Regulations for the Oral Exam DEMO-4 Prof

In case it is not possible to arrange a written exam session, an on-line oral exam can be taken to get the DEMO-4 Professional diploma. The exam will be conducted by two examiners. The evaluation takes place right after the exam session. The nominal duration of an oral exam is 45 minutes.

The basis for an oral exam is a DEMO model of some case that the candidate submits beforehand. During the exam session, the aspect models are discussed and additional questions concerning the methodology may be asked.

The candidate can earn 60 points for the submitted models and 40 points for the discussion and the answers to the questions. The exam is open book, which means that the candidate may consult all course materials on the spot. One can register for an oral exam by e-mailing to exam@demo.nl

In more detail, the candidate must submit the following items:

- A narrative description of the case (max 500 words). This description defines the SoI to be modelled.
- A written account of having performed OER step 1: the PIF analysis of the case description.
- A written account of having performed OER step 2: identification of the transaction kinds and actor roles in the SoI. The result must be presented in a TPT. NOTE: the number of transactions kinds should be between 4 and 7. If the actual number is out of this range, the candidate should adapt the case description so that the requirement is met.
- A written account of having performed OER step 3. The result must be presented in the next way:
- 1. Regarding the CM: one or more CSDs, together covering the TPT.

- 2. Regarding the PM: one or more PSDs, together covering the CM.
- 3. Regarding the FM: one or more OFDs, together covering the CM. If applicable, one or more DFSs should be provided. In addition, the BCT must be produced.
- 4. Regarding the AM: the minimal requirement is to produce the ARS for settling the request event of some transaction kind, and the ARS for settling the promise event of a transaction kind to which at least one wait condition applies.
- A written account of having applied the sapience 'verification by instantiation' to the produced models. This applies in particular to the CM, the FM and the AM.
- A written account of having applied the sapience 'validation from ontology' (OER step 4) to the produced models.
- A written discussion of how the performance of the enterprise, as defined by the case description, could be improved by change(s) in the construction or operation of its organisation. The candidate should also indicate which organisational layers (O, I or D) would be affected, and whether it regards the ontology or the implementation of the organisational layer. Changes in the O-organisation should be presented in a revised essential model of the SoI (CM, PM, FM and AM).

Submission requirements:
- One should submit all documents (descriptions, diagrams, tables, etc.) in PDF.
- All materials must be submitted by e-mail to exam@demo.nl, at least 5 working days prior to the examination date.