e-CF competence matrix for the German IT occupations

	KDM	KSM	FIAE	FISI	FIDPA	FIDV	ITSE
A. PLAN							
A.1. Information Systems and Business Strategy Alignment							
A.2. Service Level Management	3	3					
A.3. Business Plan Development	3						
A.4. Product/ Service Planning	2+	2+	2+	2+	2+	2+	2+
A.5. Architecture Design	3	3	3	3	3	3+	3
A.6. Application Design		1	2+				
A.7. Technology Trend Monitoring	3+	3	3	3	3	3	3
A.8. Sustainability Management	2+	2+	2+	2+	2+	2+	2+
A.9. Innovating	✓						
A.10 User Experience			3				
B. BUILD							
B.1. Application Development	1	1	3	1+	1+	1+	1
B.2. Component Integration				3		3	2
B.3. Testing	1	1	2	2+	1	2+	1+
B.4. Solution Deployment	1	2	2+	3	2+	3	2
B.5. Documentation Production	3	3	3	3	3	3	3
B.6. ICT Systems Engineering			2	3		3	3
C. RUN							
C.1. User Support		2					1+
C.2. Change Support	2	2	2	2	2	2	2
C.3. Service Delivery	2	2	2	2+	2	2	2
C.4. Problem Management	2	2	2	3	2	2+	2
C.5. Systems Management			1	3	1	3	2
D. ENABLE							
D.1 Information Security Strategy Development							
D.2. ICT Quality Strategy Development							
D.3. Education and Training Provision							
D.4. Purchasing	2	2					
D.5. Sales Development	1+	2					
D.6. Digital Marketing		2					
D.7. Data Science and Analytics	2		2		3+		
D.8. Contract Management	2	2+					
D.9. Personnel Development	1+	2	1+	1+	1+	1+	2
D.10. Information and Knowledge Management	3				3+		
D.11. Needs Identification	3+	3+	3+	3+	3+	3+	3+
E. MANAGE							
E.1. Forecast Development	2+	3	✓	✓	✓	✓	✓
E.2. Project and Portfolio Management	2+	2+	2+	2+	2+	2+	2+
E.3. Risk Management							2
E.4. Relationship Management	3	3	3	3	3	3	3
E.5. Process Improvement	3				3		
E.6. ICT Quality Management	2	2	2+	2	2+	2	2
E.7. Business Change Management	3	✓	✓	✓	✓	✓	✓
E.8. Information Security Management	✓	✓	✓	✓	✓	✓	✓
E.9. Information Systems Governance							
Transversal Competences							
T1 Accessibility				✓			
T2 Ethics	✓	✓	✓	✓	✓	✓	✓
T3 ICT Legal Issues	✓✓	✓	✓	✓	✓✓	✓	✓
T4 Privacy	✓	✓	✓	✓	✓	✓	✓
T5 Security	✓	✓	✓	✓	✓	✓	✓
T6 Sustainability	✓	✓	✓	✓	✓	✓	✓
T7 Usability	✓	✓	✓	✓	✓	✓	✓

Legend			Occupation	Code
Ticks against a blue background indicate a competence which is in line with the general competence description (dimension 2) of the e-CF.	✓		Digitalisation manager	KDM
Orange backgrounds indicate a profile-defining e-competence.	✓✓		IT system manager	KSM
Light orange backgrounds depict an e-competence which is partially profile defining.	3		Information technology specialist specialising in application development	FIAE
Figures refer to e-competence proficiency levels. These are defined from e-1 to e-5 and approximately equate to EQF reference levels 3 to 8.	3		Information technology specialist specialising in system integration	FISI
The plus sign shows that the next higher competence level has been achieved in part.	2+		Information technology specialist specialising in data and process analysis	FIDPA
			Information technology specialist specialising in digital networking	FIDV
			IT system electronics technician	ITSE