# INTERNATIONAL STANDARD

**ISO**

**15078**

First edition
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# Machinery for forestry — Log loaders — Location and method of operation of two-lever operator controls

*Machines forestières — Chargeuses de grumes — Emplacements et méthode de fonctionnement des doubles commandes*

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 15078 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 14, *Operator controls, operator symbols and other displays, operator manuals*.

This first edition of ISO 15078 cancels and replaces ISO 3789-4:1989, of which it constitutes a technical revision.

# Machinery for forestry – Log loaders – Location and method of operation of two-lever operator controls

## 1 Scope

This International Standard specifies the operational pattern for log loader controls. Two alternative two-lever systems are specified.

This International Standard applies to two-lever control systems for grapple-type log loaders used in mobile and self-propelled specially designed forestry machines as described in ISO 6814.

## 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 3767-4:1993, *Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Symbols for operator controls and other displays — Part 4: Symbols for forestry machinery*.

ISO 6814:1983, *Machinery for forestry — Mobile and self-propelled machinery — Identification vocabulary*.

ISO 15077:—[1], *Tractors and self-propelled machinery for agriculture and forestry — Operator controls — Actuating forces, displacement, location and method of operation*.

## 3 Control operational pattern

The operational patterns of log loader controls in a two-lever system shall be as shown in either figure 1 or figure 2. The controls shall follow the principles of ISO 15077 and the symbols from ISO 3767-4.

Two alternative systems are specified. Both systems have equal status in the world. Figure 1 presents "System A" and figure 2 "System B".

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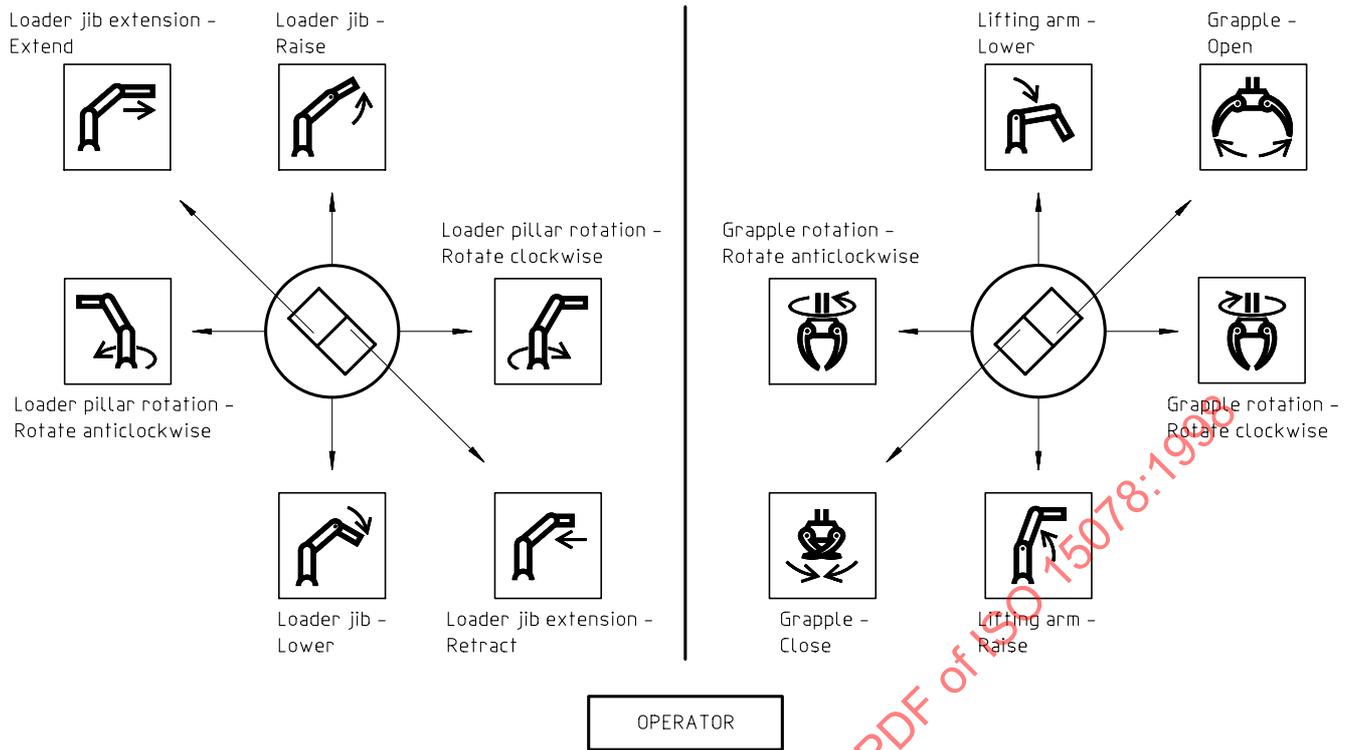1) To be published. (Revision of ISO 3789-1:1982, ISO 3789-2:1982 and ISO/TR 3778:1987)

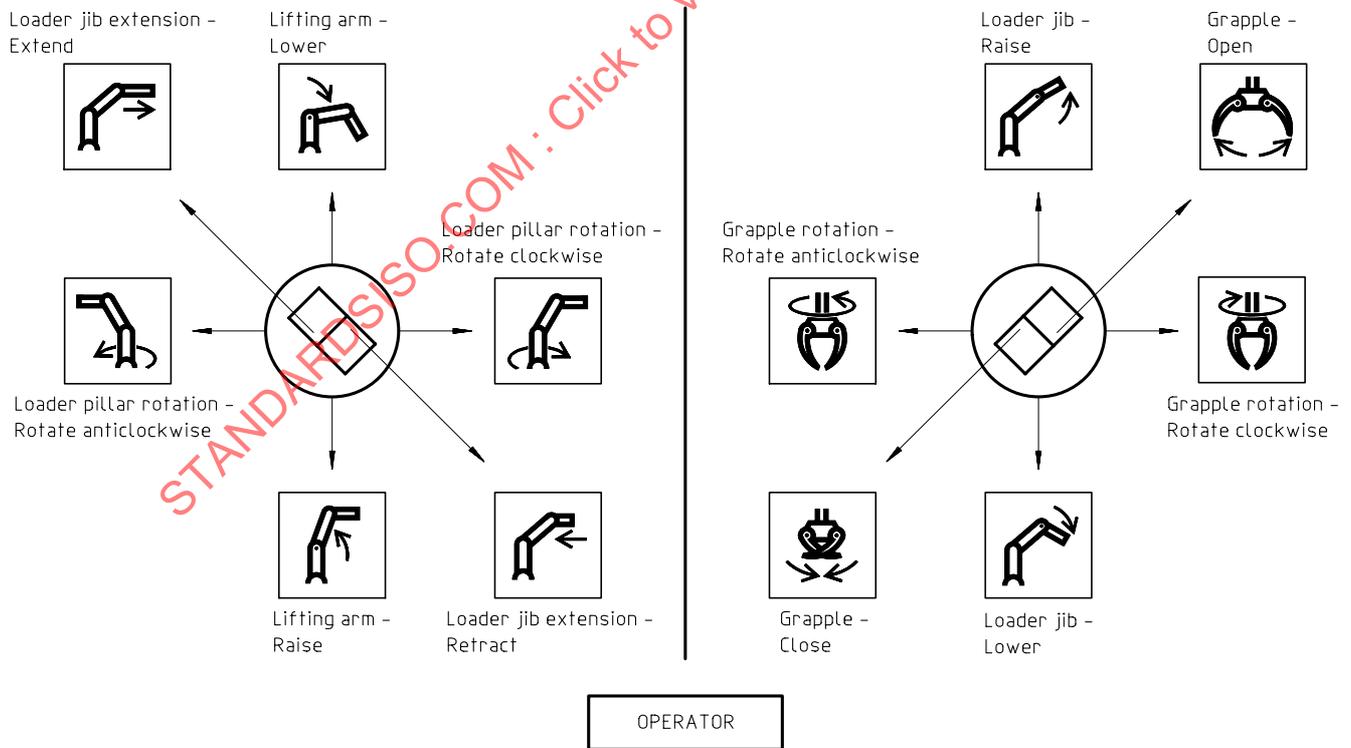**Figure 1 — Log loader controls, two-lever system operational pattern — System A**



**Figure 2 — Log loader controls, two-lever system operational pattern — System B**