

ISO/IEC 33003:2015-03 (E)

Information technology - Process assessment - Requirements for process measurement frameworks

| Contents | | Page |
|-----------------------------------------------------------------------------------------------------------------|--|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 Scope | | 1 |
| 2 Normative references | | 1 |
| 3 Terms and definitions | | 1 |
| 4 Requirements for process measurement frameworks | | 4 |
| 4.1 Conceptualization..... | | 4 |
| 4.1.1 Requirements..... | | 4 |
| 4.1.2 Guidance..... | | 4 |
| 4.2 Construct definition..... | | 4 |
| 4.2.1 Requirements..... | | 4 |
| 4.2.2 Guidance..... | | 5 |
| 4.3 Operationalization..... | | 5 |
| 4.3.1 Requirements..... | | 5 |
| 4.3.2 Guidance..... | | 5 |
| 4.4 Construct specification examination..... | | 5 |
| 4.4.1 Requirements..... | | 5 |
| 4.4.2 Guidance..... | | 5 |
| 4.5 Rating process attributes..... | | 6 |
| 4.5.1 Requirements..... | | 6 |
| 4.5.2 Guidance..... | | 6 |
| 4.6 Aggregation..... | | 7 |
| 4.6.1 Requirements..... | | 7 |
| 4.6.2 Guidance..... | | 7 |
| 4.7 Sensitivity analysis..... | | 8 |
| 4.7.1 Requirements..... | | 8 |
| 4.7.2 Guidance..... | | 8 |
| 5 Requirements for the validation of process measurement frameworks | | 8 |
| 5.1 Requirements..... | | 8 |
| 5.2 Guidance..... | | 8 |
| 5.2.1 Reliability..... | | 9 |
| 5.2.2 Construct validity..... | | 9 |
| 5.2.3 Construct specification..... | | 9 |
| 6 Verifying conformity of process measurement frameworks | | 9 |
| Annex A (informative) A terminology map | | 11 |
| Annex B (informative) Construct specification: Reflective or formative | | 13 |
| Annex C (informative) Some statistical validation methods | | 15 |
| Annex D (informative) Methods for implementing the requirements for process measurement frameworks | | 18 |
| Bibliography | | 20 |