

## **The Swedish wood packaging programme. Attachment 1**

Please note that this is a courtesy translation. Only the Swedish version of the Regulations is legally applicable.

### **Code of Regulations of the Swedish Board of Agriculture**

#### **The Swedish Regulations (SJVFS 2004:53) on heat treatment, kiln drying and marking of sawn wood, wood packaging material etc.;**

established on 1 July 2004.

The Swedish Board of Agriculture lays down the following rules, by virtue of Articles 4, 6, 10 and 25 of Ordinance (1995:681) on plant protection etc.;

#### **General rules**

##### *Article 1*

The rules in these regulations apply to heat treatment and marking of sawn wood or other wood products. Pests are killed through heat treatment. The rules also concern production or repair as well as marking of treated wood packaging material or other treated wood products.

The rules for wood packaging material are adapted to ISPM 15 “Guidelines for regulating wood packaging material in international trade”, which is an international standard for phytosanitary measures laid down by the United Nations’ Food and Agricultural Organisation (FAO). Companies approved in accordance with the rules in these regulations may as a phytosanitary declaration mark wood packaging material in accordance with the specific rules in these regulations.

##### *Article 2*

Wood treated and marked in accordance with the rules in these regulations shall be considered free from insects and nematodes.

#### **Definitions**

##### *Article 3*

When applying these regulations the following definitions shall be used:

*Moisture content:* The ratio between the weight of the water and the dry weight, expressed in percent.

*ISPM:* International Standards for Phytosanitary Measures. The FAO’s international standards for phytosanitary measures.

*Average moisture content:* The mean value for moisture content, see above.

*Phytosanitary declaration:* Marking in accordance with Annex 2. The phytosanitary declaration affirms that the products have been treated in accordance with these regulations, and that insects and nematodes have been killed in a heat treatment process. However, the phytosanitary declaration does not replace the phytosanitary certificate, which may be required by the recipient country as regards exports to countries outside the European Union.

*Sawn wood products:* beams, boards, battens, planks, studs, strips and spars.

*Drying facility:* progressive kilns, compartment kilns or other facilities for drying sawn wood products.

*Trend curves:* Diagrams from the drying process that show the actual temperature and moisture content during the drying process.

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*Wood packaging material:* As in the corresponding definition in the FAO standards for phytosanitary measures No 15 (ISPM 15). Wood and wood products (except paper products) used to support, protect or transporting products. This also includes dunnage.

*Heat treatment of wood:* Heat treatment in accordance with Annex 1. Heat treatment can be carried out either in connection with kiln drying or as a heat treatment process only.

## **Application**

### *Article 4*

The approval of companies may concern facilities for treating sawn wood products or for production or repair of treated wood packaging material etc. The application shall be sent to the Plant Protection Service at the Swedish Board of Agriculture. The application shall state the name of a contact person responsible for having the Board's decision carried out within the company. If the contact person is replaced the Board of Agriculture shall be immediately notified. The same applies if the company changes its activities or is closed down.

## **Heat treatment facilities of sawn wood products, wood packaging material etc.**

*Conditions for approving facilities for heat treatment of sawn wood products, wood packaging material etc.*

### *Article 5*

The following conditions apply for approval of facilities for heat treatment of sawn wood products, wood packaging material etc.:

1. A technical investigation of the establishment must prove that the conditions are such that the temperature may reach at least 56° C for at least 30 minutes in the core of the treated wood for wood sizes comprised by the application for approval.  
For approval of kiln drying facilities for sawn wood products, the technical investigation must also prove that the average moisture content in the treated wood does not exceed 20 %.
2. Every six months, the facility's temperature gauges must be calibrated and the calibration documented. As regards kiln drying facilities, calibration must be performed as regards the moisture meter once every six months.
3. The company must have a system that ascertains that wood products to be marked have been heat treated in accordance with the rules in these regulations, and that they are well separated from other wood products that do not meet the marking requirements.
4. Staff responsible for maintaining the facilities must have sufficient knowledge of heat treatment of wood in accordance with these regulations.

### *Documentation*

#### *Article 6*

The company must continuously document all treatment and marking that is taking place in accordance with the rules in these regulations.

The following documentation must be kept:

1. schedules for heat treatment and kiln drying,

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2. protocols from heat treatment and kiln drying, containing trend curves and statements of moisture content,
3. documentation that shows that the temperature gauges as well as the moisture meter for the kiln drying facility have been calibrated, and
4. documentation that shows the number of packages that have been treated.

The documentation shall be kept for at least two years and be readily available in case of control.

### *Marking*

#### *Article 7*

Marking in accordance with Annex 2 may only be carried out

1. by companies that are approved in accordance with these regulations
2. of wood products that have been heat treated at a temperature of at least 56° C in the core of the wood for at least 30 minutes in an approved facility and in accordance with one of the methods described in Annex 1.

### *Inspection of facilities*

#### *Article 8*

Inspection of facilities for heat treatment of sawn wood products, wood packaging material etc. will be carried out by the Swedish Board of Agriculture. These inspections will examine whether the requirements in Articles 5-7 are met.

### **Companies that produce or repair treated wood packaging material**

#### *Conditions for approving companies that produce or repair treated wood packaging material*

#### *Article 9*

When producing treated wood packaging material the company must have a system that ascertains that:

1. wood packaging material that are to be marked in accordance with these regulations are completely made up of debarked wood that has been heat treated in accordance with Annex 1 and marked in accordance with Annex 2, by a company that has been approved by the Swedish Board of Agriculture in accordance with Article 5, or consist of wood that has been debarked, heat treated and marked in accordance with an official system for approval in another country, on condition that the rules in that system are in compliance with the FAO International standards for phytosanitary measures No 15, ISPM 15, and
2. wood that is to be marked is kept well separated from other wood that does not meet the requirements for marking.

#### *Article 10*

When repairing used, approved wood packaging material the company must have a system that ascertains that

1. the wood packaging material to be repaired and marked in accordance with these regulations is approved and marked in accordance with Annex 2, or approved and marked in accordance with another official system that is in compliance with the FAO International standards for phytosanitary measures No 15, ISPM 15,

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2. the repair is carried out with parts that have been treated and marked by a company that the Swedish Board of Agriculture has approved in accordance with Article 5, or is carried out with wood that has been debarked, heat treated and marked in accordance with an official system for approval in another country, on condition that the rules in that system are in compliance with the FAO International standards for phytosanitary measures No 15, ISPM 15,
3. the parts are marked in accordance with section B in Annex 2, and
4. wood that is to be marked is kept well separated from other wood that does not meet the requirements for marking.

### *Documentation*

#### *Article 11*

The company shall continuously document the production, repair and marking that is taking place in accordance with the rules in these regulations.

The company shall during the inspection be able to present documentation showing that all wood in the approved production originates in an establishment for wood treatment in accordance with Article 5, 9 (1) or 10 (2-3).

The documentation shall be kept for at least two years and be readily available during an inspection.

### *Marking*

#### *Article 12*

Marking in accordance with section B in Annex 2 may only be carried out

1. by a company that has been approved in accordance with these regulations,
2. of wood packaging material that meets the requirements in Article 9 and as regards repair in Article 10, and

### *Inspection*

#### *Article 13*

Inspection of companies that produce wood packaging products is carried out by the Swedish Board of Agriculture. These inspections shall examine whether the requirements in Articles 9-12 are met.

## **Treating and marking older wood packaging material**

#### *Article 14*

Used wood packaging material with marking that is of an older date or incomplete or that lacks marking, may be marked on condition that

1. the whole wood packaging material has been heat treated in accordance with Annex 1,
2. marking is carried out in accordance with section B in Annex 2,
3. old marking is removed, in case its placement may lead to misinterpretation of the new marking,
4. documentation is carried out in accordance with Article 6 and as regards replaced parts in accordance with Article 11, and

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5. treating and marking is carried out by a company that has been approved by the Swedish Board of Agriculture in accordance with Article 5 and, when relevant, approved in accordance with Articles 9-10.

### **Other treated wood products**

#### *Article 15*

Production of other wood products than sawn wood products and wood packaging material may be marked on condition that

1. heat treatment has been carried out by an approved company in accordance with Article 5, or
2. only approved wood has been used in the production in a way that corresponds to what applies to wood packaging material in accordance with Articles 9-10, and
3. marking is carried out in accordance with section A in Annex 2 by the approved company that has heat treated the product or by the approved company that has produced the product from treated wood material.

### **Withdrawal of approval**

#### *Article 16*

The Swedish Board of Agriculture may withdraw its approval if the company approved for heat treatment of sawn wood products or for production or reparation of treated wood packaging material etc. does not meet the requirements. The company may then not use the markings indicated in Annex 2.

If deviations are discovered at the facility or in the treatment process, the Swedish Board of Agriculture shall inform the contact person of the company in writing.

If marking has been carried out contrary to these regulations, the approval may be immediately withdrawn. The company may then not use the markings indicated in Annex 2.

If the deviations are minor, the Board of Agriculture may decide that measures shall be taken within a certain period of time. If this is not done within the specified time, the Board of Agriculture may withdraw the approval and then the company may not use the markings indicated in Annex 2.

Establishments that heat treat wood and have had their approvals withdrawn must pass a new technical inspection in accordance with Article 5 (1) before the establishment anew may be approved.

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## **Exemption**

### *Article 17*

The Swedish Board of Agriculture may grant exemption from these rules, on condition that the exemption does not lead to increased risk for the spread of dangerous pests.

These regulations enter into force on 1 August 2004, when the Board's regulations (SJVFS 1997:65) on voluntary approval of drying facilities for the issuance of phytosanitary declaration will expire.

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## **Annex 1**

### **Approved methods for treatment of wood products and wood packaging material**

#### **Methods for heat treatment (HT)**

##### *Heat treatment in connection with drying, KD 56° C/30 min*

Treatment takes place in a drying facility. In connection with the drying, the wood shall be heated to at least 56° C in the core of the wood for at least 30 minutes or in accordance with a special schedule for time and temperature. After the kiln drying the wood must not have an average moisture content exceeding 20 %. Dried wood that meets these requirements regarding temperature, time and moisture may be marked with KD 56° C/30 min (KD – kiln drying).

##### *Heat treatment without drying (HT)*

The Swedish Board of Agriculture may also approve establishments for heat treatment without drying. The wood shall be heated to at least 56° C in the core of the wood for at least 30 minutes in accordance with a special schedule for time and temperature without special requirements as regards moisture content in the treated wood.

## Annex 2

### Marking of approved sawn wood products and approved wood packaging material

#### A. Marking of approved sawn wood products etc.

1. *Marking allowed after heat treatment in connection with kiln drying.*

*KD 56° C/30 min*



**SE-yyxxxx**

#### Key

**KD 56° C/30 min:** Drying has been carried out in accordance with a drying schedule that ascertains that the core of the wood reaches a temperature of at least 56° C for at least 30 minutes and that the treated wood has an average moisture content of no more than 20 % (KD – kiln drying).

**SE-yyxxxx:** The official registration number of the company at the Swedish Board of Agriculture.

**SE** is the ISO code for Sweden

**yy** is the letter designating the county

**xxxx** is a number with at most four digits specific for the company

Sawn wood products destined for production of wood packaging material may be marked in accordance with section B in this Annex.

2. *After heat treatment without drying, for production of wood packaging material*

Sawn wood products that are heat treated without drying and intended for the production of wood packaging material, shall be marked as heat treated wood packaging material in accordance with section B1 in this Annex.

#### *Marking of sawn wood products in accordance with section A1 and A2*

Marking of sawn wood products in accordance with section A1 and A2 shall be

1. placed clearly visible on the cover, the package or the package specification,
2. weatherproof,
3. permanent and not transferable,
4. clear and
5. not contain the colours red and orange, since these colours are reserved for dangerous goods.

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Transitional rules for marking of approved, sawn wood products that have been heat treated in connection with kiln drying.

During a period of transition, which must not extend beyond 31 December 2004, marking may be carried out with the mark below, accompanied by the company name.

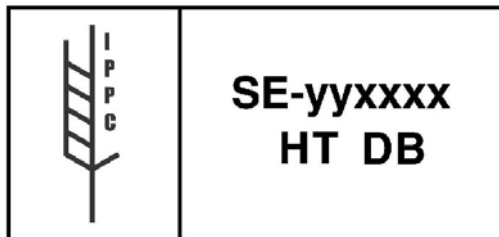


+ company name

## B. Marking of approved wood packaging material

Approved wood packaging material shall be marked in accordance with one of the alternatives below, which are in compliance with the requirements in the FAO international standards No 15 (ISPM 15). This marking may also be used for sawn wood products, on condition that these are to be used in production of wood packaging material.

*1. Marking that may be used for all wood packaging material that has been heat treated and approved in accordance with these regulations*



### Key

**SE-yyxxxx:** The official registration number of the company at the Swedish Board of Agriculture.

**SE** is the ISO code for Sweden

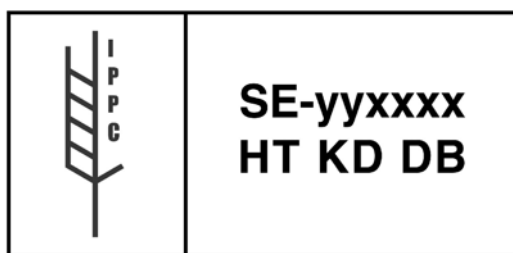
**yy** is the letter designating the county

**xxxx** is a number with at most four digits specific for the company

**HT** is heat treatment with a temperature of at least 56° C for at least 30 minutes

**DB** is debarking

*2. Marking only allowed for wood packaging material that has been heat treated in connection with kiln drying, KD 56° C/30 min, and approved in accordance with these regulations*



### Key

**KD** (kiln drying) is a voluntary complement to HT. KD means that the heat treatment has been carried out in a drying facility and that the wood has a maximum average moisture content of 20 %.

*Marking of wood packaging in accordance with section B1 and B2*

Marking of wood packaging in accordance with section B1 and B2 shall be

1. placed in a visible location, preferably on at least two opposite sides of the approved article,

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2. permanent and not transferable,

3. clear and legible and

4. the marking shall not contain the colours red and orange, since these colours are reserved for dangerous goods.

The marking may differ from B1 and B2 according to the application of the different elements of the marking when the sizes of the wood pieces intended for marking are so small that the requirement for clear and legible marking will not be met. In such cases the letter-digit-codes may be placed in one line, the ISPM 15 logo may be tilted and the frame may be left out.