



## Multi Media Workplace of the future - MAP

The project Multi Media Workplace of the future - MAP<sup>[1]</sup>, one of six lead projects in the area of human-technology-interaction sponsored by the German Federal ministry of Economics and Technology, focused on the realisation of a multimedia, multi-modal and mobile, multi-modal agent based working environment.

Within the project, provet has been doing research on the field of legal acceptability of the MAP system.

Autonomous software-agents and digital assistants can yield great profit by improving the working situation of the users of MAP. However, they also cause legal problems and risks for the user and third persons, as the enterprise itself, clients, or others. E.g. the MAP could be abused to monitor behaviour and human work performance or to generate user profiles. Without effective protection systems malicious host servers could spy out roaming agents, provide wrong or misleading information, or start unauthorised transactions.

The protection and promotion of the rights of users and other people therefore

was one major concern in planning and designing the MAP.

Provet actively accompanied the development of the MAP and analysed the legal aspects involved. The objectives were to define legal demands on the design of MAP and to develop a set of criteria for a responsible-minded and reliable technology design in general as well as concrete proposals for technical and legal implementation.

Legal research concentrated on the following six key subjects:

- Privacy
- Self-determination of communication
- Legally binding effects
- Responsibility
- Confidentiality
- Development of an comprehensive security infrastructure

The proposals for the technical and legal implementation have been successfully tested in field tests and simulation studies.

**Project Partners**

The following enterprises and institutions were partners in the MAP- project: Alcatel SEL AG; ATIP; CAPCom GmbH; crcp center for research on communication and planning gmbh; Forum Soziale Technikgestaltung; Fraunhofer Gesellschaft - Institut für Graphische Datenverarbeitung (IGD); Institut für Sozialwissenschaftliche Forschung ISF München e.V.; Nemetschek AG; Siemens AG; SMI Cognitive Software GmbH; SoftTech GmbH; TU Darmstadt - Fachge-

biet Graphisch-Interaktive Systeme; TU Dresden - Institut für Pädagogische Psychologie und Entwicklungspsychologie; Universität Kassel - Projektgruppe für verfassungsverträgliche Technikgestaltung (provet); Wenk Systems GmbH; Zentrum für Graphische Datenverarbeitung (ZGDV) e.V.; ZN Vision Technologies AG

The MAP research project is supported by the German Federal Ministry of Economics and Labour.

**Link:**

<sup>[1]</sup> <http://www.map21.de>

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**Support:**

German Federal Ministry of Economics and Labour

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