Appendix - AOM Goal Model

The agent-oriented goal model for BlockVoke follows the notation given in Figure 1

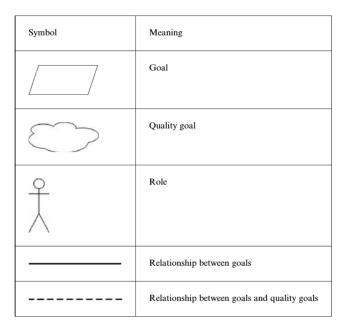


Fig. 1: Goal model notation [1]

The goal hierarchy is divided into multiple figures for readability. For this reason, the goals with additional hierarchy in another figure is denoted with a grey background. Figures 2, 3, 5, 4, 6, 7 show the complete agent-oriented goal model for BlockVoke.

References

1. Sterling, L., Taveter, K.: The Art of Agent-Oriented Modeling. MIT Press (2009)

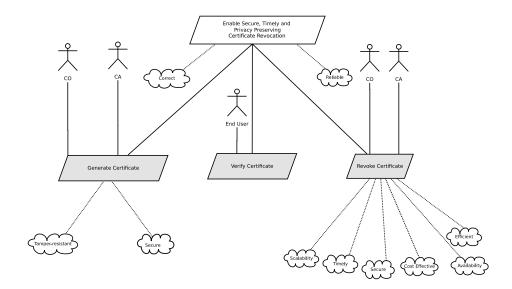


Fig. 2: Top-level AOM goal model for BlockVoke

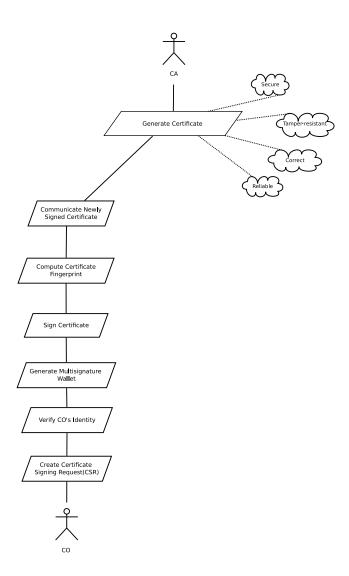


Fig. 3: Goal model for 'Generate Certificate'

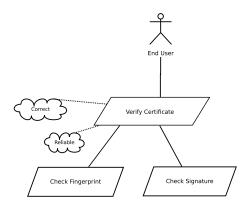


Fig. 4: Goal model for 'Verify Certificate'

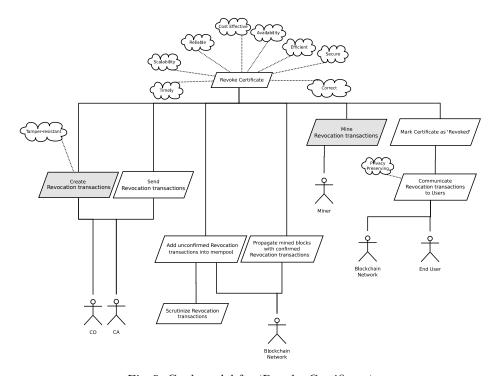


Fig. 5: Goal model for 'Revoke Certificate'

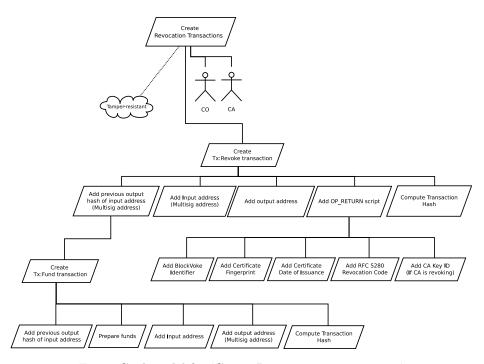


Fig. 6: Goal model for 'Create Revocation Transactions'

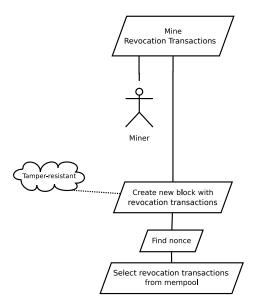


Fig. 7: Goal model for 'Mine Revocation Transactions'