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**EUROPEAN COMPUTER MANUFACTURERS ASSOCIATION**

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**STANDARD ECMA-120**

**DATA INTERCHANGE ON 12,7 mm  
18-TRACK MAGNETIC TAPE CARTRIDGES**

**3rd Edition - December 1993**

SONY Exhibit 1027  
SONY v. FUJI

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## Brief History

In 1985 ECMA decided to produce an ECMA Standard for a 12,7 mm, 18-Track Magnetic Tape Cartridge. Considerable work was invested in this project so that an urgently needed standard was developed rapidly and published in December 1986.

Upon request of ISO/TC97/SC11 this ECMA Standard has been contributed to ISO for further processing as draft International Standard DIS 9661 under the ISO fast-track procedure.

The requirements for magnetic properties were defined in the first edition of Standard ECMA-120 by means of new tests not requiring to relate the performance of the tape under test to that of a Master Standard Reference Tape. Extensive work in several laboratories, specially in the USA, had shown in the meantime that these new tests presented more difficulties than originally assessed and that much reliability and simplification could be achieved by reverting to the use of a Master Standard Reference Tape. Such a tape has been established at the National Institute for Standards and Technology (NIST) in Washington, as well as Secondary Standard Reference Tapes.

As a consequence of these developments ISO DIS 9661 was reviewed accordingly and the original tests for the magnetic properties were replaced by tests based on the Reference Tape. A small number of numeric values, in particular of the dimensions of the case, were also amended.

A 2nd Edition of Standard ECMA-120 was developed to make it technically identical with International Standard ISO 9661.

Standard ECMA-152 is an extension of Standard ECMA-120 and has been accepted under the fast-track procedure as ISO/IEC 11559. The contents of this International Standard as well as comments raised during the letter ballot of DIS 11559 have led to two Technical Corrigenda to ISO 9661 and some remaining comments. A new edition of ISO 9661 includes all these changes, is fully aligned with ISO/IEC 11559, and will be published as ISO/IEC 9661:1994. This 3rd Edition of Standard ECMA-120 is technically identical with International Standard ISO/IEC 9661:1994.

Adopted as the 3rd Edition of ECMA-120 by the General Assembly of December 1993.

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