

# ISO 4354:2009-06 (E)

## Wind actions on structures

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1 Scope .....		1
2 Normative references .....		1
3 Symbols .....		2
4 Wind actions .....		2
5 Wind pressure .....		3
6 Wind force .....		3
7 Site peak dynamic pressure .....		4
8 Exposure factor .....		4
9 Pressure and force coefficients .....		4
10 Dynamic response factor .....		5
11 Criterion for aeroelastic instability .....		5
12 Methods of determination of wind loads .....		5
Annex A (normative) Mean velocity method .....		7
Annex B (informative) Determination of reference wind speed .....		9
Annex C (informative) Determination of exposure factors .....		11
Annex D (informative) Aerodynamic pressure and force coefficients .....		22
Annex E (informative) Dynamic response factors .....		40
Annex F (informative) Structures subject to critical excitation vortex resonance and aeroelastic instability .....		59
Annex G (informative) Mode combinations .....		62
Annex H (informative) Wind tunnel testing .....		64
Annex I (informative) Computation-based methods .....		65
Annex J (informative) Reliability considerations .....		66
Bibliography .....		67