

# PALEA News Letter

10 – March -- 2013

Vol - 14 Issue – 01



## PACIFIC ASIA LIFT AND ESCALATOR ASSOCIATION

**This Newsletter is brought to you by the Management CoMmittee (MCM) of PALEA.**

The aim of this news letter is as follows:-

- To keep members informed of current and future developments in local and international standards, codes and regulations that impact our industry.
- To update the members regarding the latest news that affect our industry.
- To form a platform to discuss and exchange ideas relating to:
  - Local codes
  - International codes
  - Product safety
  - Risk Management

P.Gurumoorthy  
Editor -- Newsletter  
Secretary -- PALEA



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**PALEA Information Seminar Attendees – Beijing, Jan 2013**

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## Chairman's Message.



The lift industry is now entering a very interesting and exciting era in terms of code development. For some time there has been an effort by ISO to remove global technical barriers to trade that can be created through code activity. ISO/TC178, the technical committee for developing lift and escalator codes, has had a project in place for some time now to achieve this result in the lift industry which has the general support of the industry and of course PALEA.

The objective of the project is to develop a single suite of global performance and prescriptive codes for lifts and escalators with the ultimate goal that that products can move freely from country to country without been subjected to unnecessary technical barriers. As the same codes may be used globally this will ultimately lead a simplification of the conformity assessment process whereby a product can be approved once and then used everywhere.

ISO/TC178 produced a suite of standards in its ISO 22559 series commencing with a performance based standard in the form of a technical specification (part 1) that was published in 2004. This standard was included in the USA new technology standard and as a standard in China. This was soon followed by part 2 which included safety parameters that could be used to support part 1 and parts 3 & 4 which deal with the requirements for procedures of conformity assessment and the duties and accreditation requirements for laboratories that assess products designed to part 1 respectively. Part 1 has recently been converted to a full ISO standard and is due to be published shortly which should rapidly open the path to wider adoption. ISO/TC178 has also developed a risk assessment process (ISO14798) to support the conformity assessment of products designed to the ISO performance standard.

At the same ISO has been working on merging the three major world lift prescriptive standards i.e. ANSI, CEN and JIS standards by comparing differences and offering a single solution to the differences. This work is due for completion at the same time as the completion of the new EN81 parts 20 & 50 (June 2014) and then ISO will use these documents with the view of producing a single global ISO prescriptive code which will complete the ISO 22559 suite as part 6 and is targeted for completion in mid to late 2017. Input for this new standard has been gathered on a world –wide basis through an agreement between the ISO and CEN organisations. This will result in a complete and comprehensive suite of global lifts standards, that if universally adopted will result in an industry free from technical barriers. Many Asia Pacific countries have been involved and committed in the development of this suite of codes. However to reap the full benefit of these endeavours PALEA recommends that all countries in the Region should seriously consider embracing this suite of codes as their national lift standards.

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PALEA held information seminars in different Asian countries during the year 2013.

- Beijing, China
- New Delhi, India
- Kuala Lumpur, Malaysia.
- Singapore.
- Jakarta, Indonesia.

TOKYO TOWER



PALEA Seminar -- Tokyo, Nov 2012



## PALEA Management Committee Members.



IAN TODKILL



P.GURUMOORTHY



MORINOBU MIURA



ITO KAZUMASA



TAKAYAKI UNNO



DEREK ROBERTS



HELMY YUSOFF

## South Korea Introduces A New Inspection Standard For All Lifts.

South Korea has introduced a new Korean Lift Inspection Code (MOSPA Notification No. 2012-14) based on EN81-1:1998+A3 which took effect from 15<sup>th</sup> September 2013. The new inspection standard replaces the existing standards for both MRLs and lifts with machine rooms and covers all electric lifts irrespective of lift well and machine room configuration. The new inspection does not include the requirements for PESSRAL but these requirements will probably be included sometime in the future. Otherwise, the standard follows EN81-1:1998+A3 reasonably closely but there are a number of other differences, the most significant are as follows:

- Landing doors will be subjected to a pendulum test and will be required to withstand a kinetic energy of 450J without displacement of the door panels.
- Door protection requirements have been made more stringent.
- The average weight of a passenger is considered to be 65 kilograms.
- Minimum car area sizes based on the number of passengers is significantly smaller than that allowed in EN81.
- More stringent requirements for car emergency lighting.
- Clearances between the lift car and lift well are more stringent than those required in EN81.



Despite these differences this is a large step forward in the harmonisation of standards in the Asia Pacific region which will help to reduce technical barriers in the region and PALEA is privileged to have played a part in this process. A detailed list of the differences will be listed in the members section of the PALEA website

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## Revision of EN81-1&2 (=>EN 81-20/50)

- EN 81-20 -- Passenger and goods passenger lifts
- EN 81-50 -- Examinations, calculations & tests of lift components

### Main inputs

1. Text of EN 81-1 & EN 81-2 and Amendments
2. Comments outstanding from previous revisions
3. Interpretations
4. Comments from the International interest groups
  - a. *Asia Pacific*
  - b. *North America, etc*
5. Standardisation requirements
  - a. *CEN Guides 4,6,12, CEN Guide 414*
6. Studies and reports
  - a. *HSL (safety spaces), KESI (door strength), etc.*
7. Legislative
  - a. *Lifts Directive, Machinery Directive, Low Voltage Directive*
8. Comments from the European interest groups
  - *EU Commission*      - *Notified Body for Lifts*
  - *CEN Consultant*      - *Trade Associations → ELA, ELCA, EFESME, etc.*

### Comments (#3000) received from:

<b>C E N  M e m b e r s</b>	1) Austria	<b>I S O  M e m b e r s</b>	1) China	<b>AH 17 Me mh</b>
	2) Belgium		2) Japan	
	3) Denmark		3) South Korea	
	4) Finland		4) United States	<b>Col lect ed by P A L E A</b>
	5) France		5) Australia	
	6) Germany		6) Hong Kong	
	7) Ireland		7) India	
	8) Italy		8) Indonesia	
	9) Netherlands		9) Malaysia	
	10) Norway		10) New Zealand	
	11) Portugal		11) Singapore	
	12) Spain		12) Taiwan	
	13) Sweden		13) Thailand	
	14) Switzerland		14) Vietnam	
	15) United Kingdom			

Answers to all comments - APR 2013

Final draft completed - SEP 2013

Launch of Formal Vote - JAN 2014

Closing of Formal Vote - MAR 2014

Publication by CEN - JUN 2014

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## NOTES ON ISO PLENARY MEETING – APR 2013



- **ISO/TC 178 PLENARY MEETING HELD IN NEWYORK, USA.**
- **Dates 22<sup>nd</sup> To 26<sup>th</sup> April 2013**
- **WG4, WG5 & WG6 meetings also held during the same period.**
- **As many as 23 resolutions were passed.**
- **One important development was to “Drafting of an International Standard on Lifts in Wind Turbines”, corresponds to real safety & market needs.**
- **Next meeting ISO/TC178 Plenary will be hosted by South Africa in October 2014.**
- **Confirmation of ISO 9386-1 “Power operated lifting platforms for persons with impaired mobility – Rules for safety, dimensions and functional operation – Part 1: Vertical lifting platforms”**
- **Confirmation of ISO 9386-2 “Power operated lifting platforms for persons with impaired mobility – Rules for safety, dimensions and functional operation – Part 2: Powered stair lifts for seated, standing and wheelchair users moving in an inclined plane”**



*New World Trade Center*

