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## Information technology — MPEG systems technologies —

### Part 11: Energy-efficient media consumption (green metadata)

*Technologies de l'information — Technologies des systèmes MPEG —  
Partie 11: Consommation des supports éconergétiques (métadonnées  
vertes)*



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## Introduction

This part of ISO/IEC 23001 specifies the metadata (Green Metadata) that facilitates reduction of energy usage during media consumption as follows:

- the format of the metadata that enables reduced decoder power consumption;
- the format of the metadata that enables reduced display power consumption;
- the format of the metadata that enables media selection for joint decoder and display power reduction;
- the format of the metadata that enables quality recovery after low-power encoding.

This metadata facilitates reduced energy usage during media consumption without any degradation in the Quality of Experience (QoE). However, it is also possible to use this metadata to get larger energy savings, but at the expense of some QoE degradation.