

ViaSat, Inc.	Process Area: Quality	Document Number: PR000450	Revision: 002
Name of Document: WEEE Marking Guidelines		Process Category: Environmental Compliance	Page: 1 of 4

1 Purpose and Scope

Provide Marking Guidelines for the WEEE (Waste of Electrical and Electronic Equipment) Marking of Electrical and Electronic Assemblies designed by ViaSat, Inc.

2 Application

This applies to ViaSat, Inc. products that do not fall under the military, government or fixed site exemption as determined by the guidelines set forth in, Directive 2002/96/EC OF THE EUROPEAN PARLIAMENT (WEEE).

Product which has been determined to fall within the requirements of the WEEE directive shall have, within the product's Bill-of-Material and/or Purchase/Design specification, the documented WEEE labeling requirement. This may be specified by ViaSat label part number, reference drawing or reference to this specification for marking by a provider

Program Management or Design Engineering should contact the Compliance Manager if there is any question on product marking for WEEE compliance.

3 Marking Requirements

CENELEC EN50419 describes the official marking of electrical and electronic equipment in accordance with article 11(2) of Directive 2002/96/EC (WEEE).

In order to identify a) the producer and b) the equipment put on the market after 13 August 2005, the following markings shall be applied on the product:

A) A unique identification of the producer (ViaSat, Inc. brand name, trademark, company registration number or other suitable means to identify the ViaSat, Inc. product).

B) Put on the market after August 13 2005 shall be identified by either:

1. The date of the manufacture/put on the market with the crossed-out wheeled bin. The date shall be compliance with EN28601 requirement using the YYYY Gregorian calendar, MM, Use leading zero's for single digit months and days (ex. O6 = June, 11= November, DD = 01 to 31), "YYYY-MM-DD" format or other format approved by ViaSat, Inc. Engineering. [EXAMPLE: August 13, 2005 must be written as 2005-08-13]
2. A solid bar under the wheeled bin together with the crossed-out wheeled bin.
3. Both options (1&2) above can be used at the same time.

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4 Marking Design

1. Label Stock and Ribbon and Print shall be RoHS Complaint to European Union Directive 2002/95/EC
2. The marking shall be accessible, durable, legible and indelible
3. The solid bar used in conjunction with the Cross-out Wheeled Bin shall not contain any text or information of any kind. The dimensional relationships are defined in EN 50419:2005 Section 4.2 and Figure 1 shall be maintained. (EX. Figure 1)

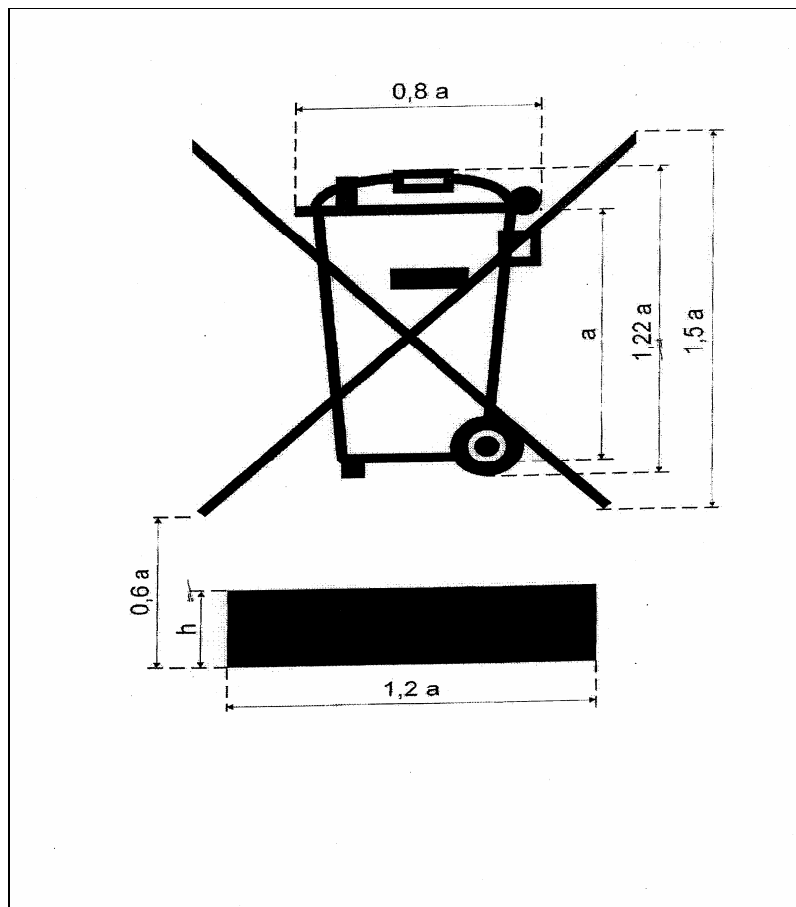


Figure 1

4. Modification of line thicknesses, rounding corners and matching lines are permitted provided the visual appearance is maintained
5. If marking standards or label specifications do not include marking durability requirements the following shall apply:
 - a. The durability requirements must pass the following checks and shall be legible, show no signs of curling and shall not easily remove marking.
 - i. Apply label to material product or similar material, soak a piece of cloth and rub by hand for 15 seconds, ensure no degradation to label or print. Dry label

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- ii. Next use appropriate health and safety protection and measures, Soak a cloth with petroleum spirits (see Note 1), rub sample by hand for 15 seconds.

Note 1- petroleum spirit used for the test is aliphatic solvent hexane having a maximum aromatics content of 0.1% by volume, a kaurf-butanol value of 29, an initial boiling point of approximately 65 degrees C, a dry point of approximately 69 degrees C and a specific mass of approximately 0.7 kg/liter.

5 Marking Location

1. Target Location- The marking shall be applied in an obvious location external to the equipment that shall be readily visible on the final assembly for disposal. Apply the marking near or within the vicinity of the ViaSat, Inc. part number, serial number or CE Mark are target locations. Other locations are acceptable with Design Engineering and Compliance Management approval.
2. If the size or other characteristics such as functionality of product determines that the marking can not be applied to the product, the marking shall be:
 - a. A flag with the marking applied to fixed power cord (if any), and
 - b. In the operating instructions and warranty certificates supplied with the product
 - c. If none of the above applies the marking shall be applied to the packaging.
 - d. The optional marking must comply with the marking ratio requirements and where applicable the Design Requirements stated above.
3. The WEEE marking identification can be incorporated into the part number label, CE label or other product labels provided the dimensional relationships in Figure 1 are maintained. It is advantageous to reduce the number of individual labels on the product by consolidating markings into the same label where applicable.
4. A stand alone WEEE label is also acceptable such as ViaSat, Inc. Part Number 1038396. Other sizes of labels maybe approved for use as deemed necessary.

6 References

Documents

- EN50419:2005, CENELEC WEEE Marking Standard, MARKING OF ELECTRICAL AND ELECTRONIC EQUIPMENT IN ACCORDANCE WITH ARTICLE 11(2) OF DIRECTIVE 2002/96/ec (WEEE)
- EN28601:1992 SPECIFICATION FOR REPRESENTATION OF DATES AND TIMES IN INFORMATION INTERCHANGE
- Directive 2002/96/EC OF THE EUROPEAN PARLIAMENT OF 27 JANUARY 2003 ON WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT
- Directive 2002/95/EC OF THE EUROPEAN PARLIAMENT, OF 27 JANUARY 2003 RESTRICTION ON THE USE OF CERTAIN HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT
- COUNCIL DIRECTIVE of 15 July 1975 on waste (75/442/EEC) THE COUNCIL OF THE EUROPEAN COMMUNITIES

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Definitions

- WEEE- Waste Electrical and Electronic Equipment means electrical or electronic equipment which is waste within the meaning of Article 1(a) of Directive 75/442/EEC including components, subassemblies or consumables which are part of the product at the time of discarding.
- EEE- Electrical and Electronic Equipment means Equipment which is dependent on electric currents or electromagnetic field in order to work properly and equipment for generation, measurement, transfer of such currents and fields falling into under categories set out in Annex 1A of Directive 2002/96/EC
- Put on the Market- means any product introduced into the European Market after August 13, 2005.
- Producer-any person who regardless of selling technique used,
 1. manufactures and sells EEE under their own brand name
 2. resells under their own brand equipment produced by other suppliers, a reseller not being regarded as the “producer” if the brand of the producer appears on the equipment
 3. Imports or exports EEE on a professional basis into a Member State
 4. Whoever exclusively provides financing under or pursuant to any finance agreement shall not be deemed a “producer” unless they also act as a producer within the meaning of sub-points 1-3 above.

Note: Reference Directive 2002/96/EC for more detailed definitions