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To: General Release

From: Mauricio Terneus
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Re: TopoDOT Computer Requirements (#1005)

Background
TopoDOT® will perform well on moderately priced standard workstations or laptops meeting the following specifications.

Minimum:		**Recommended:**	
Processor:	Core 2 Duo 2.26 GHz	Processor:	Core i7 980x 3.33 GHz
Memory:	3 GB	Memory:	6-8 GB DDR3
Video Memory:	512MB	Video Memory:	1 GB (ATI Radeon HD 5570)
Operating System:	Windows XP 32 bit	Operating System:	Windows 7 64 bit.

CPU
Faster processor will speed up tool processing time. TopoDOT is not optimized for multiple cores, thus 6 or 8 core processors would be of no benefit for TopoDOT. Processor recommendation would be a current-generation Intel i5 or i7.

RAM
When loading data into TopoDOT to display / process, the data is loaded into RAM.

MicroStation is currently only 32-bit, so the process will cap out at about 3GB of RAM usage. In order to leave enough RAM for other programs and the operating system, the recommend amount is at least 6-8GB of RAM. However, Bentley is currently in the process of beta testing a 64-bit version of MicroStation, which will remove the RAM cap of the process. If you want to future-proof your workstation, 16GB of RAM should be sufficient.

Video Card
An entry-level dedicated video card is recommended, though MicroStation / TopoDOT has worked with Intel Integrated Graphics 4000 in the past. Workstation video cards are not necessary for TopoDOT.

Hard Drive
Hard drive speed will influence data load times as the hard drive read/write speeds will be the

bottleneck when the data is read from the hard drive and loaded into RAM. We've not done any tests with SSDs to give any substantial data on their impact with load times, but there will be an improvement.

Questions and/or Comments please contact:

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