

Our Ref: APPBCA-2021-01

Electrical and Mechanical Engineering Group

11 January 2021

See Distribution List

Dear Sir/Madam

ADOPTION OF SS 550:2020 (CODE OF PRACTICE FOR INSTALLATION, OPERATION AND MAINTENANCE OF ELECTRIC PASSENGER AND GOODS LIFTS) AS ACCEPTABLE SOLUTION FOR COMPLIANCE WITH FIFTH SCHEDULE OF THE BUILDING CONTROL REGULATIONS

Objective

The purpose of this circular is to inform the industry on the adoption of SS 550:2020 as the acceptable solution for compliance with the requirements for the design and installation of lifts under Fifth Schedule of the Building Control Regulations.

EFFECTIVE DATE FOR IMPLEMENTATION OF SS 550:2020 – CODE OF PRACTICE FOR INSTALLATION, OPERATION AND MAINTENANCE OF ELECTRIC PASSENGER AND GOODS LIFTS

2 The SS 550:2020 - Code of Practice for Installation, Operation and Maintenance of Electric Passenger and Goods Lifts was launched on 8 January 2021 at the Webinar: SS 550:2020 Code of Practice for Installation, Operation and Maintenance of Electric Passenger and Goods Lifts, organised by Enterprise Singapore. At the Webinar, BCA also announced that it would adopt the revised SS as the acceptable solution for compliance with the design and installation requirements for lifts under the Fifth Schedule of the Building Control Regulations.

3 This circular informs the industry of the adoption of SS 550:2020, with a six-month grace period for the industry to transit from the existing SS 550:2009 (Amendment 2 & 3, 2017) to SS 550:2020.

4 A key requirement in the SS 550:2020 is the type examination of the safety components (see **Annex A**) specified in the SS in accordance with EN81-50. It should be noted that, for the purpose of complying with the Fifth Schedule of the Building Control Regulations – the type examination must be performed by a Certification Body

(CB) which is accredited for the specific components. See **Annex B** for the list of CBs currently available.

5 For the purpose of application for Certificate of Statutory Completion (“CSC”) or Temporary Occupation Permit (“TOP”), a valid copy of the type examination certificates for the relevant components must be included in the application.

6 With effect from 1 July 2021, any lift proposed in a project whose first set of plans (either building plans or structural plans, whichever is earlier) is submitted to the Commissioner of Building Control for approval under the Building Control Act on or after this date will have to comply with SS 550:2020, including the type examination requirements highlighted at **paragraph 4** of this circular.

For further information and clarification

7 For further information or clarification, please submit your enquiry through BCA’s Online Feedback Form at <https://www.bca.gov.sg/feedbackform/> or call us at 1800 342 5222.

Yours faithfully



TEO ORH HAI
GROUP DIRECTOR
ELECTRICAL AND MECHANICAL ENGINEERING GROUP
for COMMISSIONER OF BUILDING CONTROL

ANNEX A

List of Items Considered as Safety Components	
1.	Landing door and car door locking device
2.	Safety gear
3.	Overspeed governor
4.	Buffer
5.	Safety circuits containing electronic components
6.	Safety circuits containing programmable electronic systems in safety related applications for lifts (PESSRAL) ¹
7.	Ascending car overspeed protection (ACOP)
8.	Unintended car movement protection (UCMP)
9.	Rupture valve/one-way restrictor (for hydraulic lifts only)

¹ For PESSRAL type examination, BCA has assessed that the following certification bodies listed in ANNEX B to be capable of performing the certification.

ANNEX B

List of Certification Bodies Available

From European Union (EU)

Refer to the below link for the full list of Certification Bodies under EU

https://ec.europa.eu/growth/tools-databases/nando/index.cfm?fuseaction=directive.pdf&refe_cd=2014%2F33%2FEU&requesttimeout=900

From China

1.	Shenzhen Institute of Special Equipment, SISE
2.	National Elevator Inspection and Testing Centre, NETEC
3.	Shanghai Jiaotong University Elevator Testing Centre, SJUETC
4.	National Elevator Quality Supervision and Inspection Centre (Guang Dong)
5.	National Elevator Quality Supervision and Inspection Centre (Zhe Jiang)
6.	National Elevator Quality Supervision and Inspection Centre (Chong Qing)
7.	China Special Equipment Inspection and Research Institute

List of Certification Bodies Accredited for PESSRAL Type Examination Certification

1.	Liftinstituut B.V.
2.	TUV SUD Industrie Service GmbH
3.	Shenzhen Institute of Special Equipment, SISE
4.	National Elevator Inspection and Testing Centre, NETEC
5.	Shanghai Jiaotong University Elevator Testing Centre, SJUETC
6.	National Elevator Quality Supervision and Inspection Centre (Guang Dong)

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