

# ISO 14686:2003-07 (E)

## Hydrometric determinations - Pumping tests for water wells - Considerations and guidelines for design, performance and use

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1 <b>Scope</b> .....		1
2 <b>Terms and definitions</b> .....		1
3 <b>Hydrogeological considerations</b> .....		5
4 <b>Pre-test planning</b> .....		7
5 <b>Pre-test observations</b> .....		20
6 <b>Pumping test</b> .....		22
7 <b>Special tests</b> .....		27
8 <b>Post-test observations</b> .....		31
9 <b>Presentation of information</b> .....		31
<b>Annex A (informative) Well construction</b> .....		34
<b>Annex B (informative) Groundwater conditions and aquifer states</b> .....		35
<b>Annex C (informative) Water-level and discharge-measuring devices</b> .....		37
<b>Annex D (informative) Well development</b> .....		48
<b>Annex E (informative) Geophysical logging</b> .....		54
<b>Annex F (informative) Examples of forms for data collection</b> .....		55
<b>Bibliography</b> .....		57