



**34 MEETING OF PERMANENT CONSULTATIVE  
COMMITTEE I: TELECOMMUNICATIONS/  
INFORMATION AND COMMUNICATION  
TECHNOLOGIES**  
**April 29 to May 3, 2019**  
**Lima, Peru**

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### **IPV6 DEPLOYMENT ACTIVITIES**

**(Item on the Agenda: 4.2.2)**

**(Information document submitted by American Registry for  
Internet Numbers - ARIN)**

ARIN, one of the five Regional Internet Registries (RIR), is pleased to inform CITELE of recent activities regarding the deployment of IPv6.

In addition to the main ARIN website, ARIN maintains a community blog called "Team ARIN" ([www.teamarin.net](http://www.teamarin.net)) to inform individuals, businesses, civil society, and governments on issues facing the Internet community. The site features a library of IPv6 case studies which offer detailed accounts from organizations that have deployed IPv6. Guest authors from different organizations including government, private sector and academia share opportunities, and challenges, related to the deployment of IPv6. The case studies are available at:

<https://teamarin.net/get6/ipv6-case-studies/>

The top article on 15 April 2019 on the site is from Microsoft, "Veronika McKillop explains why Microsoft decided to make the move to an IPv6-only internal network and how they are going about getting as much user traffic as they can on IPv6." A snapshot of the Team ARIN blog is attached below.

ARIN recently attended TDAG and learned of possible additional areas of interest regarding IPv6. The BDT, which is the ITU D Sector's secretariat, reported on BDT assistance to the development of infrastructure (Contribution 29 of TDAG 3-5 April 2019). The BDT report included the following:

1. "In the Africa region, assistance was provided in setting up Internet protocol version 6 (IPv6) testbeds in Côte d'Ivoire, Uganda, Zimbabwe, and Cameroon to be used as sub-regional test beds for IPv4 to IPv6 migration."
2. "A feasibility study was conducted on IPv6 test beds improvement and IPv6 Roadmap was developed for Mongolia and Brunei Darussalam."
3. "BDT and Malaysia University of Science and Technology are working towards the establishment of an ITU IPV6/IoT Expertise Centre for supporting Member States in their transition from IPv4 to IPv6 for IoTs."
4. "A master plan is under development to facilitate African countries to adopt IPv6."

ARIN hopes that this information is found to useful.

## IPv6 CASE STUDIES

Now is the time to Get6, but you don't have to take our word for it. Hear detailed accounts from organizations that have already made progress on their IPv6 journey.

Want to work with us to develop your IPv6 case study? Let us know!

**Microsoft**

Veronika McKillop explains why Microsoft decided to make the move to an IPv6-only internal network and how they are going about getting as much user traffic as they can on IPv6.

**Patton**

Marc Aeberhard describes how Patton developed a step-wise process to identify the gaps between what they wanted to do and where they were within their IPv6 strategy.

**University at Buffalo – SUNY**

Tony Casciano explains how University at Buffalo – SUNY made nearly 100% of their enterprise services IPv6-enabled with the goal to avoid disrupting existing IPv4 services in the process.

**University of Pennsylvania**

John W. O'Brien shares a timeline of UPenn's IPv6 deployment and explains why implementing IPv6 does not have to be especially difficult, costly, or disruptive.

**Virginia Tech**

Brian Jones takes us through Virginia Tech's IPv6 journey that began back in 1997, while recommending several items everyone will want to consider early on in their deployment.

**Merit Network**

Lala Killey describes Merit Network's two-year pilot program that could serve as a model for the higher education & REN communities for promoting and advancing IPv6 deployment in their networks.

**Do You Get IPv6?**

**178.197.239.85**

Connect to the Whole Internet with IPv6

**LET US HELP YOU GET ONBOARD**

### FEATURED POSTS

- Life After IPv4 Depletion
- No More Excuses: IPv6 Planning Made Easy
- IPv6 Success Stories from Companies that Have Done It

### TWITTER

- Tear **ARIN** @TeamARIN · · 12 Apr  
 "Dual-stack is only a temporary solution. The ultimate solution is #IPv6-only." -Veronika McKillop @Microsoft <https://t.co/q9jCV141FR>
- Tear **ARIN** @TeamARIN · · 12 Apr  
 We hope everyone has traveled back safely from #ARIN43! If you'd like to refer to anything you saw at the meeting, the slides have been posted online. In the coming days full transcripts and webcasts will be made available as well. <https://t.co/qsz3UeHvd>
- ARIN Retweeted
- bevil **Bevil Wooding** @bevilwooding · · 11 Apr  
 Ann Rachel Innis @TeamARIN Executive Director Government Affairs and Public Policy at ARIN sharing on key issues being address at global internet policy development fora at #ACF2019 CTU/Arin Public Policy Group meeting in Barbados

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