

State of Idaho

Department of State

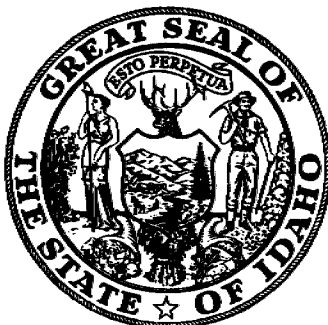
CERTIFICATE OF AUTHORITY
OF

ERICSSON NORTH AMERICA INC.
File number C 106974

I, PETE T. CENARRUSA, Secretary of State of the State of Idaho, hereby certify that duplicate originals of an Application of ERICSSON NORTH AMERICA INC. for a Certificate of Authority to transact business in this State, duly signed and verified pursuant to the provisions of the Idaho Business Corporation Act, have been received in this office and are found to conform to law.

ACCORDINGLY and by virtue of the authority vested in me by law, I issue this Certificate of Authority to ERICSSON NORTH AMERICA INC. to transact business in this State under the name ERICSSON NORTH AMERICA INC. and attach hereto a duplicate original of the Application for such Certificate.

Dated: July 14, 1994



Pete T. Cenarrusa
SECRETARY OF STATE
BY *[Signature]*

APPLICATION FOR CERTIFICATE OF AUTHORITY

(Profit Corporation)

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SECRETARY OF STATE

To the Secretary of State of Idaho

Pursuant to Section 30-1-110, Idaho Code, the undersigned Corporation hereby applies for a Certificate of Authority to transact business in your State, and for that purpose submits the following statement:

1. The name of the corporation is ERICSSON NORTH AMERICA INC.
2. The name which it shall use in Idaho is Ericsson North America Inc.
(To be used only when required to avoid a conflict with a name already on file. Must be accompanied by a Board of Directors resolution adopting assumed name in Idaho.)
3. It is incorporated under the laws of Delaware
4. The date of its incorporation is 11/09/89 and the period of its duration, if other than perpetual, is _____
5. The address of its principal office in the state or country under the laws of which it is incorporated is 1013 Centre Rd., Wilmington, Delaware 19801
6. The address to which correspondence should be addressed, if different than item 5, is 1010 E. Arapaho Road, P.O. Box 833875, Richardson, Texas 75083-3875
7. The street address of its proposed registered office in Idaho is 200 North 23rd St., Boise, ID 83702, and the name of its proposed registered agent in Idaho at that address is Corporation Service Company
8. The purpose or purposes which it is proposed to pursue in the transaction of business in Idaho are: Sale and installation of telecommunications systems.

(Continued on reverse)

Submit applications and certificate of status to:

Office of the Secretary of State
Division of Corporations
Statehouse, Room 203
Boise, Idaho 83720

Secretary of State use only

IDAHO SECRETARY OF STATE

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CK #: 1990 CUST# 25965

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9. The names and respective addresses of its directors and officers are:

Name	Office	Address
Lars Ramqvist	Director-Chairman	Telefonplan, S-126 25 Stockholm, Sweden
Leif Kallen	Director	1010 E. Arapaho Rd., Richardson, TX 75081
Carl W. Ros	Director	Telefonplan, S-126 25 Stockholm, Sweden
Bo C. Hedfors	President	1010 E. Arapaho Rd., Richardson, TX 75081
Michael C. Gillert	Treasurer	1010 E. Arapaho Rd., Richardson, TX 75081
Lawrence F. Lyles	Secretary	1010 E. Arapaho Rd., Richardson, TX 75081
Joseph DeLaLuz	VP-Customs	1010 E. Arapaho Rd., Richardson, TX 75081
John T. Moore	Asst Secretary	1010 E. Arapaho Rd., Richardson, TX 75081

10. The corporation accepts and shall comply with the provisions of the Constitution and the laws of the State of Idaho.

11. This application is accompanied by a Certificate of Corporate Status or Existence, dated within 90 days, duly authenticated by the proper officer of the state or country under the laws of which it is incorporated.

Dated: June 30, 1994

ERICSSON NORTH AMERICA INC.
 (Corporation name)
 By [Signature]
 its President/Vice President (please specify)
 and [Signature]
 its Secretary/Assistant Secretary (please specify)

STATE OF TEXAS)
) ss:
 COUNTY OF DALLAS)

I, DEIDRE L. GILBERT, a notary public, do hereby certify that on this 30th day of June, 19 94, personally appeared before me Lawrence F. Lyles, who being by me first duly sworn, declared that (s)he is the Secretary of Ericsson North America Inc.

that (s)he signed the foregoing documents as Secretary of the corporation and that the statements therein contained are true.

[Signature]
 Notary Public

Office of the Secretary of State

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SECRETARY OF STATE

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "ERICSSON NORTH AMERICA INC." IS DULY INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL CORPORATE EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE TWELFTH DAY OF JULY, A.D. 1994.



Edward J. Freel

SECRETARY OF STATE

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AUTHENTICATION:

7177853

DATE:

07-12-94