



Motivation & Objectives

NSRC helps to establish and improve operational Internet ecosystems, both physical (network connectivity) and human (technical capacity), which are necessary for continued Internet growth and utilization to flourish. Our goal is to connect people.

Key Results

For more than thirty years, the NSRC has helped develop Internet infrastructure and network operations communities in 130+ countries, assisted thousands of universities, facilitated the deployment of dozens of Internet Exchange Points (IXPs) in all world regions, and provided technical guidance to dozens of ccTLD registries for stable, secure DNS operations in cooperation with ICANN.

In addition to technical training via network operator groups, national research and education network communities, and shared infrastructure such as Internet Exchange Points, the NSRC emphasizes Direct Engineering Assistance (DEA) to improve operational infrastructure, resulting in better and faster networks.

NSRC achieves this through targeted capacity building activities and partnerships with universities, RENs, NGOs, Internet Service Providers, industry, government and supranational agencies in Africa, Asia-Pacific, the Middle East, Latin America-Caribbean, and North America.

Building international R&E connections...



...in more than 130 countries since 1992

NSF award number 2029309



What the NSRC Does

Works with numerous orgs worldwide to enhance network operations, affordable Internet access and human resource development of network engineers.

Leverages long-term built relationships with government, academia, industry, and private investments to facilitate building shared Internet infrastructure.



International Infra Contributions

- NSRC played a key role in helping establish the first Internet connections and ccTLD delegations in Peru, Argentina, Brazil, South Africa, Zambia, Botswana, Namibia, Egypt, Guinea, Sri Lanka, Indonesia, Thailand, Kenya, Morocco, Liberia, Senegal, Tanzania, Cambodia, Lebanon, Saudi Arabia, Jamaica, Togo and others.
- The science-enabling activities have assisted with the formation of National Research and Education Networks (NRENs) in 50+ countries as well as 15 Regional RENs in Africa, Eurasia-Pacific, Latin America-Caribbean, and the Middle East.
- From 1992 through 2025, the NSRC facilitated the distribution and deployment of 850+ tons of network equipment and technical reference books to universities, hospitals, libraries, research facilities and Internet eXchange Points in 130 countries around the world.

Regional and Country NOGs

All world regions and many countries now have their own Network Operator Group events and communities.

- APNOG, APRICOT, CaribNOG, LACNOG, MENOG, NANOG, PacNOG, SANOG, WALC
- Almost every European country has a NOG.
- Most economies in the Asia Pacific region have a NOG.
- Numerous African countries have a national NOG.

Why?

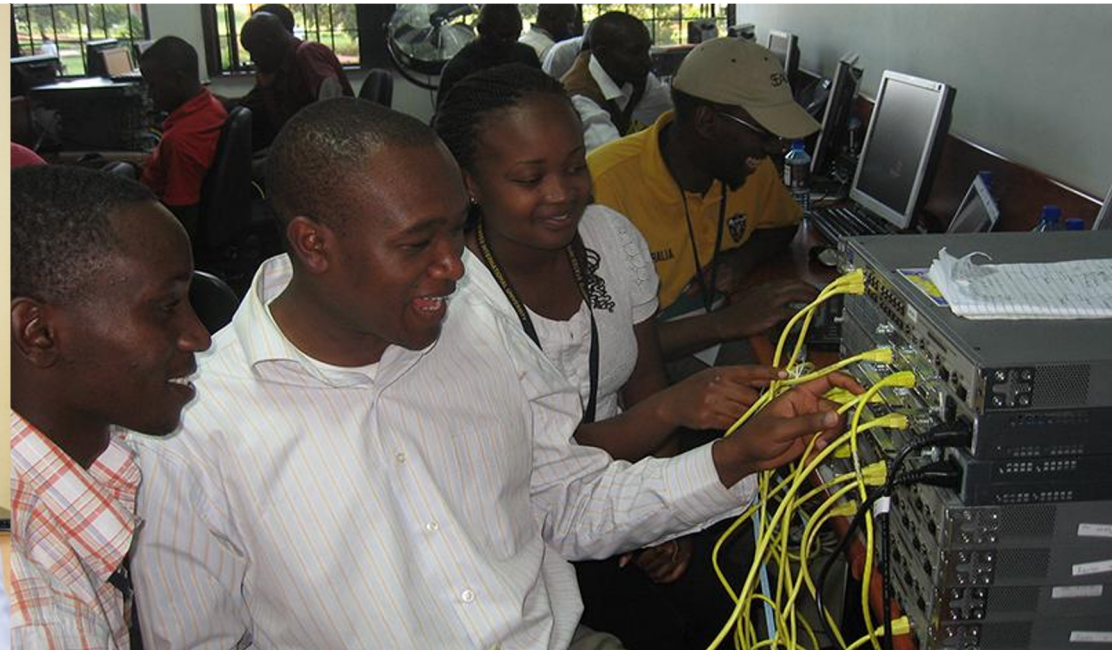
- International travel to attend a “big” NOG is not in everyone’s reach.
- Country NOGs develop a local operator community to help manage operational issues, technical challenges, and create local interconnects.
- Peering and business relationships
- Technology discussions and operational best practices
- Compare experiences (suppliers, equipment purchasing discussions, etc.)
- Employment opportunities

Education Outreach and Training (EOT) Calendar for Internet Development maintained by NSRC and the community

<https://nsrc.org/calendar>

The NSRC Model

- Technical training and human resource development activities
- Direct engineering assistance (DEA) to build operational infrastructure
- Participatory development (request-driven via international partners)
- Local hands cultivating local expertise (scaling workforce impacts)
- Catalyzes and assists networking within the least connected regions of the world



1215+ Field Activities & 61,000 Trained

Approximately 35% of the participants trained in NSRC educational programs, engaged in direct engineering assistance, or received fellowship funding from the NSRC during 2024-2025 were women.



Working with PacNOG

PacNOG 36, December 2025, Rarotonga... and...



PacNOG 1

[PacNOG 35](#): June 2025, Suva
[PacNOG 34](#): November 2024, Apia
[PacNOG 33](#): June 2024, Guam
[PacNOG 32](#): November 2023, Nuku'alofa
[PacNOG 31](#): June 2023, Port Vila
[PacNOG 30](#): August 2022, Suva
[PacNOG 29](#): December 2021, Online
[PacNOG 28](#): July 2021, Online
[PacNOG 27](#): December 2020, Online
[PacNOG 26](#): July 2020, Online
[PacNOG 25](#): December 2019, Suva
[PacNOG 24](#): July 2019, Apia
[PacNOG 23](#): December 2018, Majuro
[PacNOG 22](#): July 2018, Honiara
[PacNOG 21](#): December 2017, Nuku'alofa
[PacNOG 20](#): July 2017, Suva
[PacNOG 19](#): November 2016, Nadi
[PacNOG 18](#): November 2015, Guam



PacNOG 3



PacNOG 3



[PacNOG 17](#): July 2015, Apia
[PacNOG 16](#): December 2014, Honiara
[PacNOG 15](#): July 2014, Port Vila
[PacNOG 14](#): December 2013, Suva
[PacNOG 13](#): July 2013, Nuku'alofa
[PacNOG 12](#): December 2012, Port Moresby
[PacNOG 11](#): July 2012, Nadi
[PacNOG 10](#): November 2011, Nouméa
[PacNOG 9](#): June 2011, Suva
[PacNOG 8](#): November 2010, Pohnpei
[PacNOG 7](#): June 2010, Pago Pago
[PacNOG 6](#): November 2009, Nadi
[PacNOG 5](#): June 2009, Papeete
[PacNOG 4](#): June 2008, Port Vila
[PacNOG 3](#): June 2007, Rarotonga
[PacNOG 2](#): June 2006, Apia
[PacNOG 1](#): June 2005, Nadi



Pacific Region

Over 14,300 trained across 435 events



NSRC Internet Development and Deployment

1990 to 2025

Region Filters:
Asia/Australia/Pacific

Activity Filters:

- Workshop
- Assist with infrastructure
- Technical conference
- Presentation or Tutorial

Interactive map created by [UO InfoGraphics Lab](#), Department of Geography | [CARTO.js](#) | [HighCharts](#) | [Leaflet](#)





NSRC Work in the Pacific Islands

Between 1990 to 2025 NSRC has worked with these Pacific Island countries

American Samoa
Christmas Island
Cook Islands
Fiji
French Polynesia
Guam

Kiribati
Northern Mariana Islands
Micronesia
Nauru
New Caledonia
New Zealand

Niue
Palau
Papua New Guinea
Philippines
Samoa
Solomon Islands

Timor-Leste
Tokelau
Tonga
Tuvalu
Vanuatu

PacNOG: <https://pacnog.org/>

- First meeting June 2005 in Nadi, Fiji
- 36 PacNOG meetings since 2005. NSRC has participated in all of them.
- Primarily for technical training of network operators
- Conference for network operators to hear updates, developments, and discuss technology best practices for the Pacific Islands



NSRC is engaged by invitation with the Google Pacific Connect Initiative.



NSRC Volunteers and Instructor-Trainees

The best way to reinforce your knowledge of a subject is to share it.

- NSRC's track record of engaging world-class experts to assist with education, outreach, and training programs as volunteers in NSRC activities provides enormous value-add benefits.
- The technical, engineering and teaching assistance provided pro bono by hundreds of colleagues from the Internet Engineering Task Force (IETF), NOGs, Internet2, Energy Sciences Network, CENIC, Regional Internet Registries (RIRs), ICANN, ISOC, Google, Amazon, Apple, Juniper and colleagues from universities and R&E networks all over the world greatly contributes to the success of the NSRC's international Internet development activities.
- Select participants from NSRC training programs volunteer to be instructor-trainees to expand their skills, take more expertise back to their home environments, and spread it further.



NSRC Sponsors and Supporters



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