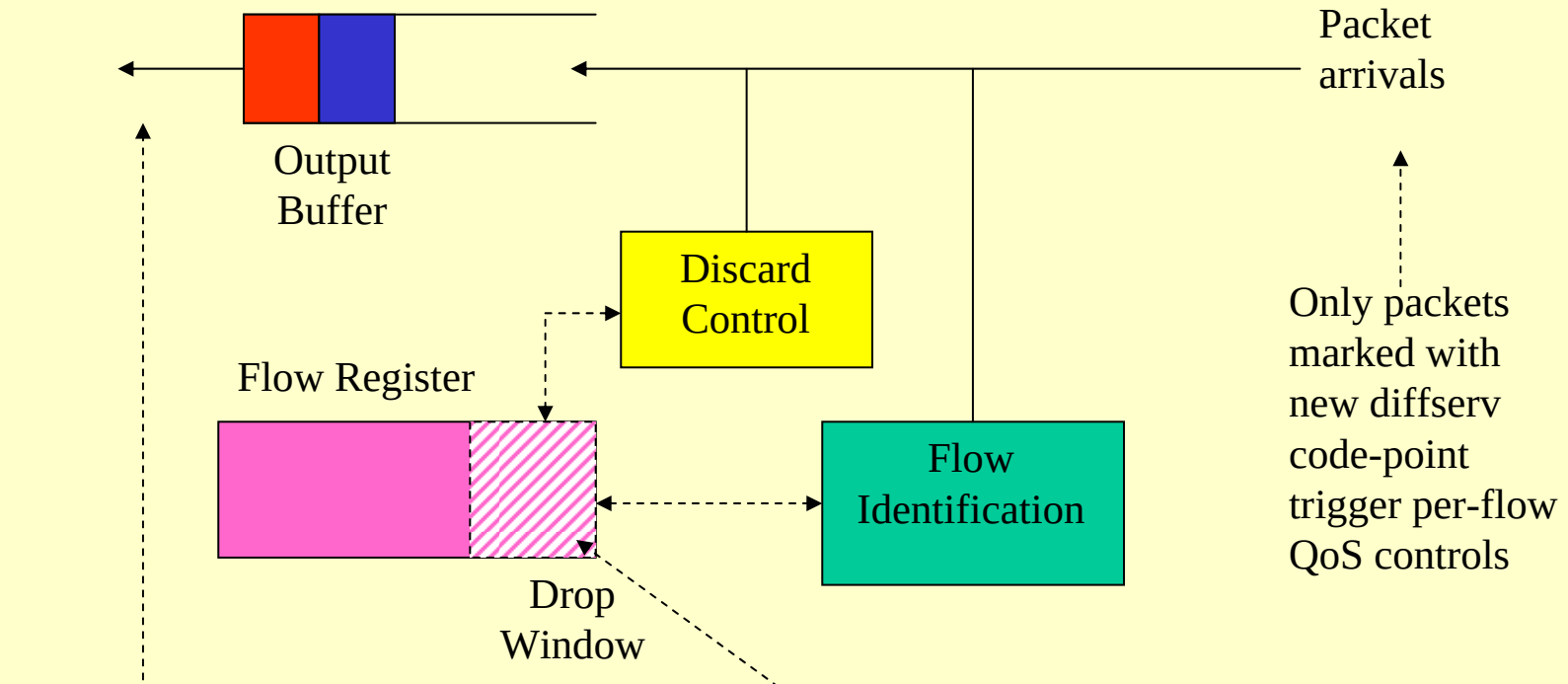
Signalling model



Early days: Adjunct hardware at pinch points



More in our QoS toolkit: Focused discards



Usually the last few flow identities that may trip network congestion