



European Committee for Standardization

Comité Européen de Normalisation

Europäisches Komitee für Normung

CEN/TC 135**Execution of steel structures
and aluminium structures****N 684**

Secretariat: Norway

Date:

2013-05-23

Roald Sægrov

Response from the secretariat of CEN/TC135 to request from the Commission, DG Enterprise and Industry, on the Scope of EN 1090-1

Dear Members

As the date (2014-07-01) for required mandatory use of EN 1090-1 approaches, questions from stakeholders has been raised with the Commission concerning the scope of EN 1090-1, i.e. which products are covered and which are not. It seems clear that part of the industry is well prepared to cope with the requirements of the hEN and part the industry is not equally well prepared. This document summarizes for information some of the communication that has taken place between the Commission, CEN and TC135.

Before the meeting in the Standing Committee of Construction (SCC) in February 2014, CEN was requested by the Commission to give its view on the scope. On request from CEN, the Secretariat of TC135 informed CEN (and via CEN, the Commission) on the scope by reference to the Mandate M120 and the TC135 response to the mandate given in TC135 documents N324 for steel, N356 for Aluminum and the Amendment of N543. The secretary of TC135 and the Convenor of TC135/WG15 further attended 2014-03-19 a separate meeting at the DG Enterprise and Industry where the scope of EN 1090-1 was an item on the agenda. The member states were at this meeting requested to inform the Commission on specific products where there might be potential lack of clarity whether they fall under the scope or not.

The Commission sent in the beginning of May to the secretariat of TC135 a draft document on clarifications as well as lists of products received from the member states with the request to give our response within a few days. To prepare this response an ad hoc meeting took place in Berlin 2014-05-09. TC135 members who have been involved in the discussion on the scope attended the meeting, including the Convenor of WG15 and the secretaries of WG15 and TC135 (see attachment).

Attached follows for your information the document prepared at that meeting in response to the request from the Commission. The document was sent to the Commission 2014-05-13.

It should be noted that EN 1090-1 was first published in 2009. [The date of applicability of EN 1090-1 as a harmonised standard was 2012-09-01, with transition period until 2014-07-01.](#) It has therefore been underlined by CEN that the transition period already has given fair time to clarify the scope, if necessary.

Kind regards
Roald Sægrov
Secretary of CEN/TC 135



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**TC135 response to request from the
European Commission, DG Enterprise and Industry,
on the Scope of EN 1090-1**

Dear Mr. Georgios Katsarakis

Reference is made to your e-mail 2014-05-02 requesting TC135 comments on your proposed draft on "Cases where CE Marking under EN 1090-1 is not possible" attached to your e-mail.

Reference is also made to your e-mail 2014-05-08 where you state: "Please note that we expect from the TC to clarify which products are covered or not by the EN. The question if some of them are construction products under the CPR or not, is not for the TC to solve."

This response to your request has been prepared by experts of CEN/TC135/WG15 responsible for EN 1090-1 at an ad hoc meeting in Berlin 2015-05-09. The attendees at the meeting were Karsten Kathage (DE, Convenor of WG15), Volker Hüller (DE), Georg Matzner (AT), David Moore (UK), Bert van Beek (NL), Pekka Yrjölä (FI), Karsten Zimmer (DE), Susan Kempa (DE, Secretary of WG15), Roald Sægrov (NO, Secretary of TC135).

Considering lists of products received attached to your e-mails as well as from members of TC135, two lists of products were prepared at the ad hoc meeting; a) a list of products that is regarded as falling under the scope of EN 1090-1 and b) a list of products that is regarded not to fall under the scope.

The lists are prepared as input for further discussion and decision by the Commission.

The lists may benefit from being presented also in other languages than English.

The lists cover only examples and the clarification of the scope is hence limited to the items listed. The presentation of the lists should include the general principles of the scope.

Please note that time has not allowed the lists to be discussed in full within WG15 and TC135.

Kind regards
Roald Sægrov
Secretary of CEN/TC 135

CLARIFICATION OF SCOPE OF EN 1090-1

Cases where CE-marking according to EN 1090-1 is necessary or not possible

In order to state more precisely the scope of EN 1090-1 the following two comprehensive but not complete lists of examples have been prepared. The lists cover

- a. structural steel and aluminium construction products which are covered by the scope of EN 1090-1 and where CE-marking according to EN 1090-1 is mandatory,
- b. steel and aluminium products which are not covered by the scope of EN 1090-1 and where CE-marking according to EN 1090-1 is not possible.

a. Structural steel and aluminium construction products covered by the scope of EN 1090-1 and where CE-marking according to EN 1090-1 is mandatory

1. Balconies
2. Balustrades (Edge Protection)
3. Base plates not covered by EN 10025-1
4. Beams not covered by EN 10025-1
5. Beam clamps without ETA
6. Bracing
7. Canopies, canopy framing
8. Catwalks
9. Cellular Beams
10. Cold-formed purlins and cladding rails
11. Cold-formed sheeting for roofing and cladding
12. Cold-formed decking for use in composite steel and concrete floors
13. Columns
14. Crane rail beams, crane stops
15. Culverts used as a bridge-like structure to carry traffic
16. Curved and bent beams
17. Door frames, if part of the structural frame
18. Fabricated Pile foundations
19. Fire escapes
20. Floor-opening frames, if integral part of the load bearing structure of the construction works
21. Girders not covered by EN 10025-1
22. Grillage beams and girders
23. Handrails (Edge Protection)
24. Hangers
25. Lintels not covered by EN 845-2
26. Load bearing fences
27. Marquee framing
28. Machinery supports, if integral part of the load bearing structure of the construction works
29. Mezzanine floors
30. Pipeline and pipe supporting structures
31. Plate girders (welded or bolted)

32. Playground rides
33. Purlins
34. Racking systems
35. Ramps, if integral part of the load bearing structure of the construction works
36. Roof-opening frames, if integral part of the load bearing structure of the construction works
37. Sag rods
38. Sign and gantry girders
39. Silos
40. Stairs which are not covered by ETAG 008 and relevant ETAs
41. Structural components for bridges (incl. road-, railway- and footbridges, pipe bridges, moving bridges)
42. Structural components for buildings
43. Structural components for grandstands and stadia
44. Structural components for plant and machinery, if integral part of the load bearing structure of the construction works
45. Structural components for masonry structures
46. Structural components for Noise barriers
47. Structural components for timber structures without fasteners
48. Structural components for towers and masts
49. Structural components for wharfs, docks and piers
50. Structural steel components for composite steel and concrete structures
51. Structural frames for buildings, warehouses, schools, hospitals, dwellings, industrial and agricultural sheds
52. Structural frames for shelters
53. Tension rods without ETA
54. Tubular beams and columns
55. Trusses
56. Wall-opening frames, if part of the load bearing structure
57. Walkways, incl. open mesh flooring, if integral part of the load bearing structure of the construction works

b. Structural steel and aluminium products not covered by the scope of EN 1090-1 and where CE-marking according to EN 1090-1 is not possible

1. Aluminium and aluminium alloys – Structural products for construction works according to EN 15088
2. Bearings and steel components used in bearings according to EN 1337
3. Blind rivets
4. Cabinets for cables and power supply installations
5. Cables, ropes and wires
6. Castings
7. Cladding kits according to ETAG 034 and relevant ETAs
8. Cold formed steel tubes according to EN 10219-1
9. Components for suspended ceilings
10. Curtain walling according to EN 13830
11. Doors
12. Expansion joints for road bridges according to ETAG 032 and relevant ETAs
13. External blinds according to EN 13561
14. Fences and railings
15. Flagpoles
16. Forgings

17. Foundation bolts
18. Free-standing steel chimneys according to EN 13084-7
19. Fully supported metal sheet for roofing, cladding and lining according to EN 14783
20. Gates
21. Hangers and brackets for masonry according to EN 845-1
22. Hot finished steel tubes according to EN 10210-1
23. Hot rolled steel flat products and sections according to EN 10025-1
24. Industrial, commercial and garage doors and gates – without fire resistance or smoke control according to EN 13241-1
25. Ladders
26. Lightning columns according to EN 40-5
27. Lintels for masonry according to EN 845-2
28. Masonry anchors according to EN 845-1
29. Metal anchors for use in concrete according to ETAG 001 and relevant ETAs
30. Metal anchors for use in masonry according to ETAG 029 and relevant ETAs
31. Metal chimneys according to EN 1856-1
32. Metal frame building kits according to ETAG 025 and relevant ETAs^{*)}
33. Metal framing components for plasterboard according to EN 14195
34. Metal liners according to EN 1856-2
35. Non-pre-loadable bolts according to EN 15048
36. Ornamentations
37. Pedestrian doorsets, industrial, commercial, garage doors and openable windows - Product standard, performance characteristics - Fire resistance and/or smoke control characteristics according prEN 16034
38. Piles if non-fabricated
39. Pipelines and pipes
40. Powder actuated fasteners (cartridge fired pins) with ETA
41. Prefabricated building units according to ETAG 023 and relevant ETAs^{*)}
42. Prefabricated stair kits according to ETAG 008 and relevant ETAs
43. Prefabricated steel and stainless steel wire rope systems with ETA
44. Prefabricated tension rod systems with ETA
45. Pre-loadable bolts according to EN 14399-1
46. Pressure vessels not incl. the supporting structure
47. Rails or sleepers for railway systems
48. Reinforcing steel for concrete or masonry
49. Road parapets, crash barriers, crash cushions according to EN 1317-5
50. Roof safety products incl. roof ladders and walkways
51. Scaffoldings
52. Sculptures (Metal Art)
53. Self-drilling and self-tapping screws
54. Self-supporting insulating panels (sandwich panels) according to EN 14509
55. Self-supporting metal sheets for roofing, cladding and lining according to EN 14782 used in structural class III as defined in EN 1993-1-3 and EN 1999-1-4.
56. Sheet piling according to prEN 10248-1 and prEN 10249-1
57. Shutters according to EN 13659
58. Site based activities
59. Stainless steel strip according to EN 10088-4
60. Stainless steel bars, rods, wire, sections according to EN 10088-5
61. Steel and aluminium components covered by the Machinery Directive
62. Steel casting for structural use according to EN 10340
63. Steels for quenching and tempering for construction purposes according to EN 10343

64. Steel lintels according to EN 845-2
65. Stairs as part of machinery according to EN ISO 14122-3
66. Structural components for cranes
67. Structural components for offshore structures
68. Structural components for wind turbine towers
69. Tanks - Workshop fabricated steel tanks according to EN 12285-2
70. Traditional craft type and non-structural components (e. g. blacksmith making weather cocks, letter boxes, bicycle racks, fences)
71. Traffic sign supports according to EN 12899-1

*) In cases where the structural metal frame or components are already CE-marked according to EN 1090-1 the relevant additional assessment according to ETAG 023 or ETAG 025 is mandatory.