

## Curriculum Vitae of ir J.P.M.M. Vis

### Personal data

Name : Jan Vis  
Date of birth : October 12, 1946  
Nationality : Dutch  
Mobile phone : +31 6 2451 4776  
E-mail : [jan@visconsultancy.eu](mailto:jan@visconsultancy.eu)  
Web : [www.visconsultancy.eu](http://www.visconsultancy.eu)



### Formal Education

1969-1976 : Technical University Delft – Electrical Engineering  
1979 : Fully qualified instructor for computer sciences  
1980-1982 : University of Leiden – 1981: first year examination in the science of law

### Job history

2011 - : Owner Vis Consultancy  
1993 - 2011 : Ministry of Transport, Rijkswaterstaat  
1991 - 1993 : BSO / AT (currently called Atos Origin)  
1984 - 1991 : Cap Gemini Pandata (currently called Cap Gemini)  
1979 - 1984 : Dutch PTT, Dr Neher research laboratory  
1977 - 1979 : Instructor Computer Sciences, Municipal College of Technology in the Hague

### Technical / legal courses

System development : SDM, DOORS, Structured Design, Testing, UML, Project management, IT contracts, Copyright law  
Security : Network security, Cryptographic security, Smart cards, Risk-management  
Data communications : ASN.1, Data network design, Local area networks, advanced SNA, ISDN, Telecommunications Law etc.  
Databases : Data modelling, Pholas Internals, Express  
Programming languages : APL, Lisp, Simula, ADA, Fortran, Object Pascal, R, Swift

### IT experience

IT : Project management, Definition studies, Specifications  
Data base systems, Data communications, Technical IT systems  
Traffic systems : Toll systems, Electronic vehicle identification, Dynamic traffic management systems

### Linguistic skills

|                      | Written    | Read    | Spoken     |
|----------------------|------------|---------|------------|
| Duth (mother tongue) | Fluent     | Fluent  | Fluent     |
| English              | Fluent     | Fluent  | Fluent     |
| German               | Elementary | Average | Elementary |

## **Publications** (see [www.visconsultancy.eu](http://www.visconsultancy.eu) for details)

- Several publication on interoperability and the security of toll systems
- Electronic Registration Identification (ERI), a promising standard, J. Vis and K. Evensen, ITS'02, Madrid
- A system concept for an Electronic Registration Number (ERN), J. Vis, ITS'01, Sydney
- Kaarten voor verkeersmanagers (Maps for traffic operators), J. Vis, H. Ticheloven and C. Sliepen, Gis Nieuws 98-3 and Geodesia 98-10
- Report of a pilot: Database oriented production of stylised traffic management maps, C. Sliepen, J. Vis en H. Ticheloven, ITS'98, Seoul.
- Validation of an Operator Support System, C. de Wijs en J. Vis, ITS'97, Berlijn
- Standardised datacommunications and information exchange: a requirement for the integration of Motorway Management Systems, D. de Winter en J. Vis, ITS'97, Berlijn
- A simple LAN performance measure, Computer Communication Review, J. Vis, January 1994
- Lan-capaciteit berekenen op de manchet (Calculating LAN capacity on a cuff), Telecommagazine, J. Vis, november 1993
- Co-author of several chapters of "SDM for Communication Networks", Rijswijk, 1989

## **Relevant professional experience**

- |                                                       |   |                                                                                                                                                                                                                                                       |
|-------------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2014 -                                                | : | ➤ Development of an app for the recognition of teeth grinding sounds                                                                                                                                                                                  |
|                                                       |   | ➤ Co-operating with ACTA (see <a href="http://www.acta.nl">www.acta.nl</a> ) on the analyses of sound recordings                                                                                                                                      |
| 2011-2012                                             | : | ➤ Building my own website                                                                                                                                                                                                                             |
|                                                       |   | ➤ Revision of the membership software for an association                                                                                                                                                                                              |
| Tolling International                                 | : | ➤ Member Stockholm group (a public authorities platform on interoperability)                                                                                                                                                                          |
| 1996 – 2011                                           |   | ➤ EU Committee 'Comité Télépéage' (Toll Committee)                                                                                                                                                                                                    |
|                                                       |   | ➤ Dutch expert in the ISO and CEN working group on Electronic Fee Collection (EFC) and active participation in subgroup: <ul style="list-style-type: none"><li>○ sg1 on Architecture and security</li><li>○ sg5 on GNSS (GPS) based systems</li></ul> |
|                                                       |   | ➤ Participating in the EU projects Cesare III and IV                                                                                                                                                                                                  |
|                                                       |   | ➤ Review toll aspects ITS America 1996 (Ertico project)                                                                                                                                                                                               |
| Tolling Dutch projects                                | : | ➤ Technical advisor of the policy department of the ministry of Transport on interoperability for toll systems and the European Electronic Toll Service (EETS)                                                                                        |
| 1999 – 2011                                           |   | ➤ Advisor for the architecture of the Dutch 'Kilometerheffing' system                                                                                                                                                                                 |
|                                                       |   | ➤ Advisor for the international (legal) aspects for the Dutch 'Kilometerheffing' system                                                                                                                                                               |
|                                                       |   | ➤ Advisor for the architecture and, in particular, the communications aspects of the Dutch 'Rekeningrijden' project                                                                                                                                   |
|                                                       |   | ➤ Project leader for the definition study, specification, and design of the 'Rekeningrijden' management system.                                                                                                                                       |
| Electronic Vehicle Identification (EVI) International | : | ➤ Participating in the Ertico "Feasibility Study on Electronic Vehicle Identification" working packages User Requirements, Architecture, Assessment, and Conclusions                                                                                  |
| 2001 – 2013                                           |   | ➤ Editor of the draft CEN standard on Electronic Registration Identification (ERI) - Part 3 Vehicle                                                                                                                                                   |

- Related Data
- Editor of the draft CEN standard on Electronic Registration Identification (ERI) - Part 4 Secure communications
  - Dutch expert in TC278/WG12 Automatic Vehicle Identification / Automatic Equipment Identification
- Electronic Vehicle Identification (EVI) : ➤ Technical advisor for the policy department of the Dutch ministry of Transport on EVI
- Dutch projects 1999 – 2003
- Project leader for an Assessment of Technologies for EVI
  - Project leader for the drafting of a protection profile for in-vehicle EVI equipment
  - Project leader technical aspects of an introduction strategy for EVI
- Other ITS related Dutch projects : ➤ Review of Definition Studies and Specifications
- 1993 - 2010
- Assessment of all the Dutch systems for dynamic traffic management
  - Acting head of the Traffic Systems Development department of Rijkswaterstaat
  - Design of a NTCIP extension for graphical displays
  - Specification of a GDF based formal model of road networks
  - Research on user interfaces for traffic management centres using stylised screen maps
  - Responsible for roadside architecture studies
  - Project leader for a distributed system to support dynamic traffic management operations
- Collection of IT projects : ➤ Project leader in the initial stage for the specification and design of an authorisation system for intelligent network and credit card services.
- 1984 – 1993
- Author of the module for a course on Network Management for an Institute of Technology
  - Author of the module Project Management and Implementation for a course on Telematics and Logistics on an Institute of Technology
  - Specification and design of a control system for the execution of test for a fully automated container terminal
  - Several projects with regard to the corporate datacommunications infrastructure.
  - Member of the Dutch Standard Institute committee for Information Retrieval, Transfer and Management for OSI
  - Second opinion for a new datacommunications infrastructure for a medium sized banking organization.
  - Advice on the organisation for managing the data and telecommunications infrastructure for data and voice in a PTT telecommunications district
  - Responsible for a network support team for the development and operations of a nation wide SNA network for the PTT Postal Services

- Advice on several pilot project for e-mail
- Design and implementation of a multi-vendor corporate datacommunications infrastructure for a ministry.