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ELA

NEWS

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CONTENTS

- Editorial by Esfandiar Gharibaan: What's on the horizon in terms of normalization 1
- New AFNOR (CEN – ISO) contacts 2
- General Assembly 2011 in Naples 3
- Safety of existing lifts in France: results show the way forward 4
- Asansör in Istanbul 5
- Accessibility map in progress..... 6
- ELA AWARD to Norway 6
- Statistics 2010 are available..... 6
- In Brief..... 7
 - Seismic norm EN 81-77 in progress (Lifts subject to seismic conditions)..... 7
 - Energy efficiency recommendation, by the ELA Energy WG..... 7
 - Conference in China..... 8
 - REACH Summary 8



Esfandiar Gharibaan,
Chairman CEN/TC 10

EDITORIAL

European standardisation for lifts CEN/TC 10 Work Program

By Esfandiar Gharibaan, Chairman CEN/TC 10

Standards have an important role in the lift industry by defining the requirements for safety, accessibility and energy efficiency. They are also means to obtain compliance to the lift related legislations.

CEN/TC 10 have been entrusted with developing standards for lifts and over the years we have developed a comprehensive set of standards, covering a wide range of applications and needs.

Current CEN/TC 10 work program not only includes several new standards, it also takes into account the maintenance of the published standards which is necessary to ensure that they remain relevant and up to date. Main items in our program include:

EN 81-1/2:

Revision of EN 81-1 and EN 81-2 is probably the biggest project that we have undertaken since the first publication of EN 81-1 in 1978. In this revision, we are considering many aspects of the current requirements and we have a wide range of proposals for technical changes.

This revision will result in two new standards, EN 81-20 and EN 81-50 and we expect to launch the CEN Enquiry for those standards around September this year. A CEN Enquiry is an opportunity for all interested parties to review the proposed changes in detail and provide

comments. Do not miss this opportunity!

EN 81-1 and EN 81-2 will be withdrawn after the publication of EN 81-20 and EN 81-50 by the end of the transition period, of which the duration will be finally decided during the Formal Vote.

CEN/TS 81-11:

CEN interpretation is an important means of helping to settle disagreements amongst different parties on how to apply a particular clause of the standards.

To make sure that the information reaches everyone as soon as an interpretation is approved, AFNOR, secretariat to CEN/TC10, has developed an Internet web page

and those interpretations are available to the public via the link http://portailgroupe.afnor.fr/public_espacenormalisation/AFNORP82A/en.htm?langue=en.

Interpretations remain on this web page until they are published in CEN/TS 81-11.

EN 81-12:

We had planned to develop an EN standard for Risk Assessment for lifts as EN 81-12. ISO/TC 178 has already published ISO 14798: Risk assessment and reduction methodology, which is widely used by the lift profession worldwide.

In the last CEN/TC 10 Plenary, we decided to





adopt ISO 14798 as an EN standard instead of developing the planned EN 81-12.

EN81-22, Electric lifts with inclined path, has passed the CEN Enquiry and we are now preparing for Formal Vote which is expected to be launched at the latest in April 2012.

EN 81-70:

Our main standard for accessibility, EN 81-

for example the general current practice in many European countries is "not to use" the lift is case of fire.

Developing the document as Technical Specification (TS) gives the opportunity to all CEN member countries to introduce the topic without the obligation to withdraw the conflicting National standards, if there are any or change their current practices immediately. After gaining a few years

topic for our standardisation work. We have considered available standards, reports of the damages caused by earthquakes and scientific and academic studies from all over the world in formulating the requirements of EN 81-77.

There is also much interest outside Europe, especially in the Asia Pacific region for this standard. We are making sure that the non-European users of our standards are fully aware of the requirements of EN 81-77 and we will incorporate their comments in the developing of this standard.

ISO 25745-1:

Energy measurement and conformance is a joint project between CEN/TC 10 and ISO/TC 178. CEN and ISO approval processes are running in parallel and the standard will be published as ISO and EN-ISO standards simultaneously.

The second CEN Enquiry for ISO/DIS 25745-1 has been passed and the ISO working group is answering the comments. Next step is to launch the Formal Vote.

ISO/TC 178 is also working on ISO/DIS 25745-2: Classification.

As you see, the CEN experts have a lot to do in the coming months and years.



70 was published in 2003 and in general we have a very positive experience with its application. However, the technologies and practices related to accessibility have moved forward and we need to make sure that our standard remains up to date.

In addition, we have seen the introduction of several national regulations that formulate different requirements than EN 81-70, in contradiction with the European legislative system for lifts.

In order to get an overall understanding of the current application of this standard, CEN/TC 10 has launched a questionnaire to all National Standardization Bodies (NSBs) and other stakeholders. Based on the results of this questionnaire, CEN/TC 10 will propose relevant action to update the EN 81-70 standard, whether to revise it, make an amendment or confirm the current edition.

CEN/TS 81-76, Evacuation of disabled persons using lifts, is another document in preparation. Emergency evacuation of buildings using lifts is a new concept as

of experience in application of CEN/TS 81-76, we will review the TS and will transform it into a European Standard (EN).

CEN/TS 81-76 has passed the voting of TC10. We had received many comments that we have incorporated into the final document. We expect to publish the TS before the end of this year.

CEN/TS 81-82:

Another accessibility-related document is CEN/TS 81-82. Improvement of the accessibility of existing lifts for persons including persons with disability. We have initiated the process to transform the TS into an EN standard.

EN81-72:

We are revising EN 81-72, fire-fighters lifts, to provide wider definition and better description for the fire protected lobbies. This is a rather big change and needs careful analysis and risk assessment. We are also aligning the EN 81-73 with EN 81-72.

EN 81-77:

Lifts subject to seismic condition, is a new

New AFNOR (CEN – ISO) contacts

Many of our readers know Gaël Chollet-Meirieu, who was the secretary at AFNOR in Paris for both the CEN and ISO organisations for lifts & escalators. Gaël gets new responsibilities within AFNOR and is replaced by **Eva Contival** (eva.contival@afnor.org), with the same responsibilities.

Eva is assisted at AFNOR by **Ghislaine LOUZAOUEN** (ghislaine.louzaouen@afnor.org). It will be a pleasure working with them.



Eva Contival



NAPLES 2011, GENERAL ASSEMBLY

An excellent vintage!

The General Assembly 2011 for ELA and EEA, took place on April 6 and 7 in Naples, at the invitation of the Italian association AssoAscensori.

Hotel Vesuvio in the heart of the bustling city, was a perfect location for the yearly event of the European associations. The number of Italian delegates in attendance

presentation was dedicated to the challenge that improving the energy efficiency represents for the components manufacturers. Indeed, lift manufacturers need a major effort being done by the producers of the components used, in order to reduce consumption, both in standby (the most important area of improvement)

French lift federation. The French case is particularly striking since the first phase of retrofits (5 years ending in December 2010) divided the number of serious and fatal accidents by 3! (see following article).

The third topic was accessibility, and the guest speaker was Ivor Ambrose, the Managing Director of ENAT (www.accessibletourism.org) who presented the challenges and potential gains of making tourism fully accessible in Europe. Demographics and the improvement of human rights are powerful driving forces to supply the great variety of accessible provisions needed, from the travel offer, to transport, accommodation, facilities, but also diet meals, attraction, excursion, car services, etc...



An attentive audience

was expectedly higher than for other locations in Europe and the presence of delegates from all over Europe was high despite the fact that Naples is not a capital and the air connections are not as easy as for other major cities in Europe.

The event was the occasion for organizing the yearly ELA conference. This year, the Board had decided to touch on 3 main topics: safety, accessibility and energy efficiency.

For energy efficiency, the speaker was Roberto Beccalli, from ANIE Assoautomazione – UCIREV, whose

and in function. With its 870,000 lifts installed, the speaker estimated that the total electricity consumption of lifts is about 1,950 GWh.

His final recommendations were to size the car correctly for load and speed, to properly size the high efficiency motor, to use an inverter and to use regeneration systems where applicable. He reckoned some €3,240 could be saved for each installed direct drive motor with inverter.

The second topic covered was safety, with a speech co-presented by Philippe Lamalle and Jean-Luc Detavernier, both from the



Roberto Beccalli speaks about electrical motors and their energy efficiency



Ivor Ambrose during his speech on accessible tourism



People with disabilities are not only citizens in wheelchairs, far from it! The speaker insisted on the fact that investment costs are often exaggerated and not well understood. Access is not a problem, but a golden opportunity, especially in our ageing societies. The total potential travel market represents 133 million tourists and a business opportunity of €89 billion! It is really worth looking into it. Being practical,



Ivor Ambrose gave his audience of lift & escalator experts several business cases across Europe, which clearly indicated the potential of accessible tourism for our industry.

Message well understood!

SAFETY OF EXISTING LIFTS: the French connection

The safety of existing lifts is and remains the first goal of our activities across Europe. With some 5 million lifts installed, and half the stock being older than 20 years, lift manufacturers have a lot to do to make the existing lifts safer.

SNEL, the safety norm for existing lifts (EN 81-80) has not yet been used everywhere in Europe to filter the existing safety legislation and improve legal texts, to make sure all of the 74 risks to users and mechanics listed in the norm are covered. Countries such as Austria, Spain, Germany or France have progressed well in the last few years and set the right example for governments in other European countries. Indeed, the European Commission is only responsible, with the Lifts directive, for new lifts, built after 2000. For older lifts, it is the national legislation which applies.

The best example for all is probably France, since its situation was in a way worse than

that in many other countries; France having the oldest lift stock in Europe. After a series of dramatic fatal accidents involving children, Minister Gilles de Robien passed legislation in 2003, in a record time, to make all lifts safe, whatever their date of installation. The French SAE legislation was put in place, with its application decrees, detailing 3 periods of 5 years for the application of the law: the most important transformations to be made by the end of 2010 for the first "slice" of the work to do. Results show the way forward.

Jean-Luc Detavernier, General Secretary of the French federation and Philippe Lamalle, Member of the ELA Board, and represent-



The table showing the dramatic fall in serious and fatal accidents over the last 5 years especially



Philippe Lamalle and Jean-Luc Detavernier during their presentation of the "French case" in Naples

ative of France, made a very interesting presentation at the Conference organized in Naples, for the General Assembly of ELA. The "French case" as they presented it, was very interesting to all since it gives the first glimpse into the impact of the modernization effort on the safety for both users and workers. And there, the results are clear-cut! Users' serious and fatal accidents were divided by 3 over the last

decade, with a fast decline since 2005, when SNEL (SAE legislation) was first applied. Moreover, the accidents of users still occurring, took place on installations that had not yet been upgraded for safety. In total, since 2000, the industry reckons that 85% of the serious and fatal accidents could have been prevented by the SAE legislation (Sécurité des Ascenseurs Existants). If nothing had been done, the

number of accidents would have probably doubled.

For workers, fatal accidents were reduced by 40%. But one must add that only 20% of the accidents are covered by the SAE legislation, so the result is excellent there too. Modernization and installation of new lifts are not covered by the legislation.

In conclusion, the French lift industry applies the French SAE legislation and is in the process of harmonizing the safety level for lifts of all generations, from the oldest ones to the most recent, falling under the Lifts directive (since 2000). The first phase of safety improvements is nearly completed. Owners got one more year to finalize the most important phase, but the government told all parties that the dates of the next 2 phases (2013 and 2018) would not be changed. Compulsory maintenance contracts and technical controls by third parties every 5 year complement the legislative arsenal put in place in France. It is the perfect example for countries where nothing much has happened yet.

Asansör in Istanbul

The 12th Lift & escalator exhibition in Istanbul every 2 years is gaining in importance each time. The last Asansör fair took place on 14-17 April last and was a great success, as usual. Asansör hosted 400 companies from 37 countries. Among the presentations, which obtained a great

success among the Turkish manufacturers present, were a presentation by Dr. U. Stricker-Berghoff, from VFA, presenting the German market, a debate with the well-known experts, Ian Jones, Christian de Mas Latrie and Esfandiar Gharibaan,



with a debate moderated by ELA President Michel Chartron.

W. Adldinger, Chairman of ELA Components Committee, presented the Amendment A3 and its implementation.

The enlarged fair grounds, in the suburbs of Istanbul, have welcomed 24,126 visitors from 60 countries this year. No surprise, since it is the perfect location, linking Europe, the former Russian republics, the Middle East and the Gulf States area.

A great vintage.

The Asansör fair in Istanbul was a great success

Wolfgang Adldinger, Chairman of ELA Components Committee





Accessibility map in progress

ELA is preparing a map showing the application of vertical and horizontal accessibility legislation in Europe. Unfortunately there is no common European legislation on the accessibility of the built environment. Even the height of residential buildings from which a lift is made compulsory varies from country to country and even from one region to another. The idea is to collect all information on these various national or regional legislations and identify the best practices, to push for the optimum in terms of accessibility across Europe.



A first draft of the accessibility map is being finalized by ELA, for all to comment.

ELA award to Norway



Svein H. Kjaernet receives the ELA Award for the Norwegian association

The ELA Award for 2010 goes to the Norwegian association HLF for its efforts at promoting SNEL and training of lift technicians in their country. Thanks to the action of the lift & escalator association, the Norwegian government has issued a Recommendation (ISSN 0802-9598) in 2009 containing 21 recommendations to owners, for applying SNEL. In 2010, an Initiative was launched towards the Minister of Local Government and Regional Development and the National Office of Building Technology and Administration to apply the SNEL recommendation in connection with the new building law of July 1, 2010, and to prepare and achieve guidance and interpretations

according to the relevant elevator standards, regulations and directives.

On the training & education front, technical courses were completed for members of the association and affiliated companies regarding the building law and regarding universal design.



Statistics 2010 are available



Ebru Gemici-Loukas during the presentation of the 2010 statistics

The statistics for 2010, published traditionally on the day of the General Assembly where they are presented by Ebru Gemici-Loukas, chairwoman of the Statistical Committee, are available on the "Members only" section of the ELA website. You can access them with your entry code if you are a member of one of the ELA member associations. If you don't have or don't remember your code, please contact Carol Stroobants at ELA (c.stroobants@ela-aisbl.org).



IN BRIEF

Seismic norm EN 81-77 in progress



Paolo Tattoli and Nickos Spyropoulos

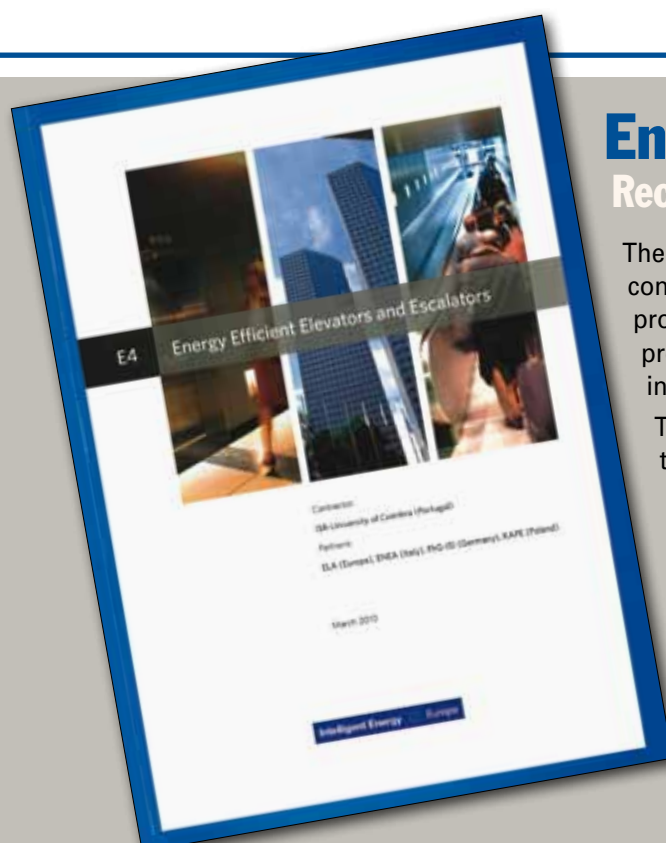
In several regions of Europe, earthquakes are unfortunately frequent. We all have in mind the L'Aquila earthquake in central Italy in April 2009, or the very recent earthquake in Lorca, near Murcia southern Spain on May 12th, 2011. Greece, Turkey, Spain and Italy are the most affected regions. No wonder that our colleagues from the Italian, Greek and Turkish associations are very interested by the development of a new CEN norm: EN 81-77, on lifts subject to seismic conditions.

The norm is now at the stage of public enquiry. Its main goal is to make evacuation of lift users possible, at the moment that the earthquake strikes. The WG in CEN is presided over by Paolo

Tattoli (CEN/TC 10 WG1 WT5 President) and ELA expert from Kleemann Greece, Nickos Spyropoulos is a member of the team.



Because of frequent earthquakes, some regions of Europe need lifts built specially to resist these terrible tremors and save the life of users on board the lift



Energy efficiency

Recommendation, by the ELA Energy WG

The E4 report, presented in 2010 at the Berlin conference, contains a chapter dedicated to what could be done, to improve lift efficiency on lifts. This section of the report was prepared by Fraunhofer, the well-known consultancy firm in Germany, with substantial help from the ELA experts.

The WG Energy & Ecology has revisited this chapter at the request of the ELA Board and made the list more practical. Where should you start? Where can you get the best results easily? What are the "low hanging fruits" to deal with first? All questions that the ELA Recommendation deals with are available under "Energy efficiency" on the Members only section of the ELA website (www.ela-aisbl.org)



IN BRIEF

Conference in China

The Chinese lift authorities organized a conference in Hang Zhu in early May, on the well-known site of the "Yellow mountain". At this symposium, several of our experts were speaking to an audience of Chinese lift and component manufacturers, about the progress in world standardization.

Michel Chartron, President of ELA presented the Global Technical Barrier-Free Trade initiative to the Chinese counterparts. The Chairman of CEN/TC10, Esfandiar Gharibaan was also in attendance, as well as Korean, Japanese and Australian delegates.

The objective of harmonizing norms at a worldwide level around the new version of EN 81, once it will have migrated to ISO is now much better perceived by the Chinese lift industry.



REACH Summary

REGISTRATION, EVALUATION, AUTHORISATION AND RESTRICTION OF CHEMICALS

REACH is the European law on chemicals and their safe use. It deals with the Registration, Evaluation, Authorisation and Restriction of Chemicals. It is based on the concept of TRACEABILITY of chemical substances. Producers of chemicals, whether basic chemicals or complex chemical products must pre-register the substance they produce with the European Chemicals Agency (ECHA).

The lift & escalator industry is clearly NOT DIRECTLY impacted, but all companies in the lift, escalator & moving walk industry, use chemicals and substances that need to be registered (by their producers or importers) under REACH.



The most evident substances that need to be referenced are:

- Oils (lubricating oils, oil used in hydraulic applications,...)
- Paints, surface treatment substances
- Plasticizers (DEHP) (for ex. for travelling cables and compensation chain covers)
- Cleaning substances, etc...

Lift & escalator manufacturers are "downstream" chemical users, so they must apply the safety measures communicated by their supplier via a Safety Data Sheet or carry out a Chemical Safety Assessment (CSA) themselves if need be (if they import, for ex.).

Make sure your suppliers know about your uses so they can include them in their CSA! (see ELA website, members only section).