

# INTERNATIONAL STANDARD

# ISO 3789-4

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## Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Location and method of operation of operator controls —

### Part 4 : Controls for forestry log loaders

*Tracteurs, matériels agricoles et forestiers, matériel à moteur pour jardins et pelouses — Emplacement et mode de fonctionnement des commandes de l'opérateur —*

*Partie 4 : Commandes pour chargeurs de grumes forestiers*



Reference number  
ISO 3789-4 : 1989 (E)

## 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 approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 3789-4 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*.

ISO 3789 consists of the following parts, under the general title *Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Location and method of operation of operator controls*:

— *Part 1: Common controls*

*Part 2: Controls for agricultural tractors and machines*

*Part 3: Controls for powered lawn and garden equipment*

*Part 4: Controls for forestry log loaders*

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# Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Location and method of operation of operator controls —

## Part 4 : Controls for forestry log loaders

### 1 Scope

This part of ISO 3789 forms one of a series covering location and method of operation of operator controls for tractors and machinery for agriculture and forestry, powered lawn and garden equipment, the series currently consisting of the parts listed in the Foreword.

This part of ISO 3789 specifies the operational pattern for log loader controls. Two alternative two-lever systems are specified : see clause 3.

It 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 part of ISO 3789. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 3789 are encouraged to investigate the possibility of applying the most recent editions of the standards listed below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 3767-4 : —<sup>1)</sup>, *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 3789-1 : 1982, *Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Location and method of operation of operator controls — Part 1 : Common controls.*

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

### 3 Control operational pattern

The operational pattern of log loader controls in a two-lever system shall be as shown in either figure 1 or figure 2. The controls follow the principles of ISO 3789-1 and the symbols are from ISO 3767-4.

Two alternative systems are specified. Both systems have equal status in the world and will be in use worldwide for the reasonably foreseeable future. Figure 1 presents "System A" and figure 2, "System B".

1) To be published.

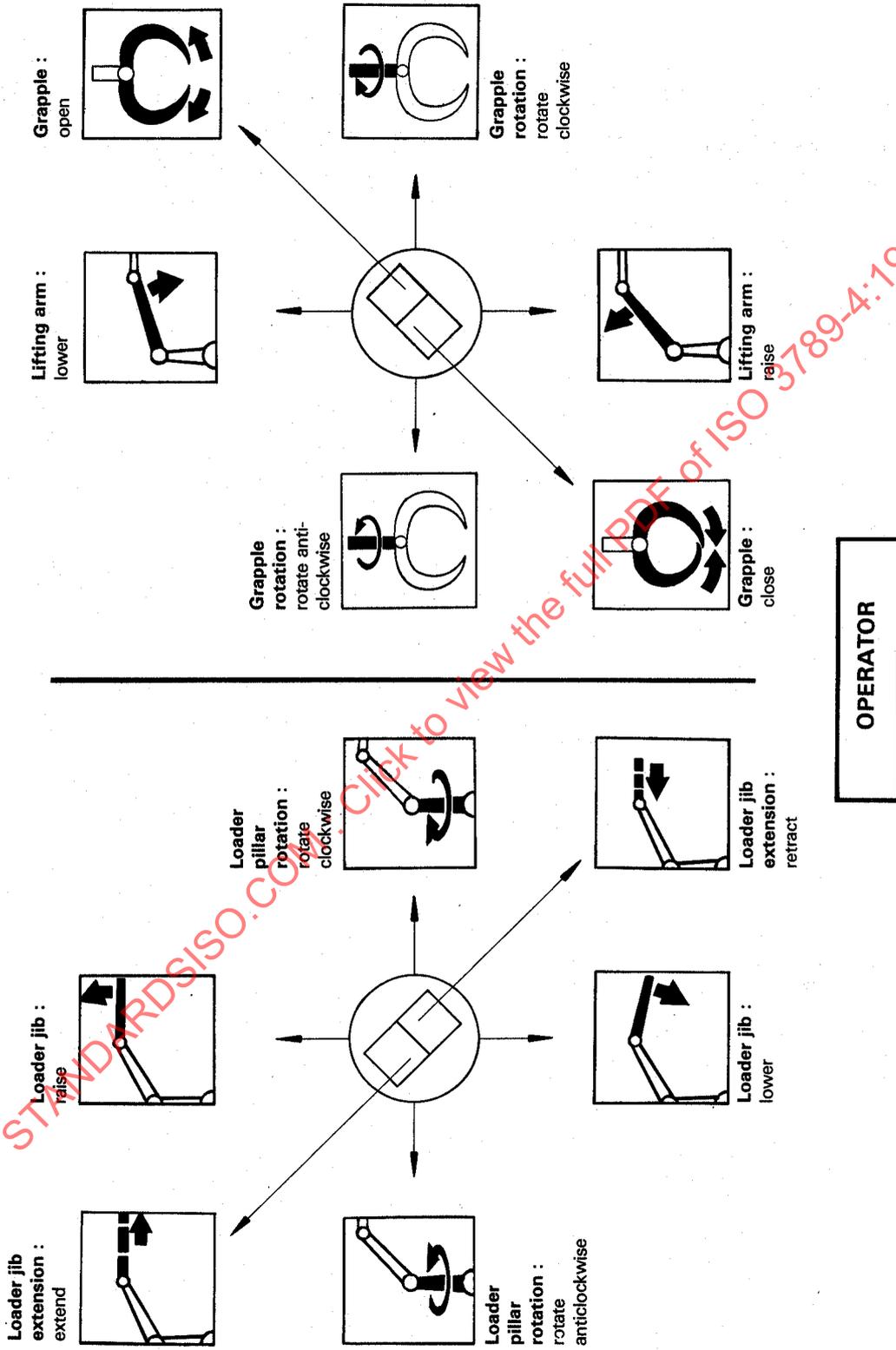


Figure 1 — Log loader controls, two-lever system operational pattern — System A

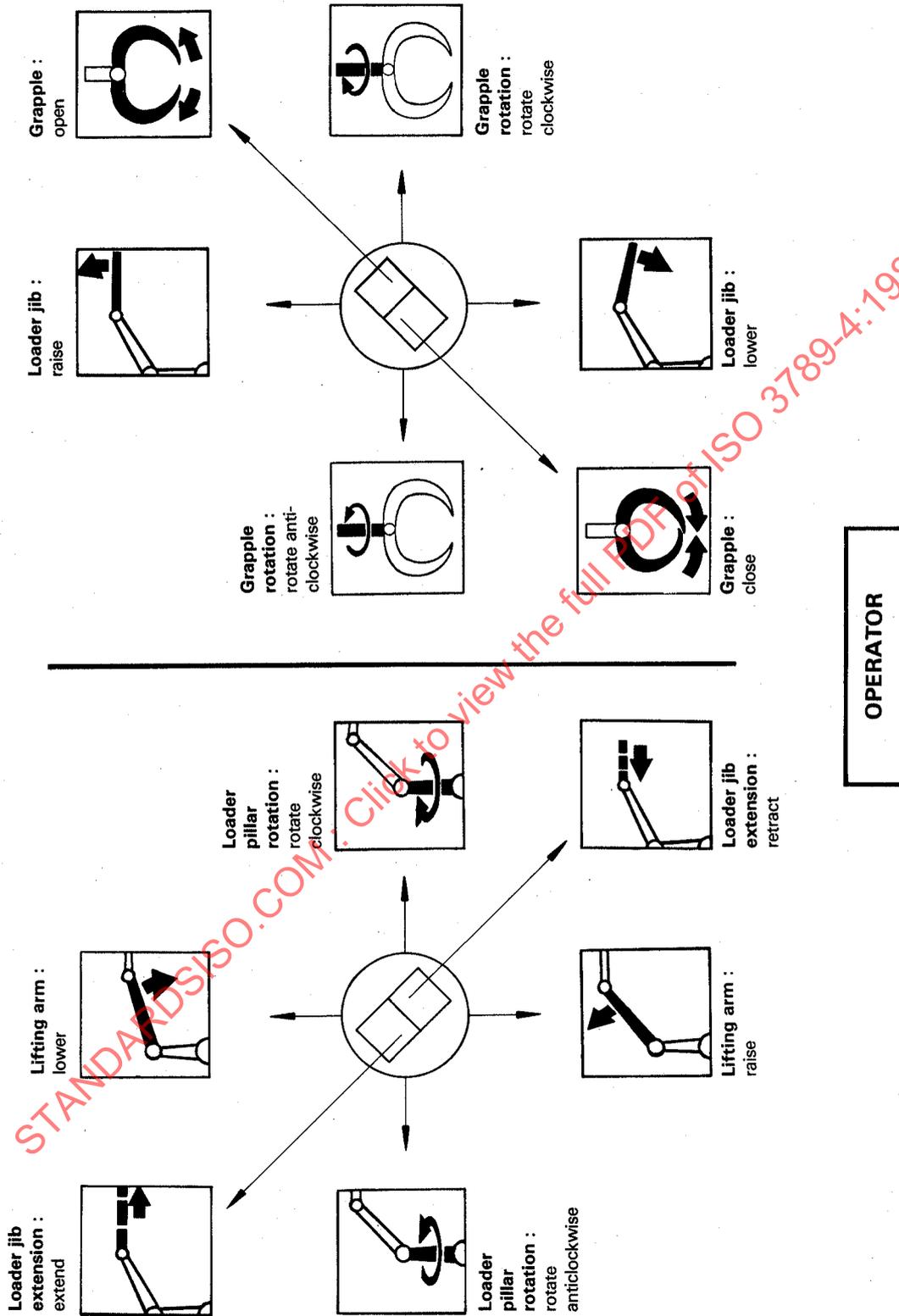


Figure 2 — Log loader controls, two-lever system operational pattern — System B

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