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Scope and objectives



Scope

Based on Formal Vote version of prEN 81-44 from March 2022

Objectives

- Inform about prEN81-44 project status
- Highlight main new / updated requirements that may need to be taken care of in advance to publishing of standard

prEN81-44 Status



Status

- Draft for Formal Vote was sent to CMC for review and starting the translation process (approx. 3 months) last August 2021.
- After HAS consultant review, evaluation was negative, so draft has been updated. It is expected to send this updated FV version draft to CMC at latest, next 4th April 2022.

Next Steps & Milestones

- Formal Vote phase will start during April 2022
- The estimation from the submission of the Formal Vote to the publication is about 26 weeks
- Publication estimated during Q4 2022

Note: all dates above are based on updated project planning

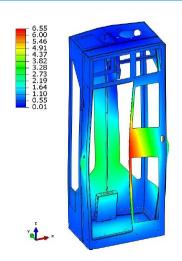
Main new / updated requirements



Main new / updated requirements

- Bucket type lifts are not longer allowed. Landing protection fences shall feature landing gates with interlocking system interlocking system fixed fences not allowed.
- Landing gates for ladder guided lifts shall be self-closing.
- Load combinations and partial safety factors are more demanding than current standard lifts' structure shall be reinforced.
- Higher performance level in some safety elements: e.g PLr = d carrier door interlocking system, PLr = d in obstruction devices for ladder guided lifts double channel.
- New specific integration clearances requirements: safe spaces above, below and surrounding the carrier's lift, maximum distance from carrier to evacuation ladder 1100 mm.
- Specific warning plates / labels shall be located in landing fences.
- · Updated terminology.









Avanti's lifts accord. to prEN81-44

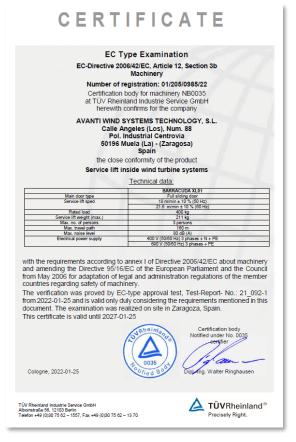


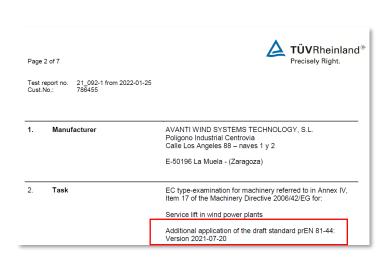
Avanti's lifts according to prEN81-44

- One available model already certified (CE marked) and designed according to prEN81-44 requirements.
- A new model in progress (available during 2022).



Barracuda XL01





EU-Declaration of Conformity for Machinery

Directive 2006/42/EC, Annex II, A

Manufacturer: Avanti Wind Systems Technology, S.L.

Calle Angeles (Los), 88 - Pol. Ind. CENTROVIA

50198 Muela (La) - Zaragoza - Spain

Phone: (+34) 976 149 524 Fax: (+34) 976 149 508

herewith declares that the model of the following machinery consisting of:

Service Lift model: Barracuda XL01 Serial Nº: <serial number>

Manufacturing Date: <DD/MM/YYYY>

installed and checked by an authorised person according to the manual supplied with the service lift in the following wind turbine, and fulfilling the integration requirements of drawing:

AD00005563

Wind Farm: <Wind farm name> Tower No: <WTG Number>

is in conformity with the provisions of the Machinery Directive 2008/42/EC as amended at the time

- is in conformity with the provisions of the following additional EU-directives as amended at the time

of the declaration

Electromagnetic compatibility 2014/30/EU

- conforms to the following standards:

EN 1808:2015 Safety requirements on hanging personal lifting equipment; Calculation,

stability, building tests:

EN 60204-1:2018 Safety for machinery; Electrical equipment of machinery; Part 1: General

requirements;

- conforms to the following other standards or specifications:

rEN 81-44:2021 Safety rules for the construction and installation of lifts - Special lifts for the transport of

persons and goods - Part 44: Lifting appliances in wind turbines (version 2021-07-20)

conforms to the model, which has received the EC Type examination certificate with the registration number 01/205/0985/22, issued by the following notified body, on 2022/01/25:

TÜV Rheinland Industrie Service GmbH, TÜV CERT certifying body for Machinery, Nr. NB0035.

Responsible for documentation: Germán Sacramento

Address: Los Angeles 88 Nave 1 ES-50198 La Muela Phone: +34 976 14 95 24

Place: La Muela
Date: <dd/mm/YYYY>

Signature:

Name: Germán Sacramento Identification: Technical Director





THANKS FOR YOUR ATTENTION ANY QUESTION?