

WHAT IS THE STATE OF COMPLIANCE OF SCISSOR LIFTS?

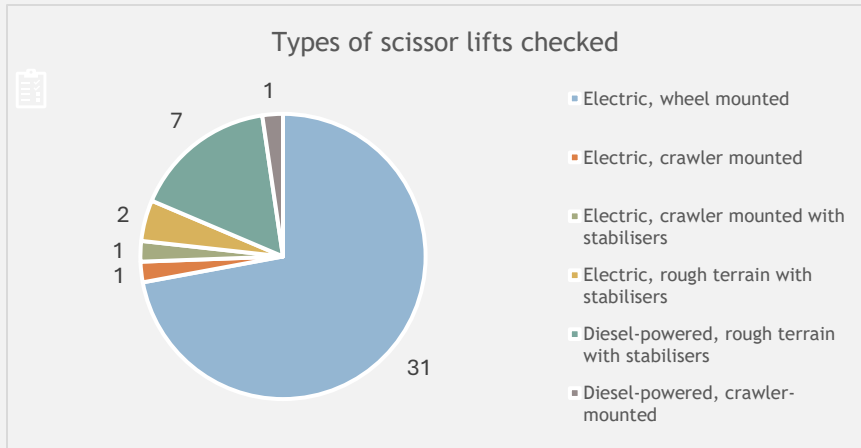
ABOUT THE PROJECT

The [JAHARP2021-04](#) Project is a pan-European market surveillance project which started in August 2022 and is now near completion. This project falls within the scope of the Machinery Directive 2006/42/EU.

MACHINES CHECKED DURING THE JOINT ACTION

43 models of Scissor Lift (Mobile Elevating Work Platforms) from 19 different brands were checked for safety and conformity with the requirements of the Machinery Directive and the harmonised standard EN 280.

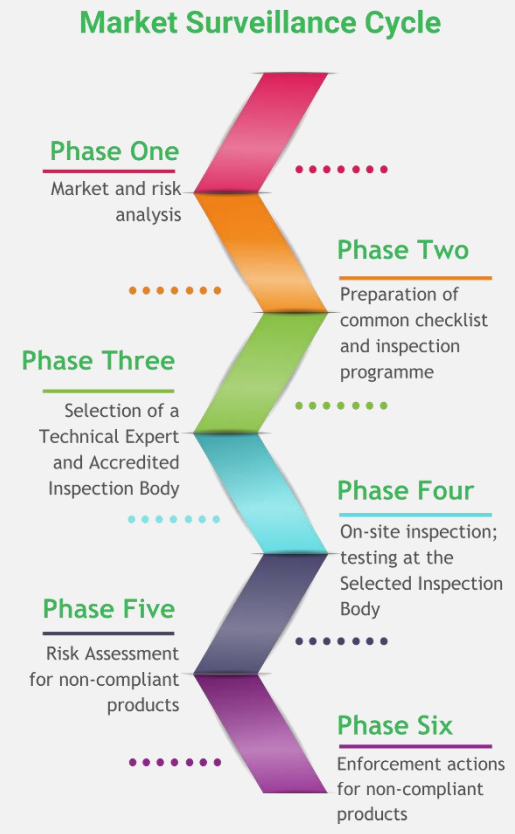
41 machines were inspected at the premises of importers, distributors or rental companies. In addition, 2 machines were sampled and sent for more comprehensive testing at an accredited Inspection Body.



RESULTS OF THE INSPECTIONS AND TESTS

All 43 scissor lifts checked showed at least one non-conformity (100%), with 25 machines revealing between 1 and 3 and 18 machines between 4 and 9 technical non-conformities. In addition, 37 machines (86%) had 1 or more non-conformity relating to markings and 39 out of the 43 machines (90%) had at least 1 item missing from the instructions.

The most common non-conformities concerned the lack of hand protection at the guardrails and incorrect dimensions of the access ladder. However, these issues appear to be due to divergent interpretations of the harmonized standard by the manufacturers. The most serious non-conformities detected concerned the malfunctioning of the load limiter (17 scissor lifts) and the malfunctioning of the device fitted to prevent the travel of the scissor lift on an excessive slope (9 scissor lifts).



PARTICIPATING AUTHORITIES

9 Market Surveillance Authorities from the following 7 Countries participated in this Joint Action coordinated by [PROSAFE](#) : Belgium, Czech Republic, Ireland, Latvia, the Netherlands, Portugal, and Spain (Andalusia, the Basque Country and Catalonia).

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APPROACH TO MARKET SURVEILLANCE - CHALLENGES

The size and price of scissor lifts make it difficult to take samples from the market for testing. Furthermore, conformity checks on such complex machines require expertise that most market surveillance authorities do not have 'in-house'.

The market surveillance approach adopted to meet these challenges was to recruit a Technical Expert from an accredited inspection Body to assist the national inspection teams. Most of the checks were carried out by means of visual inspection and functional tests at the premises of importers or distributors of scissor lifts or at rental companies in each of the countries participating in the Joint Action.

In addition, 2 models of scissor lift were sampled and transported to an accredited Inspection Body for more comprehensive inspection and testing. The outcome of these comprehensive tests showed results similar to those of the on-site inspections.

The manufacturer's Instruction manuals and EC Declaration of Conformity were checked by the authorities themselves, using common checklists drawn up by the project group. These documents were thus checked in the national language of each of the participating countries.



VISIT TO THE ACCREDITED INSPECTION BODY



On 7 and 8 February 2024, the project group visited the Inspection Body, FINN-Tarkastus, in Finland. The outcome of the inspections and tests and the risks associated with the non-conformities detected were discussed with the Technical Expert.

During the visit, the project team was able to witness the execution of **static and dynamic stability tests** on 2 scissor lifts sampled in Belgium and the Netherlands.



FINAL CONFERENCE

The final conference of the project took place online on 26 June 2024. The key results of the inspections and tests of scissor lifts were shared and discussed with representatives of the European Commission, of manufacturers associations and the CEN Technical Committee TC 98.

A layman's report presenting these findings will be prepared and published on [PROSAFE's website](#).

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