

Standard ECMA-151

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ECMA

Standardizing Information and Communication Systems

Data Compression for Information Interchange - Adaptive Coding with Embedded Dictionary - DCLZ Algorithm

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Brief History

In the past decades ECMA have published numerous ECMA Standards for magnetic tapes, magnetic tape cassettes and cartridges, as well as for optical disk cartridges. Those media developed recently have a very high physical recording density. In order to make an optimal use of the resulting data capacity, compression algorithms have been designed which allow a reduction of the number of bits required for the representation of user data in coded form.

In future, these compression algorithms will be registered by an International Registration Authority to be set up by ISO/IEC. The registration will consist in allocating to each registered algorithm a numerical identifier which will be recorded on the medium and, thus, indicate which compression algorithm(s) has been used.

The present ECMA Standard is the first of a forthcoming series of ECMA Standards for compression algorithms. It has been contributed to ISO/IEC for adoption as an International Standard under the fast-track procedure.

This ECMA Standard has been adopted by the ECMA General Assembly of June 1991.

