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### Sender Reliable Error Detection

- Wait for ACKs from all receivers, re-send on timeout or selective ACK
- (+) easy resource management
- (-) wait for ACK
- (-) receiver state in sender, not scalable
- (-) ACK implosion

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### Implosion

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### Implosion (Cont..)

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# CS551

## Reliable Multicast

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<http://merlot.usc.edu/cs551-f12>

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### Receiver Reliable Error Detection

- Receivers NACKs lost packets
- (+) no state at sender - good for multicast
- (-) does not provide 100% reliability
- (-) NACK implosion

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### Implosion (Cont..)



