

ISO/IEC 30134-8:2022-03 (E)

Information technology - Data centres key performance indicators - Part 8: Carbon usage effectiveness (CUE)

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms, definitions, abbreviated terms and symbols	1
3.1 Terms and definitions.....	1
3.2 Abbreviated terms.....	2
3.3 Symbols.....	3
4 Applicable area of the data centre	4
5 Determination of CUE	4
6 Measurement of CUE	5
6.1 General.....	5
6.2 Calculation and measurement method of CO ₂	5
6.2.1 Calculation, measurement period and frequency.....	5
6.2.2 Categories of CUE.....	5
7 Application of CUE	6
8 Reporting of CUE	6
8.1 Requirements.....	6
8.1.1 Standard construct for communicating CUE data.....	6
8.1.2 Data for public reporting of CUE.....	7
8.2 Recommendations.....	7
8.2.1 Trend tracking data.....	7
8.3 Examples of reporting CUE values.....	8
8.4 CUE derivatives.....	8
8.4.1 Purpose of CUE derivatives.....	8
8.4.2 Using CUE derivatives.....	9
8.4.3 Interim CUE.....	9
8.4.4 Partial CUE.....	9
8.4.5 Design CUE.....	10
Annex A (informative) Examples of use	11
Annex B (informative) Energy conversion factors	13
Annex C (normative) Emission factor for carbon dioxide	14
Bibliography	17