

# ISO/IEC 20006-1:2014-07 (E)

## Information technology for learning, education and training - Information model for competency - Part 1: Competency general framework and information model

---

| <b>Contents</b>              |   | <b>Page</b> |
|------------------------------|---|-------------|
| Foreword .....               |   | iv          |
| Introduction .....           |   | v           |
| <b>1</b>                     | <b>Scope .....</b>  | <b>1</b>    |
| 1.1                          | General .....   | 1           |
| 1.2                          | Exclusions .....  | 2           |
| 1.3                          | Areas not addressed .....   | 2           |
| <b>2</b>                     | <b>Conformance .....</b>  | <b>2</b>    |
| <b>3</b>                     | <b>Normative references .....</b>   | <b>3</b>    |
| <b>4</b>                     | <b>Terms and definitions .....</b>  | <b>3</b>    |
| <b>5</b>                     | <b>Symbols and abbreviated terms .....</b>  | <b>5</b>    |
| <b>6</b>                     | <b>Competency general framework .....</b>   | <b>6</b>    |
| 6.1                          | Introduction .....  | 6           |
| 6.2                          | Information architecture view to support the management and exchange of competency information .....  | 7           |
| 6.3                          | Competency organization .....   | 9           |
| 6.4                          | Elements of competency .....  | 9           |
| 6.5                          | Semantic elements in competency expressions .....   | 10          |
| <b>7</b>                     | <b>Competency Semantic Information .....</b>  | <b>11</b>   |
| 7.1                          | Architecture of competency information .....  | 11          |
| 7.2                          | Competency semantic information model .....   | 12          |
| 7.3                          | Types of Competency Semantic information - Competency Meaning Information .....   | 15          |
| 7.4                          | Types of Competency Semantic Information - Competency Situation Information .....   | 20          |
| <b>Annex B (informative)</b> | <b>Examples for competency information architectures .....</b>  | <b>26</b>   |
| <b>Annex C (informative)</b> | <b>Patterns of competency organization by HRMLs .....</b>   | <b>29</b>   |
| <b>Annex D (informative)</b> | <b>Previous use case on Japanese National Skills Standard (ETSS) .....</b>  | <b>31</b>   |
| <b>Annex E (informative)</b> | <b>Application to Japanese National Skills Standard (ITSS) .....</b>  | <b>32</b>   |
| <b>Annex F (informative)</b> | <b>Application to Canadian Learning Management System Desire2Learn .....</b>  | <b>34</b>   |
| <b>Annex G (informative)</b> | <b>Application to Canadian National Occupational Classification (NOC) and Canadian Nurses Association Canadian Nurse Practitioner Core Competency Framework .....</b> | <b>40</b>   |
| <b>Bibliography .....</b>    |   | <b>43</b>   |