



UNITED NATIONS
ECONOMIC COMMISSION FOR EUROPE

WP.24

November 7th 2012

Code of Practice for Packing of Cargo Transport Units



**ETS
CONSULTING**



UNITED NATIONS
ECONOMIC COMMISSION FOR EUROPE

WP.24

November 7th 2012

Bill Brassington

ETS Consulting

bill.brassington@ets-consulting.org



**ETS
CONSULTING**

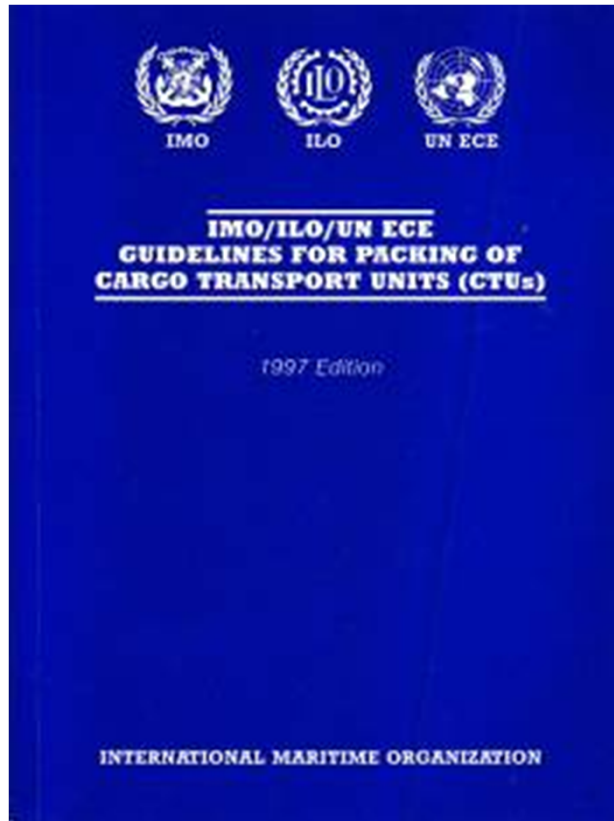


UNITED NATIONS
ECONOMIC COMMISSION FOR EUROPE

WP.24

November 7th 2012

IMO / ILO / UN ECE Guidelines for packing Cargo Transport Units (CTUs)



Scope

These Guidelines are essential to the safe packing of CTUs by those responsible for the packing and securing of the cargo and by those whose task it is to train people to pack such units. However, they are not exhaustive and other sources of information may be relevant. Training is essential if safety standards are to be maintained. These Guidelines detail practical measures to ensure the safe packing of cargo onto or into CTUs. As such they are concerned with issues of safety and are not intended to address practical measures to enhance security, *per se*.

These Guidelines are not intended to conflict with, or to replace or supersede, any existing regulations or recommendations which may concern the carriage of cargo in CTUs. They do not cover the filling or emptying of tank containers, portable tanks or road tank vehicles, or the transport of any bulk cargo in bulk containers



UNITED NATIONS
ECONOMIC COMMISSION FOR EUROPE

WP.24

November 7th 2012

IMO / ILO / UN ECE Code of Practice for packing Cargo Transport Units (CTUs)

The Code of Practice

"Both guidelines and codes of practice are instruments that, without being binding nor imposing legal obligations upon member states, provide guidance to governments, employers and workers concerning a particular sector. They may be distinguished as follows. While guidelines aim to provide broad orientations, codes of practice are typically more detailed and technical. Codes of practice are intended to assist governments and employers' and workers' organizations in drawing up regulations and can thus be used as models for national legislation."



replace or supersede, any existing regulations or recommendations which may concern the carriage of cargo in CTUs. They do not cover the filling or emptying of tank containers, portable tanks or road tank vehicles, or the transport of any bulk cargo in bulk containers



UNITED NATIONS
ECONOMIC COMMISSION FOR EUROPE
WP.24
November 7th 2012

IMO / ILO / UN ECE Code of Practice for packing Cargo Transport Units (CTUs)

Group of Experts 1

Group of Experts 2

Submit Progress
report to DSC

Paper to IMO

DSC 17

Group of Experts 3

Final draft circulated

Final draft agreed

Submit final draft
To DSC

DSC 18

Final Draft revision

UN ECE WP 24

Group of Experts 4

UN ECE General session
ILO Governing Body

MSC 93

Agree final draft

Final Publication

Oct 2011

Apr 2012

Jun 2012

Aug 2012

Sept 2012

Oct 2012

Dec 2012

May 2013

Jun 2013

Sept 2013

Nov 2013

Mar 2014

May 2014



ETS
CONSULTING



UNITED NATIONS
ECONOMIC COMMISSION FOR EUROPE

WP.24

November 7th 2012

The Code of Practice

What format?

- **Simple**
- **Understandable**
- **Easy to get the right information**
- **Detailed when required**
- **One stop shop**



UNITED NATIONS
ECONOMIC COMMISSION FOR EUROPE

WP.24

November 7th 2012

The Code of Practice

What should it include?

- **General overview for general management**
- **Detailed information for supervision**
- **Detailed packing procedures for packing operative.**



UNITED NATIONS
ECONOMIC COMMISSION FOR EUROPE

WP.24

November 7th 2012

Box

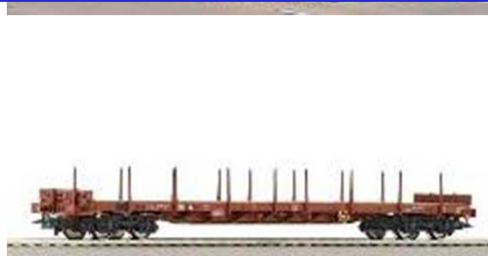
What are Containers and CTUs

Flat

Tank



These are all Cargo Transport Units
CTUs





UNITED NATIONS
ECONOMIC COMMISSION FOR EUROPE

WP.24

November 7th 2012

The Guidelines

(as modified by IMO)

Preamble

Scope

Definitions

1. General conditions
2. Visual inspection prior to packing
3. Packing and securing of cargo
4. Advice on the packing and securing of dangerous goods
5. Advice on receipt of CTUs
6. Basic principles for the safe handling and securing of CTUs
7. Training on packing of cargo in CTUs

Annexes

1. Condensation
2. Consequences of overloading of CTUs
3. List of relevant international organizations
4. Illustration of “Dos” and “Don’ts”
5. Topics to be included in a training programme



UNITED NATIONS
ECONOMIC COMMISSION FOR EUROPE

WP.24

November 7th 2012

The Code of Practice

Code of practice chapters:

Preamble

1. Introduction
2. Definitions
3. Key requirements
4. Consequences of improper packing
5. Chains of responsibility and information
6. General transport conditions
7. CTU properties
8. CTU suitability
9. Arrival, checking and positioning of CTUs
10. Packing cargo into CTUs
11. Additional advice on packing dangerous goods
12. On completion of packing
13. Advice on receipt and unpacking of CTUs
14. Training on packing of CTUs





UNITED NATIONS
ECONOMIC COMMISSION FOR EUROPE

WP.24

November 7th 2012

The Code of Practice

Code of practice annexes:

- **Acronyms**
- **Condensation damage**
- **Internal and external checks for freight containers**
- **Specific packing and securing calculations**
- **Practical inclination tests**
- **Cargo securing with dunnage bags**
- **Quick lashing guides**
- **Marine terminal operations**
- **Access to tank and bulk tops, working at height**
- **CTU Seals**
- **Receiving CTUs**



UNITED NATIONS
ECONOMIC COMMISSION FOR EUROPE

WP.24

November 7th 2012

The Code of Practice

Code of practice annexes (continued):

- **CTU types**
- **Packing marks**
- **Load distribution**
- **Minimising the risk of recontamination**
- **Manual handling**
- **Testing for hazardous gases**
- **Consequences of improper packing procedures**
- **Information flow**
- **Transport documents**
- **Approval plates**
- **Accessing CTUs**





UNITED NATIONS
ECONOMIC COMMISSION FOR EUROPE

WP.24

November 7th 2012

The Code of Practice

Significant changes

- **More content / bigger**
- **Brought up to date**
- **New chapters**
- **Wider scope**
- **Biosecurity references**
- **Improved H & S information**
- **More detailed information**





UNITED NATIONS
ECONOMIC COMMISSION FOR EUROPE

WP.24

November 7th 2012

The Code of Practice Under review

- **Chapter 7 – CTU Properties**
- **Chapter 10 – Packing cargo in CTUs**

Options:

- **Short chapter (3 pages) with extensive associated annex**
- **Longer chapter (22 pages)**



UNITED NATIONS
ECONOMIC COMMISSION FOR EUROPE

WP.24

November 7th 2012

The Code of Practice Under review

- **Chapter 7 – CTU Properties**
- **Chapter 10 – Packing cargo in CTUs**
- **Annexes 4, 6 and 7**



INTERNATIONAL
MARITIME
ORGANIZATION



UNITED NATIONS
ECONOMIC COMMISSION FOR EUROPE

**ETS
CONSULTING**



UNITED NATIONS
ECONOMIC COMMISSION FOR EUROPE

WP.24

November 7th 2012

Discussion





UNITED NATIONS
ECONOMIC COMMISSION FOR EUROPE

WP.24

November 7th 2012

For those that have, thank you for listening

Bill Brassington
ETS Consulting

bill.brassington@ets-consulting.org

“A well known lawyer, now a judge, once grouped witnesses into three classes: simple liars, damned liars and experts”

Nature Magazine November 26th 1885



**ETS
CONSULTING**