Table of Contents

Preface

The Programme for International Assessment of Adult Competencies: An Overview
Irwin Kirsch, ETS and William Thorn, OECD

Section 1: Assessment and Instrument Design

Chapter 1: Assessment Design
Irwin Kirsch, Kentaro Yamamoto, and David Garber, ETS

Chapter 2: The Development of the PIAAC Cognitive Instruments
Mary Louise Lennon and Claudia Tamassia, ETS

Chapter 3: The Development of the PIAAC Background Questionnaires
Jim Allen and Rolf van der Velden, ROA; Susanne Helmschrott, Silke Martin, Natascha Massing, Beatrice Rammstedt and Anouk Zabal, GESIS; and Matthias von Davier, ETS

Chapter 4: Translation, Adaptation, and Verification of Test and Survey Materials
Andrea Ferrari, Elica Krajceva, and Laura Wägrynen, cApStAn; Dorothée Behr and Anouk Zabal, GESIS

Section 2: Platform Development

Chapter 5: Development of the Cognitive Items
Britta Upsing, Frank Goldhammer, Maya Schnitzler, Robert Baumann, Roland Johannes, Ingo Barkow and Heiko Rölke, DIPF; Thibaud Latour, Patrick Plichart and Raynaud Jadoul and Christopher Henry, CRP; Mike Wagner and Isabelle Jars, ETS
Chapter 6: Development of Technical Support Tools  
Britta Upsing, Frank Goldhammer, Maya Schnitzler, Robert Baumann, Roland Johannes, Ingo Barkow and Heiko Rölke, DIPF; Thibaud Latour, Patrick Plichart, Raynald Jadoul and Christopher Henry, CRP; and Mike Wagner and Isabelle Jars, ETS

Chapter 7: Development of the CAPI Questionnaire Software  
Thibaud Latour and Raynald Jadoul, CRP; and Mike Wagner, ETS

Chapter 8: Development of the Integrated Computer Platform  
Britta Upsing, Frank Goldhammer, Maya Schnitzler, Robert Baumann, Roland Johannes, Ingo Barkow and Heiko Rölke, DIPF; Thibaud Latour, Patrick Plichart and Raynald Jadoul and Christopher Henry, CRP; Mike Wagner and Isabelle Jars, ETS

Chapter 9: The TAO Platform  
Raynald Jadoul, Patrick Plichart, Jérôme Bogaerts, Christophe Henry and Thibaud Latour, CRP Henri Tudor

Section 3: Field Operations and Quality Control

Chapter 10: Field Operations  
Pat Montalvan, Michael Lemay and Nina Thornton, Westat

Chapter 11: Quality Control Monitoring Activities  
Pat Montalvan, Michael Lemay and Nina Thornton, Westat

Chapter 12: Scoring Reliability Studies  
Claudia Tamassia, Mary Louise Lennon, Kentaro Yamamoto and David Garber, ETS

Chapter 13: Data Management Procedures  
Ralph Carstens, Tim Daniel and Hannah Köhler, IEA

Section 4: Sampling and Weighting

Chapter 14: Sampling Design  
Leyla Mohadjer, Tom Krenzke, Wendy Van de Kerchove and Lin Li, Westat

Chapter 15: Survey Weighting and Variance Estimation  
Leyla Mohadjer, Tom Krenzke, Wendy Van de Kerchove and Lin Li, Westat

Chapter 16: Indicators of the Quality of the Sample Data  
Leyla Mohadjer, Tom Krenzke, Wendy Van de Kerchove, Lin Li and John Lopdell, Westat
Section 5: Data Analysis and Data Products

Chapter 17: Scaling PIAAC Cognitive Data
    Kentaro Yamamoto, Lale Khorramdel and Matthias von Davier, ETS

Chapter 18: Scaling Outcomes
    Kentaro Yamamoto, Lale Khorramdel and Matthias von Davier, ETS

Chapter 19: Proficiency Scale Construction
    Kentaro Yamamoto, Lale Khorramdel and Matthias von Davier, ETS

Chapter 20: Creating Simple and Complex Derived Variables and Validation of Background Questionnaire Data
    Matthias von Davier, Jonathan Weeks and Henry Chen, ETS; Jim Allen and Rolf van der Velden, ROA

Chapter 21: PIAAC Proficiency Scales
    Claudia Tamassia and Mary Louise Lennon, ETS

Chapter 22: Generating Results for PIAAC
    Alfred Rogers and John Barone, ETS

Chapter 23: International Database and Data Analysis Tools
    Ralph Carstens, Tim Daniel and Hannah Köhler, IEA Data Processing and Research Center; and Eugenio Gonzalez, ETS

Section 6: Appendices

Appendix 1: PIAAC Main Study item pool characteristics

Appendix 2: Contrast Coding Used in Conditioning

Appendix 3: Design Effect Tables

Appendix 4: Changes to Questionnaire Items from IALS to PIAAC

Appendix 5: Mapping of ISCED Levels to Years of Schooling

Appendix 6: PIAAC Consortium, Staff, Expert Groups, National Project Managers and consultants

Appendix 7: Data Adjudication in PIAAC
    PIAAC Consortium and William Thorn, OECD