

# PALEA News Letter

July -- 2017

Vol - 19 Issue - 01



## PACIFIC ASIA LIFT AND ESCALATOR ASSOCIATION

### President's Message.



Graham Worthington

This is my first newsletter in the capacity of the President , Pacific Asia Lift and Escalator Association, PALEA, and in saying this, it is a distinct honor and a privilege to be representative of such a highly respected, hardworking, and extremely valuable team. Whom under the leadership of Ian Todkill for almost 2 decades, have worked tirelessly to improve and promote the safety of lifts and escalators through code improvements, harmonization, participation in ISO activities and working with other Associations, Elevator Industry members and Government bodies both regionally and worldwide.

Ian as we know is a founding member of PALEA and served as President for the whole period, up to his retirement in December 2016. It goes without saying that Ian's contribution, hard work and influence on the members of the PALEA Region has resulted in a significant amount of improved safety of our products and the keystone to code harmonization amongst the Asia Pacific Region.

I have been very fortunate to have worked with Ian for many years in his other capacity as Director Codes – Asia Pacific Area for Otis, and I know firsthand that Ian is held in extremely high regard by all of those that knew him and worked with him during his various projects across the Globe. His delightful personality and expertise in the lift industry overall, will surely be missed. On behalf of the PALEA Management Committee, we wish Ian and his lovely wife Lana, a long and very happy retirement, and also congratulations on the arrival of their first grandchild, Hayley on April 12th.

PALEA has played a significant role in the development of ISO lift codes with its members participating in ISO meetings and representative on various working groups with 2017 being a memorable year for the Lift Industry as a whole, as the release of ISO 8100 series is well on track and we should see first publication in December 2017.

The development of the ISO Standard 8100 series, through very close cooperation of ISO and CEN is central to the Global development and Harmonisation of Elevator Codes and Standards. This road to harmonisation is also supported by major Elevator Trade Associations and Lift Industry members from around the world.

The three documents were voted on simultaneously as they are inter-dependent, with the ballot closing December 5th 2016. The outcome of which was a resounding positive result and is testament of the hard work and dedication to safety of elevator products by the CEN and ISO communities, plus the various Elevator Associations worldwide.

In the past 12 month we have seen a lot of activity in Asia Pacific with regards to countries either moving too, or planning to move to EN 81-20 & 50, these Countries include, Australia, China, Hong Kong, Japan (ISO 8100), Malaysia, New Zealand, South Korea, Singapore Taiwan with Singapore also releasing a new escalator code , SS 626: 2017 which is based on EN115:2008 + A1:2010.

The PALEA team looks forward to working with you all on our future Seminar events in Asia Pacific.

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## Editors View.

This Newsletter is brought to you by the Management Committee of PALEA

New Technologies and Maintenance Practices are coming into the Elevators and Escalator Industry. There are Innovative Products being introduced across the globe.

We at PALEA aim

- To keep you all updated of current trends & developments in technology
- Consequent to this, the developments in Codes and Standards across Globe and specific to Asia Pacific
- To provide a platform to discuss and exchange ideas related to
  - Local codes and International Codes
  - Safety of the users and the technicians.
  - Risk Management of New Technologies.
- To collect your views and communicate to Global Standards Organization like ISO, CEN, Etc.

*P. Gurumoorthy*

*Editor – Newsletter*

*Secretary -- PALEA*



**GRAHAM  
WORTHINGT**



**DEREK  
ROBERTS**



**Parthasarathy  
GURUMOORT**



**ITO  
KAZUMASA**



**HIDEO  
FUKUYAMA**



**KATSUNORI  
HAKOZAKI**



**ERIC  
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## PALEA MENAGEMENT COMMITTEE MEMBERS

## PALEA INFORMATION SEMINAR - HANOI - JUNE 2017





GERO GSCHWENDTNER

## *EN 115 – ESCALATOR CODE UPDATE*

EN 115-1 „Safety of escalators and moving walks — Part 1: Construction and installation”

The purpose of this standard is to define safety requirements for escalators and moving walks in order to safeguard people and objects against risks of accidents during installation, operation, maintenance and inspection work.

EN115-1 was the first time released in 1983 and is currently used not only in Europe but also in many other countries in the world. The current version is from 2008 with an Amendment in 2010. This version was also taken over from China, where CEN as a cooperation with SAC. During this phase CEN got several feedback from different stakeholders to eliminate typing errors, improve the wording of the text and incorporate proposals resulting from interpretations which resulting in the decision to revise EN115-1.

Within this revision work all suggestion for improving have been integrated but also the need to reflect changes to the state of the art has been considered, which resulted in the following new requirements:

- new structure for electric requirements with clauses for protective, safety and control devices and functions;
- requirements for step inserts/fixings;
- expansion of operational brake by electrical braking;
- update on test material for skirting;
- inclusion of fire protection requirements;
- introduction of 2-direction-mode;
- inclusion of a stop switch indicator;
- introduction of inspection control actuated by the use of both hands;
- description of barriers to prevent access of trolley;
- requirements for fixed devices in the unrestricted area;
- inclusion of seismic design requirements;

EN115-1 will be sent out for final voting within CEN at the beginning of next year. Expected publication is then mid 2017 with a transition period of 18 months.

## *ISO PRESCRIPTIVE CODE*

One of the key initiatives of ISO and CEN is to create ISO Prescriptive Codes based on EN 81, which will in effect create a Global standard that accommodates input from all worldwide users.

ISO 8100-1 and ISO 8100-2 mirror CEN EN 81-20 and 81-50 respectively, and these ISO documents will replace the CEN documents as we move forward.

Moreover, ISO TS 8100-3 provides a summary of Requirements that need to be addressed in place of or in addition to ISO 8100-1 and ISO 8100-2 in order to achieve equivalency to A17.1/B44 as well as the Building Standard Law of Japan (BSLJ).

ISO TS 8100-3 will thus be very helpful to users outside of North America and Japan who look to provide their product in these regions. Over time ISO TS 8100-3 will serve to focus areas for further harmonization on a worldwide basis.

## *Code Situation in Japan*

- ***Notification of elevator and escalator periodic-inspections amended by MLIT  
(Notification No.283/2008, Amended Notification No.1179/November 1, 2016)***

Notification No.283/2008 of elevator and escalator periodic-inspections was amended by the Ministry of Land, Infrastructure, Transport and Tourism, hereafter MLIT, and this has enforced from April 1, 2017.

The main amended contents are as follows.

- Strengthen the checking-method of contacts of the main contractor,
- Added-checking of brake-plunger stroke,
- Added-checking of abrasion-status of sheave-groove,
- Added-checking of status of governor-rope, and
- Strengthen of the checking-method of escalator drive-chain. These items are countermeasures to prevent the accidents occurred in the past. By this amendment, this will contribute to improve the safety of existing elevators

- ***Notification of firefighter's service elevators amended by MLIT(Notification No.1413/2000, Amended Notification No.601/June 2, 2017)***

Machine Room-less elevator with Traction-machine and Control-panel above the top floor has been allowed as firefighter's service elevators by Notification No.1413/2000. In this time, this notification was amended by MLIT at June 2, 2017, and Machine Room-less elevator with Traction-machine and Control-panel between the top and the bottom floor is also allowed as firefighter's service elevators by having the degrees-of-protection against ingress-of-water of IPX 2 or more.

- ***Developments of JIS A 43XX-1/JIS A 43XX-2***

JIS A 43XX-1/JIS A 43XX-2 are based on ISO 8100-1/ISO 8100-2\* and revised to comply with the Building Standard Law of Japan, and these will publish at the end of 2018. Differences between ISO 8100-1/ISO 8100-2 and JIS A 43XX-1/JIS A 43XX-2 will also publish as ISO/TS 8100-3.

\*ISO 8100-1/ISO 8100-2 are prescriptive safety standard for lifts equivalent to EN 81-20/EN 81-50.