

PHILIPPINE NATIONAL STANDARD

PNS 2098-1:2013
ICS 33.160.25

**Audio video and related equipment – Energy
efficiency factor (EEF) and labeling requirements –
Part 1: Television set**



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Foreword

This Philippine National Standard on Audio video and related equipment – Energy efficiency factor (EEF) and labeling requirements – Part 1: Television set, was prepared by Technical Working Group for Television and endorsed to the Technical Committee on Audio, Video and Multimedia Systems and Equipment of the Bureau of Product Standards (BPS/TC 59) and was approved by the Bureau of Product Standards.

This standard has been developed in support of the Department of Energy through Philippine Energy Efficiency Project (PEEP)'s program of promoting energy efficiency and conservation as one of the strategies to achieve energy self-sufficiency, to contribute to the reduction of greenhouse gas emission and to guide consumers in determining which household appliance model is less costly to operate.

Energy efficiency factor and labeling requirements for television set will provide the consumers easy reference to the energy efficiency factor required for manufacturers, assemblers and importers.

**Audio video and related equipment – Energy efficiency factor (EEF) and labeling requirements –
Part 1: Television set**

1 Scope

This standard specifies the energy efficiency factor (EEF) and labeling for television set connected to mains.

2 References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies:

PNS 378:2000 – Television Receivers and Video Monitors – Viewing Screen Dimensions – Method of Measurement

PNS IEC 62087:2013 – Methods of measurement for the power consumption of audio, video and related equipment

PNS IEC 60065:2007 – Audio, Video and similar electronic apparatus – Safety requirements

IEC 62301 – Household Electrical Appliances – Measurement of Standby Power

3 Terms and definitions

For the purpose of this standard, the definitions and terms stated in PNS 378:2000, PNS IEC 62087:2013, PNS IEC 60065:2007 and IEC 62301 apply including the following:

3.1**energy efficiency factor (EEF)**

refers to the ratio of the viewing screen area in m² to total energy consumption in kWh

3.2**energy efficiency class**

refers to the number of stars displayed on the energy guide, which is based on the EEF

NOTE Energy efficiency class having more stars means higher efficiency.