

Pacific Wave International Exchange

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Pacific Wave

- Collaboration between CENIC and PNWGP
- Began as first geographically distributed exchange in 2004
- Pacific Wave is an open exchange supporting both commercial and R&E peers
- Currently serves 29 countries peering across the Pacific and Western United States
- With PNWGP and TransPac, announced the first 100Gbps Trans-Pacific link from Tokyo to Seattle in 2015



CENTER California

Connecting California

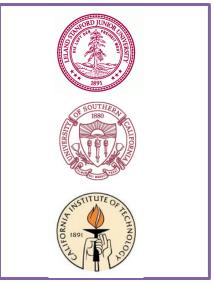
CENIC is a non-profit created to serve California's K-20 research & education institutions with cost-effective, high-bandwidth networking

Six Charter Associates:

- California K-12 System
- California Community Colleges
- California State University System
- Stanford, Caltech, USC
- University of California
- California Public Libraries

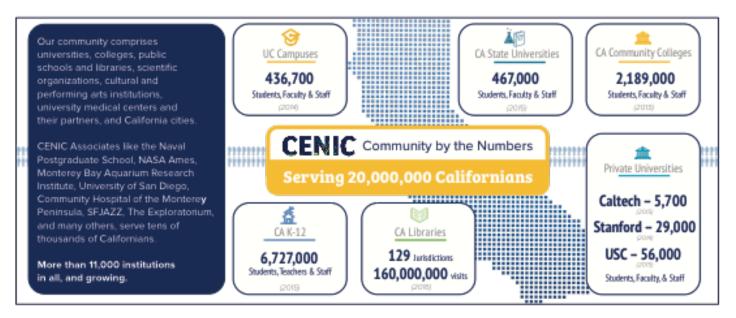








CENIC in California



CENIC Provides a World Class Network I CENIC connects the state's research and education institutions to peers around the world, with an estimated 20 million Californians using CENIC's services. CENIC is part of a global ecology of research and education, government, and commercial networks, and manages a vast portfolio of integrated networks on behalf of its members and partners, delivering quality, efficiency, and value for all.

Pacific Wave and GNA

Pacific Wave:

- has always operated open exchange points
- has initially listed Seattle, Sunnyvale and Los Angeles as GNA Exchange Points
- is including backbone links between exchange points
- is including (with TransPac) 100G link from Seattle to Tokyo

Pacific Wave and GNA

- GNA compliance means various policies and documentation readily available online
 - PW is working to draft and publish: Privacy Policy,
 PW backbone link AUP, Service Expectations

Nx100G Across the Pacific

CURRENT:

- TransPac/Pacific Wave (Tokyo-Seattle)
- SINGAREN/Internet2 (Singapore-Los Angeles)
- SINET/SoftBank/Pacific Wave (Tokyo-Los Angeles)
- AARNET/PIREN/Pacific Wave (Australia-SEA)
- AARNET/PIREN/Pacific Wave (Australia-LA)

FUTURE:

UH/PIREN/Pacific Wave (Guam-Hawaii-LA)

Pacific Wave and NSF/IRNC

- Pacific Wave has been partially supported through three separate five-year National Science Foundation grants supporting growth, connectivity and innovation
- Current award promotes 100G expansion and implementation of SDX capabilities within Pacific Wave (ACI-1451050)

QUESTIONS AND COMMENTS

Please direct questions regarding Pacific Wave to:

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-or-

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