











## Constraints

- Energy
  - Send as few packets as possible
  - Send with low power  $\rightarrow$  high error rates
  - Avoid retransmissions
  - Short packets  $\rightarrow$  weak FEC
  - Balance energy consumption in network
- Processing power
  - Only simple FEC schemes
  - No complicated algorithms (coding)
- Memory

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• Store as little data as briefly as possible



















































## Overview

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- Dependability requirements
- Delivering single packets
- Delivering blocks of packets
- Delivering streams of packets
  - Additional opportunity: Control rate
  - Control rate of individual nodes: ESRT
  - Control number of active nodes: Gur game





















