

# The New Zealand LIFT FAX

The New Zealand Lift Fax is produced bi-monthly for the NZ lift industry. Just send your email address to LEC to subscribe.

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## WHAT'S GOING UP or DOWN THIS MONTH:

### MARTIN SHEPHERD DEPARTS:

Virtually since the Auckland office of Kone Elevators P/L was opened in the mid 80's, Martin Shepherd has been an integral part of its operation, taking on many levels of responsibility over his 17 years with the company. For probably the last decade, Martin has led the NZ operation, but now has decided to take on new challenges with Chubb in their Systems and Service division. This seems to be a growth industry in NZ at present, providing "One Stop Shop" mechanical service and inspection services to building owners. We wish Martin and family all the best in his new challenge, and I'm sure he will still be keeping a close eye on the lift industry in this new job. Be kind to us Martin . . . !

### SIMON WARD FILLS IN FOR ROHAN:

With Rohan Kelly leaving KONE'S Christchurch office last month, technician **Simon Ward**, after a 3 year break following 10 years of maintenance and adjusting at Schindler & Otis in Christchurch, has returned to the industry. Simon joins the present ChCh staff of **Alan Wilby** and **Mike Boydd** to provide a formidable team once again. I understand Simon has been working for Carter Hold Harvey in their industrial maintenance division as a sparky. **Welcome back Simon.**

## EDITORIAL.

### LOYALTY- ONCE A STRONG PART OF THIS INDUSTRY:

The Japanese were the epitome of loyalty to the company . . . . in the past!

And gradually over my lifetime I have seen the destruction of the security of being loyal in the lift industry, too now where if we are not satisfied, "goodbye, I'm off"!

Not that I'm suggesting you shed a tear, it was our choice to annihilate it. Not necessarily those least secure who most needed its embracing protection from unemployment, but from those most able to enjoy its fruits, who had achieved positions of responsibility and reward within the organisation. And the higher they rose, the more they demanded it of others, and the less they saw the need to give it to those they oversaw.

Loyalty was never something you could expect, it was something you gave.

**"No longer given, no longer received".**

They don't care so I don't care! So who will care?

It seems to me that if we don't care we don't exist, because there is simply no reason too.

A simple human trait that is dying if not dead in this industry, and yet I wonder what importance did it play?

How important was it to you, were you hurt and devastated when it was not given? Have you broken your link because of your experience? Maybe it is more important than we think! Ed.

### RON PEREZ SETTLES IN:

I think Ron achieves the title of person to feature in the most headlines over the past 6 months. Firstly with Derek Bryson departing Otis and Ron holding the reins, then Ron being enticed to KONE as their Regional Sales Manager, and now in finally being appointed to fill Martin Shepherds position upon his departure.

Maybe not as dry as Martin in humour, but he brings a wealth of experience and respect from those he has worked with in the past, so all goes well for an interesting future, and I think I can say, Ron will settle at last.

**All the best Ron.**

Footnote:

But what of Grace Weslowski who was overseas when this appointment was seemingly agreed. . . . we will just have to wait and see.



**TL JONES AT INFRASTRUCTURE AUST 2005:**

TL Jones, Australasia's leading manufacturer of elevator safety products, will be displaying its Microscan range of door sensors at Infrastructure Australia 2005.

Established more than 70 years ago, TL Jones is part of the UK-based Halma Group, world leaders in infrared sensor for lift doors. In addition to its factory in Christchurch, TL Jones has a manufacturing base in China and supplies lift companies in over 50 countries from an extensive network of sales offices, service centres and distributor partners.

[www.tljones.com](http://www.tljones.com)

**When:** 28<sup>th</sup> -20<sup>th</sup> July Melbourne Australia.

**Where:** Melbourne Exhibition and Convention Center  
2 Clarendon Street, Melbourne.

[www.expotrade.net.au/infra](http://www.expotrade.net.au/infra)

**THE BUILDING ACT 2004 AND CBIP D2 QUALIFICATION:**

These thoughts were proposed to the CBIP following issues raised in regard to the proposing of a simple but suitable competency certification structure to meet the industry needs under the Building Act 2004.

**1.0 INTRODUCTION:**

It is understood that the structure that evolved under the 1991 Building Act using the IQP certification process for lift inspections, only singularly detailed the annual WOF process as the experience level necessary for these inspectors. This placed a high reliance on the many Territorial Authorities inexperienced in the lift inspection process, to register inspectors and regulate a process throughout NZ that they were totally unfamiliar with.

With no Building Act recognition of the CBIP certification, and removal in 1992 of the centralised MOT inspection process, it was only through foresight by the Timaru based South Island IQP Registration body who recognised the CBIP certification, that some semblance of consistency emerged in the South Island of NZ.

Again, with the introduction of the Building Act 2004 and the structuring of the Licenced Building Practitioner (LBP), the CBIP certification has been overlooked as the most suitable industry recognised certification structure, to identify the necessary levels of expertise for the lift inspection process within NZ.

With the nationalising of the LBP structure, the CBIP certification can set suitable levels of consistent industry experience necessary to achieve the varied audit levels critical to meet the local TA's needs in both the Consent design testing, inspection and documenting of D2 equipment, and the Compliance Schedule annual WOF inspections.

The DHB needs to recognise the CBIP D2 Lift inspector levels, for the TA to then be able to register CBIP lift inspectors to complete the specific Consent or WOF process in their respective area.

**2.0 WHERE TO FROM HERE:**

D2 Mechanical Means of Access in NZ covers a wide range of equipment complexity and requires a comparative level of expertise to ensure competent and efficient inspection. The Consent process also has to be clear, consistent, and documented efficiently so that ongoing compliance can be established and maintained.

All these areas fell well short under the 1991 Act, mainly because "experience" didn't play a strong enough role in the compliance process, and the lift industry wasn't encouraged to participate.

**3.0 CERTIFICATION EQUIPMENT TYPE RESTRICTIONS:**

By the adoption of speed and escalator restriction, the experience necessary to inspect differing complexities of equipment found in NZ buildings can be catered for, enabling a tiered level of inspector skill to be accommodated.

Example types of equipment that fit the restriction categories.

Level ONE <i>with endorsement: &lt; 0.2 m/sec</i>	Level TWO
Platform lifts (vertical )	Passenger & Goods lifts
Hand powered lifts.	Escalators
Stair Lifts (Chair & Platform)	Autowalks or Moving Walks
Inclined Lifts (Cable car )	
Special purpose lifts	
Domestic lifts	
Service lifts	
Building Maintenance Units	

**4.0 CERTIFICATION LEVELS:**

As proposed, there needs to be singular, clear process confirmed by the DHB and adopted by all TA's in both areas of Consent and annual WOF.

This process can be defined by the CBIP Lift Inspector Examination Panel, and approved by the Lift Industry through the NZ Lift & Escalator association (NZLEA) as a functional certification process for the industry.

As well, there needs to be acceptance of a single (CBIP) two level certification for D2 Consent and annual WOF, with a building size endorsement to cater for a 2 tier industry equipment complexity level as follows:-

**CBIP Level ONE with speed limit endorsement**

- For equipment < **0.2 m/sec in speed.**
- This level is suitable for testing, inspecting and documenting D2 equipment under the - **Consent and annual WOF process** for small less complex equipment.

**CBIP Level ONE.**

- For all D2 equipment.
- This level is suitable for inspection and documenting D2 equipment for - **Annual WOF only.**

**CBIP Level TWO - with escalator restriction endorsement.**

- This level is suitable for testing, inspecting and documenting D2 equipment with the exception of escalators and autowalks for the - **Consent and annual Annual WOF process.**

**CBIP Level TWO**

- For all D2 equipment.
- This level is suitable for testing, inspecting and documenting all D2 equipment under the - **Consent and Annual WOF process.**

**5.0 COMPETENCIES FOR EACH CERTIFICATION LEVEL:**

**5.1 CBIP Level ONE with restricted speed endorsement <0.2m/sec.**

- *Meet the eligibility requirements as set out in the CBIP pre examination document.*
- *Complete a CBIP application including a letter of*

*endorsement from a specific lift equipment manufacturer or manufacturers agent pertinent to the application.*

- *Provide confirmation from a Level 2 inspector as having commissioned and demonstrated competency in testing of the specific equipment.*
- *Pass a written examination demonstrating knowledge of Building Act Consent and WOF processes and documentation.*

**5.2 CBIP Level ONE inspector.**

- *Meet the eligibility requirements as set out in the CBIP pre examination requirements.*
- *Complete a CBIP application including a letter of endorsement from a D2 equipment manufacturer, manufacturers agent or D2 Level 2 lift inspector pertinent to the application.*
- *Pass a written examination demonstrating knowledge of NZ Approved Solutions along with Building Act WOF processes and documentation.*

**5.3 CBIP Level Two with restricted escalator - autowalk endorsement.**

- *Meet the eligibility requirements as set out in the CBIP pre examination requirements.*
- *Complete a CBIP application including a letter of recommendation from the NZLEA confirming experience and competency at testing lift equipment.*
- *Pass a written examination demonstrating a knowledge of NZ Approved Solutions, along with Building Act Consent and WOF processes and documentation.*

*Hold a minimum Electrical Service Technicians Level B with the Electrical Workers Registration Board.*

- *Have a basic knowledge of welding flaws and welding inspection methods.*
- *Have completed the Barrier Free course.*

**5.4 CBIP Level 2.**

- Meet the eligibility requirements as set out in the CBIP pre examination requirements.
- Complete an CBIP application including a letter of recommendation from the NZLEA confirming experience and competency at **testing lifts and escalator/autowalk equipment.**
- Pass a written examination demonstrating a knowledge of NZ Approved Solutions, along with Building Act Consent and WOF processes and documentation..
- Hold a minimum Electrical Service Technician Level B with the Electrical Workers Registration Board.
- Have a basic knowledge of welding flaws and welding inspection methods.
- Have completed the Barrier Free course.

**6.0 BUILDING ACT AUDITS & RECORDS:**

The approved solutions adopted for D2 under the BIA are very prescriptive and not specifically designed for a Performance Based code, and so inspection and testing procedures detailed tend not to be specifically relevant to the records necessary for efficient Governance of this whole industry.

There are two areas of record necessary for efficient functioning of the Act:-

- C the first is an audit trail of documents retained by the TA to confirm design and installation compliance of the equipment during the consent process.
- C the second is to provide an accessible record of the code under which the unit was given consent, a specification of equipment, and manufacturer approved maintenance and annual inspection check list to enable the TA to produce a useful compliance schedule, and to complete annual WOF inspection too.

The second record of the above needs to be easily accessible to all inspectors, and to provide a historical record of all equipment in NZ. This data would preferably be centralised and Internet accessible for access to be efficient at anytime, from anywhere, to be fully useful.

To ensure an efficient and useful record, the various equipment providers to the lift industry, need to produce clear guidelines acceptable to the DBH of relevant specifications, testing, and inspection processes necessary to meet the compliance requirements of the Building Act. These processes then need to be adopted nationally for use by all TA's to ensure consistency of process for D2 compliance NZ wide.

**7.0 CONCLUSION:**

The solutions are there, the CIBP from its past experience can identify and provide the necessary industry acceptable standard of certification of persons; the lift industry can compile an efficient Consent and WOF process; the DHB can ratify both and can present it to the TA's for acceptance as a common, consistent D2 compliance process for NZ.

It is time to act if we are to see a sensible lift compliance solution within the lift industry. If you are concerned then put your experienced view forward to either:-

- CBIP Peter Hayward [iqc@hera.org.nz](mailto:iqc@hera.org.nz)
- DBH [juliet.ashton@dbh.govt.nz](mailto:juliet.ashton@dbh.govt.nz)
- CBIP Lift Panel Chairman:
  - Richard Meikeljohn [richard.m@xtra.co.nz](mailto:richard.m@xtra.co.nz)
  - Lifteye Consultancy [bob@lifteye.co.nz](mailto:bob@lifteye.co.nz)

**DBH RELEASES LICENCE CLASSES PROPOSAL:**

- The proposed licence classes consist of:
- ? three building design licences based on building complexity.
  - ? three building site supervisor licences based on building complexity.
  - ? six specialist licence classes across all categories of building complexity.
  - ? Category 1 - straight forward design and construct.
  - ? Category 2 - complex design and construction.
  - ? Category 3 - buildings of considerable tech.complexity.

Lifts will come under broader highly specialised category that incorporates restricted work that will be supervised and signed off by the building site supervisor who will take all reasonable steps to ensure the work is undertaken by competent practitioners.

Where the work involves an engineering solution, the work will be supervised and signed off by the design engineers. For more details visit the **Occupational Licensing** page on the DHB website: [www.building.govt.nz](http://www.building.govt.nz)