

October 4, 2000

Mr. Edward Roback  
NIST  
100 Bureau Drive, Stop 8930  
Gaithersburg, MD 20899-8930

Dear Mr. Roback:

This letter is to inform NIST of IBM's patent licensing practices as related to standardization activities. It is the belief of IBM that the IBM patent application listed in Attachment A is relevant to a mode of operation proposed by IBM for inclusion in Federal Information Processing Standards for Modes of Operation for Symmetric Key Block Ciphers.

In the event the proposed standard is adopted, and the standard can not be practiced without the use of the aforementioned patent, IBM agrees upon request to grant a non-exclusive license under this patent on a nondiscriminatory basis and on reasonable terms and conditions including its then current royalty rates and provided a similar grant under licensee's patents within the scope of the license granted to licensee is made available upon request to IBM. Should other IBM patents be required to implement this standard, they will be licensed under the same non-discriminatory, reasonable terms and conditions basis.

Any requests for license information may be directed to:

Frank Squillante  
Director of Licensing  
International Business Machines Corporation  
North Castle Drive  
Armonk, NY 10504

Internet ID: [fps@us.ibm.com](mailto:fps@us.ibm.com)  
Telephone: 914-765-4260  
Fax: 914-765-4360

IBM is pleased to make this offer in support of the standardization activities in NIST. If you have any questions, please let me know.

Sincerely,

Stephen M. Matyas, Jr.  
for IBM Corporation

**Attachment A: SUBJECT PATENT APPLICATIONS**

Charanjit Jutla, "Encryption schemes with almost free integrity awareness," docket number YOR920000194US1. Filed April 14, 2000.