

DCCP WG,  
MPLS, USA  
November 2008  
IETF-73

# Simul Open (-05)

Gorry Fairhurst

# Completed WGLC

- Tom is document shepherd
- WG Last Call completed for 14 Nov 2008
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# Draft -04 (pre WGLC)

- Corrections by Dan Wing:
  - Revised intro
  - Section 2.2.1 moved
  - Section 2.3 updated and added diagram (Figure 3)
  - Text to clarify the retransmission algorithm
- Security considerations changed

# Draft -05 (WGLC)

- Revised abstract
- Sections re-ordered to bring the packet type definition to the front, and to correct a section mis-order in draft-04.
- References linked to IETF WGs and updated to satisfy IDNiTs.
- A number of Typos were fixed.
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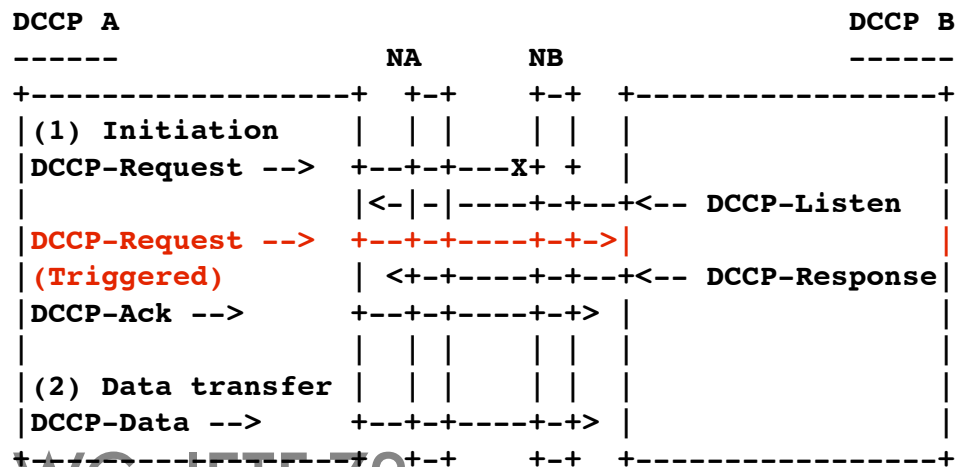
# Comments during WGLC

## Section 2.2.3:

If one makes a comparison here with STUN connectivity checks under ICE we are missing an optimization here. That is the triggered DCCP-Request.

Before the client has received a DCCP-Listen or a regular response it doesn't know that the path is open. Thus if one resent the request upon receiving the Listen one knows that it can get through. A previously sent request may have gotten through, but the client doesn't know that until much later. So the question here is: Is this speedup of the connection worth it? Is it congestion safe enough? I also assume this will not create issues in the DCCP state machine.

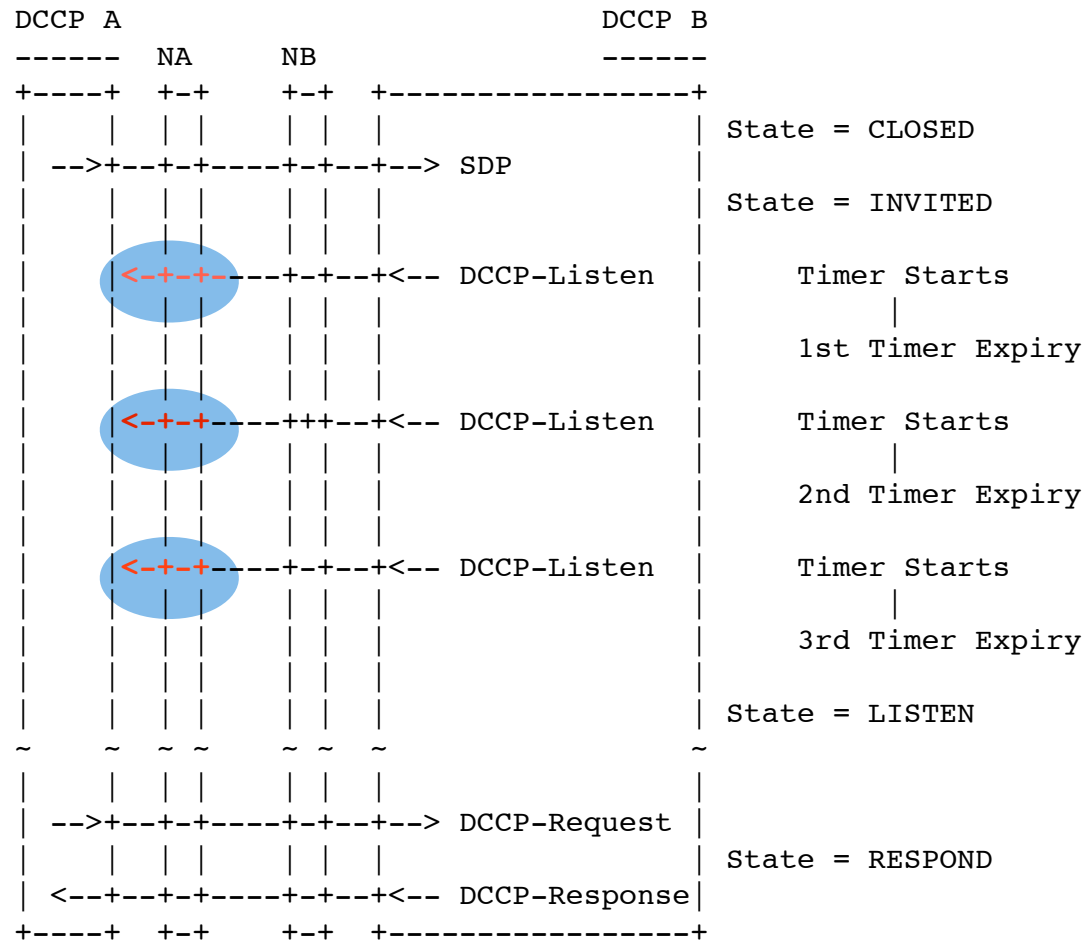
The case this optimize is the following which isn't enumerated in the draft:



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Considering that the initial retransmission timer for DCCP-Request

Figure 5:



# Comments during WGLC

I think this figure might be a bit confusing or rather unclear on what happens with the DCCP-Listen messages.

For the DCCP-Listen messages to arrive at DCCP-A the NA needs to have a binding (NAT) or opened pinhole (FW) that is a result of traffic from DCCP-A on A's source port.

- If NA is a NAT then some procedure to create that binding and learn the external address and port will have to happen.
- If NA is a Firewall then DCCP-A can still send that SDP to DCCP-B with its source address and port and the traffic will be dropped by NA. Can you please document the assumptions that result in the DCCP-Listen packets to reach the DCCP-A instead of being dropped at NA.

*Yes - although I also **could** modify the diagram so that they are dropped and document this?*

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- More comments from this *WG* are welcome.
- Note also sent to behave *WG*.