

Appendix A

Table 3

Questions identifying the architecture knowledge process

Goal: Identify AK Elements Q1.1 What is AK for you? Q1.2 What type of AK do you document and keep? Q1.3 Do you capture AK elements consistently in all projects, or do they differ between projects, and why? Q1.4 In your experience, what are AK elements that you miss or find particularly useful?
Goal: Identify AK Representation methods Q1.5 Do you know of any standard (e.g., ISO), notation or language to capture AK? Q1.6 In your experience, what is the most useful architecture documentation? Q1.7 If you think about your last project, in what format was the knowledge stored? Q1.8 What other tools or methods or ways do you use to capture AK?
Goal: Identify AK Communication methods Q1.9 Which stakeholders do you need to communicate AK with? Q1.10 If you think of your last project and the AK you have stored, how did you communicate the knowledge to your stakeholders? Q1.11 In general, what other tools or methods do you use to share and communicate AK?
Goal: Identify domain-specific and domain-generic methods Q1.12 Do you know certain methods for architecture knowledge which are exclusively valid or applied to your business domain? Q1.13 Can you think of any other AK methods that are general-purpose and that have not already been mentioned? Q1.14 In general, do you have to keep certain regulations or targets in mind (e.g., GDPR, sustainability targets, etc.) while representing or communicating AK in your business domain?

Table 4

Questions identifying sustainability fitness

Goal: To what extend is sustainability already addressed in professional practice Q1.1 What is IT sustainability for you? Q1.2 Are you aware of any IT related sustainability targets or measures in your organization/department? Q1.3 Do you consider sustainability aspects in your current role? If yes: what aspects of sustainability and how? If no: What hinders you? Q1.4 Do you capture and embed sustainability aspects in your daily work? If yes: what kind of sustainability aspects, and how? If now: what hinders you? Q1.5 If you would need to embed and capture sustainability in your daily work, how and where would you address it? Q1.6 If you would need to include (sustainability) KPIs in architecture documentation, how and where would you include it?

Table 5

Questions for architecture panel

Goal: Identify relevance, feasibility, and potential impact of each recommendation <i>for each identified recommendation:</i> Q1.0 Is the recommendation already implemented into current practice? Q1.1 To what extend is the recommendation relevant? Q1.2 To what extend is the recommendation feasible in the current way of working? Q1.3 What would be the impact of having the recommendation implemented?
Goal: Evaluate integration into current way of working and develop action plan Q1.4 Do the recommendations still hold in the overall process? Q1.5 What are the trade-offs on the overall process? Q1.6 Where would you start? Would you start bottom-up or top-down? Q1.7 How could an Action Plan for your company look like?