

ILNP – Identifier Locator Network Protocol

University of St Andrews

<https://ilnp.cs.st-andrews.ac.uk/>

netDEF

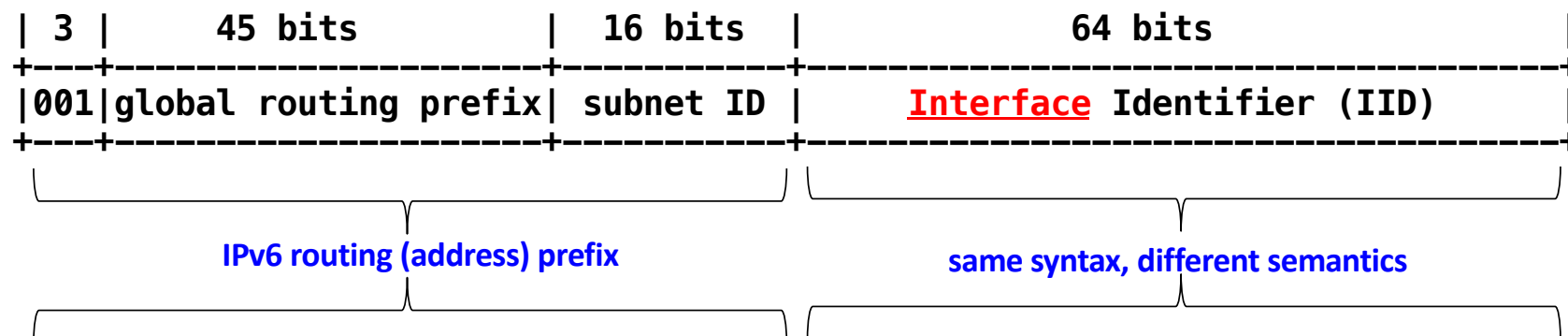
<https://netdef.org>

ILNP – The story so far ...

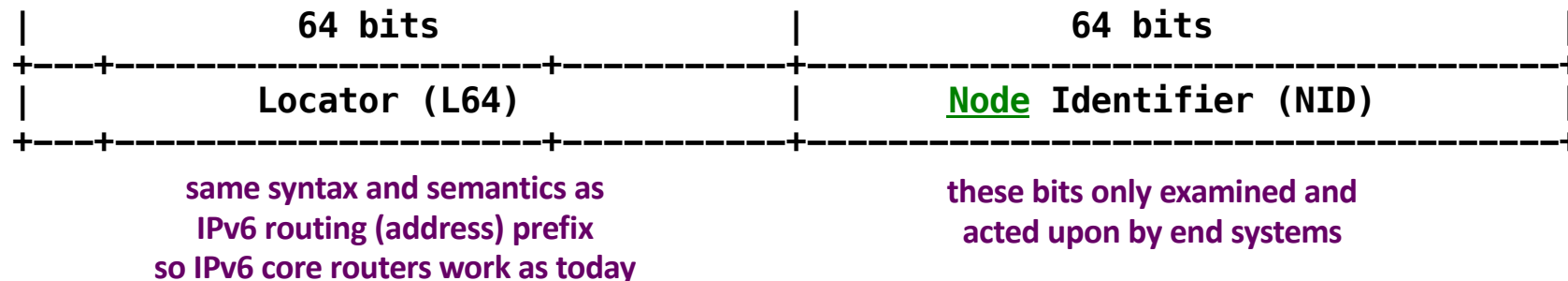
- RFCs 6740 – 6748 (Experimental)
- IETF104/Prague – Linux 4.9 kernel
- **IETF118 / 119 / 120 / 121 – FreeBSD 14.0 kernel.**

ILNP addressing

IPv6 (RFC8200(S)) – general IPv6 global address format:



ILNP (RFC6741(E)) – Identifier Locator Vector (I-LV):



IETF122/Bangkok

- **Team:**

- Rod Grimes (FreeBSD kung-fu, netDEF)
- Alistair Woodman (Spiritual Guidance, netDEF)
- Saleem Bhatti (Project lead, U. St Andrews)
- Many thanks to NOC Team (esp. Con and Sean) 😊

- **Aim :** test ILNP FreeBSD **14.1-RELEASE** kernel:

- Basic connectivity.
- Deployment capability.

What got done

- FreeBSD 14.1 debugging (mostly) done.
- Connectivity tests between Bangkok and St Andrews:
 - IPv6 destination option header (RFC6744)
 - ping6 😊, ssh 😊, rsync 😊
 - iperf3 various tests (in progress) 😊
 - dynamic multipath (RFC6743) (in progress).
 - Fremont testbed (in progress).
- **Hackdemo Happy Hour – Shared Workspace.**