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**ACMC CMM and Dimensional Metrology Workshop**

The Association for Coordinate Metrology Canada (ACMC) is pleased to announce the 2006 ACMC Annual Workshop. This internationally-recognized annual event is in its 11th year and again we have organized an agenda with excellent presentations given by renowned metrology experts from around the world on subjects such as probing, GD&T, CMM – CAD integration, laser scanning, etc.

We cordially invite you to participate! Our conference is not limited to Canadians and everybody is welcome!

This year the meeting will be held at the Institute for National Measurement Standards, National Research Council Canada in Ottawa, Ontario on June 22-23, 2006. Please visit and bookmark our web site: <http://www.acmc-canada.ca> . Just click on the ACMC 2006 Workshop to find information about the Agenda, Presentations, Accommodation, etc. For first-time participants, the web site's "AGM Archives" section provides a good overview of our meetings of previous years. Bring your friends and family, stay the weekend, and tour Canada's capital city.

If you have any questions, please do not hesitate to get in touch with any of the Steering Committee Members at Contact Us, or our INMS Administrative Assistant, Debbie Black, at (613) 990-2999 ([debbie.black@nrc.ca](mailto:debbie.black@nrc.ca)).

Looking forward to seeing you in Ottawa.

Kostadin Doytchinov  
ACMC Secretary  
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**Origin Webinar Session Reminder**  
Translating & Organizing Files from other CAD Systems

Transferring files from one CAD system to another can be a challenge at times. Some problems can be prevented by pointing to an option file that is flavored to a particular CAD system.

This Webinar session will cover things to be aware of when translating an IGES or STEP file.

Some companies deal with large files that get very difficult to work with. Tips will be covered on how on to cut down on the size as they are translated and then organizing your data after you bring it into CheckMate.

The "Translating & Organizing Files from other CAD Systems" Webinar session will be presented Tuesday, June 6th at 11:00 AM EST.

Registration for this Webinar is free to all customers with a current annual support plan with Origin International.

Select on the following link to register for this Webinar. You will receive a confirmation along with information on how to join.

**Register for Origin's Webinar Session on Tuesday, June 6<sup>th</sup> at 11:00 am Session by selecting the following link.**

<https://origin.webex.com/origin/k2/j.php?ED=90255027&UID=46430047>

## CheckMate 10 Shipment Update News

There is good news and bad news. The bad news is that CheckMate 10 has not shipped yet, but keep in mind that CheckMate 9 updates are going out weekly as needed by customers. Most all enhancements are focused on CheckMate 10 but if they have been simple request then they have been added to CheckMate 9 and sent out as requested.

CheckMate has always been a customer driven software so updates are sent out continuously between major releases.

The good news is the reason for the delay. Origin wants to include the new product, Dimensional Planner in the CheckMate 10 shipment for all our customers. After the 1<sup>st</sup> round of preliminary testing, it was determined it would be nice to have tolerance labels and ordinal labels added along with several other procedures automated to a one click command. The 2<sup>nd</sup> round of testing will go to some selected customers towards the end of next week and once those customers are satisfied shipping will go to the remaining customers. Following is an overview of CheckMate Dimensional Planner.

CheckMate Dimensional Planner is the new base product offering from Origin in version 10 replacing CheckMate Expert Modeler.

Dimensional Planner is able to produce a plan of all the FD&T that you see on a typical customer print.

By producing the FD&T plan we mean the labeling and ballooning of all the features, dimensions and tolerances.

The value customers expect to achieve with Dimensional Planner are as follows:

- 1) Plan ahead – CheckMate Dimensional Planner enables you to easily and quickly prepare the dimensional plan early in the product development cycle to completely describe a product's dimensional requirements for all downstream steps
- 2) Easy to use – CheckMate Dimensional Planner is meant for use by anyone involved in planning a product's dimensional requirements, even the most casual user should be able to use the new “Easy Pick” approach to define a dimensional plan in CheckMate
- 3) Apply standards – CheckMate Dimensional Planner ensures all feature labels, dimensions (nominal sizes and locations), as well as tolerances are consistently defined and transferable in IGES, STEP and DMIS standard formats

- 4) Supply chain management – CheckMate Dimensional Planner enables you to configure, package and manage the files, in an electronic format, that fully describe the dimensional plan. These plans can be shared within your entire supply chain to maintain consistent communication of dimensional requirements throughout.
- 5) Re-use work – CheckMate Dimensional Planner work effort to prepare a dimensional plan is completely reusable for downstream product development steps
- 6) Interoperable plans – CheckMate Dimensional Planner output in DMIS format makes the dimensional plan interoperable with most modern DMEs/CMMs

The intent is to capture and standardize the naming of critical key features by stakeholder categories. This information is then sent on to downstream users who are part of the build and first article process. For example a standard package of these key features (including tolerances), CAD drawings and buyoff specifications would be sent to Tool suppliers, Gage and Fixture Manufactures, Quality departments and the necessary Tooling and Manufacturing engineers. This application is not intended to be used to develop a complete inspection plan for PPAP acceptance, or a program to run on an inspection device like a CMM.

Information can be captures and maintained in up to 9 categories thus facilitate easy monitoring during the build and manufacturing process.

Dimensional and Model information about these features is then sent to the suppliers in Industry standard formats, who will use this information to build tools, fixtures and gages. Buyoffs, will include these features, tolerances, and process capability. Measurement results can cross correlated owing to a standard label attached to the features during the capture process.

Stakeholders such as Tooling Engineers can have their tool suppliers send electronically, measured results taken during the tool build. After viewing these results with CheckMate Reporting and Analysis they can decide if changes will be necessary to the tool if these features are proving to be out of spec or more important that the process is not in control. All this accomplished without having to travel to verify the tool.