

Oregon University System Distance Education Networks

Oregon Access Network (OAN)

The Oregon Access Network (OAN) is a two-way interactive videoconferencing network that links over 300 sites throughout Oregon. One of the nation's first comprehensive IP-based video networks; OAN includes over 265 high schools, 20 Education Service Districts (ESDs), and provides connections to 30 community college and higher education sites. Videoconferencing units are connected through dedicated, frame-relay video circuits or through aggregated video and data broadband connections. A centralized hub operated by the Oregon Department of Administrative Services provides bridging services for multi-point conferences and scheduling software to manage use of the system. OAN is used for administrative meetings, teacher training and professional development, and K-20 distance education courses and programs. Final report (3/02) on Oregon Senate Bill 622 and the Implementation of the Oregon Access Network.

OWEN (The Oregon WidE area Network)

OWEN is a collaboration among three state computer networks to realize cost savings by sharing bandwidth and access to Internet providers. The three networks include the OUS NERO network, the Oregon Department of Administrative Services (DAS) network, and OPEN, the state's K-12 network. OWEN provides broadband intrastate services among participants and redundant broadband access to commercial Internet providers. The network provides online access to courses, research materials and other educational services. OWEN's K-20 collaboration played a key role in Oregon becoming one of the early participants in the national Internet2 K-20 Initiative. The goal of the Internet2 K-20 Initiative is to bring advanced networks and services directly to innovators across all education sectors.

OUS Videoconferencing Services (InTelNet Operation Network Center)

OUS operates a videoconferencing system for administrative and distance education use. In 2001 OUS upgraded the Lucent Multipoint Conferencing Unit (MCU) to handle both ISDN-based (H.320) and IP-based (H.323) videoconferencing units. The OUS hub connects OUS institutions and regional education centers with community college and K-12 sites within Oregon and with a wide variety of videoconferencing units worldwide.

Oregon WIN (Oregon Wireless Instructional Network)

Oregon WIN is a consortium of universities and community colleges that operates an Instructional Television Fixed Service (ITFS) network throughout the Willamette Valley. The "last mile" wireless network provides video programming directly to homes, businesses, schools and government offices from Eugene to Portland. Oregon WIN operates in partnership with Sprint Corporation. Oregon WIN leases excess ITFS spectrum for commercial use in exchange for the construction and operation of the Oregon WIN educational network.

Internet2

Internet2 (I2) is the leading next-generation Internet for higher education and research. Over 170 U.S. research universities connect to I2 and a growing number of counterpart international networks via high-speed circuits. Connection to I2 is via Abilene (runs over Qwest facilities) or the legacy vBNS (runs over MCI facilities). Sites can connect to Abilene or vBNS directly, or share a circuit via an aggregation point known as a Gigapop. UO, OSU, EOU, OIT, SOU, and WOU all connect via the Oregon Gigapop run by UO, which connects to Abilene via an OC3 to Denver, CO, and an OC3 to Sacramento, CA. In summer 2000, PSU, OGI, and OHSU brought up the Portland Research and Educational Network (PREN), which has OC12 connectivity via the University of Washington's Gigapop in Seattle. Oregon public schools (K-12) also participate in I2 through the Internet2 K-20 Initiative.

Other Oregon Distance Education Links

- **Network for Education and Research in Oregon (NERO)**
- **Oregon Colleges Online**
Distance Education at Oregon Community Colleges
- **Oregon Educational Technology Consortium (OETC)**
OETC is an incorporated not-for-profit membership organization dedicated to maximizing the value of educational technology to its members by working with software and hardware vendors to procure the most effective and appropriate technological resources at the lowest possible price. OETC membership is comprised of over 350 educational institutions, school districts and other educational nonprofit organizations primarily in Oregon but increasingly throughout the Pacific Northwest and beyond.
- **Oregon Public Broadcasting (OPB)**
OPB offers an array of services for educators including video-based content. OPB Teacher Resource Staff is currently preparing to offer portions of their teacher outreach events via the OPENAccess21 Network.
- **Oregon Public Education Network (OPEN)**
K-12 eEducation
- **Oregon Video and Online Services (VOS)**
Data, video, and online services provided to government and education (K-16) through Oregon's Department of Administrative Services.
- **State of Oregon Enterprise Network (SOEN)**