

Standard ECMA-317

Data Interchange on 300 mm Optical Disk Cartridges of Type WORM (Write Once Read Many) Using Irreversible Effects - Capacity: 30 Gbytes per Cartridge

(December 2000)

This ECMA Standard specifies the characteristics of a 300 mm optical disk cartridge (ODC) of Type WORM (Write Once Read Many) using irreversible effects, with a capacity of 30 Gbytes. This WORM ODC's uses writing effects that are inherently irreversible. Written marks cannot be erased and attempted modifications of the written marks are detectable.

This ECMA Standard specifies:

- the conditions for conformance testing and the Reference Drive;
- the environments in which the cartridges are to be operated and stored;
- the mechanical, physical and dimensional characteristics of the cartridge, so as to provide mechanical interchange ability between data processing systems;
- the format of the information on the disk, both pre-written and user-written, including the physical disposition of the tracks and sectors, the error correction codes, the modulation methods used;
- the characteristics of the prerecorded information on the disk;

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- the recording characteristics of the disk, enabling processing systems to write data onto the disk;
- the minimum quality of user-written data on the disk, enabling data processing systems to read data from the disk.

This ECMA Standard provides for interchange between optical disk drives. Together with a standard for volume and file structure it provides for full data interchange between data processing systems..

The following files are provided in this set of CD-ROMs:

File name	Size (Bytes)	Content
ECMA-317.PDF	1 175 801	Acrobat PDF file
ECMA-317.PSC	6 895 026	Corresponding PostScript file

Printed copies of this Standard can be ordered, free of charge, from documents@ecma.ch.