

TYCOM NETWORKS (US) INC.

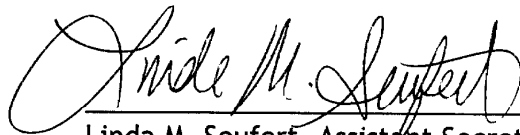
CERTIFICATE OF ASSISTANT SECRETARY

I, Linda M. Seufert, do hereby certify that I am the duly elected Assistant Secretary of TyCom Networks (US) Inc., a corporation organized and existing under the laws of the State of Nevada, U.S.A., (the "Company") and that attached hereto as Exhibit A is a true and correct list of the duly elected officers of the Company serving in the capacity set forth opposite their names on the date hereof.

I further certify that attached hereto as Exhibit B is a true and correct copy of the the By-Laws of the Company setting forth the authority of the duly elected officers of the Company and that said By-Laws have not been amended, modified or rescinded and remain in full force and effect on the date hereof.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of the Company this 27th day of August, 2001.

TYCOM NETWORKS (US) INC.



Linda M. Seufert, Assistant Secretary

[CORPORATE SEAL]



EXHIBIT A

TyCom Networks (US) Inc.

Officer List as of August 27, 2001

<u>Name</u>	<u>Title</u>
Neil Garvey	President
Ron Armstrong	Vice President
Claire Calandra	Vice President
John Conley	Vice President
Fred Hamilton	Vice President
William J. Jackson	Vice President
Robert Paski	Vice President
Peter Runge	Vice President
Scott Stevenson	Vice President and Assistant Treasurer
David Van Rossum	Vice President
Tom Lynch	Treasurer
MaryAnn Perrone	Secretary
Linda M. Seufert	Assistant Secretary