[IPv6]   **IPv6**

IPv4   ,

IPv4   IPv6   .

IPv4   IPv6   IPv4

IPv6   .   IPv4   IPv6

ngtrans WG   IETF(Internet Engineering Task Force)   . ngtrans

WG   NAT-PT, BIS, BIA, 6to4, ISATAP

.

ngtrans WG

IPv6   v6ops WG

.

v6ops WG   ISP   , unmanaged network, managed network,

3G   4

. ISP   Core   , DSL, Dial-up,

ISP   IPv6

RFC 4029   .

3GPP   IMS(IP Multimedia Subsystem)   IPv6

IPv4   IPv6   RFC

3574   , 3GPP   IPv6

RFC 4215   .   SOHO LAN   unmanaged network

IPv6   RFC 3750   ,

unmanaged network   IPv6   RFC

3904   .

managed network

IPv6   RFC 4057   .   , managed network   IPv6

.   managed

network   .

IPv6

IPv6   managed network   IPv6   IPv6

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	Application / Host 1 OS	Host 1 Network	Service Provider	Host 2 Network	Application / Host 2 OS
A	IPv6 / ---- / Dual IP	IPv4	Dual IP or IPv4	Dual IP	IPv6 / ---- / Dual IP
B	IPv6 / ---- / Dual IP	IPv6	IPv4	IPv4	IPv6 / ---- / Dual IP
C	IPv4 / ---- / Dual IP	IPv4	Dual IP	IPv6	IPv4 / ---- / Dual IP
D	IPv4 / ---- / Dual IP	Dual IP or IPv6	IPv4	IPv6	IPv4 / ---- / Dual IP
E	IPv6 / ---- / Dual IP	Dual IP or IPv6	Dual IP	Dual IP or IPv6	IPv4 / ---- / Dual IP
F	IPv6 / ---- / Dual IP	IPv6	IPv4	IPv4	IPv4 / ---- / Dual IP
G	IPv4 / ---- / Dual IP	IPv6	Dual IP	IPv6	IPv6 / ---- / Dual IP
H	IPv4 / ---- / IPv4	IPv6	Dual IP	IPv4	IPv6 / ---- / Dual IP
I	IPv4 / ---- / IPv4	IPv6	IPv4	IPv6	IPv6 / ---- / Dual IP
J	IPv6 / ---- / Dual IP	IPv4	IPv4	IPv6	IPv4 / ---- / Dual IP

    1   C   . (   )   1

IPv4/IPv6   dual stack   IPv4

.   IPv4

.   ISP   IPv4   IPv6   .   2

IPv6   ,

IPv4/IPv6   dual stack   IPv4

.   1   2

IPv4   , IPv4   .
2   IPv6   IPv4
IPv4   IPv6   ,
.   IPv4
IPv6   ,
.

. ,

IPv6

, DNS,   ,   1
,   2   ,
3   ISP   IPv4   IPv6
.

IPv6
IPv6   .

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DSTM(Dual Stack
Transition Mechanism)   .

DSTM

IETF 64   DSTM   v6ops   .

DSTM
,   .
IPv4   IPv6   deployment
,
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(, jaehwoon@ dongguk.edu)