

# ISO/IEC TR 18121:2015-12 (E)

## Information technology - Learning, education and training - Virtual experiment framework

---

| <b>Contents</b>  |   | <b>Page</b> |
|--|---|-------------|
| Foreword .....   |   | iv          |
| Introduction .....   |   | v           |
| 1  | Scope .....   | 1           |
| 2  | Conformance .....                                   | 1           |
| 3  | Terms and definitions .....                         | 2           |
| 4  | Symbols and abbreviated terms .....                 | 2           |
| 5  | Framework .....                                     | 3           |
| 5.1  | General .....                                       | 3           |
| 5.1.1  | Overview of virtual experiment framework .....      | 3           |
| 5.1.2  | Core feature of virtual experiment framework .....  | 4           |
| 5.1.3  | Basic specifications .....                          | 4           |
| 5.1.4  | Relationship .....                                  | 4           |
| 5.2  | Basic framework standards .....                     | 5           |
| 5.3  | Application service standards .....                 | 6           |
| 5.4  | Data processing standards .....                     | 6           |
| 5.5  | Management and evaluation standards .....           | 7           |
| 5.6  | Relationship among specifications .....             | 7           |
| 5.7  | Considerations for virtual experiment systems ..... | 8           |
| Annex A (informative) Major parts of virtual experiment framework .....              |   | 9           |
| Annex B (informative) Application examples of the virtual experiment framework ..... |   | 10          |
| Annex C (informative) Abstract actors for virtual experiment framework .....         |   | 16          |
| Bibliography .....   |   | 18          |