

International Standard



6346

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Freight containers — Coding, identification and marking

Conteneurs pour le transport de marchandises — Codage, identification et marquage

Second edition — 1984-09-01

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been authorized 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.

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.

International Standard ISO 6346 was developed by Technical Committee ISO/TC 104, *Freight containers*, and was circulated to the member bodies in May 1983.

It has been approved by the member bodies of the following countries:

Australia	Hungary	South Africa, Rep. of
Austria	India	Sweden
Belgium	Iran	Switzerland
Bulgaria	Italy	Thailand
Canada	Japan	Turkey
Cuba	Malaysia	United Kingdom
Czechoslovakia	Netherlands	USA
Denmark	New Zealand	USSR
France	Poland	Yugoslavia
Germany, F.R.	Romania	

No member body expressed disapproval of the document.

This second edition cancels and replaces the first edition (i.e. ISO 6346-1981).

Contents

	Page
0 Introduction	1
1 Scope	1
2 Field of application	1
3 References	1
4 Identification system and its associated marks	2
4.1 Identification system	2
4.2 Identification marks	2
5 Country, size and type codes and their associated marks	2
5.1 Codes: country, size and type	2
5.2 Marks: country, size and type	2
6 Operational marks	3
6.1 Mandatory operational marks	3
6.2 Optional operational marks	3
7 Physical display of marks	3
7.1 Size and colour of marks	3
7.2 Layout and location of marks	3
Annexes	
A Determination of check digit	10
B Symbol to denote air/surface container	12
C Details of warning sign of overhead electrical danger	13
D Entity list and alpha-2 code	14
E Previous country code designations	20
F Size code designations	22
G Type code designation	23
H Details of optional height marks for containers of height greater than 2,6 m (8.5 ft)	29
J National registration organizations affiliated with International Container Bureau	30

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Freight containers — Coding, identification and marking

0 Introduction

This International Standard provides a system for the identification and presentation of information about freight containers. It is intended that the identification system be of general use, for example in documentation, control and communications (including automatic data processing systems), as well as for display on the containers themselves.

The methods of displaying identification and certain other data (including operational data) on containers by means of permanent marks are included.

NOTE — The first edition of this International Standard was based on a combination of ISO 790, *Marking of series 1 freight containers* and ISO 2716, *Identification marking code for freight containers*, which it replaced.

1 Scope

1.1 This International Standard establishes :

- a) an identification system with an associated system for verifying the accuracy of its use having
 - mandatory marks for the presentation of the identification system for visual interpretation,
 - optional marks which may be used for Automatic Machine Readable Information (AMRI) system purposes;
- b) a data coding system for country and container size and type with corresponding optional marks for the display of these;
- c) operational marks — mandatory and optional;
- d) physical presentation of marks.

1.2 The term "mandatory" and "optional" in this International Standard are used to differentiate between those ISO marking provisions, which shall necessarily be fulfilled by all containers, from those which are not required of all containers. The optional marks are included to further comprehension and promote uniform application of the optional mark. If a choice has been made to display an optional mark, the provisions laid down in this International Standard relating to the mark shall be complied with.

The terms "mandatory" and "optional" do not refer to requirements of any regulatory body.

1.3 Exclusion : Temporary operational marks of any kind, permanent marks, data plates, etc. which may be required by intergovernmental agreement, national legislations or by non-governmental organizations other than ISO are not covered in this International Standard.

Neither does this International Standard cover the display of technical data on tank containers (see ISO 1496/3). Nor does it, in any way, include identification marks or safety signs for items of cargo which may be carried in freight containers.

NOTE — Containers marked in accordance with the previous edition of ISO 6346 (1981) need not be remarked.

2 Field of application

This International Standard applies to all standard freight containers covered by International Standards and should, wherever appropriate and practicable, be applied to containers other than those covered by International Standards.

3 References

ISO 668, *Series 1 freight containers — Classification, external dimensions and ratings*.

ISO 1496/3, *Series 1 freight containers — Specification and testing — Part 3: Tank containers for liquids and gases*.

ISO 3166, *Code for the representation of names of countries*.

ISO 8323, *Freight containers — Air/surface (intermodal) general purpose containers — Specification and tests*.¹⁾

NOTE — Some of the major international conventions whose container marking requirements are not covered in this International Standard are as follows :

- International Convention for Safe Containers (UN/IMO 1977).
- Customs Convention on Containers 1956 and 1972.
- Customs Convention on International Movement of Goods under Cover of TIR Carnets (TIR Convention) 1959 and 1976.

It should not be assumed that this list is exhaustive.

1) At present at the stage of draft.

4 Identification system and its associated marks

4.1 Identification system

The identification system shall consist of the following :

- owner code : four letters;
- serial number : six numerals;
- check digit : one numeral.

4.1.1 Owner code

The container owner code shall consist of four capital letters of the Latin alphabet of which the fourth letter shall be a U.

In order that owner codes are unique it is necessary for all codes to be registered with the International Container Bureau (BIC - Bureau international des conteneurs), either through the affiliated national registration organizations, where such exist (see annex J), or otherwise by direct contact with the following address :

Bureau international des conteneurs
38, Cours Albert 1^{er}
75008 Paris
France

While the actual processes of registration are performed by these bodies in consultation with each other, the overall responsibility for owner code assignments rests with ISO.

4.1.2 Serial number

The serial number shall consist of six Arabic numerals. If the series of significant numerals does not total six, they shall be preceded by sufficient zeroes to make up six numerals. (For example, if the significant series of numerals is 1234, the serial number should be 001234.)

4.1.3 Check digit

The check digit provides a means of validating the transmission accuracy of the owner code and serial number and shall be determined as in annex A. The check digit shall cover the owner code and serial number only.

4.2 Identification marks

4.2.1 Mandatory identification marks

The use of marks in accordance with the identification system specified in 4.1, i.e. owner code, serial number and check digit, is mandatory for freight containers. The characteristics (size, shape, layout, etc.) detailed in 7.1 and 7.2.1 shall be displayed as nearly as may be practicable in accordance with clause 7, i.e. capable of being read by the human eye.

4.2.2 Optional identification marks

Identification marking, additional to that covered in 4.2.1, may be provided for use with an Automatic Machine Readable Information (AMRI) system. Details of the various AMRI systems which could be used are not within the scope of this International Standard, but if an AMRI system is used, then the identification information it presents (or reproduces) shall correspond exactly to that detailed in 4.1.

5 Country, size and type codes and their associated marks

5.1 Codes : country, size and type

These codes may be marked on the containers themselves, on an optional basis, as indicated in 5.2.

They may be used in container document communications and data transmission systems as well as for other purposes.

5.1.1 Country code

When it is used, the country code shall be indicated by means of the alpha-2 code laid down in ISO 3166 (see annex D).

However, existing containers will have been marked according to the codes given in annex E; these codes may, therefore, continue to appear for some time.

5.1.2 Size and type code

When used, the size and type code shall comprise four Arabic numerals. The first two numerals, relating to dimensional characteristics, shall be selected from annex F. The second two numerals, relating to type characteristics, shall be selected from annex G.

It is recommended that the size and type code should be used as a whole, i.e. it should not be broken into its component parts either for data transmission or for display purposes, except where the full significance of the part of the code which may be used can be made absolutely clear to all parties concerned.

5.2 Marks : country, size and type

The use of marks on containers to denote country (i.e. country of registration of container owner code) and/or size and type codes is optional, and when used shall be displayed as shown in clause 7.

When a country code, as envisaged in 5.1, is marked on a container in close proximity to the owner code, serial number and check digit in any of the positions indicated in clause 7, it shall be taken to indicate the country in which the owner code was registered and shall have no other significance.

6 Operational marks

The marks in this section are not intended to correspond to any particular code (for use in data transmissions or any other purpose). They are solely intended as markings for use on freight containers to convey certain information or give warnings visually.

6.1 Mandatory operational marks

6.1.1 Maximum gross and tare masses

The maximum gross and tare masses shall be marked on a container as

MAX GROSS :	00 000 kg
	00 000 lb
TARE :	00 000 kg
	00 000 lb

For safety reasons, containers tested in compliance with the approved methods specified in that part of ISO 1496 applicable to the type of container in question, shall be uniformly marked with that maximum gross mass used for the tests.

Furthermore, the "maximum gross mass" marked on the container in compliance with this International Standard shall be identical to that shown on the CSC¹⁾ Safety Approval Plate.

As indicated above, the masses shall be expressed in kilograms (kg) and pounds (lb).

6.1.2 Air/surface container symbol

Details of this symbol are specified in annex B of this International Standard.

6.1.3 Warning sign of overhead electrical danger

This warning sign shall be displayed on all containers equipped with ladders. It shall be in accordance with the details given in annex C.

6.2 Optional operational marks

A height warning symbol may be displayed on containers having a height in excess of 2,6 m (8.5 ft).

If used, the symbol shall be in accordance with annex H.

7 Physical display of marks

7.1 Size and colour of marks

The letters and numerals of the owner code, serial number, and check digit shall be not less than 100 mm (4 in) high.

The letters and numerals for MAX GROSS and TARE shall be not less than 50 mm (2 in) high.

All characters shall be of proportionate width and thickness; they shall be durable and in a colour contrasting with that of the container.

7.2 Layout and location of marks

The requirements of this clause are particularly applicable to containers of the "closed box" type. For containers of other types, all possible practicable steps should be taken to follow the marking layout and location given for the "closed box" type of container.

7.2.1 Layout of marks

7.2.1.1 Mandatory marks

7.2.1.1.1 Identification marks

The layout of the owner code, serial number and check digit on containers shall preferably be shown in one single horizontal line, as described below (see also figure 1). Where constructional features of the container dictate otherwise, the layout may be vertical (see figure 2).

If, on some special-purpose containers, a fully horizontal or fully vertical layout is not possible, the layout of the mandatory identification marks shall be maintained in the horizontal or vertical groupings as specified below (see figures 3 and 4).

The owner code and serial number shall be separated by at least one character space. The serial number and check digit shall be separated by one character space and the check digit shall be displayed in a box.

It is recommended that one character space be provided between the third and fourth digit of the serial number (see figure 1).

For example, a general purpose container having a unique registered owner code of ABZU and a serial number of 001234 will have the layout as shown in figures 1 to 4.

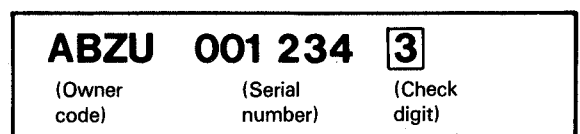


Figure 1 — Preferred horizontal layout for mandatory identification marks

1) International Convention for Safe Containers (CSC), UN/IMO.

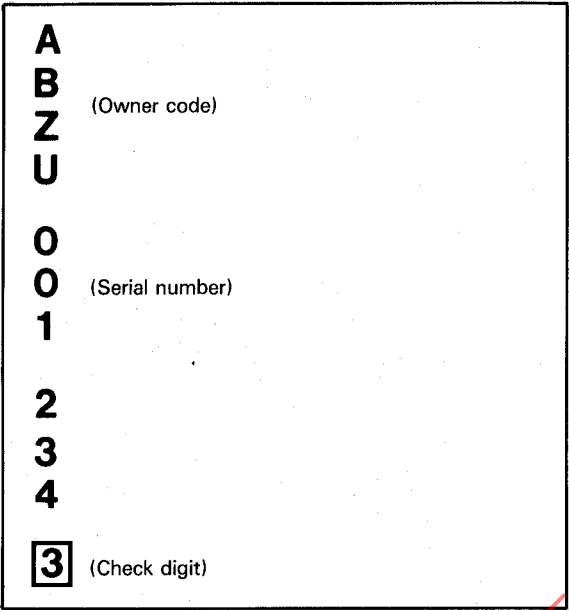


Figure 2 — Mandatory marks : preferred (single column) vertical layout

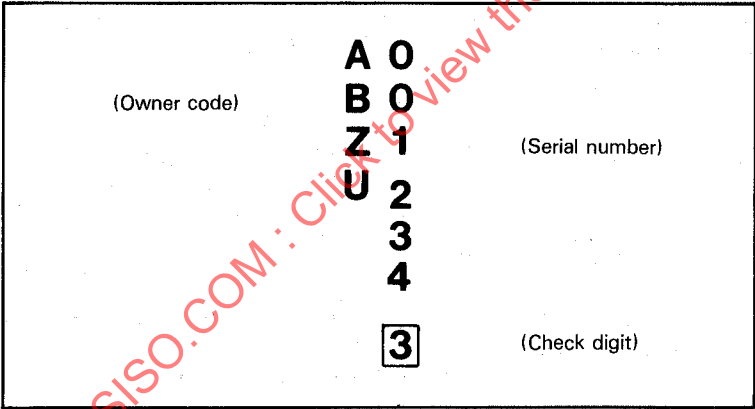


Figure 3 — Mandatory marks : alternative (double column) vertical layout

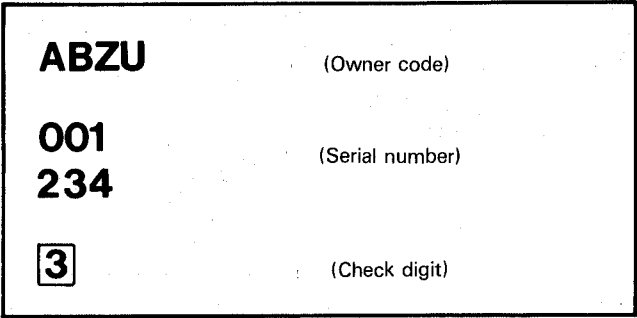


Figure 4 — Mandatory marks : alternative horizontal grouping layout

7.2.1.1.2 Operational marks

The layout of maximum gross and tare masses shall be as stated in 6.1.1.

The layout of the air/surface container symbol shall be as stated in annex B.

The layout of the sign for warning of overhead electrical danger shall be as stated in annex C.

7.2.1.2 Optional marks

7.2.1.2.1 Identification marks

The layout of the optional country code and size and type codes should, as far as practicable, be in a single horizontal line underneath the horizontal line giving the owner code, serial number and check digit (see figure 5).

ABZU	001 234	3
(Owner code)	(Serial number)	(Check digit)
FR	20 30	
(Country code)	(Size code) (Type code)	

Figure 5 — Optional marks: when displayed with the preferred horizontal layout of mandatory marks

When the owner code, serial number and check digit are displayed vertically (see figures 2 and 3), the country, size and type codes should be placed adjacent to the mandatory marks (see figures 6 and 7).

On some special-purpose containers where a fully horizontal or fully vertical layout is not possible and the layout of the mandatory identification marks is horizontal (see figure 4), the country, size and type codes should be placed beneath the mandatory marks (see figure 8).

The size and type code should be used as a whole (see 5.1.2).

The layout of the code for the Automatic Machine Readable Information (AMRI) system is not stipulated, but the basic data required on an AMRI label shall be identical to the mandatory requirements of 4.1 and 4.2.2.

7.2.1.2.2 Operational marks

The layout of the optional mark "height marks for containers of height greater than 2,6 m (8.5 ft)" shall be as stated in annex H.

7.2.2 Location of marks

7.2.2.1 Mandatory marks

7.2.2.1.1 Identification marks

The mandatory marks of 4.1, i.e. owner code, serial number, and check digit, shall be positioned as far as practicable on the container as shown in figure 9.

	A F	(Country code)
(Owner code)	B R	
	Z	
	U 2	(Size code)
	0 0	
	0 3	(Type code)
(Serial number)	1 0	
	2	
	3	
	4	
(Check digit)	3	

Figure 6 — Optional marks: when displayed with the preferred (single column) vertical layout of mandatory marks

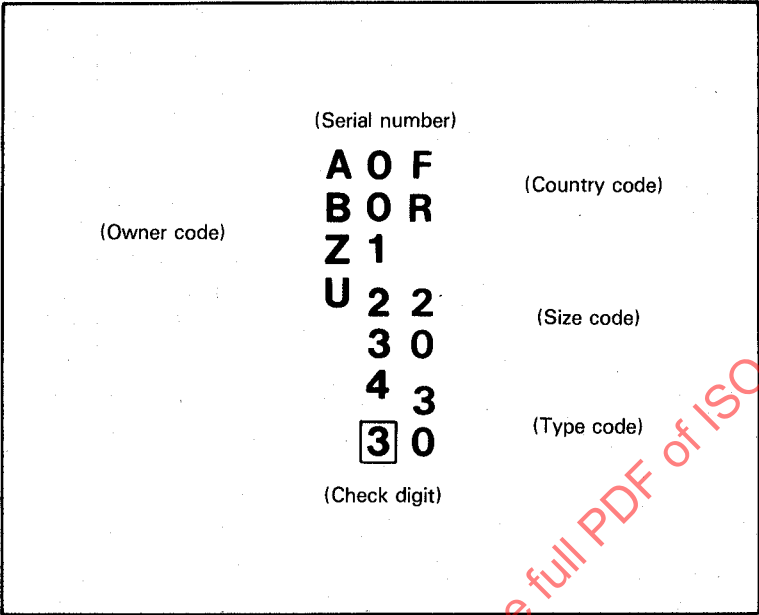


Figure 7 — Optional marks: when displayed with the alternative (double column) vertical layout of mandatory marks

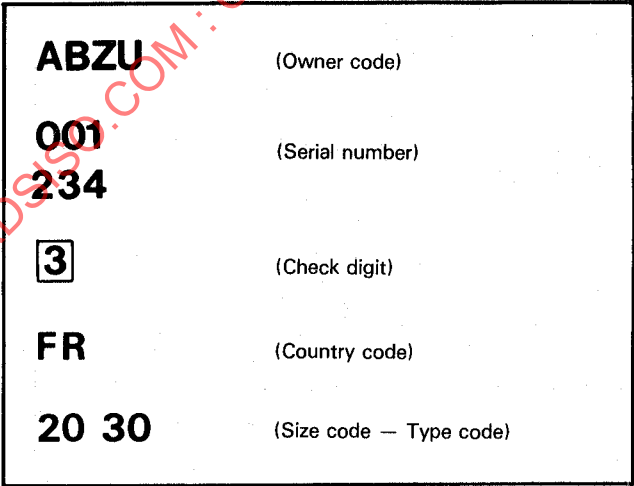


Figure 8 — Optional marks: when displayed with the alternative horizontal grouping layout of mandatory marks

7.2.2.1.2 Operational marks

The mandatory operational marks of 6.1.1, i.e. maximum gross and tare masses shall be positioned as far as practicable on the container as shown in figure 9.

For the location of the air/surface container symbol, see annex B.

For location of the symbol for warning of overhead electrical danger, see annex C.

7.2.2.2 Optional marks

In accordance with 4.2.2, clause 5 and 6.2, the optional marks shall be located on the container as indicated in 7.2.2.2.1 to 7.2.2.2.4.

7.2.2.2.1 Identification marks

The optional marks of country, size and type code, when used, shall be located underneath or adjacent to the mandatory identification marks, as appropriate (see figures 5, 6, 7 or 8).

For the AMRI system, the AMRI label shall be positioned on the container such that it does not in any way interfere with the Human Readable Identification (HRI) system. For practical considerations, the mounting of AMRI labels on the container roof or bottom is not recommended.

7.2.2.2.2 Operational marks

The location of the height warning symbol is given in annex H.

7.2.2.2.3 Other marks

Marks, other than those stipulated by this International Standard, shall be so displayed on the container that they do not in any way interfere with marks described in this International Standard.

7.2.2.2.4 Where these optional marks involve the owner code, serial number and check digit, these marks shall be displayed as a whole without omitting any part.

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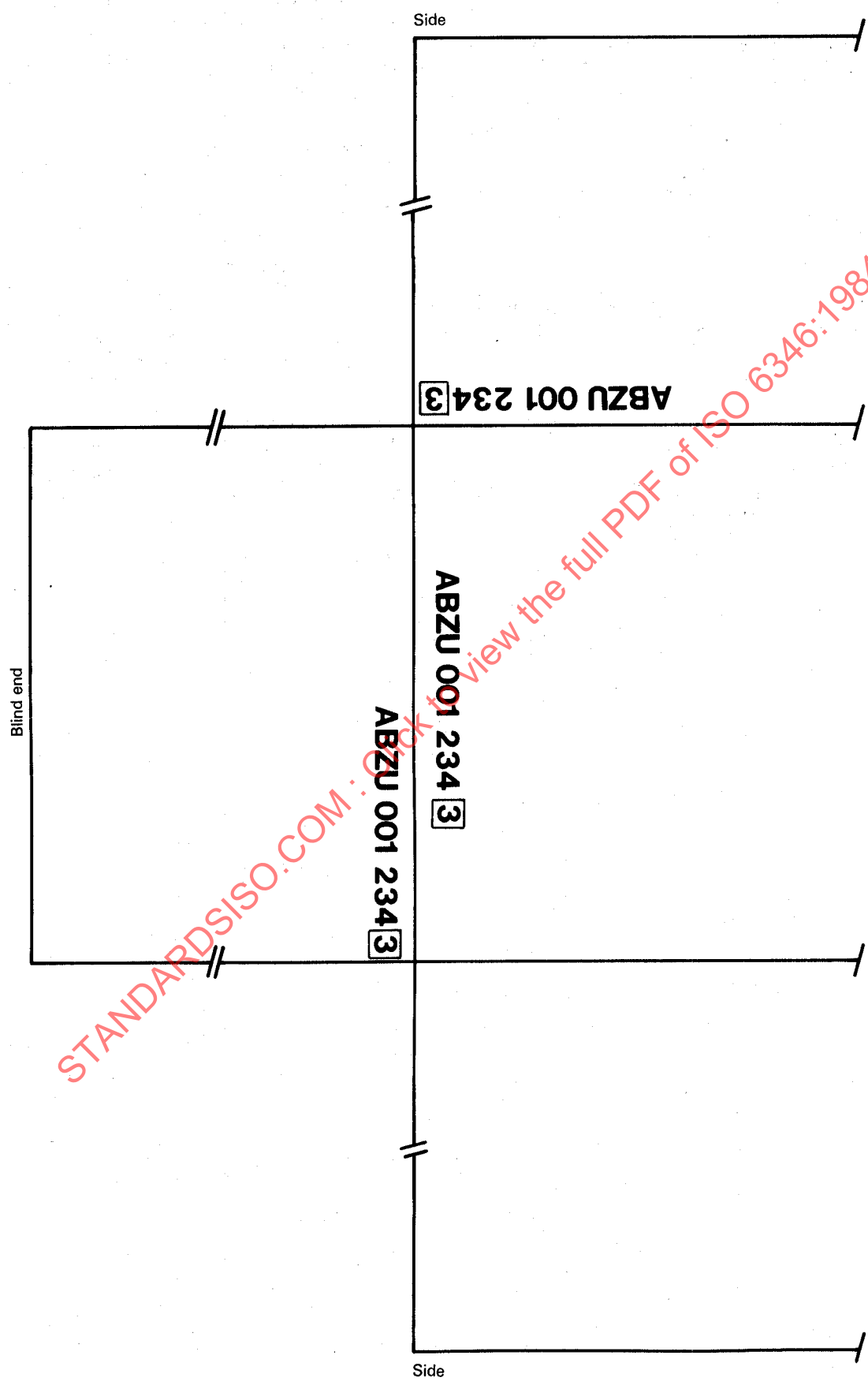


Figure 9 — Location of mandatory marks

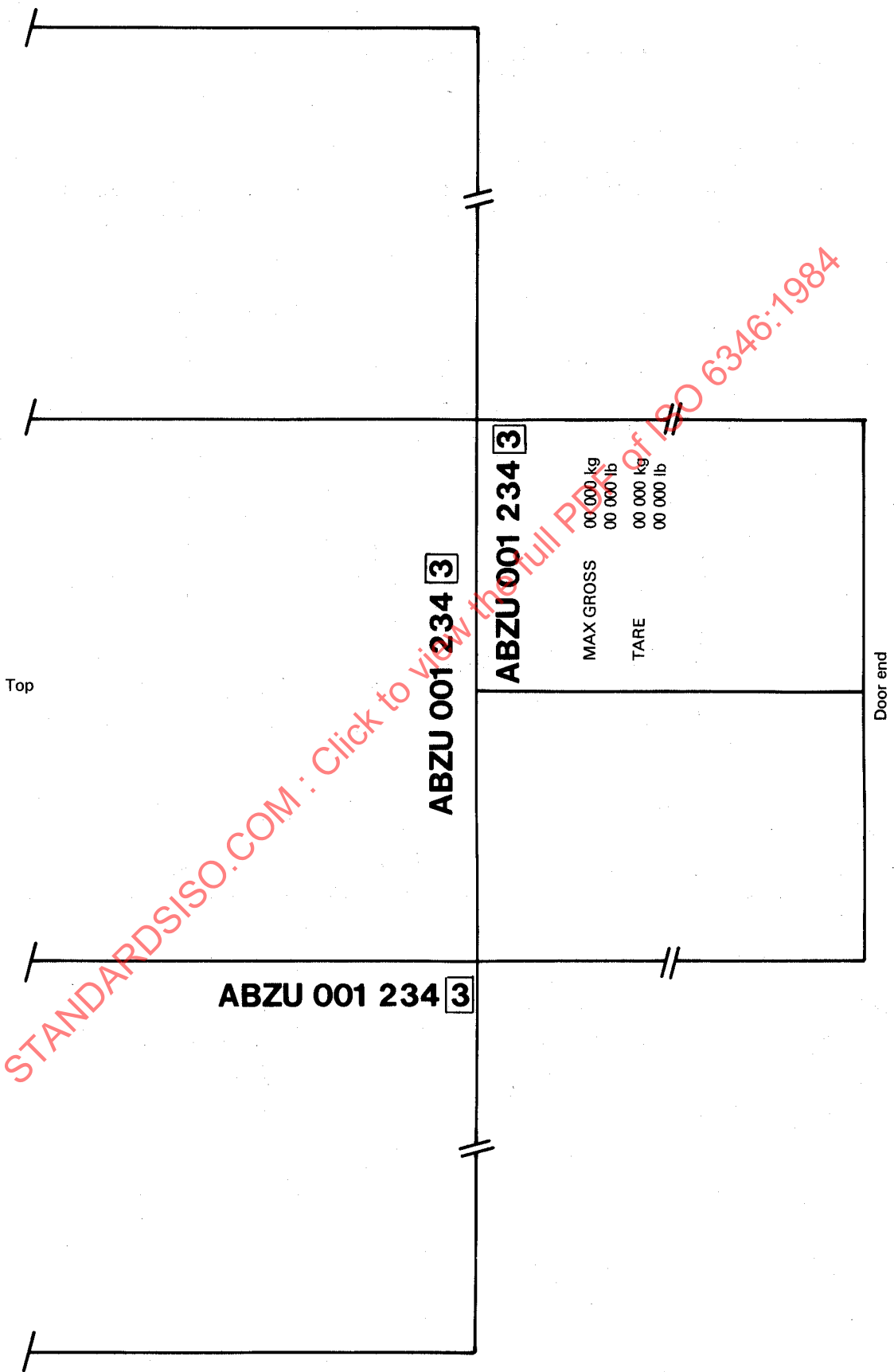


Figure 9 (concluded)

Annex A

Determination of check digit

A.1 Numeric equivalents of owner code and serial number

Each letter of the owner code and each numeral of the serial number shall be consecutively allocated a numeric value in accordance with table 1.

Table 1 — Equivalent values

Owner code				Serial number
Letter	Equivalent value	Letter	Equivalent value	Numeral or equivalent value ¹⁾
A	10	N	25	0
B	12	O	26	1
C	13	P	27	2
D	14	Q	28	3
E	15	R	29	4
F	16	S	30	5
G	17	T	31	6
H	18	U	32	7
I	19	V	34	8
J	20	W	35	9
K	21	X	36	
L	23	Y	37	
M	24	Z	38	

1) The serial number and its equivalent value are identical.

NOTE — The equivalent values 11, 22 and 33 are omitted as they are multiples of the modulus (see A.3).

A.2 Weighting factor

Each numeric equivalent, determined in accordance with clause A.1, shall be multiplied by a weighting factor in the range 2^0 to 2^9 . The weighting factor 2^0 is applied to the first letter of the owner code, and then in increasing powers of 2 rising to 2^9 for the last digit of the serial number.

A.3 Modulus

The sum of the products obtained according to clause A.2 shall be divided by a modulus of value eleven.

A.4 Value of check digit

Table 2 indicates the check digit value corresponding to the remainder value of the division effected in conformity with clause A.3.

Table 2 — Check digit value

Remainder	Check digit
10	0
9	9
8	8
7	7
6	6
5	5
4	4
3	3
2	2
1	1
0	0

NOTE — Where it is required to avoid the duplication resulting from the value zero being assigned as a remainder of both 10 and 0, it is recommended that serial numbers resulting in remainders of 10 should not be used.

A.5 Example of the calculation of the check digit

Stage Calculation

I Owner code : Serial number :

Z	E	P	U	0	0	3	7	2	5
---	---	---	---	---	---	---	---	---	---

II Equivalent factors :

38	15	27	32	0	0	3	7	2	5
----	----	----	----	---	---	---	---	---	---

III Weighting factors :

1	2	4	8	16	32	64	128	256	512
---	---	---	---	----	----	----	-----	-----	-----

IV Product of columns in lines II and III :

38	30	108	256	0	0	192	896	512	2560
----	----	-----	-----	---	---	-----	-----	-----	------

The sum of all the products in line IV = 4 592

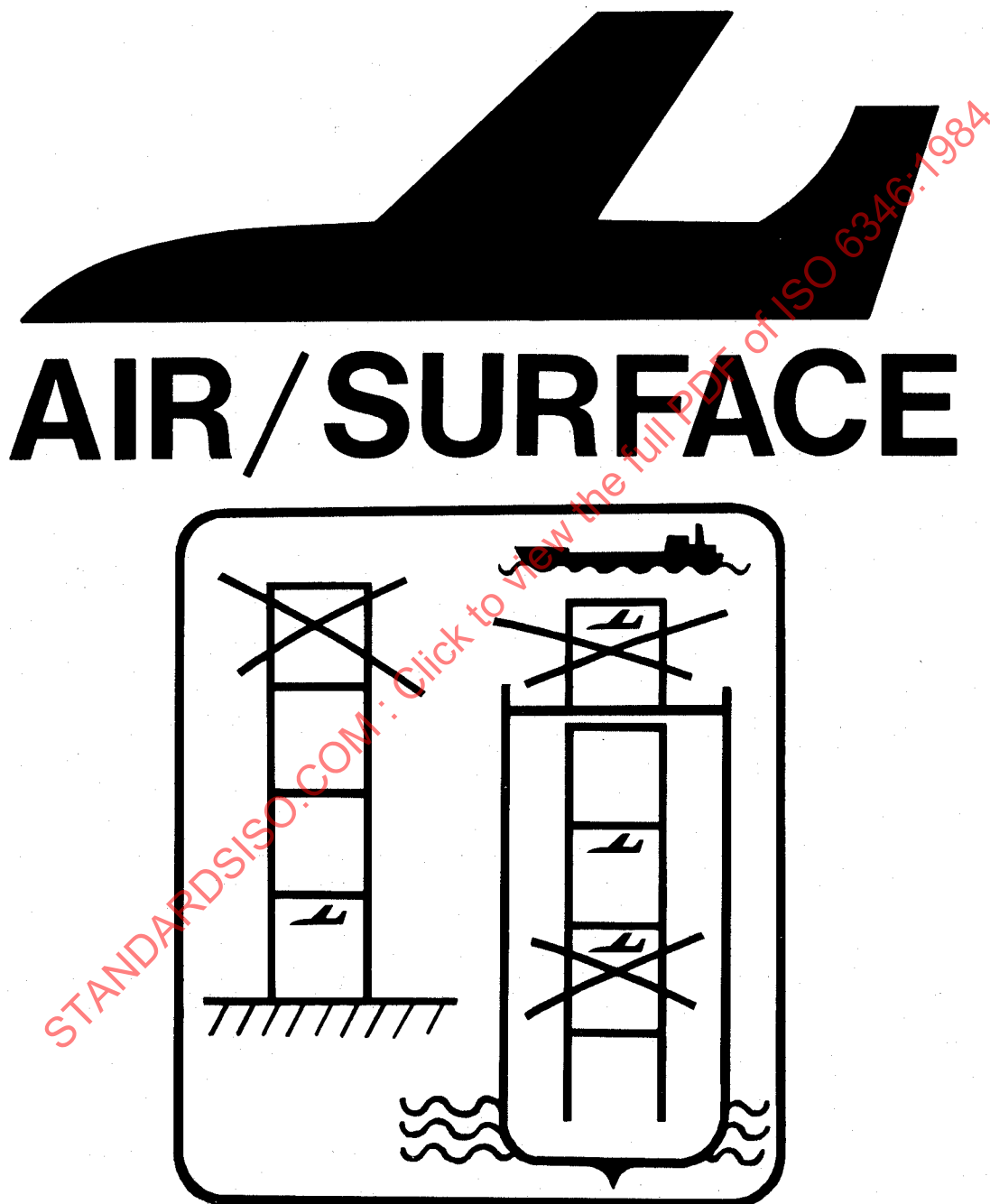
The sum divided by the modulus 11 = $417 \frac{5}{11}$

The remainder is "5" and, by referring to table 2, it is found that the check digit is 5 in this case.

Annex B

Symbol to denote air/surface container

To denote that the container is an air/surface container with stacking limitations, the following symbol shall be used.¹⁾



The aircraft in the symbol shall be at least 130 mm (5 in) high and 360 mm (14 in) long. The stacking symbol shall be at least 280 mm (11 in) high and 260 mm (10 in) wide. The recommended proportions should be used. The capital letters shall be at least 80 mm (3 in) high.

The colour of the symbol should be black. If the colour of the container is such that the symbol does not show clearly, a panel of a suitable colour, preferably white, should be provided as background.

¹⁾ The symbol shall be located in the top left-hand corner of the end walls, side walls and the roof, where appropriate (see ISO 8323).

Annex C

Details of warning sign of overhead electrical danger

The sign shall consist of a black symbol on a yellow background, surrounded by a black border (see example below).

The height of the symbol (lightning flash) shall be a minimum of 175 mm (6.875 in).

The size of the warning sign measured between the outside edges of the black border shall not be less than 230 mm (9 in).

The mark shall be located in an area adjacent to the ladder.

Example of marking



Annex D

Entity list and alpha-2 code

NOTE — This annex is included for information only. Reference should be made to ISO 3166 for the up-to-date listing.

ENTITY (English name) Official name in English	Alpha-2 code
1	2
AFGHANISTAN Democratic Republic of Afghanistan	AF
ALBANIA People's Socialist Republic of Albania	AL
ALGERIA People's Democratic Republic of Algeria	DZ
AMERICAN SAMOA	AS
ANDORRA	AD
ANGOLA People's Republic of Angola	AO
ANTARCTICA	AQ
ANTIGUA	AG
ARGENTINA Argentine Republic	AR
AUSTRALIA Commonwealth of Australia	AU
AUSTRIA Republic of Austria	AT
BAHAMAS Commonwealth of the Bahamas	BS
BAHRAIN State of Bahrain	BH
BANGLADESH People's Republic of Bangladesh	BD
BARBADOS	BB
BELGIUM Kingdom of Belgium	BE
BELIZE	BZ

ENTITY (English name) Official name in English	Alpha-2 code
1	2
BENIN People's Republic of Benin	BJ
BERMUDA	BM
BHUTAN Kingdom of Bhutan	BT
BOLIVIA Republic of Bolivia	BO
BOTSWANA Republic of Botswana	BW
BOUVET ISLAND	BV
BRAZIL Federative Republic of Brazil	BR
BRITISH INDIAN OCEAN TERRITORY	IO
BRITISH VIRGIN ISLANDS	VG
BRUNEI	BN
BULGARIA People's Republic of Bulgaria	BG
BURMA Socialist Republic of the Union of Burma	BU
BURUNDI Republic of Burundi	BI
BYELORUSSIAN SSR Byelorussian Soviet Socialist Republic	BY
CAMEROON, UNITED REPUBLIC OF	CM
CANADA	CA
CANTON AND ENDERBURY ISLANDS	CT

1	2	1	2
CAPE VERDE Republic of Cape Verde	CV	EAST TIMOR*	TP
CAYMAN ISLANDS	KY	ECUADOR Republic of Ecuador	EC
CENTRAL AFRICAN REPUBLIC	CF	EGYPT Arab Republic of Egypt	EG
CHAD Republic of Chad	TD	EL SALVADOR Republic of El Salvador	SV
CHILE Republic of Chile	CL	EQUATORIAL GUINEA Republic of Equatorial Guinea	GQ
CHINA ¹⁾ People's Republic of China	CN	ETHIOPIA	ET
CHRISTMAS ISLAND	CX	FAEROE ISLANDS	FO
COCOS (KEELING) ISLANDS	CC	FALKLAND ISLANDS (MALVINAS)	FK
COLOMBIA Republic of Colombia	CO	FIJI	FJ
COMOROS Federal and Islamic Republic of Comoros	KM	FINLAND Republic of Finland	FI
CONGO People's Republic of the Congo	CG	FRANCE French Republic	FR
COOK ISLANDS	CK	FRENCH GUIANA	GF
COSTA RICA Republic of Costa Rica	CR	FRENCH POLYNESIA	PF
CUBA Republic of Cuba	CU	GABON Gabonese Republic	GA
CYPRUS Republic of Cyprus	CY	GAMBIA Republic of the Gambia	GM
CZECHOSLOVAKIA Czechoslovak Socialist Republic	CS	GERMAN DEMOCRATIC REPUBLIC	DD
DENMARK Kingdom of Denmark	DK	GERMANY, FEDERAL REPUBLIC OF	DE
DJIBOUTI Republic of Djibouti	DJ	GHANA Republic of Ghana	GH
DOMINICA Commonwealth of Dominica	DM	GIBRALTAR	GI
DOMINICAN REPUBLIC	DO	GREECE Hellenic Republic	GR
DRONNING MAUD LAND	NQ		

* Provisional change of name.

1) See also Taiwan.

1	2
GREENLAND	GL
GRENADA	GD
GUADELOUPE	GP
GUAM	GU
GUATEMALA Republic of Guatemala	GT
GUINEA Revolutionary People's Republic of Guinea	GN
GUINEA-BISSAU Republic of Guinea-Bissau	GW
GUYANA Republic of Guyana	GY
HAITI Republic of Haiti	HT
HEARD AND MC DONALD ISLANDS	HM
HONDURAS Republic of Honduras	HN
HONG KONG	HK
HUNGARY Hungarian People's Republic	HU
ICELAND Republic of Iceland	IS
INDIA Republic of India	IN
INDONESIA Republic of Indonesia	ID
IRAN Islamic Republic of Iran	IR
IRAQ Republic of Iraq	IQ
IRELAND	IE
ISRAEL State of Israel	IL
ITALY Italian Republic	IT

1	2
IVORY COAST Republic of the Ivory Coast	CI
JAMAICA	JM
JAPAN	JP
JOHNSTON ISLAND	JT
JORDAN Hashemite Kingdom of Jordan	JO
KAMPUCHEA, DEMOCRATIC	KH
KENYA Republic of Kenya	KE
KIRIBATI	KI
KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF	KP
KOREA, REPUBLIC OF	KR
KUWAIT State of Kuwait	KW
LAO PEOPLE'S DEMOCRATIC REPUBLIC	LA
LEBANON Lebanese Republic	LB
LESOTHO Kingdom of Lesotho	LS
LIBERIA Republic of Liberia	LR
LIBYAN ARAB JAMAHIRIYA Socialist People's Libyan Arab Jamahiriya	LY
LIECHTENSTEIN Principality of Liechtenstein	LI
LUXEMBOURG Grand Duchy of Luxembourg	LU
MACAU	MO
MADAGASCAR Democratic Republic of Madagascar	MG
MALAWI Republic of Malawi	MW
MALAYSIA	MY
MALDIVES Republic of Maldives	MV

1	2	1	2
MALI Republic of Mali	ML	NICARAGUA Republic of Nicaragua	NI
MALTA Republic of Malta	MT	NIGER Republic of the Niger	NE
MARTINIQUE	MQ	NIGERIA Federal Republic of Nigeria	NG
MAURITANIA Islamic Republic of Mauritania	MR	NIUE	NU
MAURITIUS	MU	NORFOLK ISLAND	NF
MEXICO United Mexican States	MX	NORWAY Kingdom of Norway	NO
MIDWAY ISLANDS	MI	OMAN Sultanate of Oman	OM
MONACO Principality of Monaco	MC	PACIFIC ISLANDS (trust territory)	PC
MONGOLIA Mongolian People's Republic	MN	PAKISTAN Islamic Republic of Pakistan	PK
MONTSERRAT	MS	PANAMA Republic of Panama	PA
MOROCCO Kingdom of Morocco	MA	PAPUA NEW GUINEA	PG
MOZAMBIQUE People's Republic of Mozambique	MZ	PARAGUAY Republic of Paraguay	PY
NAMIBIA	NA	PERU Republic of Peru	PE
NAURU Republic of Nauru	NR	PHILIPPINES Republic of the Philippines	PH
NEPAL Kingdom of Nepal	NP	PITCAIRN ISLAND	PN
NETHERLANDS Kingdom of the Netherlands	NL	POLAND Polish People's Republic	PL
NETHERLANDS ANTILLES	AN	PORTUGAL Portuguese Republic	PT
NEUTRAL ZONE	NT	PUERTO RICO	PR
NEW CALEDONIA	NC	QATAR State of Qatar	QA
NEW ZEALAND	NZ		

1	2
RÉUNION	RE
ROMANIA Socialist Republic of Romania	RO
RWANDA Rwandese Republic	RW
ST. HELENA	SH
ST. KITTS-NEVIS-ANGUILLA	KN
SAINT LUCIA	LC
ST. PIERRE AND MIQUELON	PM
SAINT VINCENT AND THE GRENADINES	VC
SAMOA Independent State of Western Samoa	WS
SAN MARINO Republic of San Marino	SM
SAO TOME AND PRINCIPE Democratic Republic of Sao Tome and Principe	ST
SAUDI ARABIA Kingdom of Saudi Arabia	SA
SENEGAL Republic of Senegal	SN
SEYCHELLES Republic of Seychelles	SC
SIERRA LEONE Republic of Sierra Leone	SL
SINGAPORE Republic of Singapore	SG
SOLOMON ISLANDS	SB
SOMALIA Somali Democratic Republic	SO
SOUTH AFRICA Republic of South Africa	ZA

1	2
SPAIN Spanish State	ES
SRI LANKA Democratic Socialist Republic of Sri Lanka	LK
SUDAN Democratic Republic of the Sudan	SD
SURINAME Republic of Suriname	SR
SVALBARD AND JAN MAYEN ISLANDS	SJ
SWAZILAND Kingdom of Swaziland	SZ
SWEDEN Kingdom of Sweden	SE
SWITZERLAND Swiss Confederation	CH
SYRIAN ARAB REPUBLIC	SY
TAIWAN, PROVINCE OF CHINA	TW
TANZANIA, UNITED REPUBLIC OF	TZ
THAILAND Kingdom of Thailand	TH
TOGO Togolese Republic	TG
TOKELAU	TK
TONGA Kingdom of Tonga	TO
TRINIDAD AND TOBAGO Republic of Trinidad and Tobago	TT
TUNISIA Republic of Tunisia	TN
TURKEY Republic of Turkey	TR
TURKS AND CAICOS ISLANDS	TC
TUVALU	TV

1	2	1	2
UGANDA	UG	VATICAN CITY STATE (HOLY SEE)	VA
Republic of Uganda		VENEZUELA	VE
UKRAINIAN SSR	UA	Republic of Venezuela	
Ukrainian Soviet Socialist Republic		VIET NAM	VN
UNITED ARAB EMIRATES	AE	Socialist Republic of Viet Nam	
UNITED KINGDOM	GB	WAKE ISLAND	WK
United Kingdom of Great Britain and Northern Ireland		WALLIS AND FUTUNA ISLANDS	WF
UNITED STATES	US	WESTERN SAHARA *	EH
United States of America		YEMEN	YE
UNITED STATES MISCELLANEOUS PACIFIC ISLANDS	PU	Yemen Arab Republic	
UNITED STATES VIRGIN ISLANDS	VI	YEMEN, DEMOCRATIC	YD
UPPER VOLTA	HV	People's Democratic Republic of Yemen	
Republic of the Upper Volta		YUGOSLAVIA	YU
URUGUAY	UY	Socialist Federal Republic of Yugoslavia	
Eastern Republic of Uruguay		ZAIRE	ZR
USSR	SU	Republic of Zaire	
Union of Soviet Socialist Republics		ZAMBIA	ZM
VANUATU	VU	Republic of Zambia	
		ZIMBABWE	ZW

* Provisional change of name.

Annex E

Previous country code designations

Albania	ALX	Greece	GRX
Algeria	DZX	Guatemala	GCA
Andorra	AND	Haiti	RHX
Arab Republic of Egypt	ETX	Holy See	VXX
Argentina	RAX	Hungary	HXX
Australia	AUS	Iceland	ISX
Austria	AXX	India	IND
Barbados	BDS	Indonesia	RIX
Belgium	BXX	Iran	IRX
Botswana	RBX	Ireland	IRL
Brazil	BRX	Israel	ILX
Bulgaria	BGX	Italy	IXX
Burma	BUR	Ivory Coast	CIX
Canada	CDN	Jamaica	JAX
Central African Republic	RCA	Japan	JXX
Sri Lanka (Ceylon)	CLX	Jordan	HKJ
Chile	RCH	Kenya	EAK
China (Taiwan)	RCX	Khmer Republic [Cambodia]	KXX
Congo (Brazzaville)	RCB	Korea, Republic of	ROK
Zaire, Rep. of (Congo, People's Rep. of)	CGO	Laos	LAO
Costa Rica	CRX	Lebanon	RLX
Cyprus	CYX	Lesotho	LSX
Czechoslovakia	CSX	Luxembourg	LXX
Dahomey	DYX	Madagascar	RMX
Denmark	DKX	Malawi	MWX
Dominican Republic	DOM	Malaysia	PTM
Ecuador	ECX	Mali	RMM
Finland	SFX	Malta	MXX
France (French Overseas Territories)	FXX	Mauritius	MSX
Gambia	WAG	Mexico	MEX
Germany, Federal Republic of	DXX	Monaco	MCX
Ghana	GHX	Morocco	MAX

Netherlands	NLX	Tunisia	TNX
Surinam	SME	Turkey	TRX
Netherlands Antilles	NAX	Uganda	EAU
New Zealand	NZX	Union of Soviet Socialist Republics	SUX
Nicaragua	NIC	United Kingdom	GBX
Niger	NIG	Aden	ADN
Nigeria	WAN	Alderney	GBA
Norway	NXX	Bahamas	BSX
Pakistan	PAK	British Honduras	BHX
Paraguay	PYX	Brunei	BRU
Peru	PEX	Guernsey	GBG
Philippines	PIX	Gibraltar	GBZ
Poland	PLX	Jersey	GBJ
Portugal (Portuguese Overseas Territories)	PXX	Hong Kong	HKX
Romania	RXX	Province Wellesley	SSX
Rwanda	RWA	Seychelles	SYX
San Marino	RSM	Southern Rhodesia	RSR
Senegal	SNX	Windward Islands	
Sierra Leone	WAL	Grenada	WGX
Singapore	SGP	St. Lucia	WLX
South Africa, Rep. of	ZAX	St. Vincent	WVX
Spain	EXX	United Republic of Tanzania	
African Localities and Provinces		Tanganyika	EAT
Sri Lanka	SLA	Zanzibar	EAZ
Swaziland	SDX	United States of America	USA
Sweden	SXX	Uruguay	UXX
Switzerland	CHX	Vatican (see Holy See)	
Syria	SYR	Venezuela	YVX
Thailand	TXX	Viet-Nam, Republic of	VNX
Togo	TGX	Western Samoa	WSX
Trinidad and Tobago	TTX	Yugoslavia	YUX
		Zambia	RNR

Annex F

Size code designations

ISO freight containers series 1 and assimilated ¹⁾ containers	Nominal height <i>h</i>		Nominal length <i>L</i>		<i>h</i> = 2 438 mm (8 ft)		<i>h</i> = 2 591 mm (8 ft 6 in)		<i>h</i> > 2 591 mm (8 ft 6 in)		1 219 mm (4 ft)		1 295 mm (4 ft 3 in)		<i>h</i> ≤ 1 219 mm (4 ft)	
	Index	Tunnel for goose neck	without	with	without	with	without	with	without	with	without	with	without	with	without	with or without
Other containers	3 000 mm (10 ft)	1	0	1	12	13	14	15	16	17	18	19	20	21	22	23
	6 000 mm (20 ft)	2	10	11	22	23	24	25	26	27	28	29	30	31	32	33
	9 000 mm (30 ft)	3	20	21	32	33	34	35	36	37	38	39	40	41	42	43
	12 000 mm (40 ft)	4	30	31	42	43	44	45	46	47	48	49	50	51	52	53
	3 000 mm (10 ft)	6	60	61	62	63	64	65	66	67	68	69	70	71	72	73
	< <i>L</i> < 6 000 mm (20 ft)	7	70	71	72	73	74	75	76	77	78	79	80	81	82	83
	6 000 mm (20 ft)	8	80	81	82	83	84	85	86	87	88	89	90	91	92	93
	9 000 mm (30 ft)	9	90	91	92	93	94	95	96	97	98	99	100	101	102	103
	< <i>L</i> < 12 000 mm (40 ft)															
	<i>L</i> > 12 000 mm (40 ft)															

1) "Assimilated" means that the container is accordance with ISO 1161 relating to the dimensions and location of corner fittings (horizontal plan view) and can be handled by the equipment used for lifting ISO containers.

ISO freight containers	Index	Size code designations of containers having a nominal length < 3 000 mm (10 ft)															
		To be allocated															
		These codes will be given later.															
Other containers	<i>L</i> < 3 000 mm (10 ft)	0	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
	Types of containers																
	<i>L</i> < 3 000 mm (10 ft)	5			52	53	54	55	56	57	58	59	60	61	62	63	64
Other containers	Internal volume of containers																

Annex G

Type code designation

The following table for other characteristics of containers, the type code, does not list all the possible characteristics of any one type of container. Indeed, for some types, individual categories have not been listed at all as it is considered that further detailed study is necessary before a satisfactory structure can be agreed.

Where alternative "spare" code numbers exist and where a code number is desired for a container having important characteristics not mentioned in the table below, it is recommended that the highest "spare" number in the appropriate block should be used pending further allocation of code numbers by the ISO/TC 104 Sub-Committees concerned.

Example

For a closed container which is not ventilated, and not a thermal or folding or air container, nor for any specific purpose, and which has characteristics significantly different from those envisaged on the designations of codes 00 to 04, use code 09.

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