

## Appendix C

### Summary of Cycle 25 Interrater Agreement Indices

Explanation of Column Titles:

Occupation Title: Occupation title – The IDI code associated with each title is shown in Appendix A.

#### **Importance**

Mean of  $M_s$  Mean of Mean Importance Ratings – The mean of the analysts' mean importance rating across the 35 skills for each occupation.

Median of  $SD_s$  Median of the Standard Deviations of Importance Ratings – The median of the  $SD_s$  associated with each mean importance rating across the 35 skills for each occupation.

Median of  $SE_{M_s}$  Median of the Standard Error of the Mean Importance Ratings – The median of the  $SE_{M_s}$  associated with each mean importance rating across the 35 skills for each occupation.

#### **Level**

Mean of  $M_s$  Mean of Mean Level Ratings – The mean of the analysts' mean level rating across the 35 skills for each occupation.

Median of  $SD_s$  Median of the Standard Deviations of Level Ratings – The median of the  $SD_s$  associated with each mean level rating across the 35 skills for each occupation.

Median of  $SE_{M_s}$  Median of the Standard Error of the Mean Level Ratings – The median of the  $SE_{M_s}$  associated with each mean level rating across the 35 skills for each occupation.

Occupation Title	Importance			Level		
	Mean of Ms	Median of SDs	Median of SEMs	Mean of Ms	Median of SDs	Median of SEMs
Facilities Managers	2.88	0.52	0.18	2.83	0.64	0.23
Transportation, Storage, and Distribution Managers	2.86	0.52	0.18	2.64	0.53	0.19
Training and Development Managers	2.89	0.46	0.16	2.79	0.35	0.13
Farmers, Ranchers, and Other Agricultural Managers	2.96	0.53	0.19	3.08	0.74	0.26
Funeral Home Managers	2.63	0.52	0.18	2.43	0.52	0.18
Regulatory Affairs Managers	2.72	0.46	0.16	2.50	0.35	0.13
Compliance Officers	2.52	0.64	0.23	2.15	0.71	0.25
Coroners	2.63	0.46	0.16	2.45	0.46	0.16
Compensation, Benefits, and Job Analysis Specialists	2.50	0.35	0.13	2.38	0.35	0.13
Accountants and Auditors	2.54	0.52	0.18	2.40	0.64	0.23
Appraisers and Assessors of Real Estate	2.42	0.52	0.18	2.27	0.53	0.19
Budget Analysts	2.50	0.35	0.13	2.29	0.35	0.13
Personal Financial Advisors	2.65	0.35	0.13	2.39	0.35	0.13
Health Informatics Specialists	2.98	0.35	0.13	3.04	0.35	0.13
Computer Network Architects	3.10	0.46	0.16	3.24	0.46	0.16
Geographic Information Systems Technologists and Technicians	2.42	0.53	0.19	2.15	0.64	0.23
Computer Systems Engineers/Architects	3.04	0.35	0.13	3.10	0.35	0.13
Operations Research Analysts	2.79	0.35	0.13	2.64	0.35	0.13
Statisticians	2.64	0.35	0.13	2.50	0.35	0.13
Business Intelligence Analysts	2.57	0.35	0.13	2.41	0.46	0.16
Agricultural Engineers	2.98	0.35	0.13	3.04	0.35	0.13
Bioengineers and Biomedical Engineers	3.20	0.35	0.13	3.56	0.46	0.16
Environmental Engineers	2.84	0.35	0.13	2.84	0.35	0.13
Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	2.73	0.52	0.18	2.67	0.74	0.26
Human Factors Engineers and Ergonomists	2.91	0.35	0.13	3.02	0.46	0.16
Marine Engineers and Naval Architects	2.93	0.52	0.18	3.09	0.76	0.27
Mechanical Engineers	3.05	0.46	0.16	3.45	0.53	0.19
Nuclear Engineers	3.15	0.35	0.13	3.22	0.35	0.13
Architectural and Civil Drafters	2.65	0.52	0.18	2.50	0.64	0.23
Electrical and Electronic Engineering Technologists and Technicians	2.81	0.52	0.18	2.72	0.53	0.19
Nanotechnology Engineering Technologists and Technicians	2.81	0.53	0.19	2.75	0.74	0.26
Photonics Technicians	2.80	0.46	0.16	2.84	0.46	0.16

Occupation Title	Importance			Level		
	Mean of Ms	Median of SDs	Median of SE <sub>MS</sub>	Mean of Ms	Median of SDs	Median of SE <sub>MS</sub>
Surveying and Mapping Technicians	2.47	0.52	0.18	2.23	0.53	0.19
Microbiologists	2.89	0.35	0.13	3.04	0.35	0.13
Astronomers	2.86	0.46	0.16	2.90	0.46	0.16
Atmospheric and Space Scientists	2.69	0.35	0.13	2.61	0.35	0.13
Materials Scientists	2.84	0.35	0.13	2.89	0.35	0.13
Economists	2.61	0.35	0.13	2.48	0.46	0.16
Clinical and Counseling Psychologists	2.72	0.46	0.16	2.43	0.46	0.16
Neuropsychologists	2.89	0.52	0.18	2.86	0.64	0.23
Clinical Neuropsychologists	2.75	0.71	0.25	2.61	0.76	0.27
Anthropologists and Archeologists	2.64	0.35	0.13	2.51	0.46	0.16
Agricultural Technicians	2.55	0.35	0.13	2.41	0.46	0.16
Geological Technicians, Except Hydrologic Technicians	2.57	0.53	0.19	2.43	0.74	0.26
Nuclear Technicians	2.88	0.52	0.18	2.82	0.76	0.27
Occupational Health and Safety Specialists	2.90	0.35	0.13	2.86	0.46	0.16
Occupational Health and Safety Technicians	2.72	0.35	0.13	2.52	0.35	0.13
Educational, Guidance, and Career Counselors and Advisors	2.67	0.46	0.16	2.35	0.46	0.16
Lawyers	2.76	0.35	0.13	2.62	0.46	0.16
Arbitrators, Mediators, and Conciliators	2.51	0.46	0.16	2.23	0.46	0.16
Paralegals and Legal Assistants	2.22	0.00	0.00	1.84	0.00	0.00
Elementary School Teachers, Except Special Education	2.77	0.35	0.13	2.41	0.35	0.13
Middle School Teachers, Except Special and Career/Technical Education	2.73	0.35	0.13	2.31	0.00	0.00
Archivists	2.45	0.35	0.13	2.26	0.35	0.13
Teaching Assistants, Preschool, Elementary, Middle, and Secondary School, Except Special Education	2.47	0.52	0.18	2.08	0.64	0.23
Fashion Designers	2.80	0.46	0.16	2.50	0.46	0.16
Interior Designers	2.76	0.35	0.13	2.53	0.35	0.13
Choreographers	2.50	0.46	0.16	2.12	0.46	0.16
News Analysts, Reporters, and Journalists	2.43	0.53	0.19	2.09	0.71	0.25
Poets, Lyricists and Creative Writers	2.29	0.46	0.16	1.94	0.46	0.16
Prosthodontists	2.80	0.35	0.13	2.78	0.46	0.16
Histotechnologists	2.66	0.53	0.19	2.54	0.74	0.26
Medical Dosimetrists	2.79	0.53	0.19	2.76	0.71	0.25
Orthotists and Prosthetists	2.94	0.35	0.13	2.95	0.46	0.16

Occupation Title	Importance			Level		
	Mean of Ms	Median of SDs	Median of SEMs	Mean of Ms	Median of SDs	Median of SEMs
First-Line Supervisors of Police and Detectives	2.96	0.46	0.16	2.82	0.35	0.13
Intelligence Analysts	2.51	0.00	0.00	2.30	0.35	0.13
Food Preparation Workers	1.95	0.35	0.13	1.33	0.35	0.13
First-Line Supervisors of Personal Service Workers	2.68	0.35	0.13	2.35	0.35	0.13
Funeral Attendants	2.08	0.46	0.16	1.61	0.46	0.16
Morticians, Undertakers, and Funeral Arrangers	2.70	0.46	0.16	2.63	0.46	0.16
Cashiers	1.98	0.35	0.13	1.46	0.35	0.13
Solar Sales Representatives and Assessors	2.51	0.46	0.16	2.28	0.46	0.16
Telephone Operators	2.00	0.35	0.13	1.41	0.46	0.16
Credit Authorizers, Checkers, and Clerks	2.21	0.46	0.16	1.78	0.46	0.16
Freight Forwarders	2.56	0.46	0.16	2.25	0.46	0.16
Legal Secretaries and Administrative Assistants	2.20	0.00	0.00	1.78	0.35	0.13
Fishing and Hunting Workers	2.19	0.52	0.18	1.73	0.52	0.18
Solar Energy Installation Managers	2.92	0.46	0.16	2.95	0.46	0.16
Solar Photovoltaic Installers	2.67	0.46	0.16	2.56	0.35	0.13
Construction and Building Inspectors	2.63	0.35	0.13	2.41	0.35	0.13
Maintenance Workers, Machinery	2.61	0.35	0.13	2.33	0.35	0.13
Millwrights	2.89	0.35	0.13	2.72	0.46	0.16
Structural Metal Fabricators and Fitters	2.14	0.35	0.13	1.69	0.46	0.16
Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	2.38	0.46	0.16	2.03	0.46	0.16
Pourers and Casters, Metal	2.29	0.35	0.13	1.96	0.35	0.13
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	2.31	0.35	0.13	2.04	0.35	0.13
Shoe Machine Operators and Tenders	2.30	0.35	0.13	1.91	0.46	0.16
Sewers, Hand	1.98	0.35	0.13	1.51	0.35	0.13
Model Makers, Wood	2.35	0.46	0.16	2.04	0.46	0.16
Power Distributors and Dispatchers	2.62	0.46	0.16	2.46	0.46	0.16
Power Plant Operators	2.67	0.35	0.13	2.48	0.35	0.13
Hydroelectric Plant Technicians	2.83	0.46	0.16	2.73	0.46	0.16
Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	2.56	0.35	0.13	2.38	0.35	0.13
Jewelers and Precious Stone and Metal Workers	2.36	0.64	0.23	2.06	0.83	0.30

Occupation Title	Importance			Level		
	Mean of <i>Ms</i>	Median of <i>SDs</i>	Median of <i>SE<sub>MS</sub></i>	Mean of <i>Ms</i>	Median of <i>SDs</i>	Median of <i>SE<sub>MS</sub></i>
Molders, Shapers, and Casters, Except Metal and Plastic	2.21	0.53	0.19	1.85	0.83	0.30
First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand	2.60	0.46	0.16	2.48	0.46	0.16
Commercial Pilots	2.87	0.46	0.16	2.76	0.46	0.16
Railroad Brake, Signal, and Switch Operators and Locomotive Firers	2.37	0.53	0.19	1.99	0.74	0.26
Ship Engineers	2.89	0.46	0.16	2.81	0.35	0.13
Transportation Inspectors	2.54	0.52	0.18	2.26	0.64	0.23
Laborers and Freight, Stock, and Material Movers, Hand	2.06	0.35	0.13	1.60	0.35	0.13