

ISO/IEC 30134-9:2022-03 (E)

Information technology - Data centres key performance indicators - Part 9: Water usage effectiveness (WUE)

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.....	3
3.3 Symbols.....	3
4 Applicable area of the data centre	4
5 Determination of WUE	5
6 Measurement of WUE	5
6.1 General.....	5
6.2 Measuring actual water usage.....	5
6.2.1 Calculation, measurement period and frequency.....	5
6.2.2 Categories of WUE.....	5
7 Application of WUE	8
8 Reporting of WUE	8
8.1 Requirements.....	8
8.1.1 Standard construct for communicating WUE data.....	8
8.1.2 Data for public reporting of WUE.....	9
8.2 Recommendations.....	9
8.3 Example of reporting WUE values.....	10
8.4 WUE derivatives.....	10
8.4.1 Purpose of WUE derivatives.....	10
8.4.2 Interim WUE.....	11
8.4.3 Partial WUE.....	11
8.4.4 Design WUE.....	11
8.4.5 Quality WUE.....	11
8.4.6 Peak WUE.....	12
8.5 Water reuse factor (WRF).....	12
Annex A (informative) Examples of use	13
Annex B (normative) Water significance	15
Annex C (informative) Energy water intensity factor	16
Annex D (normative) Land consumption	17
Bibliography	19