

Printing using the OV-chipcard

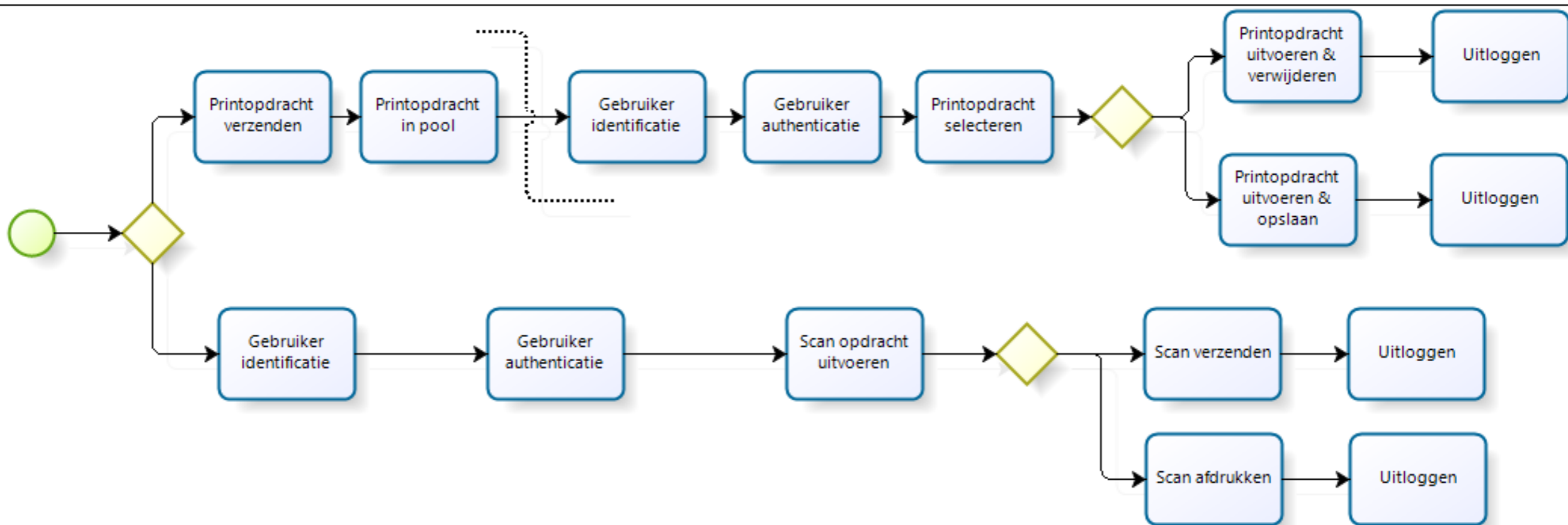
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Printing



Process 1



powered by
BizAgi
Process Modeler



Printing



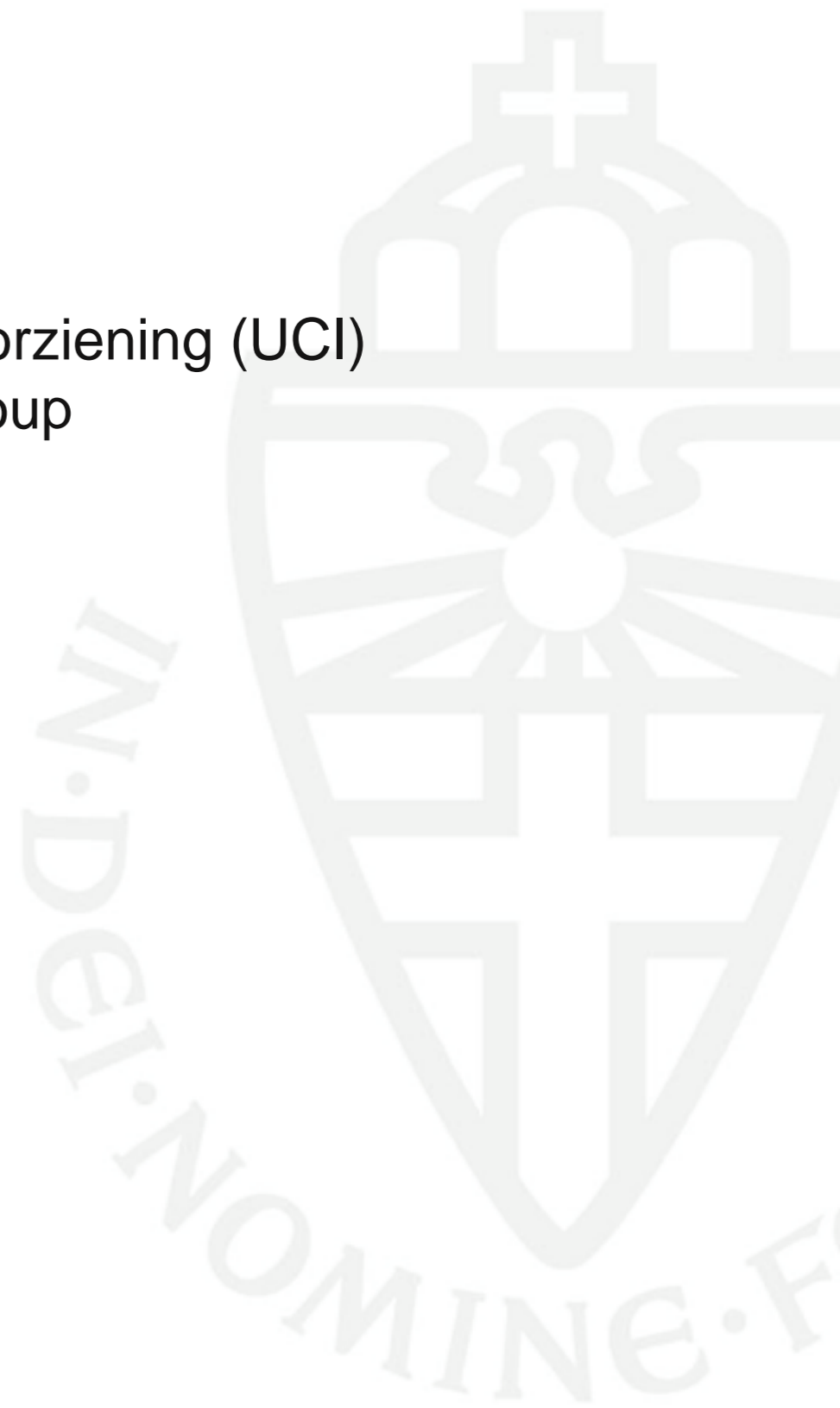
Research question

Are the new printing facilities of the Radboud University properly prepared for possible (security related) attacks?

- How will the new printing work, from digital document to physical document?
- Is the Mifare chip a specific risk in the new system?
- What are the security issues in this system?

Research set up

- Interview at the Universitair Centrum Informatievoorziening (UCI)
- Interviews with members of the Digital Security group



Outcome

- Security measures insufficient
 - Minimum length PIN code
 - Equitrac
- Many vulnerabilities
 - OV-chipcard can be copied easily
 - OV-chipcard is switching from the Mifare to the SmartMX chip
 - Logging out
 - Availability
- Missing features and aspects
 - Print counter / logfiles
 - Group budget
 - Single sign-on?

Conclusions

Are the new printing facilities of the Radboud University properly prepared for possible (security related) attacks?



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No