

# ISO 16759:2013-07 (E)

## Graphic technology - Quantification and communication for calculating the carbon footprint of print media products

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
3.1	Terms relating to carbon footprint .....	1
3.2	Terms relating to greenhouse gases .....	2
3.3	Terms relating to life cycle assessment .....	3
3.4	Terms relating to organisations and consumers .....	4
3.5	Terms relating to printed media product and process -- Prepress .....	4
3.6	Terms relating to printed media product and process -- Press .....	5
3.7	Terms relating to printed media product and process -- Postpress .....	6
3.8	Terms relating to data and data quality .....	7
4	Principles for carbon footprint quantification .....	8
4.1	General requirements .....	8
4.2	Life cycle perspective .....	8
4.3	Relative approach and functional unit .....	8
4.4	Relevance .....	8
4.5	Completeness .....	8
4.6	Consistency .....	9
4.7	Accuracy .....	9
4.8	Transparency .....	9
4.9	Avoidance of double counting .....	9
4.10	Implementation criteria .....	9
5	Methodology .....	9
5.1	General requirements .....	9
5.2	Goal and scope .....	10
5.3	System boundary definitions .....	11
5.4	Time boundary for data .....	12
5.5	Carbon footprint quantification of life-cycle stages .....	12
6	Reporting .....	17
6.1	General .....	17
6.2	Documentation requirements .....	17
6.3	Interpretation of the carbon footprint of a product .....	18
7	Communication requirements .....	18
7.1	General .....	18
7.2	Interpretation and comparison .....	19
7.3	Product definitions and product category rules (PCRs) .....	19
Annex A (informative)	General requirements and guidelines for CFP communication options -- Greenhouse gases .....	20
Annex B (informative)	Inventory analysis of input criteria used to define the product profile .....	23

<b>Annex C (informative) Operations and materials in processes and data collection items within the system boundary .....</b>	<b>26</b>
<b>Annex D (informative) Intergraf recommendations on CO2 emissions calculation in the printing industry .....</b>	<b>30</b>
<b>Annex E (normative) Guidelines for comparisons of the carbon footprints of print media .....</b>	<b>34</b>
<b>Annex F (informative) Calculation samples by Europe, Germany and Thailand .....</b>	<b>35</b>
<b>Bibliography .....</b>	<b>41</b>