

Appendices

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Appendices

3.1 Form for first assessment on acute forest damage

In case of emergency send to

District/Region: _____

Typ of damage: Storm, Fire Avalanche, Earthquake, Snowbreak, Floodflow

other: _____

Date of damage: _____

Date of report: _____

Reported by: _____

No.	Damage in % of standing volume	Damaged area (ha)	Damaged Broadleave	Volume m3 Conifer	Expected assortment	public/private
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
sum						

Remarks: _____

3.II Form for detailed survey on acute forest damage

Compartment No:
 Date of survey.
 Prepared by:

Damage characteristics:

Type of damage:

- Fire • Storm • Snow • Mudflow
- Avalanche • Earthquake • Flood • Other:

Position of trees:

- Normal (standing)
- Fallen, unidirectional • Direction: (use arrows)
- Fallen, crossed

Connection between soil and roots:

- strong (normal) • Medium • Weak
- The area is. • passable • impassable
- The roads are: • passable • impassable

Territorial extent of damage within the compartment: %
 Intensity of damage (proportion of trees affected): %

Importance of sanitary action. • High • Medium • Low

Compartment characteristics:

Area: ha Age of the stand: years or uneven aged
 Estimated volume of damaged trees: m³/ha

Tree-spec.	Damage in % of standing volume	Mean heigt	Mean BH of damaged trees	No./ha	Volume *
Total	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXXXXX		

* to be calculated

Remarks: _____

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5.1 Modell course programm for advanced chain saw techniques

Syllabus for "Model course programme for advanced chain saw techniques".
(Forestry Training Council, Forestry Commission, United Kingdom)

1. Protective clothing
2. Safety regulations
3. Kinetic - principles
4. Machine components, functions and controls
5. Factors affecting choice of felling direction
6. Identification of potential hazards
7. Felling techniques and safety standards
8. Procedures for tractor assisted take down and felling
9. Break down of hardwood crowns - use of winch to secure the crown
10. Identification of tension wood - sequence of severing cuts
12. Operation and maintenance of hand winches -
anchor root plates and tensioned butts
13. Felling of broken trees

5.II Form for identification of training needs

1. Training status of

Forest workers

Manual work

Number of workers experienced or trained in salvaging op. No
Number of worker need up-dating training in salvaging op. No
Number of worker without experience or basic training No

Machine operators

Number of machine operators experienced or trained in salvaging op. No
Number of machine operators need up-dating training in salvaging op. No
Number of machine operators without experience or basic training No

Work leaders

Number of work leaders having training No
Number of work leader who should have training No

2. Training need for (Ideal number of participants is six per course)

Forest workers

Manual work

Number of courses needed for basic training (No/6) No
Length of basic training days
Total course-time required for basic-training days
Number of courses needed for up-dating training per year No
Length of up-dating training days
Total course-time required for up-dating training days

Machine operators

Number of courses needed for basic training No
Length of basic training days
Total course-time required for basic-training days
Number of courses needed for up-dating training per year No
Length of up-dating training days
Total course-time required for up-dating training days

Work leaders

Number of courses needed for leaders training No
Length of training days
Total training time required days

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5.III Example of contents of a worksite first aid box

A Guidance card:"emergency care before medical care is available".

B Individually wrapped

20 waterproof sterile adhesive dressings

12 sterile dressings, 5 cm x 5 cm

6 sterile dressings, 7.5 cm x 7.5 cm

1 gauze band measuring 2 m x 5 cm

1 gauze band measuring 2 m x 7 cm

2 sterile eye-pads

1 eye bath

C Non-individually wrapped

1 waterproof adhesive plaster 50 mm wide reels

6 stainless steel safety pins

1 pair stainless steel scissors

1 pair tweezers

1 eye bath

A stretcher with two blankets may be recommended on large work sites

5.IV Syllabus for training in first aid

A one day course:

- 1 Breathing - emergency resuscitation;
- 2 Wounds and bleeding - Dressing and bandages;
- 3 Fractures - immobilisation - use of splints and slings;
- 4 Dislocation, sprains and strains;
- 5 Treatment of chocks;
- 6 Handling and transport of injured persons;
- 7 Treatment of unconscious person.

B four days course:

(course content in addition to above)

- 8 Control of bleeding;
- 9 Dressing and immobilisation of injured parts;
- 10 Content of first aid boxes and their use;
- 11 Simple record keeping;
- 12 Personal hygiene in dealing with wounds;
- 13 Communication and delegation in an emergency.

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5.V Information when calling for medical help

Information to be given, when medical help is requested:

Who is calling:	ex.Philip Oak, Work team 11
Who is injured:	ex.Roy Elm, Work team 11
Type of accident:	ex.Slipped on log
Time for accident:	ex.Hour 10 Minute 45
Type of injury:	ex.Broken leg and uncounsciousness
Severity of injury:	ex.Lower shin fractured, still uncounscious
Type of first aid given:	ex.Kept warm, inhouse, in resting position
Medical care needed:	ex.Hospital care
Location of victim or meeting place to pick him up:	ex. Pineforest road, compartment 123, rest cabin
Means of transportation required for further transport:	ex. Ambulance

5.VI Emergency telephone numbers

A list of emergency telephone numbers should be available at the headquarters and workplace.

Note, some countries have telephone numbers of emergency centres to be used in the first instance!

WHOM?	WHERE?	TELEPHONE?
Regional emergency centre		
Ambulance
Local hospital
Regional hospital
Police
Private physicians
Air services

If logging operations are carried out in areas with poor road conditions, preparations for assistance by other means of transportation shall be made, e.g. helicopter.

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5.VII Checklist on recruitment of men and procurement of machines

Information to be provided by national authorities on "Recruitment of men and procurement of machines"

In the event of emergency it is important to have readily available information on the following questions:

- ◆ **Manpower** Residence and work permit
(differences within a country between states have to be considered)
Visa
- ◆ **Finance** Taxation of individuals (income as salary and daily allowance) and companies.
V.A.T. on services carried out
V.A.T. on imported goods (machinery, spare parts, etc)
Traffic taxations on vehicles (cars, forestry machines)
- ◆ **Social welfare** Insurances on accidents, health, pension and unemployment
What do the employer and/or the employee have to pay
- ◆ **Industry/trade** Company registration
Legal aspects (liability insurance)
- ◆ **Custom** Customs fees on imported goods
Temporary exemption from V.A.T.
- ◆ **Traffic** Traffic rules for vehicles with or without foreign licence plates (skidders, forwarders, processors, harvesters)
Traffic rules for trailers (large transports)
- ◆ **NOTE:** Necessity for considering:
 - OECD taxation standard
 - Bilateral agreements on taxation
 - Bilateral agreements on social welfare

Source:

L. Strömquist, 1988, Checklist and guidelines for the employment of forest workers and machines, **The proceedings of the FAO/ECE/ILO Seminar on the employment of contractors in forest work**, Paris, Ministère de l'Agriculture et de la Forêt, 1988

6.1 Model contract

Mr. _____ CONTRACT NO _____
Address: _____
Telephone: _____

As proprietor of the cutting area: _____
Or manager for the forest ownership group: _____
Other (specify): _____

SELLS THE FOLLOWING UNPREPARED WOOD, BY UNIT OF PRODUCT:

- ◆ Locality:
- ◆ Cadastral references:
- ◆ Boundaries:
- ◆ Approximat area:
- ◆ Species concerned (specify):
- ◆ Cross-cutting requirements for commercial wood (specify by species):
- ◆ Cross-cutting requirements for pulpwood (specify by species):
- ◆ Cross-cutting requirements for fuel-wood (species concerned):
- ◆ Locations of primary processing-storage sites:

To Mr. _____ Address: _____
Telephone: _____

Harvesting contractor: _____
Other (specify): _____

- ◆ The present contract shall be executed from (date): _____
- ◆ It shall expire with the full completion of the felling and clearance,
not later than: _____
- ◆Penaly for delay in clearance: YES _____ NO _____
- ◆ If YES, define: _____

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The purchaser, Mr. _____ undertakes all measures necessary to ensure compliance by the fellers and skidding operators with the operating conditions specified and counter-signed on page x of the present contract.

In the event that an enjoinder of performance communicated by a registered letter subject to acknowledgement of receipt produces no result within a period of 10 days, termination of the present contract by the seller for reasons such as non-performance, desertion of the site or non-compliance with provisions of the contract, shall become effective automatically and without any legal formality. In this event, the seller shall be able to conclude a contract with another purchaser, and the sums already paid by the purchaser shall be retained as contractual damages.

In the event of non-performance of the seller's obligations, termination of the contract by the purchaser shall take effect automatically, without any legal formality, following communication by registered letter subject to acknowledgement of receipt of an enjoinder of performance that produces no result within a period of 10 days.

The seller shall place at the purchaser's disposal the processing and storage areas necessary for the harvesting.

The terms of sale (prices, acceptance of loads, terms of payment) shall be those set out overleaf.

The price terms (per unit of product) for unprepared wood from the windblow area are as follows:

Species	LOGS		PULPWOOD	
	Diameter (over bark)	Pre-tax price/m3 (over or under bark) (1)	Diameter and length	Pre-tax price/ster; Pre-tax price/tonne

The seller is liable for VAT: _____ No _____ Rate: 5.5%

Purchaser's bank references: _____

Time-limit for payment following roadside acceptance of following shipment of the timber (specify number of days) (1): _____

Method of payment (bank cheque, bill of exchange bank bill) (1): _____

An invoice will be made out by the seller

- ◆ after uplifting of each truckload (1)
- ◆ after roadside reception (1)

The penalty for late payment shall be 1% per month.

The volumes uplifted and invoiced shall be those recorded by the seller or his agent (see clause 11 below). For each load uplifted, the seller and purchaser must be informed of:

- ◆ The date of uplifting by road
- ◆ The name of the carrier
- ◆ The registration number of the truck
- ◆ The destination
- ◆ The species concerned
- ◆ The type of wood (saw or peeler logs, pulpwood, logs or steres) (2)
- ◆ List of identification plate numbers
- ◆ Individual volume of the log corresponding to each identification plate
- ◆ Volume per outgoing truck (m3, steres, tonnes)

Signature of the seller

Signature of the purchaser,
with manuscript annotation
"Read and approved"

Done in two copies

At: _____

Date: _____

(1) Delete as appropriate

(2) In the case of wood sold by stere or tonnes, specify the number of steres or the tonnage

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- Clause 1: Logs shall be professionally cut so as to avoid shattering the butt logs of uprooted trees when separating them from the stump. Consequently, the purchaser shall ensure that fellers having to cut stumps with a base diameter in excess of 40 cm all use 8-10 hp chain saws equipped with a guide 60 cm or more long and begin the severing of butt logs by making a slot extending to the heat and cutting as far down into the wood as possible even if it is in the ground, on either side of the stump. The upper part of the stump shall only be cut at the last moment before the stump settles back into its hole. The feller shall ensure that roots below the butt log are perfectly cut so as to avoid tearing during skidding.
- Clause 2: The purchaser shall ensure that stumps which have had to be cut too high are immediately cut back to ground level.
- Clause 3: The trees that are harvested shall all be lopped beyond the merchantable point of the stem to 8 cm top diameter or less, as the case may be. To this end, the purchasers shall ensure that the feller has the assistance of a skidding tractor whenever that is necessary, prolonged absence of the skidding tractor entailing the halting of work by the fellers.
- Clause 4: All the above-mentioned wood shall be skidded at its full length down to 8 cm top diameter to the roadside processing-storage area.
- Clause 5: The products - standing broken trees included - shall be processed and skidded in the order in which they turn up.
- Clause 6: The cutting to merchantable length, the estimation of commercial volume and attachment of identification plate to logs shall be carried out at the roadside with the assistance of the seller or his agent. Should a purchaser of hardwood insist on accepting it at the felling site, cutting to length shall still take place at the roadside, following skidding at full length.
- Clause 7: Primary processing of top logs to the requirements of purchasers of pulpwood shall be carried out at the roadside (buffer stocks be processed when skidding in the forest becomes too difficult).
- Clause 8: Hardwood tops intended for fuel-wood shall be processed at the felling site by the purchasers and the wood shall be skidded when the condition of the ground permits.

- Clause 9: Wood shall not be skidded over ground that is too soft; should skidding be halted, the time-limit for completion of operations shall be extended.
- Clause 10: The seller shall make available to the purchaser one or more processing-storage areas of sufficient size and accessible to trucks.
- Clause 11: Each time a log truck departs, the seller or his agent shall note the number of the plate on each log and shall have in his possession the original or a copy of the register of merchantable volume of commercial wood. He shall also note the number of steres uplifted on the departure of each truck carrying pulpwood.
- Clause 12: On any given property, the purchaser shall not, without the seller's signed consent, commence working in any new compartment until he has finished the skidding and felling in the preceding compartment.
- Clause 13: When there is a risk of a period of wet weather, operations shall begin on the areas of windblow in which the ground is still sound but which are liable to become inaccessible in the months ahead. The soundest areas shall be kept for the most difficult periods.

Signature of the seller

Signature of the purchaser,
with manuscript annotation
"Read and approved"

Done in two copies

At: _____

Date: _____