How can we analyse legal aspects of risk in trust management?

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Agenda

Trust

Legal risk management

Modelling risk in a legal context

Case study

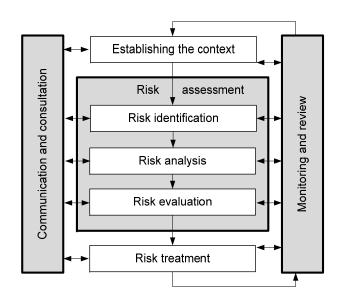
Legal risk management

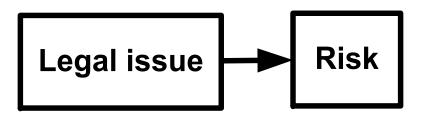
Risk management (ISO standard)

Legal management of risk

Management of legal risk

- Risk related to a legal issue
- Analyse how it contributes to risk





Legal issue



A set of facts



Assessed under a set of legal norms

Risk



Risk is the effect of uncertainty on objectives (ISO)

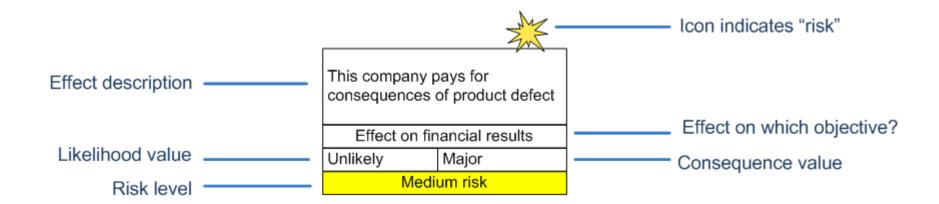
Uncertainty

- Likelihood estimate
- How model legal uncertainty?

Consequence value

Risk level: high or low risk?

Modelling risk



Why would this company decide to pay?



1) There may be a product defect (likelihood: probability/frequency)



2) There may be an obligation to pay (legal uncertainty?)

Legal uncertainty



Legal assessment of "facts": No causality, reasoning!

If this happens, must we pay for it and how much?

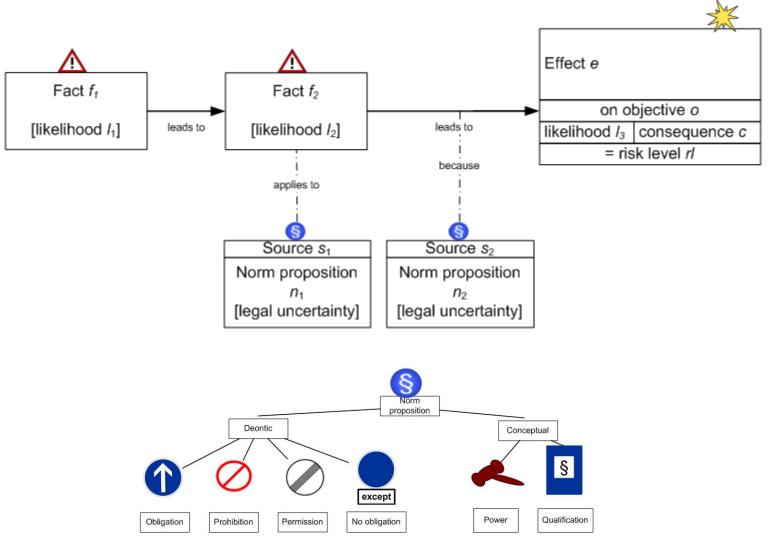
Likelihood?

- Norms have no truth value and can't be likely or unlikely
- Norm proposition can be likely
 - Descriptive statement about norm
 - You are probably obligated to pay.
 - Likelihood of the proposition being affirmed by competent lawyers
- Limitation
 - Does not state for what reason is this uncertain. Incomplete information?

Lawyers' alternative strategies to communicate legal uncertainty

- Open legal questions
- Describe reason for uncertainty; mention aspects on which the result of the legal assessment depends

Modelling legal issue and risk



Case study results

Case study

- Large industrial contract, long-term commercial relationship; trust?
- Risk assessment from one contractor's perspective
- Collaboration between lawyers, managers and engineers

Evaluation



 Lawyers were able to prioritize better, based on understanding of factual uncertainty ⁽²⁾



- Graphical modelling of norm propositions increased understanding by non-lawyers ©
- Modelling of legal uncertainty: inconclusive
- Time consuming! OK for selected large scale contracts

A word of thanks

- To the audience, for your attention
- To the ENFORCE project members, for extremely helpful discussions and advice