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VMware Certified Associate
Data Center Virtualization

to

VIKAS KUMAR

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CERTIFICATION DATE: December 1, 2013
CANDIDATE ID: VMW-01285062W-00420650
VERIFICATION CODE: 12425916-9EE3-10239991EE7C
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A handwritten signature in black ink, appearing to read "Pat Gelsinger".

PAT GELSINGER, CHIEF EXECUTIVE OFFICER