

AISI-Connect National ICT Profile BURKINA FASO (BF)

GENERAL DATA	ICT-INFRASTRUCTURE	ICT POLICIES
Capital: Ougadougou	Fixed lines (K) '98: 41	Competition in local loop: Monopoly
98 Population (M): 11.31	97-98 % Fixed Line Growth: 11.8	Competition in telephone terminals: No
Currency: CFA	98 Mobile Lines (K): 3	Independent regulator: No
Exch rate (/US\$): 727.0	Mobile Line Growth (%): 82	Private Wireless Data allowed: No
Currency Stability: -16.0	Cities with Internet POPs: 1	Independent Internet VSAT Allowed: No
97 GDP US\$/person: 199.0	Local Call National Internet: Yes	VSAT License Fees:
97 Total GDP (\$B): 11.6	Dialup Internet subscribers: 3800	Satellite Phone access: No
Local Stock Exchange: No	International Bandwidth (Kbps): 1024	Universal Service Obligations:
Personal Safety: 3	Internet Hosts: 211	IAP License Fees (\$/yr): none
Political Stability:	Internet domains: 30	Private Phone Kiosks: No
Tertiary ICT Students:	Dialup Internet Cost 20hrs/mnth (\$): 42	Public VOIP Allowed: No
ICT Training seats:	64K Local Internet link (\$/mnth):	Business Ownership Rules:
ISDN: No	64K Internat Internet Link (\$/mnth): 1320	Repatriation of Profits Rules:
VPN Services: No	Local phone call cost (US\$/hr: 1.1	Restrictions on market entry:
UNDP Human Devel Index: 171	Monthly tel line rental (\$/mnth): 3.5	Export Credit Guarantees:
.	Telephone waiting time/Wait List:	.
.	Internet Access Providers 3	.
.	Mobile Operators: 1	.
.	Fixed Line Telecom Operators: 1	.

[Key to table values](#) All figures above in US Dollars (\$)

ICT Profile:

Internet:

The sole international link is provided by the national fixed line operator, ONATEL which also has a dialup service and leased line service (10 clients) which it operations in competition with two other ISPs - CENATRIN and LIPTINFOR. ONATEL is planning to install 5 POPs in the country in 2000. With about 1000 accounts, CENATRIN is the largest ISP after ONATEL. ONATEL provides leased line Internet services to 5 clients - RESINA (the government administrative network with about 800 users), RENER (the education network with about 600 accounts), CENATRIN, the Union

Economique et Monétaire Ouest-Africaine (UEMOA), and Horizon FM radio station.

There were an estimated 5200 PCs in the country in 1998.

Telecommunications:

The **Ministere de la Communication et de la Culture** is responsible for regulation of the telecommunications sector.

The **Office national des Télécommunications** (ONATEL) is currently the sole provider of telecommunications services and international Internet links. In 1998 ONATEL's network comprised about 80 exchanges with a total capacity of 34 100 lines and about 19 000 subscribers with about 1000 additional subscribers on the mobile GSM network.

Communication Costs

ONATEL Internet Charges:

1. Dial-up access - Startup: 6500 F CFA - Connect time 1000 F CFA/hour
 2. Analogue Leased Line (4 wire, 33,6K bps - Account creation: estimate on request - Monthly subscription: 550,000 F CFA
 3. Digital 64Kbps Leased Line with Class C address - Account creation: estimate on request - Monthly subscription: 850,000 F CFA
 4. Email Account - Account creation: 8500 F CFA - Monthly subscription: 5200 F CFA
- All prices subject to 15% tax.

ONATEL provides dial-up access to its Internet service for the cost of a local call from anywhere in the country. Local calls cost 60 CFA per 6 minutes - US\$1/hour. Liptinfor Charges: Formule "Mail": 5000 F TTC / mois pour 5 heures de connection, 1 boîte mail
Formule "Surf" : 15.000 F TTC / mois pour 30 heures de connection et 3 boîtes mail. CENATRIN drop-in access - 2000 CFA/30 minutes.

Important tax is 5% on ICTs, VAT is 18%.

National ICT Activities:

The **Délégation générale à l'informatique** (DELGI) is the government body responsible for national ICT policy.

The leading technical networking organization in Burkina Faso is the **École supérieure d'informatique**.

The other major institution most active in ICTs is the **Centre national de traitement de l'information**.

The **Institute Universitaire de Technologie** is being assisted in developing a strong training programme in ICT equipment maintenance as part of the project to develop an information society. At the other end of the process, content production training will be supported at the **Department des Arts et de la Communication** at the Université de Ouagadougou, at the **Ecole de formation professionnelle de l'information** of the Ministère de la Culture et de la Communication, and at the **Ecole de Musique**.

ORSTOM/RIO, the **Centre national de documentation agricole**, the **Observatoire Hydrologique Régional de l'Afrique de l'Ouest et Centrale**, the **Comité interafricain d'études hydrauliques** and the **Ecole Inter-Etats d'Ingenieurs de l'Equipement Rural** and the **Centre National de Lutte**

Contre le Paludisme are all active.

The **Centre Syfed** is fully operational in Ougadougou and training courses and seminars are organized in collaboration with the Delege generale d'Informatique.

Centres de lecture et d'animation culturelles (CLAC) have been established in 11 provinces in the country with the assistance of ACCT.

There are two major private ICT training companies - the **Centre d'étude et de formation en informatique** (CEFIG) and the **Institut Supérieur d'Informatique de Gestion** (SIG).

The **Centre national de la recherche scientifique et technologique** (CNRST) hosts the **Direction de l'information scientifique et technique** (DIST) and is a partner in ACCT's BIEF project.

The **Organisation de coordination et de coopération pour la lutte contre les grandes endémies en Afrique centrale** (OCCGE), located in Bobo-Dioulasso, hosts the **Système africain de documentation et d'information sur les grandes endémies** (SADIGE) which comprises nine research institutes in the member states - Bénin, Burkina Faso, Côte-d'Ivoire, Mali, Mauritanie, Niger, Sénégal, and Togo.

The **Centre d'information sur le développement** (CID) is charged with mobilising scientific and technical information in support of development.

The **OAU/ECA Information and Communications Technology Exhibition** was held in Ougadougou - 6-12 June '98.

Other relevant institutions:

- Centre national des archives at the Centre de documentation du ministère du Plan is in the process of computerization.
- Centre d'Etude de Documentation et de Recherche Economiques et Sociales (CEDRES).
- Institut Burkinabe de l'Energie (IBE) Internet over electricity grids.
- Réseau Burkinabe de l'Entreprise en Afrique de l'Ouest.
- Centre de Recherche Agricole et de Formation.
- Lycée Technique Industriel et Commercial de Ouagadougou
- Collège d'Enseignement Technique
- Collège d'Enseignement Technique Feminin (CETF)
- Festival Panafricain du Cinéma de Ouagadougou (FESPACO)
- Salon International de l'Artisanat de Ouagadougou.
- Projet de Developpement Integre du Zoundweogo
- Institut d'Etudes et de Recherches Agricoles.
- Redaction de Documents Scientifiques.

Organisational Activities in the ICT Sector:

[l'Observatoire du Sahel et le Sahara \(OSS\)](#) Will collaborate with the CITI-Burkina Faso project of ORSTOM/UNITAR, the Internet Society, DELGI, and ESI to establish the CITI training centre.

[ORSTOM Burkina Faso](#) Store and forward Internet service provider. It has recently assisted in public ICT courses on Administration of a campus network (March '97) Installation and maintenance of Internet servers (May/June '97). ORSTOM also operates two email servers, one in Ougadougou and one in Bobo-Dioulasso at the University campus.

The CITI-Burkina Faso project of ORSTOM/UNITAR will collaborate with the Observatoire du Sahara et du Sahel (OSS), the Internet Society, DELGI, and ESI to establish the CITI training centre. Staff from ESI, EIER and ETSHER have attended the ORSTOM/UNITAR West and Central Africa Internet training course. <http://ouga.orstom.bf/> postmaster@ouga.orstom.bf

Centre national de traitement de l'information The other major institution most active in ICTs. It will provide services to commercial entities under the national information society plan currently being implemented.

CENATRIN is a commercialized agency responsible to the DELGI and charged with advising the government on ICT policy and the promotion and diffusion of informatics in the private sector and the public. Servicing many of the large companies, banks, ministries and parastatals, it provides applications development, Internet access, computer equipment sales as well as regular training courses in office computer applications and LAN administration using Windows NT. About 60 training sessions a year are organized nationally, many in other towns than the capital.

CENATRIN has one of the more content-rich web-sites in Africa detailing all of their products and services and providing interactive forms for course registration. The email addresses of 76 of its users are listed in its address-page. It operates two offices in Ouagadougou and one in Bobo-Dioulasso. About 150 computers were sold by CENATRIN in '96 and since December '96 it has assembled its own PCs. <http://www.cenatrin.bf/> Joachim Ouedraoga info@cenatrin.bf

Délégation générale à l'informatique The government body responsible for national ICT policy.

In March 1997 the DELGI and the PTO (ONATEL) held a national workshop on the development of the national information society in Burkina Faso assisted by IICD and ORSTOM. This has resulted in a detailed and wide-ranging national plan for the increased use of ICTs up until the year 2000. Along the lines of the AISI framework, this will include networking the major government departments and assisting them with content and applications development for information management within government, and information delivery to the public, as well as networking of schools.

The DELGI also hosts the @frinet Web server provided by ACCT. The related Afriweb project has provided training to staff at Fespaco and the Commission nationale de la Francophonie. <http://www.delgi.gov.bf/> Mr Joachim Tankoano <mailto:joachim.tankoano@delgi.gov.bf>

École supérieure d'informatique The leading technical networking organization in Burkina Faso. Part of the Université de Ouagadougou at the Faculte des Sciences et Techniques (FAST) de Ouagadougou which is the administrator for the .bf top level domain and will establish the Internet hub for the educational and research sector under the programme described above. With strong links to the DELGI (Mr Tankoano taught there for many years), it also has extensive information on academic and research sectors in the country on its web site. The University has been developing a project with the support of the Government of Germany to connect it to the Internet.

ESI has accumulated substantial Internet expertise and one of the staff - Mesmin Dandjinou - has contributed to the InterAfrique project's Internet au Sud CD. A current problem for the University is that a large part of the campus, including ESI, has moved to a new location - the city of Bobo-Dioulasso which is 380 kilometres from the capital. Since analogue links are the only type currently available nationally, a 9.6Kbps connection is the maximum speed available. http://www.refer.fr/faso_ct/edu/sup/univ/esi.htm

Ministere de la Communication et Culture Responsible for regulation of the telecommunications sector. mcc@cenatrin.bf

Office National des Telecommunications (ONATEL) Currently the sole provider of telecommunications services and Internet. ONATEL is moving rapidly to modernize its telecommunications network and in December 1998 the government took the decision to privatise the company. The government will reduce its share from 100% to 34%, 3% will be offered to staff and 63% to the private sector. A committee has been established to consider offers.

The service is currently a 256Kbps satellite connection to Teleglobe, Canada. Bids for the provision of Internet access were solicited from MCI, France Telecom, and Teleglobe (Canada). Teleglobe won the bid and systems integrator, OMNES, (a subsidiary of Cable & Wireless) was selected to build the network.. The low-cost service is available at local call tariffs from anywhere in the country. Onatel is planning to develop web hosting services and will install public Internet kiosks at its regional bureaux - Agences commerciales des télécommunications (ACOTEL).

<http://www.onatel.bf/> Pierre Ouedraogo <mailto:po@onatel.bf>

Centre de Recherche Agricole et de Formation Agriculture research and training centre. Roger Zangre

Centre National de Documentation Agricole Has been developing the use of the RESADOC and AGRIS systems. RESADOC is the sub-regional scientific and technical information network for the Sahel.

Institut d'Etudes et de Recherches Agricoles - Programme Agriculture research institute. Clement Combasser combasse@fkb.inera.bf

Observatoire Hydrologique Régional de l'Afrique de l'Ouest et Centrale Hosts an electronic information source for the region on water issues. <http://ohraoc.orstom.bf/>

Institut Burkinabe de l'Energie Internet provision over electricity grids. Suzanne Zoundi ryameogo@ibe.ibe.bf

Liptinfor Internet service provider and computer equipment supplier. Dell Computers representative. <http://www.liptinfor.bf/> Annie Consigny a.consigny@liptinfor.bf

Centre d'Etude de Documentation et de Recherche Economiques et Sociales Economic and social research institution. Herve Kabore kabore@cedres.univ-ouaga.bf

Comité interafricain d'études hydrauliques Has developed information exchange systems on water and hygiene for West and Central Africa.

Festival Panafricain du Cinéma de Ouagadougou The largest African film festival. The next one will be held from 24th February to 3rd March 2001. <http://www.fespaco.bf/> sg@fespaco.bf

Projet de Developpement Integre du Zoundweogo Zoundweogo Province integrated development project. Hippolyte Nana nana@pdiz.pdiz.bf

Rédaction de Documents Scientifiques Drafting of scientific documents. Charles Masson masson@alinea.bf

Reseau Burkinabe de l'Entreprise en Afrique de l'Ouest Burkinabe network company in West Africa. Xavier Bakyono

Salon International de l'Artisanat de Ouagadougou International African Arts and Crafts Trade Show of Ouagadougou. <http://www.siao.gov.bf/english/englishv.htm> sgp@siao.bf

SORECO Certified Oracle database software partner. Moussa Koné soreco@fasonet.bf

XERO-BURKINA Agent for Xerox document management systems, photocopiers etc.

Ecole Inter-Etats d'Ingenieurs de l'Equipement Rural An intergovernmental training institute whose member countries are: Benin, Burkina, Cameroun, Centrafrique, Congo, Cote d'Ivoire, Gabon, Guinee, Mali, Mauritanie, Niger, Senegal, Tchad, Togo. Jean Varret desvigne@eier.univ-ouaga.bf

Centre National de Lutte Contre le Paludisme Used to host the HealthNet Burkina Faso email service for health practitioners - currently not available.

Bureau de La Propriete Intellectuelle, Ministere du Commerce Responsible for intellectual property rights and policies.

Chambre de Commerce, d'Industrie et d'Artisanat du Burkina Faso Provides commercial information on Burkina Faso <http://www.ccia.bf/> ccia-bf@cenatrin.bf

Centre d'information sur le développement Charged with mobilising scientific and technical information in support of development. cid@cenatrin.bf

SDNP Burkina Faso With support from UNDP is expected to establish a \$1 million programme with the objective of expanding the national gateway from 256 to 512kbps, the development of 5 regional Internet nodes, and capacity building of local institutions for delivery of a consistent training programme on networking and management of Internet services. Also a number of pilot projects will be established to connect a few selected institutions and users, the creation of a 'virtual school' and a 'virtual science and technology city'. Mr Joachim Tankoano joachim.tankoano@delgi.gov

Source:

AISI-Connect database - <http://www2.sn.apc.org/africa> Telecom/GDP stats source: ITU/World Bank. Internet hosts: Network Wizards

If located in Africa and not listed here, [add your organisation to this page](#).