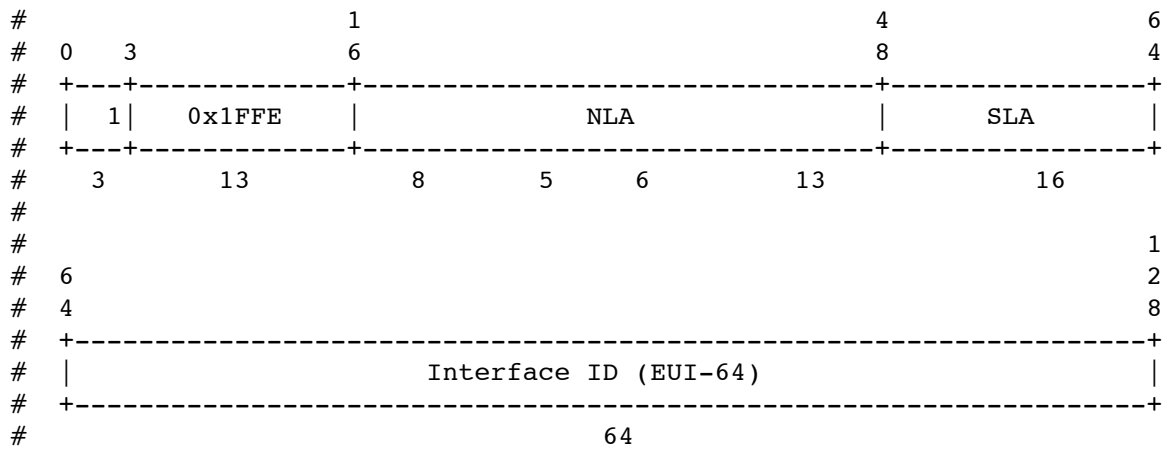


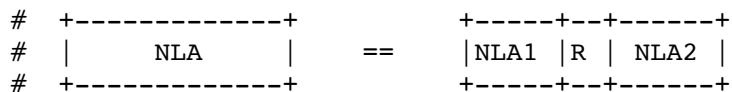
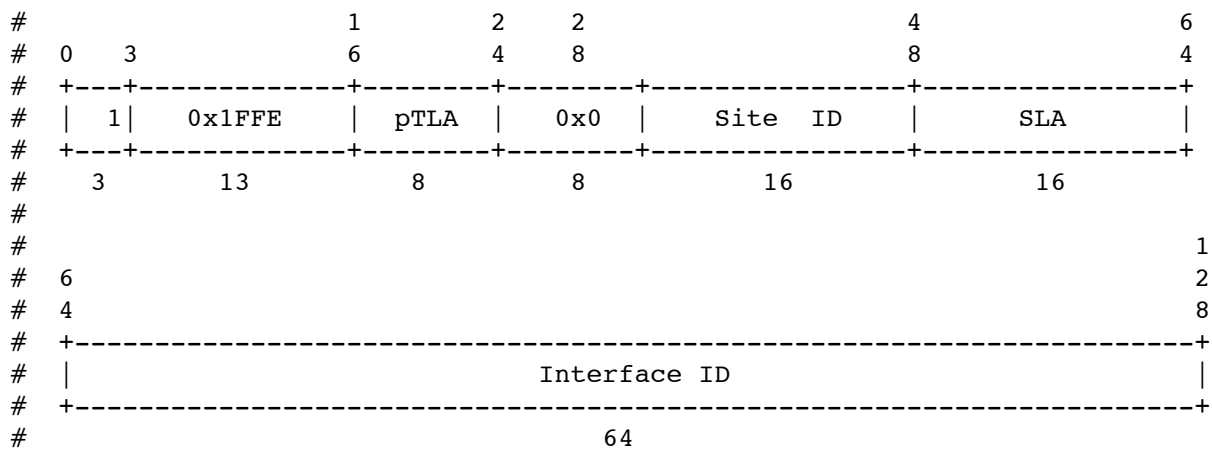
```
# *****  
# INTERNET network addresses  
# *****  
# Last modified:  
#  
# José A. Domínguez  
# jad@ns.uoregon.edu  
# Mon Mar 10 12:34:28 PST 2000  
#  
# $Header: /tftpboot/DNS/RCS/localnetworks.ipv6,v 1.1 2003/03/10 20:35:36 root Exp $  
#
```

Standard IPv6 Address Structure



```
#  
# IPv6 6BONE Allocation for the UO 6BONE NODE  
# Wed Dec 06 08:32:20 PST 1996  
#  
# IPv6 Prefix: 3FFE:1500::/24  
#
```

Abilene Address Structure



```
#
# NLA1 (5 bits) -> OIX 6BONE SiteID
# R (2 bits) -> Reserved
# NLA2 (6 bits) -> Delegated by OIX 6BONE site
#
#
# OIX Site delagations have the following structure:
#
# 3FFE:1500:XXXX::/48
#
# with XX going from 01 to 3E (A total of 62 delegations)
#
# 3FFE:1500:0000::/48 Reserved for OIX Internal Use
#
# 3FFE:1500:0:0:FFFE::/80 Reserved for P2P/Tunnel Allocations
# following this structure:
#
# 3FFE:1500:0:0:FFFE::XX/127
#
# with XX -> Sequential Number
#
#
OIX Internal 3FFE:1500:0000::/48
#
# 3FFE:1500:0001::/48 - 3FFE:1500:0706::/48 Unused
#
# State of Oregon (ASN: 1798)
ORNET 3FFE:1500:0706::/48
#
# 3FFE:1500:0707::/48 - 3FFE:1500:07EA::/48 Unused
#
# Universidad de Los Andes (ASN: 2027)
ULA 3FFE:1500:07EB::/48
#
# 3FFE:1500:07EC::/48 - 3FFE:1500:0DFD::/48 Unused
#
# University of Oregon (ASN: 3582)
UO 3FFE:1500:0DFE::/48
#
# 3FFE:1500:0DFF::/48 - 3FFE:1500:2E51::/48 Unused
#
# CM2.COM (ASN: 11858)
CM2 3FFE:1500:2E52::/48
#
# 3FFE:1500:2E53::/48 - 3FFE:1500:FFFF::/48 Unused
#
```



```
#           0000: RESERVED
#           0001 - 00FE: representing the IPv4 subnet if one exists
#           00FF: used for tunnels
#           0100 - FFFE: reserved for new networks without IPv4
#                   support
#           FFFF: RESERVED
#
# All these networks will be running native IPv6. They will also have
# ND advertisements for client autoconfiguration, which means that you
# don't have to register your address. We don't do any DNS dynamic updates
# as of yet so if you need a static address, the format is as follows:
#
# 2001:468:d01:XXXX::AABB:CCDD/128 where:
#
#   XXXX       - is the subnet as explained above
#   AABB:CCDD - is the IPv4 address (AA.BB.CC.DD) represented
#                   on HEX for subnets in the range 0001 - 00FE
#   AABB:CCDD - is just a sequential number starting at 0000:0001
#                   to FFFF:FFFE for any other network (0100-FFFE)
#
#   Just make sure that you register it with NS.
#
# Net2 Backbone (Subnet 2)
#
ipv6-backbone-2      2001:468:d01:2::/64
#
# Net3 Backbone (Subnet 3)
#
ipv6-backbone-3      2001:468:d01:3::/64
#
# Net6 Computer Science
#
ipv6-cs-6            2001:468:d01:6::/64
#
# Network Services (Subnet 60)
#
ipv6-net-60          2001:468:d01:3c::/64
#
# CC McKenzie Hall (Subnet 91)
#
ipv6-cc-grayson-91   2001:468:d01:5b::/64
#
# CC Servers (Subnet 142)
#
ipv6-cc-servers-142  2001:468:d01:8e::/64
#
# Network Services (Subnet 156)
#
ipv6-ns-156          2001:468:d01:9c::/64
```

```
#  
# Academic Services (Subnet 162)  
#  
ipv6-cc-academic-162      2001:468:d01:a2::/64  
  
#  
# CC Academic Services (Subnet 214)  
#  
ipv6-cc-academic-214     2001:468:d01:d6::/64  
  
#  
# CC News Servers (Subnet 220)  
#  
ipv6-news-network        2001:468:d01:dc::/64  
  
#  
# Loopbacks (Subnet 250)  
#  
ipv6-soho                 2001:468:d01:fa::/64  
  
#  
# Loopbacks (Subnet 253)  
#  
ipv6-loopbacks           2001:468:d01:fd::/64
```