

ISO 14404-2:2013-03 (E)

Calculation method of carbon dioxide emission intensity from iron and steel production - Part 2: Steel plant with electric arc furnace (EAF)

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Terms and definitions	1
2.1 Emissions	1
2.2 Gas fuel	2
2.3 Liquid fuel	2
2.4 Solid fuel	2
2.5 Auxiliary material	3
2.6 Energy carriers	3
2.7 Ferrous containing materials	4
2.8 Alloys	4
2.9 Product and by-product	4
2.10 Others	4
3 Symbols	5
4 Principles	6
4.1 General	6
4.2 Relevance	6
4.3 Completeness	6
4.4 Consistency	6
4.5 Accuracy	6
4.6 Transparency	6
5 Definition of boundary	7
5.1 General	7
5.2 Category 1	7
5.3 Category 2	7
5.4 Category 3	8
5.5 Category 4	8
6 Calculation	8
6.1 General	8
6.2 Calculation procedure	8
Annex A (informative) Calculation of energy consumption and intensity	13
Annex B (informative) An example of template for using different emission factors or emission sources from Table 4	14
Annex C (informative) An example of CO ₂ emission and intensity calculations for steel plant	16
Bibliography	19