



SOUTH AFRICAN ROAD FEDERATION

*presents a 2 day Virtual course
on*

HDM 4 (THE HIGHWAY DEVELOPMENT AND MANAGEMENT)

**PRESENTER
Prof Alex Visser**

**Wednesday 6th - Thursday 7th
October 2021**

Virtual Via MS Teams

**Delegates can claim
2 ECSA CPD points**

INTRODUCTION

The Highway Development and Management package (HDM-4) is a Windows based updated version of the highly popular and extensively used HDM-III planning model. HDM-4 was released at the end of January 2000, and subsequently improvements were made and version 2.0 was released in 2005, and developments and updates are continuing, including in South Africa. It was developed by international groups, particularly the World Bank, under the coordination of the University of Birmingham. This package forms the evaluation engine of many pavement management systems around the world, including the Asset Management system being used by provincial and metropolitan authorities in South Africa. Having attended the "Training-the-trainer" course Prof Visser is accredited to run training courses.

COURSE OBJECTIVES

The objective of the course is to provide hands-on experience and training with using HDM-4 and analysing the results. Background to the structure and models will also be provided.

WHO SHOULD ATTEND

Engineers, economists and technologists who would be involved in project analyses or road management functions would benefit from this course. Prior knowledge of road management is not required, but knowledge of working in the Windows environment would be essential.

AVAILABILITY OF COMPUTER SOFTWARE

The HDM-4 products consist of the HDM-4 software, example case study data sets, and the HDM Series of documents. This is available on www.hdmglobal.com. Delegates should use a PC or desk top computer, which runs on Windows XP or Windows 10 (preferred). HDM-4 will be installed on the delegates' computer; delegates who have purchased the package will have the full version, whereas other delegates will receive the limited scope demonstration version at no cost. Some company computers may require administrator rights for installation.

COURSE OUTLINE

- ❖ HDM-4 overview, including economic analysis
- ❖ Installing and use of the package
- ❖ Project analysis – worked example
- ❖ Calibrating road deterioration
- ❖ Calibrating road user effects
- ❖ Road works effects and work standards
- ❖ Programme concepts
- ❖ Strategy concepts
- ❖ Implementation of HDM-4 within road management systems

COURSE PRESENTER

Prof Alex Visser, PrEng

Retired as SA Roads Board Professor of Transport Engineering, University of Pretoria. Attended the training course at Birmingham University, and has been closely associated with the development of HDM-4.

SARF Members	R 3 500
Non-SARF Members	R 3 950

***Interested delegates should
register on-line:
www.sarf.org.za***

Terms and conditions apply

***Registrations close on
Friday 1st October 2021***

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