Photonic Internet Lab. (PIL)
http://www.pilab.org/

- The Photonic Internet Lab. (PIL) was founded in 2002. PIL is supported by the MIAC (Ministry of Internal Affairs and Communications) in Japan.
- PIL is promoting R&D on next-generation photonic network control protocols based on photonic technologies for managed networks. It encourages its members to submit proposals to global standardization bodies such as ITU-T, IETF, and OIF.

Definition part

Leading Edge Code

PIL leading Edge Code

Next Step Standard Code

Standard core code

A

B

C

D

PIL targets for NGN architecture/protocol
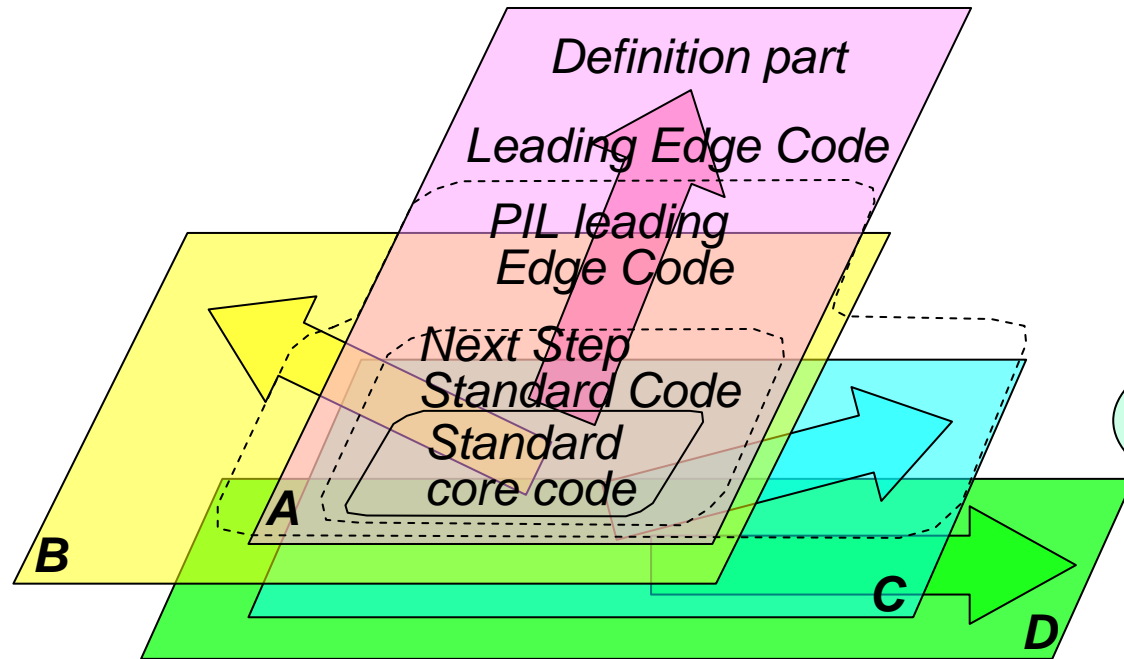
All optical network control (RWA, Impairment)

Multi-region

Reliability

Control network

Link management (LMP)

Routing (OSPF extension)

Signaling (RSVP-TE extension)

PIL Members

NTT NEC MITSUBISHI ELECTRIC FURUKAWA ELECTRIC KEIO UNIVERSITY

OKI HITACHI Inspire the Next FUJITSU ip infusion

ISOCORE