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### Subject: TMap® / TPI® newsletter - March 2005

Dear TPI and TMap colleague,

Through this email we provide the latest news on TPI and on TMap. The newsletter is sent between 2 and 4 times a year.

#### Contents:

1. New paper and tools: Business Driven Test Management + Estimation tools
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7. CARS for TMap

For Dutch readers only:

8. TMap Test Topics seminar 30 maart

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#### 1. **New paper and tools: Business Driven Test Management + Estimation tools**

Business Driven Test Management (BDTM) is the new way how to define a test strategy in TMap. Testing of software should be based on the business risks for the organisation in using that software. In practice, the test manager often takes the steps to go from risks to test coverage in an intuitive way. In BDTM, the steps to define a testing strategy are made explicit. Leading terms in BDTM are: time, cost, risk and benefits. Especially this last point is not often addressed in testing.

BDTM gives all parties involved better insight and provides a sound basis for negotiating testing depth. It aims at giving the business (customer) or project manager control over the test process, while the test manager remains in the driving seat. The test process is followed from start (planning) to end (reporting), discussing the specific aspects of BDTM. Discussing risks and testing in the above way proves in practice to be real eye-openers for all parties concerned. This also enables negotiating about testing depth/coverage by letting the customer choose what should be tested how thoroughly. Stepwise defining of the test strategy can be used for any test level and also for an overall strategy, including and co-ordinating all test levels and even inspections.

At the website [www.tmap.net](http://www.tmap.net) you can find a paper explaining BDTM, including two (Excel) tools for estimating the test effort. The first one is generic, the other is on Test Point Analysis. Access to paper and tools is usually restricted to customers, relations and employees of Sogeti. **However, they can be downloaded for free until March 21, after**

### that you need an access code.

BDTM will also be published in the TMap Test Topics book.

### 2. TPI survey 2004

In October and November we conducted a(nother) survey on test process improvement, as a follow-up of our 2001/2002 survey. We asked you as a subscriber to participate. In total 99 people have participated. The results are described in a report. Some highlights are:

- 61% of the people responded that implementation of TPI lead to better software quality e.g. less failures in production
- 83% of the people responded that implementation of TPI lead to (much) better testing control
- 77% of the people responded that the return on the TPI investment is (very) good.
- In the software industry, measurement is still the exception. In only 17%, the results of TPI were measurable.
- The two main factors that had a positive influence on the implementation were management commitment (23%) and involvement of people within the test process (23%). As a negative influence, 18% answered unrealistic expectations.
- 92% of the people responded that the contribution of the TPI-model to the improvement process is (very) good.

If you are also interested in the collected, worldwide TPI experiences of the last few years: you can download the document at [www.sogeti.nl/tpi](http://www.sogeti.nl/tpi), "Report TPI survey 2004".

### 3. TPI Automotive

In modern car electronics, testing is an important part of the hardware and software development process. The growing complexity of this process demands the enhancement of the development process and therefore also of the test process. TPI offers an instrument to stepwise improve the test process. Initiated by the German automotive industry, the development of TPI Automotive was started in 2003 (and finished in 2004). The objective was to create a model with all the ingredients of the existing TPI-model but 'translated' and extended to cover the automotive peculiarities. You can download the TPI Automotive version from the website ([www.sogeti.nl/tpi](http://www.sogeti.nl/tpi), "TPI Automotive")



### 4. Progress of new book "TMap Test Topics"

As announced in the previous newsletter, the Dutch TMap Test Topics book will be translated in English. At this moment, we are working hard on the translation. The publication is expected mid 2005 (yes, a little later than stated in the previous newsletter). The book consists of several actual IT topics and their relation with TMap. Some of the topics can be found as individual papers on this website. The book topics are:

- *Business driven test management (BDTM)*
- *TMap-light*
- *Outsourcing testing*
- *Testing and QA of package implementations*
- *Iterative and component based development*
- *Testing datawarehousing/business intelligence*
- *End-to-end testing*
- *Exploratory testing (ET)*
- *TMap and RUP*
- *Case study: TMap and DSDM*
- *TMap and PRINCE2*

### 5. TPI checkpoints translated in Portuguese

Another translation of the checkpoints has been added to the site. This time, it's in

Portuguese. Mr. Martin Tornquist of T&M Testes de Software in Brazil has made the translation, the document can be found at [www.sogeti.nl/tpi](http://www.sogeti.nl/tpi), "Other languages".

#### 6. **TPI tutorial and presentation at ICSTEST in Düsseldorf**

From April 5 - 8, the annual ICSTEST conference will be held in Düsseldorf, Germany. Both a TPI tutorial and a presentation "Stepwise improvement of the test process using TPI" will be given. For more information, please visit [www.sqs-conferences.com](http://www.sqs-conferences.com).

#### 7. **CARS for TMap**

Compuware and Sogeti have worked together to create an integrated quality management solution comprised of TMap® (Test Management Approach) and the Compuware Application Reliability Solution (CARS). CARS is a comprehensive quality management solution that combines quality assurance tools with a proven methodology and testing expertise to help organizations improve control over application delivery. Certified professionals, whose expertise is quality assurance and management of business risk, deliver the CARS solution to customers to help improve the quality of new applications and reduce the risk of IT failure. This combined solution, "CARS for TMap®," automates TMap process management and reporting, making the software testing process faster, while increasing the level of management control to deliver high quality applications. CARS for TMap has been introduced in January and February with seminars in the Netherlands, France and Sweden. Presentations of these seminars can be found at [www.tmap.net](http://www.tmap.net), "TMap/downloads/CARS for TMap". More information: [www.compuware.com](http://www.compuware.com) or [www.compuware.nl](http://www.compuware.nl).

For Dutch readers only:

#### 8. **TMap Test Topics seminar 30 maart**

Op het alweer zesde TTT-seminar zijn we er opnieuw in geslaagd een drietal zeer actuele onderwerpen voor u te selecteren:

- **Test Driven Development**, *'Test before code'*
- **Kwaliteit van requirements**, *Iedereen wil 't, maar wie doet 't?*
- **Offshoring en testen**, *Mooi van ver, maar verre van mooi*

Sprekers zijn respectievelijk Laurens Bonnema, Tinus Vellekoop en Tim Koomen. Het seminar vindt plaats 's ochtends 30 maart a.s. in De Blokhoeve in Nieuwegein, gelegen aan de A12. De routebeschrijving ontvangt u bij de bevestiging van uw aanmelding. Hierbij nodig ik u van harte uit dit gratis seminar bij te wonen. Inschrijven kan via [www.sogeti.nl](http://www.sogeti.nl).

If you have any suggestions, remarks or questions, please email to [tpi@sogeti.nl](mailto:tpi@sogeti.nl) or [tmap@sogeti.nl](mailto:tmap@sogeti.nl).

Kind regards

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