

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 CO₂ emission and intensity calculations for steel plant		16
Bibliography		19