DICE update
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Outline

- Organizations involved and their environment…
- Details on 'BoD' design cooperation…

Organizations involved and their environment

- DICE
  DANTE + European NRENs: GN2 project
    Internet2
      CANARIE
        ESnet
- First meeting in 2003, several meetings a year
- Subjects discussed:
  - Operational:
    coordination at IP peering and intercontinental path level
  - Project/experimental:
    monitoring (GN2-JRA1: common system in Internet2 and GN2; PerfSonar), security (GN2-JRA2), Bandwidth on Demand (AutoBAHN/GN2-JRA3…), Authentication and Authorization Infrastructure (GN2-JRA5: eduroam and eduGAIN)
    First cooperation was on the term *path/p2p*, which resulted in a document on the path services provided by several networks.

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Details on 'BoD' design cooperation (1/2)

- Projects involved (in alphabetic order):
  AutoBAHN (GN2-JRA3), BREW, DRAGON, OSCARS and UCLP

- Several meetings have been held to compare and harmonize architectures (inter domain interfaces, intra domain interfaces, protocols, roles, path finding, topology updates, naming/addressing, technology stitching, etc.)

- Technology stitching Framework and Data model have been presented (e.g. at GLIF in Tokyo). Now being applied to two intercontinental paths:
  Brno-Louisiana and Munich-Pennsylvania scenarios…

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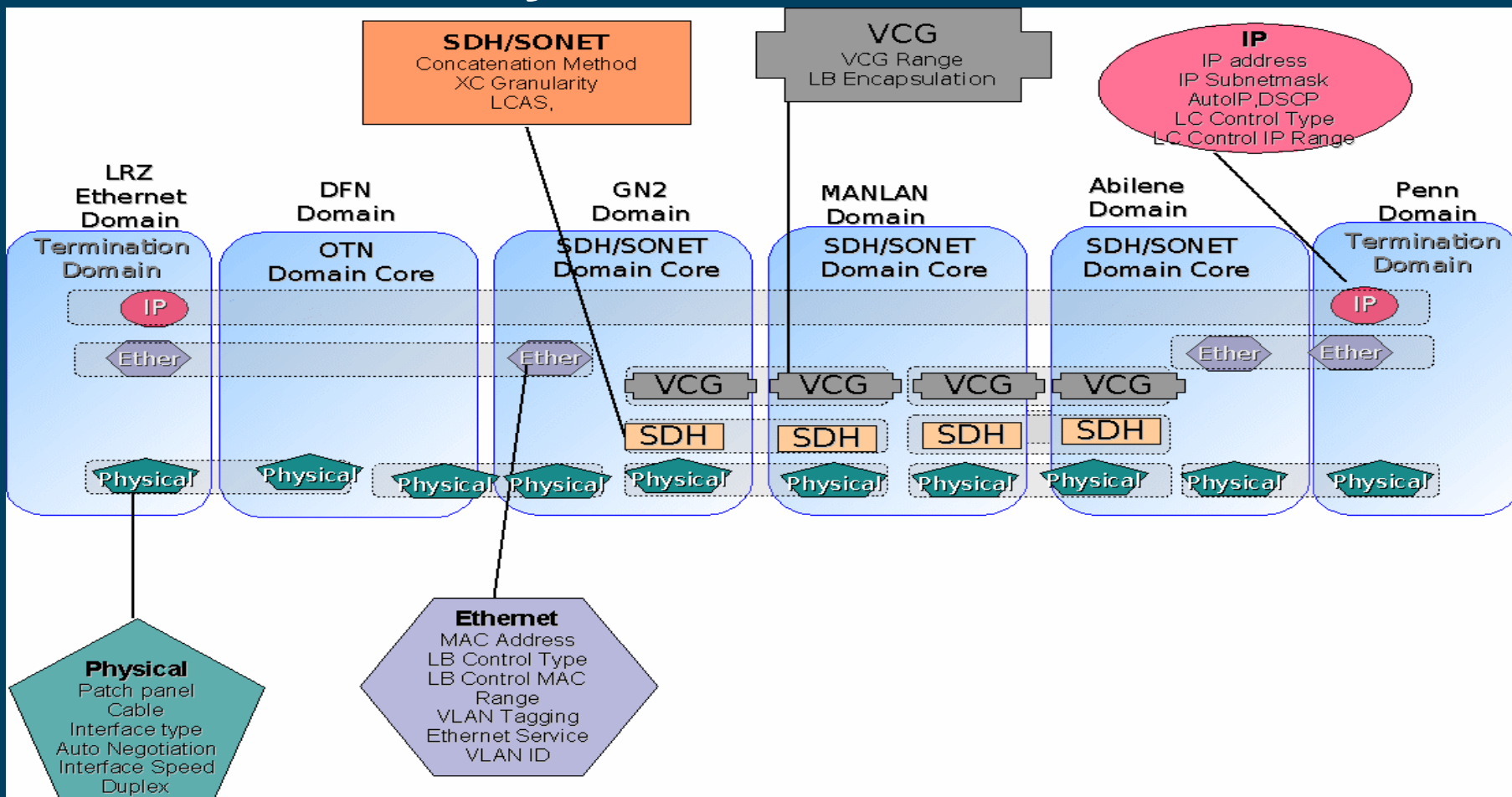
Details on 'BoD' design cooperation (2/2)

- To make sure that a 'BoD' request can be setup between the 'BoD' systems in a multi technology/ provisioning/ administration domain environment, work is done on harmonize interfaces (protocols and the XML schema) for the following processes:
    - Topology updating
    - Resource scheduling
    - Signalling
- Terminology, addressing, naming and abstraction will also be coordinated between the projects.
- Several of the above points will be finalized in 1H2007