

Afghanistan Struggles to Take Control of Its Internet Domain

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the Bhutanese capital of Thimphu when, after some ceremonial chanting by monks, Queen Ashi Dorji Wangmo Wangchuk fired off the first e-mails with the .bt domain to some Bhutanese students overseas.

Mr. Lepage had also worked in East Timor, which won its independence from Indonesia in 1999. The newly independent nation needed years to get the suffix it wanted. To get the country around the biggest roadblock—a man in Ireland who owned rights to the country's logical domain and refused to give them up—Mr. Lepage's boss paid the \$30 fee out of his own pocket to buy the domain east-timor.org and gave it to the government. Only now is that being phased out in favor of East Timor's new domain .tl (for the country's official name Timor-Leste).

Mr. Lepage came to Kabul as the development program's telecommunications point man for the country. He went to work trying to find Mr. Razeeq, the man who had registered .af back in 1997. But Mr. Lepage didn't have any more luck finding Mr. Razeeq than the IANA had been having since 2000, when it lost touch with him. Mr. Razeeq had never signed up anyone to use the .af suffix,

according to the IANA. The Taliban regime then outlawed the Internet in August 2001.

Mr. Lepage traced Mr. Razeeq's e-mail address to a service provider in Pakistan, and from there to another e-mail address to which messages had been forwarded. Incoming traffic to the second address had been directed to yet

Officials hope the .af domain will be the seedbed for a local computer industry.

another address, that one affiliated with a Web site. When Mr. Lepage opened the Web site, it was filled with virulently anti-Semitic and anti-U.S. slogans, mostly in Arabic, says Mr. Lepage. The site has since disappeared. Meanwhile, a few people seemed to recognize the name around the communications ministry, but no one knew where to find him. Many wondered whether he was even alive.

By this time, however, the IANA

opened a new route to claiming the domain: If the new government could document that Mr. Razeeq couldn't be located and had never put the domain to any use, then the .af domain could be taken away from him under IANA rules.

But that didn't mean the IANA was ready to let Afghanistan take over the domain quite yet. For that to happen, the government had to show it could support an active domain—provide skilled engineers to maintain registries of addresses, take care of multiple backup servers and maintain consistent security, among other things on a long list of IANA requirements.

This was a daunting challenge for a ministry that operates out of a 16-floor concrete building in Kabul with no heat, no elevators and just two bathrooms. When Mr. Lepage moved his 25-person staff into the building in August, there was no furniture. Among his first problems was the lack of qualified technicians in Afghanistan. He found Muhammed Aslam, an Afghan working for an Internet-service provider in Peshawar, Pakistan. Mr. Aslam, who is now taking over much of the day-to-day technical work, will eventually oversee the domain.

But this transition to local control, like the U.N.'s overall plan to leave Afghanistan, could prove tricky. One problem: the salary discrepancy between U.N.-paid workers in the country and local staff. Mr. Aslam, who is on the U.N. payroll, makes \$600 a month in U.S. currency. Mr. Stanakzai, the telecommunications minister, makes the equivalent of \$50 a month in local currency.

Afghanistan isn't currently up to the task. Even with two backup generators, power blackouts were too frequent to risk placing the .af domain's main servers there. For at least a year, the main server and a backup will remain in New York. Two more servers were set up in Kabul—one that will become the main server and the other for training of staff.

On a chilly day—both inside and outside the ministry—late last month, Mr. Lepage got permission from Internet authorities to bring the domain to life. Copied to the communications minister, the permission was the first e-mail sent out under an .af address. Mr. Lepage printed it out and walked up a floor to show it to Mr. Stanakzai, who was thrilled. He hadn't yet checked his e-mail.

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