

State of Idaho

Department of State

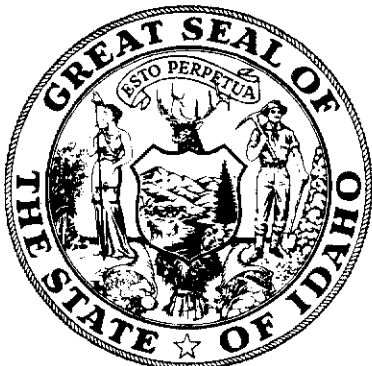
AMENDED CERTIFICATE OF AUTHORITY OF

SCHLUMBERGER SYSTEMS AND SERVICES, INC.

I, PETE T. CENARRUSA, Secretary of State of the State of Idaho, hereby certify that duplicate originals of an Application of SCHLUMBERGER TECHNOLOGIES, INC. for an Amended 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 Amended Certificate of Authority to SCHLUMBERGER TECHNOLOGIES, INC. to transact business in this State under the name SCHLUMBERGER TECHNOLOGIES, INC. and attach hereto a duplicate original of the Application for such Amended Certificate.

Dated August 4, 19 88.



Pete T. Cenarrusa

SECRETARY OF STATE

Lucy J. Cook
Corporation Clerk

APPLICATION FOR AMENDED CERTIFICATE OF AUTHORITY

To the Secretary of State of the State of Idaho:

RECEIVED

Pursuant to Section 30-1-118, Idaho Code, the undersigned corporation hereby applies for an amended certificate of authority to transact business in the State of Idaho and for that purpose submits the following statement.

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1. A Certificate of Authority was issued to the corporation by your office on July 13 19 87, authorizing it to transact business in the State of Idaho under the name of

SCHLUMBERGER SYSTEMS AND SERVICES, INC.

2. Its corporate name has been changed to SCHLUMBERGER TECHNOLOGIES, INC.

(Note: If the corporation name has not been changed, insert "No change.")

3. The name which it shall use hereafter in the State of Idaho is

SCHLUMBERGER TECHNOLOGIES, INC.

Note: If the corporate name has been changed and the new name of the corporation does not contain the word "corporation," "company," "incorporated," or "limited," or any abbreviation of one of such words, insert the name of the corporation with the word or abbreviation which it elects to add thereto for use in Idaho. If a professional service corporation, add the appropriate word in place of those listed above.)

4. It desires to pursue in the transaction of business in the State of Idaho purposes other than or in addition to those set forth in its prior application for certificate of authority, as follows:

No Change

(Note: If no additional purposes are proposed, insert "No change.")

Dated April 20 19 88

SCHLUMBERGER TECHNOLOGIES, INC.

By Michel Guillaud

Michel Guillaud Its President

SCHLUMBERGER TECHNOLOGIES, INC.

And Vincent Polley

Vincent I. Polley Its Secretary

STATE OF MICHIGAN)

) ss:

COUNTY OF WASHTENAW)

I, Vali A. Dyer, a notary public, do hereby certify that on this

20th day of April 19 88, personally appeared

(continued on reverse)

before me Michel Guillaud, who being by me first duly sworn,
declared that he is the President of SCHLUMBERGER TECHNOLOGIES, INC.

that he signed the foregoing document as President of the corporation and
that the statements therein contained are true.

Vali A. Dyer
Notary Public

Vali A. Dyer
Commission expires: 11/25/91

State of Delaware



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SEC. OF STATE

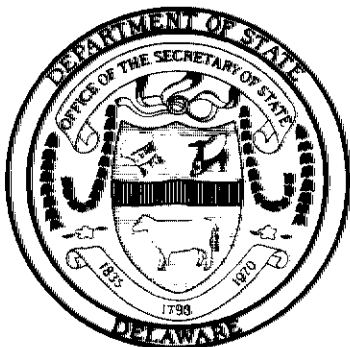
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Office of Secretary of State

I, MICHAEL HARKINS, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY CERTIFICATE OF AGREEMENT OF MERGER OF "BENSON, INC." A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF CALIFORNIA, "SCHLUMBERGER SYSTEMS, INC." A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, MERGING WITH AND INTO "SCHLUMBERGER SYSTEMS AND SERVICES, INC." A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE UNDER THE NAME OF "SCHLUMBERGER TECHNOLOGIES, INC." WAS RECEIVED AND FILED IN THIS OFFICE THE THE TWELFTH DAY OF JANUARY, A.D. 1988, AT 10 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE AFORESAID CORPORATION SHALL BE GOVERNED BY THE LAWS OF THE STATE OF DELAWARE.

|||||



738210117

Michael Harkins

 Michael Harkins, Secretary of State

AUTHENTICATION: 11804653
 DATE: 07/28/1988

RECEIVED
SEC. OF STATE

CONSENT TO USE OF NAME

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Schlumberger Technology Corporation, a corporation
organized under the laws of the State of Texas, hereby consents, to
~~the organization~~ amended qualification of Schlumberger Technologies, Inc.
in the State of Idaho

IN WITNESS WHEREOF, the said Schlumberger Technology Corporation
_____ has caused this consent to be executed by its Vice president
and attested under its corporate seal by its Assistant secretary, this 12 day of
May 19 88

Schlumberger Technology Corporation

By Edward G. Schell
Vice President

Attest:

J. A. MacFarlane
Assistant Secretary

(SEAL)