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Quick Start

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- UDP : DCCP(Datagram Congestion Control Protocol)

UDP 가 Congestion

. DCCP Multi-homing

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가

IEEE802.15
IEEE802.16

가 IEEE802.11 /

CDMA

가

IP

IP

(가

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- 가 10Mbps
1Mbps)

(가

IP

가

10Mbps

TCP

1Mbps

UCP

가

- (10Mbps)

가 (1Mbps)

TCP, UDP IP

10Mbps

가

가

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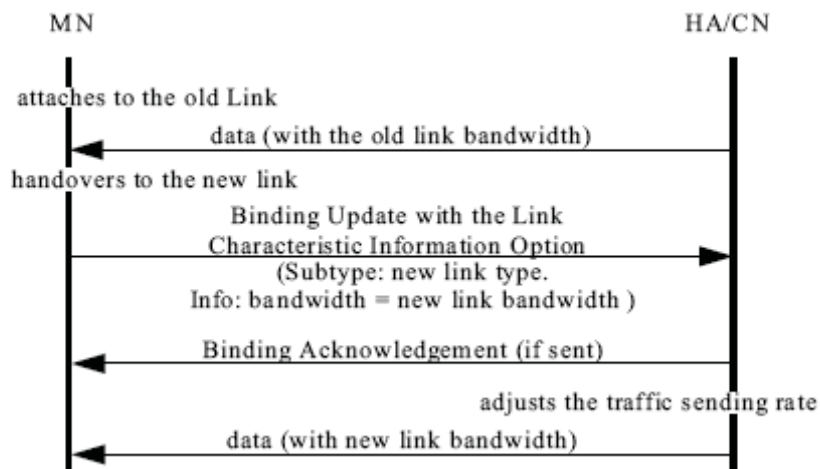
IP

가

IP

, IP

가 Streaming TCP UDP /
 Codec Scalability
 가 SVC(Scalable Video Codec)
 Encoding 가
 가 가 Encoding
 가 Application IETF IP
 IP , 가 Application
 65 IETF



< 1: Quick-Start >

$$(1) QScwnd = (R \times rtt) / (MSS + H) \quad : \text{Quick Start}$$

$$(2) QAcwnd = (R' \times rtt) / (MSS + H) \quad : \text{Quick Adjust}$$

*

QScwnd : Quick Start congestion window

QAcwnd : Quick Adjust congestion window

R : the current requested rate value (bytes/second)

R' : the available bandwidth reported by the Mobile IP option

rtt : the measured RTT (second)

MSS : the maximum segment size (bytes)

H: the estimated TCP/IP header size (bytes)

63 IETF . 1
 Mobile IP 가 IP
 가 Mobile IP (Link Characteristic Option)

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TCP

Quick-Start

“Quick Adjust for TCP and IP”

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Quick-Start

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IETF

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IETF

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