Safe Harbor Statement

These slides and the accompanying oral presentation contain forward-looking statements and information. The use of words such as “may”, “might”, “will”, “should”, “expect”, “plan”, “anticipate”, “believe”, “estimate”, “project”, “intend”, “future”, “potential” or “continued”, and other similar expressions are intended to identify forward-looking statements. All of these forward-looking statements are based on estimates and assumptions by our management that, although we believe to be reasonable, are inherently uncertain. Forward-looking statements involve risks and uncertainties, including, but not limited to, economic, competitive, governmental and technological factors outside of our control, that may cause our business, industry, strategy or actual results to differ materially from the forward-looking statement. These risks and uncertainties may include those discussed under the heading “Risk Factors” in the Company’s most recent 10K and 10Qs on file with the Securities and Exchange Commission, and other factors which may not be known to us. Any forward-looking statement speaks only as of its date. We undertake no obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future events or otherwise, except as required by law.
We Live in a World of Data

More Devices
More Applications
More Data
Exponential Data Growth Everywhere

Source: IDC
HPC: High-Performance Compute
AI: Artificial Intelligence

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Exponential Data Growth Everywhere

- Higher Data Speeds
- Faster Data Processing
- Better Data Security

source: IDC
The More Data we Analyze, the More Powerful we get and the More we Can Do.

- Finance, Fraud & Insurance
  - Fraud Detection
  - Credit/Risk Analysis
  - High Frequency Trading

- Cloud, Web, Mobile, Retail
  - Image Tagging
  - Speech Recognition
  - Sentiment Analysis
  - Self Driving
  - Image / Facial Recognition
  - Logistics & Mapping

- Automotive & Transportation
  - Drug Discovery
  - Diagnostic Assistance
  - Cancer Cell Detection

- Medicine & Genomics
  - Surveillance
  - Image Analysis
  - Facial Recognition and Detection

- Security & Safety
  - Seismic Imaging
  - Reservoir Characterization
  - Subsurface Fault Detection

- Oil & Gas
  - Surveillance
  - Image Analysis
  - Facial Recognition and Detection
Data Growth is Driving Mellanox Growth

Exponential Growth of Data & Real Time Analytics Requires Mellanox High Throughput, Low Latency, Smart Interconnect Solutions

- Higher Data Speeds
- Faster Data Processing
- Better Data Security

Software Programmable SmartNICs

I/O Processing Units (IPU)

SmartNICs

Switches

Cables & Transceivers

SmartNIC: Smart Network Interface Card
Industry Leaders Choose Mellanox Solutions

5 of Top 6 Global Banks
9 of Top 10 Hyperscale Companies
9 of the Top 10 Oil and Gas Companies
3 of Top 5 Pharmaceutical Companies
10 of Top 10 Automotive Manufacturers
Business Success Depends on Mellanox

Deliver the Highest Data Center Return on Investment

Tier-1 Trading Institution
10x Reduction Of Latency

Tier-1 Fortune100 Web 2.0 Company
97% Reduction in Database Recovery Time

Military Systems
4x Higher Performance While Reducing System Footprint by 50%

Yosemite Platform with Multi-Host Technology
Lowers Total Cost of Ownership

NETFLIX
100k Concurrent Streams From a Single Server
For the Highest Quality Viewing Experience

Business Success Depends on Mellanox

Deliver the Highest Data Center Return on Investment

Tier-1 Trading Institution
10x Reduction Of Latency

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97% Reduction in Database Recovery Time

Military Systems
4x Higher Performance While Reducing System Footprint by 50%

Yosemite Platform with Multi-Host Technology
Lowers Total Cost of Ownership

NETFLIX
100k Concurrent Streams From a Single Server
For the Highest Quality Viewing Experience
Enabling Most Efficient Machine Learning Platforms

Allowing AI to Perform Critical & Real Time Decisions

- OCP Big Sur Artificial Intelligence Platform
- Real Time Fraud Detection
- Machine Learning System with 400Gb/s
- 18X Speedup For Image Recognition
- 4X Speedup For Image Recognition
- Data Analytics Image Recognition
- World Record For Data Sort, 3X Faster
The Smart Choice for HPC and AI Platforms
Delivering the Highest Data Center Return on Investment

- InfiniBand Accelerates the Fastest HPC and AI Supercomputer in the World (TOP500)
- InfiniBand Accelerates Six of the Top Ten Supercomputers in the World, Including the Top Three, and Four of the Top Five on June’s TOP500
- Mellanox InfiniBand and Ethernet Solutions Connect 296 Systems or 59% of Overall TOP500 Platforms, Demonstrating 37% Growth in 12 Months (June’18-June’19)
- HDR 200G InfiniBand Makes Its Debut on the June’s TOP500 List, Accelerating Four Systems Including the Fifth Highest Ranking Supercomputer
- Mellanox 25 Gigabit and Faster Ethernet Solutions Connect 63% of Total Ethernet Systems, Representing 124% Growth in 12 Months
- InfiniBand Connects Nearly 55% of the TOP500 HPC Platforms

Source: Top500.org
Mellanox Empowers Leading Storage Platforms

Delivering the Highest Data Center ROI
Mellanox is Enabling Data Centers of the Future - Today

Security | Data Insights | Real-Time

Software-Defined Network Intelligence

Performance | Efficiency | Scalability

Highest Performance 100Gb/s, 200Gb/s and 400Gb/s Interconnect Solutions
## Comprehensive End-to-End Portfolio

InfiniBand and Ethernet

<table>
<thead>
<tr>
<th>Category</th>
<th>Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>Software</td>
<td>Onyx, UFM, VMA, HPC-X, NEO</td>
</tr>
<tr>
<td>IPU &amp; NPU</td>
<td></td>
</tr>
<tr>
<td>Metro / WAN</td>
<td>metroEX, metroDX, metroDXi, metroDX2, metroDX2i</td>
</tr>
<tr>
<td>Switches/Gateways</td>
<td></td>
</tr>
<tr>
<td>SmartNICs/Adapters</td>
<td></td>
</tr>
<tr>
<td>ICs</td>
<td></td>
</tr>
<tr>
<td>Cables/Modules</td>
<td></td>
</tr>
</tbody>
</table>
Leading Supplier of InfiniBand and Ethernet End-to-End Interconnect Solutions

The Smart Choice for Intelligent Compute and Storage Platforms
## Highest Performance 100, 200 and 400Gb/s Interconnect Solutions

### ConnectX®-6 and ConnectX®-6 Dx Adapters
- 200Gb/s, 0.6us Latency
- 215 Million Messages per Second
- (10 / 25 / 40 / 50 / 56 / 100 / 200Gb/s)

### Mellanox Quantum Switch
- 40 HDR (200Gb/s) Ports
- 80 HDR100 (100Gb/s) Ports
- 16Tb/s Throughput, 15.6 Billion msg/sec

### Spectrum® 2 Switch
- 16 400GbE Ports, 32 200GbE Ports
- 64 100GbE Ports, 128 25/50GbE Ports
- Throughput of 6.4Tb/s

### BlueField®-2 I/O Processing Unit
- IPU and SmartNIC
- Programmable adapter
- Smart Offloads

### LinkX® Interconnect
- Transceivers
- Active Optical and Copper Cables
- (10 / 25 / 40 / 50 / 56 / 100 / 200 / 400Gb/s)
Enabling the Future of Machine Learning

HPC and Machine Learning Share Same Interconnect Needs
Mellanox SmartNICs Make Secure Cloud Possible

**Foundational NICs – Perimeter Security Only**

Traditional Security Model

**Mellanox’s SmartNICs – Secure Cloud**

Security Everywhere
High-Speed Ethernet Adapter Market is Significantly Growing

Source: Crehan Long-range Forecast - Server-Class Adapter-LOM-Controller, January 2019
TAM: Total Available Market
Spectrum Delivers Highest Data Center ROI

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexibility</td>
<td>10, 25, 40, 50, 100, 200 and 400 Gigabit Speeds, Variety of Port Configurations</td>
</tr>
<tr>
<td>Scalability</td>
<td>10X Better Scalability, Optimized Data Center Utilization and End-User Experience</td>
</tr>
<tr>
<td>Programmability</td>
<td>Programmable Flexible Parser and Packet Modifier, Support User-Defined Protocols</td>
</tr>
<tr>
<td>TCO</td>
<td>1.3X Lower Power Consumption Versus Competition</td>
</tr>
<tr>
<td>Performance</td>
<td>1.4X Lower Latency Versus Competition, Enable Real-Time Data Analysis and Insights</td>
</tr>
<tr>
<td>Open Ethernet</td>
<td></td>
</tr>
</tbody>
</table>
BlueField-2 IPU Driving Future Growth

- The New Generation of I/O Processing Units for Compute and Storage
- Platforms Broad Base of Customers Using ConnectX Can Seamlessly Transition to BlueField

On a Single Chip, BlueField combines:
- Market Leading ConnectX Adapter Technology
- ARM v8 Multicore Processors
- DDR4 DRAM Controller
- PCIe Gen-4 Switch

Security
Data Center Infrastructure Protection

Storage
Enabling NVMe-over-Fabric Storage Platforms

Machine Learning
The Most Efficient Machine Learning Systems

NFV
Higher Performance & Flexibility at Lower Cost

NFV: Network Function Virtualization
End-to-End Solutions for All Platforms

Unleashing the Power of all Compute Architectures

Highest Performance and Scalability for Intel, AMD, IBM Power, NVIDIA, Arm and FPGA-based Compute and Storage Platforms at 10, 20, 25, 40, 50, 100, 200 and 400Gb/s Speeds
Mellanox Overview

$1.33B
2019 Revenue

$7.13
2019 Non-GAAP EPS

$425M
2019 Cash Flow From Operations

$876M
2019 Ending Cash & Investments

~2,800
Employees worldwide

Company Headquarters:
- Yokneam, Israel
- Sunnyvale, California
- Worldwide Offices

Ticker: MLNX

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Mellanox Has A Long Track Record Of Delivering Breakthrough Technology

As Bandwidth Goes Up, Mellanox’s Competitive Advantage From its Leading Offload Engine Capability Increases

Leading Edge Products Across Technology Generations

- #1 in InfiniBand since 2004
- #1 in Ethernet NIC* since 2016 / 2017
- #2 in Ethernet Switch Silicon since 2017

Source: Crehan Research, Mellanox internal estimates
* 25G and above

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## Delivering Strong Financial Performance

### 2019 Financial Results

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
<th>YoY Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revenue</td>
<td>$1,331 million</td>
<td>+22%</td>
</tr>
<tr>
<td>Non-GAAP Gross Margin</td>
<td>68.3%</td>
<td>69.2% in 2018</td>
</tr>
<tr>
<td>Non-GAAP Operating Margin</td>
<td>28.9%</td>
<td>24.8% in 2018</td>
</tr>
<tr>
<td>Non-GAAP EPS</td>
<td>$7.13</td>
<td>+42%</td>
</tr>
<tr>
<td>Cash Flow from Operations</td>
<td>$424.8 million</td>
<td>+60%</td>
</tr>
<tr>
<td>Cash and Investments</td>
<td>$875.9 million</td>
<td>+100%</td>
</tr>
</tbody>
</table>

Reference reconciliation tables in back-up
Mellanox's Opportunity Is Significant with Multiple Growth Vectors

Mellanox’s strong product cycles and share gain momentum should allow the Company to grow substantially above the market at rates of mid-double digits or higher.

Source: Crehan Research, Linley Group, LightCounting
Note: Market segments may not sum to total due to rounding
Market Waves: 25 Gb/s and Above Ethernet Adapter

Each Transition to Faster Ethernet Adapter Speeds Represent a Multi-Year Growth Wave for Mellanox (10G ➞ 25G ➞ 50G ➞ 100G…)

Source: Crehan Long-range Forecast – Ethernet Adapter forecast, January 2019
Positioned for Significant Growth in High-Speed SmartNICs

- First to Market with 25/40/50/100/200 Gb/s Ethernet Adapters
- Broad and expanding portfolio of offload engines creates a competitive advantage - lowers TCO, improves operational efficiency

Mellanox Is the Market Leader in 25G+ Ethernet Adapters

- Mellanox 65%
- Broadcom 10%
- Intel 13%
- Others 12%

25G+ Ethernet Adapter Market Is Growing Rapidly

- $679M in 2019
- $1.7B in 2023

Source:
1Crehan Quarterly Market Share Server-Class Adapter-LOM-Controller 3Q 2019 25, 40, 50, 100 and 200 Gb/s Adapter
2Crehan Long-range Forecast - Server-Class Adapter-LOM-Controller, January 2019
Mellanox has Expanded into High-Growth Ethernet Market

Mellanox Revenue Breakdown

<table>
<thead>
<tr>
<th>Year</th>
<th>Ethernet</th>
<th>InfiniBand</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>$83</td>
<td>$338</td>
<td>$43</td>
</tr>
<tr>
<td>2019</td>
<td>$744</td>
<td>$566</td>
<td>$21</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year</th>
<th>Total Revenue</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>$464M</td>
</tr>
<tr>
<td>2019</td>
<td>$1,331M</td>
</tr>
</tbody>
</table>

25G+ Ethernet Switch and Adapter Market

<table>
<thead>
<tr>
<th>Year</th>
<th>Total Market</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>$3.1BN</td>
</tr>
<tr>
<td>2021E</td>
<td>$7.3BN</td>
</tr>
</tbody>
</table>

Source: Crehan Long-range Forecast – Data Center Switch, January 2018
Crehan Long-range Forecast – Server-Class Adapter-LOM-Controller, January 2019
# Broad Data Center Portfolio

Mellanox Now Has a Leading InfiniBand and Ethernet Product Portfolio Targeting the Data Center

<table>
<thead>
<tr>
<th></th>
<th>InfiniBand</th>
<th>High End Ethernet NIC</th>
<th>High End Ethernet Switch</th>
<th>Smart NIC</th>
<th>Cables and Transceivers</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mellanox</strong></td>
<td>#1 Since 2004</td>
<td>#1 Since 2016</td>
<td>#2 Since 2017</td>
<td>New Leading Technology</td>
<td>Rapid Share Gains</td>
</tr>
<tr>
<td><strong>Intel</strong></td>
<td>✔️</td>
<td>✔️</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Broadcom</strong></td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td><strong>Marvell</strong></td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td></td>
</tr>
</tbody>
</table>

Source: Crehan Research, Mellanox internal estimates
Delivering Record Financial Performance in 2019

Achieved $1.33 Billion in Annual Revenue

5-Year CAGR 23%


($ in Millions)

Generated $424.8 Million in Operational Cash Flow

5-Year CAGR 40%


($ in Millions)

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Quarterly Revenue Growth Trend

(\$ in Millions)

<table>
<thead>
<tr>
<th>Quarter</th>
<th>Revenue ($ in Millions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1Q17</td>
<td>$188.7</td>
</tr>
<tr>
<td>2Q17</td>
<td>$212.0</td>
</tr>
<tr>
<td>3Q17</td>
<td>$225.7</td>
</tr>
<tr>
<td>4Q17</td>
<td>$237.6</td>
</tr>
<tr>
<td>1Q18</td>
<td>$251.0</td>
</tr>
<tr>
<td>2Q18</td>
<td>$268.5</td>
</tr>
<tr>
<td>3Q18</td>
<td>$279.2</td>
</tr>
<tr>
<td>4Q18</td>
<td>$290.1</td>
</tr>
<tr>
<td>1Q19</td>
<td>$305.2</td>
</tr>
<tr>
<td>2Q19</td>
<td>$310.3</td>
</tr>
<tr>
<td>3Q19</td>
<td>$335.3</td>
</tr>
<tr>
<td>4Q19</td>
<td>$379.8</td>
</tr>
</tbody>
</table>
Consistently Generating Operational Cash Flow

($ in Millions)
Strong Balance Sheet

Maintained Stable Cash and Investments

$328 $274 $439 $876
2016 2017 2018 2019

($ in Millions)

Successfully Retired Debt

$219 $73 $0 $0
2016 2017 2018 2019

1 Reflects Term Debt
Focused on Profitable Growth
Delivering Strong Operating Leverage

<table>
<thead>
<tr>
<th>Quarter</th>
<th>Revenue</th>
<th>Non-GAAP Operating Profit</th>
<th>Non-GAAP Operating Margin</th>
</tr>
</thead>
<tbody>
<tr>
<td>1Q18</td>
<td>$251</td>
<td>$52</td>
<td>20.8%</td>
</tr>
<tr>
<td>2Q18</td>
<td>$268</td>
<td>$66</td>
<td>24.7%</td>
</tr>
<tr>
<td>3Q18</td>
<td>$279</td>
<td>$73</td>
<td>26.2%</td>
</tr>
<tr>
<td>4Q18</td>
<td>$290</td>
<td>$79</td>
<td>27.1%</td>
</tr>
<tr>
<td>1Q19</td>
<td>$305</td>
<td>$86</td>
<td>28.3%</td>
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<tr>
<td>2Q19</td>
<td>$310</td>
<td>$85</td>
<td>27.3%</td>
</tr>
<tr>
<td>3Q19</td>
<td>$335</td>
<td>$95</td>
<td>28.4%</td>
</tr>
<tr>
<td>4Q19</td>
<td>$380</td>
<td>$118</td>
<td>31.1%</td>
</tr>
</tbody>
</table>
Rated Highest ISS Corporate Governance Score

- Maintain the best ISS overall "QualityScore" of 1 since May 2017, indicating lowest risk

- ISS measures up to 80 factors to identify potential risks and concerns for investors in 4 categories:
  - Board Structure
  - Compensation
  - Shareholder Rights
  - Audit & Risk Oversight

- Scoring is entirely data-driven based on SEC filings by the Company and peers in the Russell 3000 Index
Summary

- Exponential growth of data creating significant opportunities for Mellanox ($19B TAM)
- Leading interconnect solutions supplier, offering technology that is critical to data center performance at the highest ROI
- Diversified business with comprehensive end-to-end Ethernet, InfiniBand and multi-core processor product portfolio
- Leading the transition to Exascale computing; first to market with 200G HDR InfiniBand with 400G NDR under development
- Benefiting from multi-year growth opportunities driven by the transition to 25G+ Ethernet technology
- Demonstrating revenue growth, strong cash flow generation and increasing profitability
Thank You
<table>
<thead>
<tr>
<th>Back-up Reconciliation Tables</th>
</tr>
</thead>
</table>

### GAAP gross profit to non-GAAP

<table>
<thead>
<tr>
<th></th>
<th>Q4'18</th>
<th>Q1'19</th>
<th>Q2'19</th>
<th>Q3'19</th>
<th>Q4'19</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross profit</td>
<td>$190</td>
<td>$197</td>
<td>$200</td>
<td>$218</td>
<td>$251</td>
</tr>
<tr>
<td>Share-based compensation expense</td>
<td>-</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Amortization of acquired intangibles</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td>Non-GAAP gross profit</td>
<td>$200</td>
<td>$208</td>
<td>$211</td>
<td>$228</td>
<td>$262</td>
</tr>
<tr>
<td>Non-GAAP gross profit %</td>
<td>69%</td>
<td>68%</td>
<td>68%</td>
<td>68%</td>
<td>69%</td>
</tr>
</tbody>
</table>

### GAAP operating expenses to non-GAAP

<table>
<thead>
<tr>
<th></th>
<th>Q4'18</th>
<th>Q1'19</th>
<th>Q2'19</th>
<th>Q3'19</th>
<th>Q4'19</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating expenses</td>
<td>$146</td>
<td>$152</td>
<td>$158</td>
<td>$169</td>
<td>$179</td>
</tr>
<tr>
<td>Share-based compensation expense</td>
<td>(22)</td>
<td>(24)</td>
<td>(26)</td>
<td>(30)</td>
<td>(29)</td>
</tr>
<tr>
<td>Amortization of acquired intangibles</td>
<td>(2)</td>
<td>(2)</td>
<td>(2)</td>
<td>(2)</td>
<td>(2)</td>
</tr>
<tr>
<td>Acquisition and other charges</td>
<td>-</td>
<td>(5)</td>
<td>(4)</td>
<td>(4)</td>
<td>(5)</td>
</tr>
<tr>
<td>Restructuring and related charges</td>
<td>-</td>
<td>(1)</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Non-GAAP operating expenses</td>
<td>$122</td>
<td>$121</td>
<td>$126</td>
<td>$133</td>
<td>$144</td>
</tr>
</tbody>
</table>

### GAAP SG&A to non-GAAP

<table>
<thead>
<tr>
<th></th>
<th>Q4'18</th>
<th>Q1'19</th>
<th>Q2'19</th>
<th>Q3'19</th>
<th>Q4'19</th>
</tr>
</thead>
<tbody>
<tr>
<td>SG&amp;A</td>
<td>$52</td>
<td>$59</td>
<td>$59</td>
<td>$61</td>
<td>$63</td>
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<tr>
<td>Share-based compensation expense</td>
<td>(10)</td>
<td>(10)</td>
<td>(12)</td>
<td>(13)</td>
<td>(12)</td>
</tr>
<tr>
<td>Amortization of acquired intangibles</td>
<td>(2)</td>
<td>(2)</td>
<td>(2)</td>
<td>(2)</td>
<td>(2)</td>
</tr>
<tr>
<td>Acquisition and other charges</td>
<td>-</td>
<td>(5)</td>
<td>(4)</td>
<td>(3)</td>
<td>(4)</td>
</tr>
<tr>
<td>Non-GAAP SG&amp;A</td>
<td>$40</td>
<td>$42</td>
<td>$42</td>
<td>$43</td>
<td>$45</td>
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</tbody>
</table>

### GAAP R&D to non-GAAP

<table>
<thead>
<tr>
<th></th>
<th>Q4'18</th>
<th>Q1'19</th>
<th>Q2'19</th>
<th>Q3'19</th>
<th>Q4'19</th>
</tr>
</thead>
<tbody>
<tr>
<td>R&amp;D</td>
<td>$94</td>
<td>$92</td>
<td>$99</td>
<td>$107</td>
<td>$116</td>
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<tr>
<td>Share-based compensation expense</td>
<td>(12)</td>
<td>(13)</td>
<td>(15)</td>
<td>(17)</td>
<td>(16)</td>
</tr>
<tr>
<td>Amortization of acquired intangibles</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Acquisition and other charges</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Non-GAAP R&amp;D</td>
<td>$82</td>
<td>$79</td>
<td>$85</td>
<td>$90</td>
<td>$100</td>
</tr>
</tbody>
</table>