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# REGULATIONS <sup>(QCVN)</sup> & STANDARDS <sup>(TCVN)</sup> *of* **LIFTS IN VIETNAM AND INITIATIVES**



**VNEA**  
VIETNAM ELEVATOR ASSOCIATION  
CONNECTION • UNION • ADVANCEMENT

REGULATIONS <sup>(QCVN)</sup> & STANDARDS <sup>(TCVN)</sup>  
*of* **LIFTS IN VIETNAM  
AND INITIATIVES**



CONTENT

- 01 **Regulations <sup>(QCVN)</sup> & Standards <sup>(TCVN)</sup>**
- 02 **Initiatives - TCCS**
- 03 **Suggestion**

# National technical regulations for lifts (QCVN)






No.	Regulation codes	Regulation names	References	Status
(1)	QCVN 32:2018/BLĐTBXH	National technical regulation on safe work for homelift	TCVN 6395:2008 TCVN 6396-2:2009 WITHDRAWN	 ACTIVE
(2)	QCVN 32:2018/BLĐTBXH	National technical regulation on safety for lift	TCVN 6396-20:2017 TCVN 6396-50:2017 TCVN 6396-21:2013 (2020)	 ACTIVE





**TCVN**  
NATIONAL STANDARDS

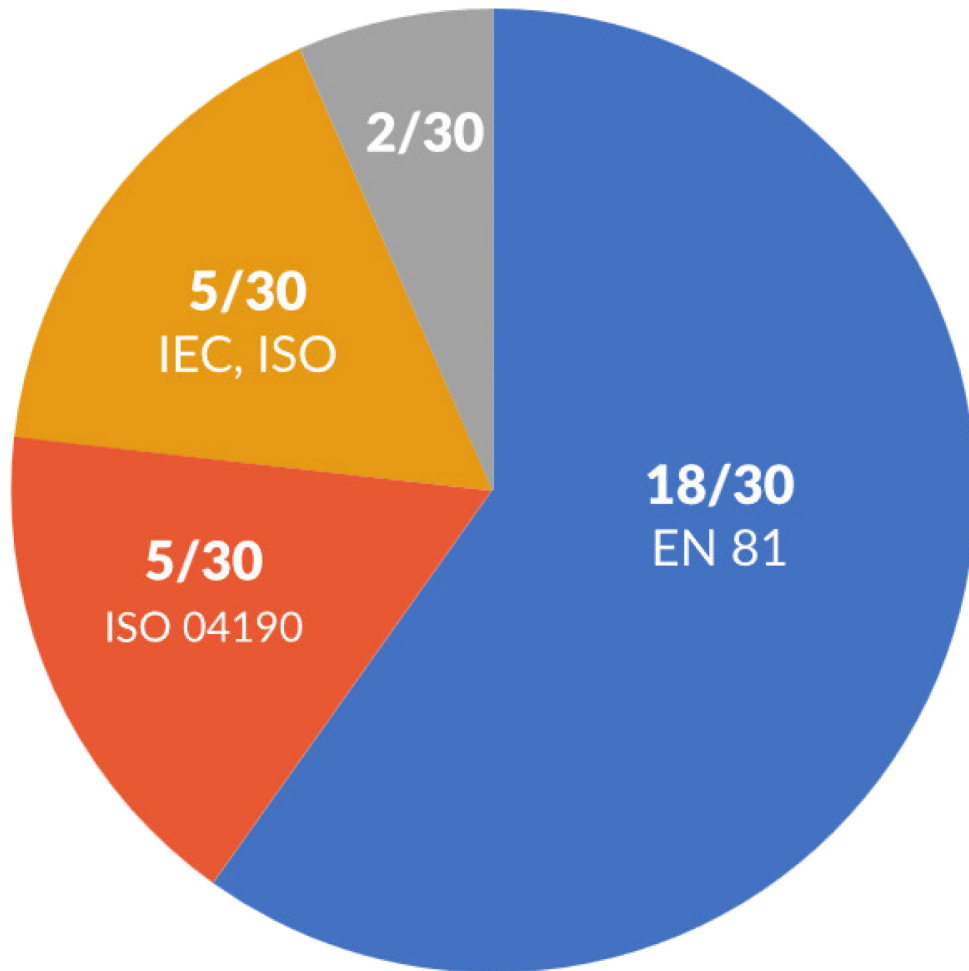
# The first set of Standard codes (TCVN) for Lifts in Vietnam

No.	Standard codes	Standard names	Status
(1)	TCVN 5744:1993	Lift - Safety requirements for installation and use	 WITHDRAWN
(2)	TCVN 5866:1995	Lifts – Safety mechanisms	 <b>ACTIVE</b> <i>(The oldest active TCVN)</i>
(3)	TCVN 5867:1995 (2009)	Lifts. Cabins, counterweights, guide rails. Safety requirements	 WITHDRAWN
(4)	TCVN 6395:1998 (2008)	Electric lift. Safety requirements for the construction and installation	 WITHDRAWN
(5)	TCVN 6396:1998 (2008)	Hydraulic lift. Safety requirements for the construction and installation	 WITHDRAWN

Note: Vietnam has referred to EN81 to build the TCVN since 1998

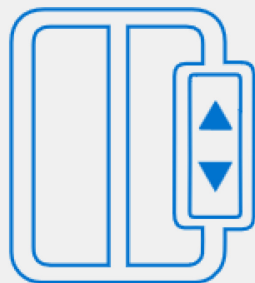
# Latest national lift standards (TCVN)

No.	Standard codes	Standard names	Identity
(1)	TCVN 6396-20:2017	Safety rules for the construction and installation of lifts – Lifts for the transport of persons and goods – Part 20: <b>Passenger and goods passenger lift</b>	<b>EN81-20:2014</b>
(2)	TCVN 6396-50:2017	Safety rules for the construction and installation of lifts – Examinations and tests – Part 50: <b>Design rules, calculations, examinations and tests of lift components</b>	<b>EN81-50:2014</b>
<b>Note: The 2 most popular and comprehensive standards (TCVN) for lifts in Vietnam and in other countries. They are also fully compatible (IDT) with EN 81-20 and EN81-50.</b>			
(3)	TCVN 6396-31:2020	Safety rules for the construction and installation of lifts – Lifts for the transport of persons and goods – Part 22: <b>Electric lifts with inclined path</b>	<b>MOD EN81-21:2014</b>
(4)	TCVN 6396-40:2020	Safety rules for the construction and installation of lifts – Special lifts for the transport of persons and goods – Part 43: <b>Lifts for cranes</b>	<b>MOD EN81-40:2014</b>
(5)	TCVN 6396-22:2020	Safety rules for the construction and installation of lifts – Lifts for the transport of goods only – Part 31: <b>Accessible goods only lifts</b>	<b>MOD EN81-22:2014</b>



## Distribution of 30 Vietnam lift standards

-  **TCVN 6396**  
*Safety rules for the construction and installation of lifts*
-  **TCVN 7628**  
*Lift installation*
-  **Some other TCVN (IEC, ISO)**  
*Safety Requirements for (lift) Equipment*
-  **TCVN 690X**  
*Test Methods*



## Lifts

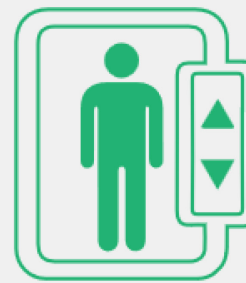
### Design & Production ▶ Installation

TCVN 6396 (EN 81) Safety Rules  
for Construction and Installation

TCVN 7628 (ISO 04190) Lift  
Installation

Some other TCVN (IEC, ISO)  
Safety requirements for equipment

TCVN 6904/6905 Test methods



## Lift users

### ▶ Lift Operation & Usage

TCVN 6396-20:2017 includes  
some items for lift operation

EN 13015:2001 (2008)  
Rules for maintenance instructions

**Only Maintenance guidelines for Lift operation  
& Usage from the lift manufacturers. There are  
“NO” or “YES BUT INCOMPLETE”  
safety standards on lift operation and usage.**



## IN CONCLUSION

**QCVN & TCVN are focusing on safety  
in terms of design and installation.**

**There are “NO” or “YES BUT INCOMPLETE”  
safety standards on lift operation and usage.**

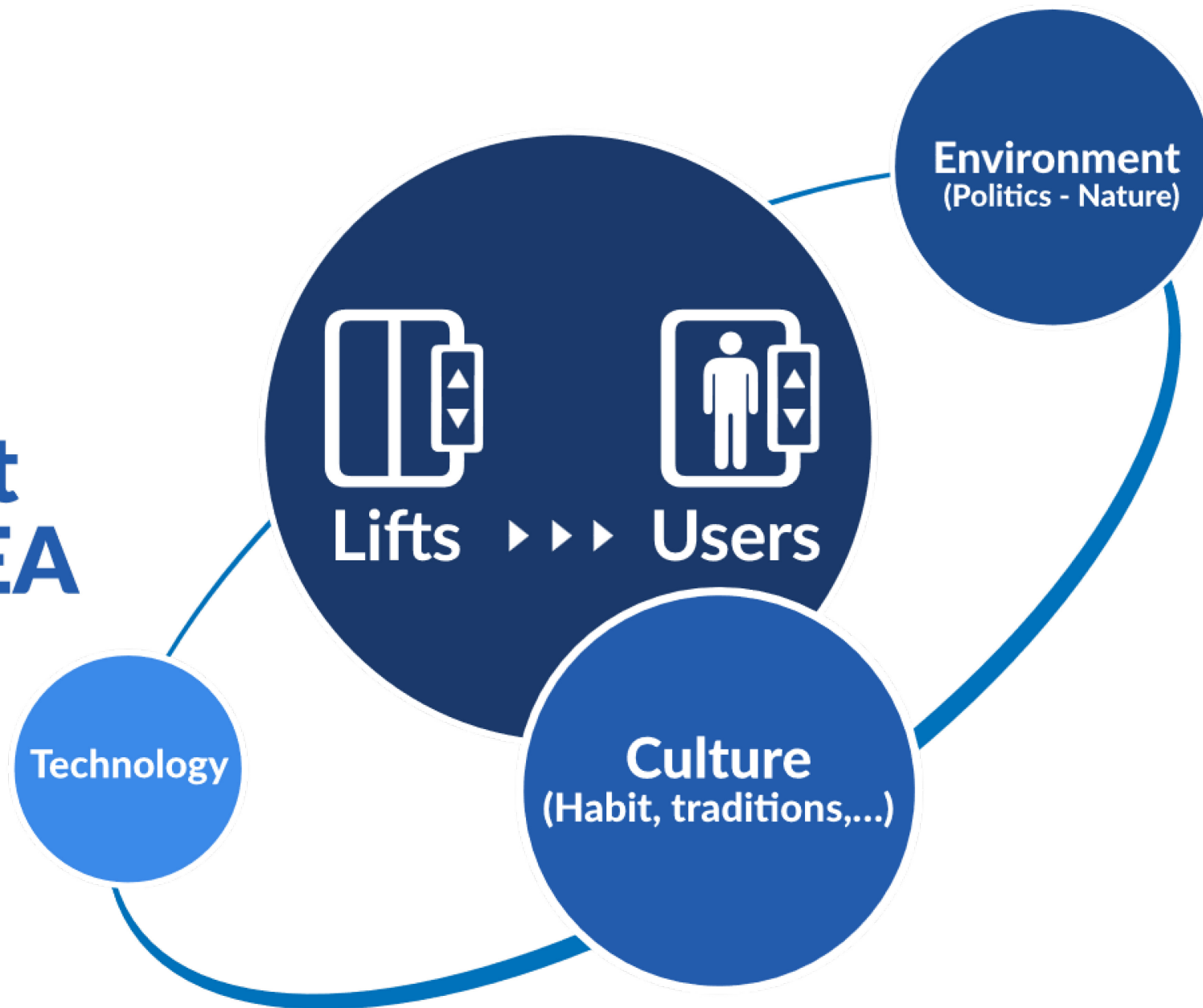
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# Initiatives - TCCS

# What is TCCS?

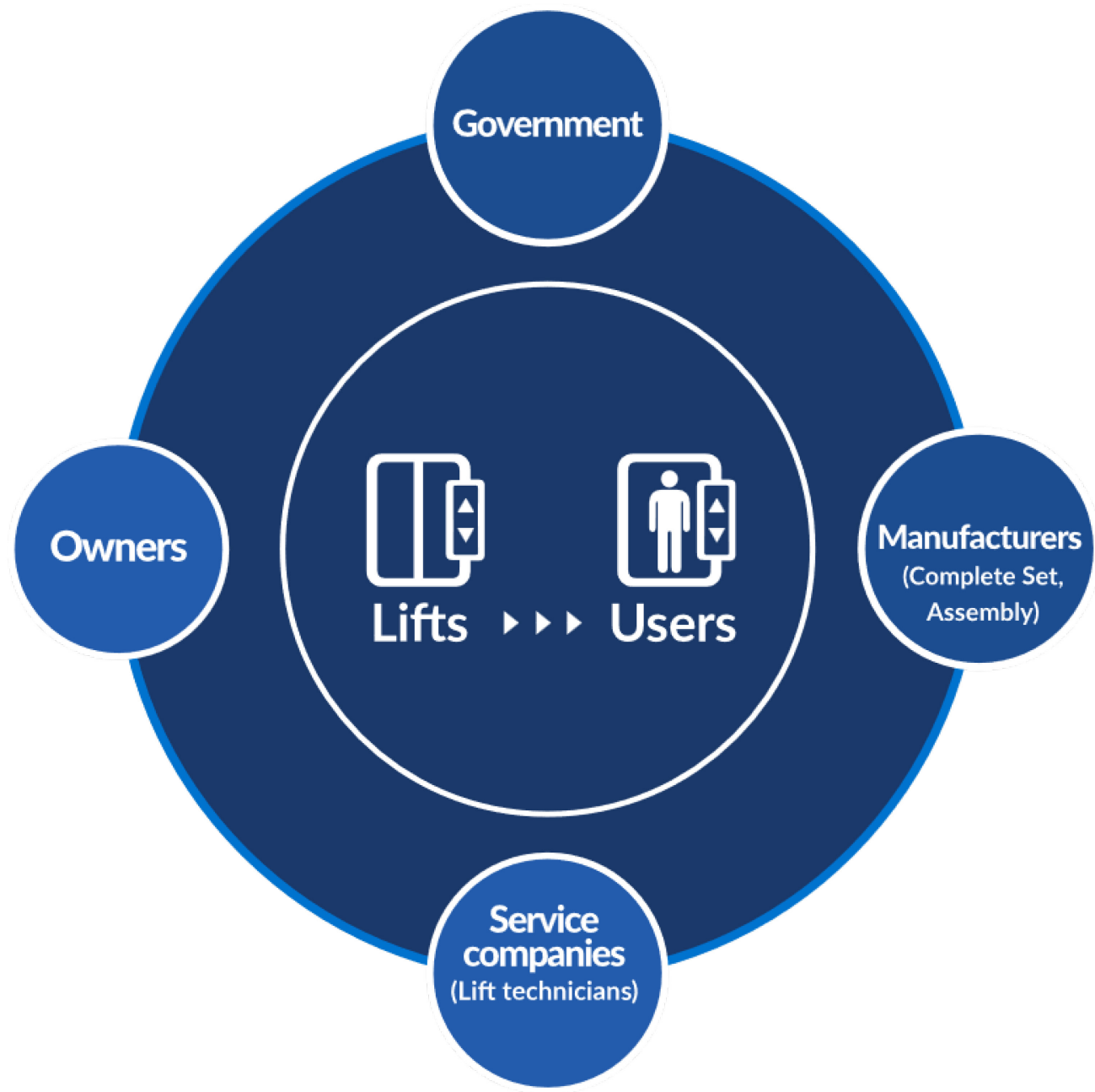
- TCCS is a part of Vietnam's system standards.
- TCCS include standards which are announced by economic organizations, socio-professional organizations, state agencies, and public service units to apply to their own activities.
- TCCS is only applied within the scope of management of the organization announced TCCS and is applied voluntarily.

## 3 factors affect the TCCS/VILEA





# Objects affect the TCCS/VILEA



# Approaching method for TCCS/VILEA

- Conform to Vietnam National Regulations (QCVN)

- Conform to Vietnam National Standards (TCVN)

- Focusing on the safety regulations of lift operation that is still lacking in current Vietnam national regulations & standards

# Benefit when applying TCCS/VILEA



## GOVERNMENT

Establish the budget and rates for repairing/maintenance

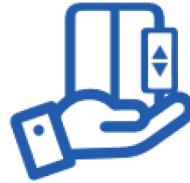


## MANUFACTURERS

Make manuals, relevant documents and provide operation instruction for lift using

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Establish the production and business plans



## OWNERS

Establish the budget and rates for repairing/maintenance

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Organize departments to manage and operate the lifts

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Use lifts properly



## USERS

Use lifts properly



## SERVICE COMPANIES

Make manuals, relevant documents and provide operation instruction for lift using

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Establish the production and business plans

# 4 main topics of the TCCS/VILEA family

No.  
1

Standard names

**General safety rules for lift management, using, maintenance and repairing**

Content

Rules ensure the safety and durability of lifts (Lifespan of lift components)

Regulation codes:

TCVL 2301-01:2023/VILEA

Estimated time of Draft completion

July 2023

**VNEA has completed to issue the Draft.**

No.  
2

Standard names

**Requirements for Lift occupational skills**

Content

Knowledge and Skill requirements of Lift technicians in operation, maintenance technicians/experts. (Occupational skills standards)

Regulation codes:

TCVL 2302-01:2023/VILEA

Estimated time of Draft completion

November 2023

No.  
3

Standard names

**Requirements of Labor productivity norms for lift maintenance and repairing**

Content

Work items of lift maintenance and repairing; time norms and knowledge/skill requirements. (Labor productivity norms)

Regulation codes:

TCVL 2302-02:2024/VILEA

Estimated time of Draft completion

March 2024

No.  
4

Standard names

**Requirements of standard componentsi for Lift maintenance and repairing**

Content

Requirements for service companies on supplying spare parts for lift maintenance, repair and rescue works. (Materials norms)

Regulation codes:

TCVL 2301-02:2024/VILEA

Estimated time of Draft completion

November 2023



# The completed DRAFT TCCS/VILEA TCVL 2301-01:2023/VILEA



# Contents of the completed Draft **TCCS/VILEA** (TCVL 2301-01:2023/VILEA)

## MAIN CONTENTS

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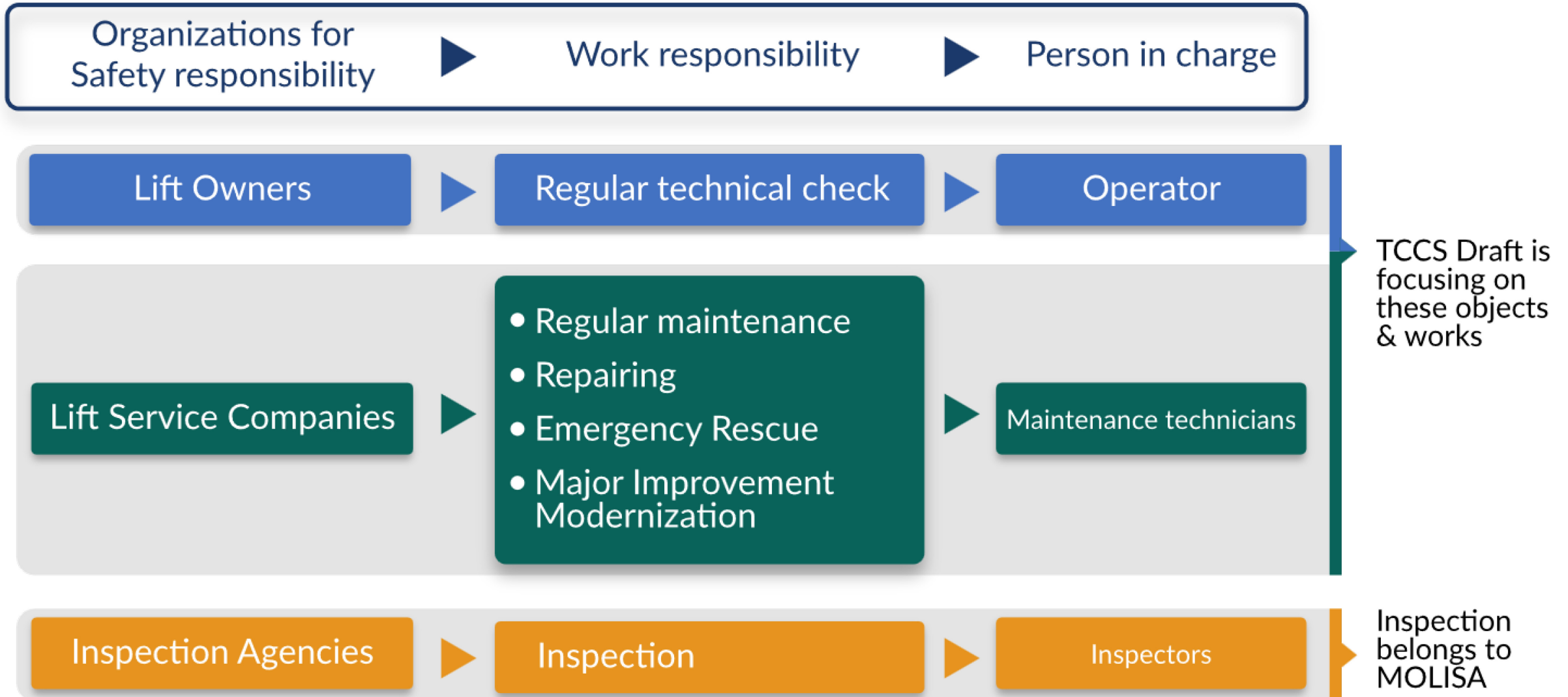
- 1** The compulsory works in lift operations
- 2** Requirements to lift owners & lift users
- 3** Requirements to lift service companies
- 4** Requirements of skill and knowledge of technician

## APPENDIX

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- A** Recommendation in lift maintenance
- B** Recommendation of lifespan of quick consumable components
- C** Recommendation of lifespan of main components

# The TCCS/VILEA draft is focusing on these objects & works



03

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# Suggestion



1. VNEA expects more comments and suggestions for a better Draft TCCS/VILEA.

2. Sharing your documents, materials of lift management, operation, maintenance, repairing

3. Conformity assessment in Vietnam faces many difficulties due to lack of testing equipment, social awareness and capability of assessors. Therefore, VNEA would like you to share your experiences from your countries in applying regulations and standards more effectively



**THANK YOU FOR YOUR ATTENTION!**

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**Q & A**

