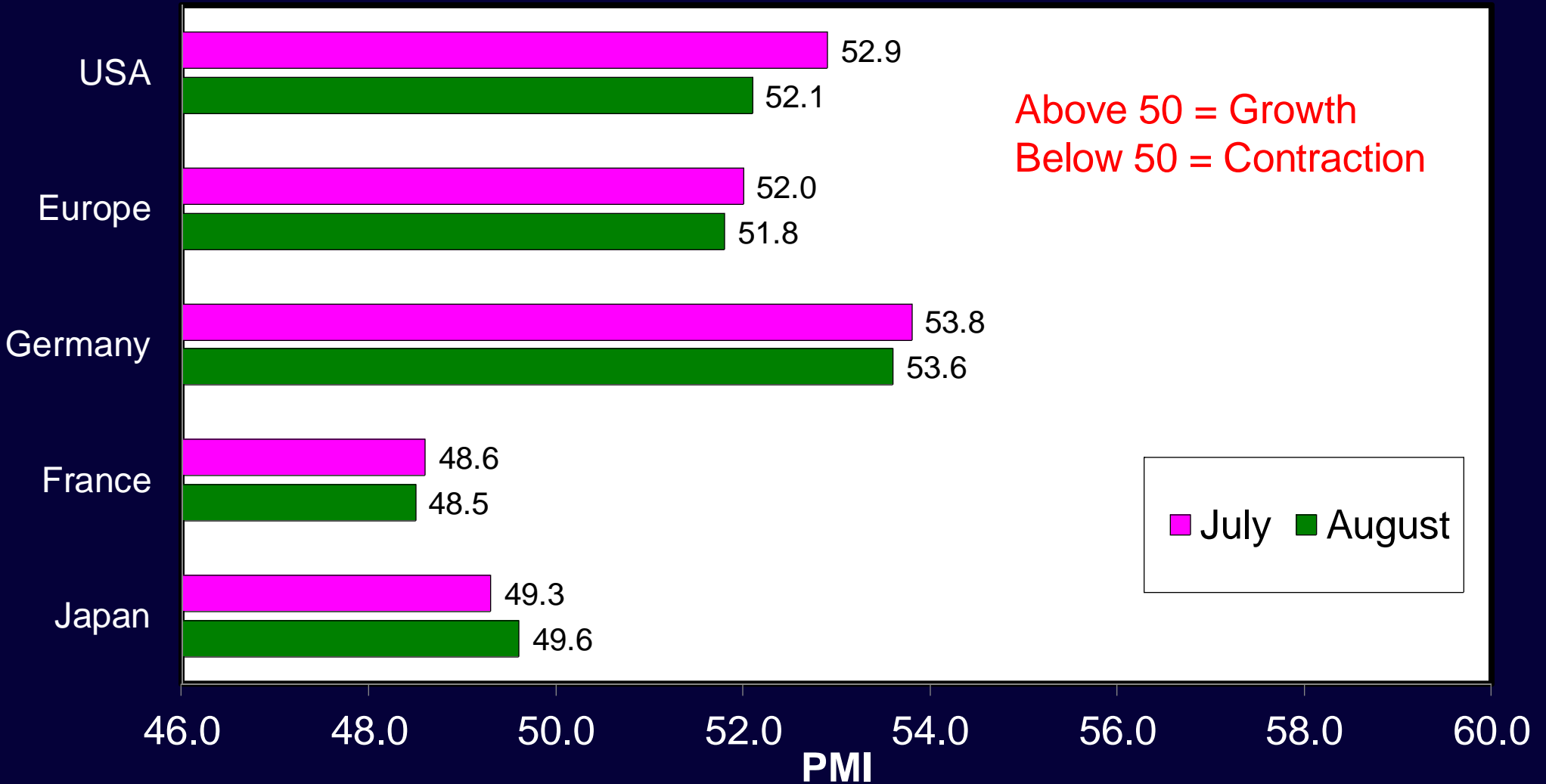


Chart 1

Purchasing Managers' Indices August (Flash) vs. July 2016



U.S. "Purchasing Managers" Indices

Diffusion Index, >50 = Growth

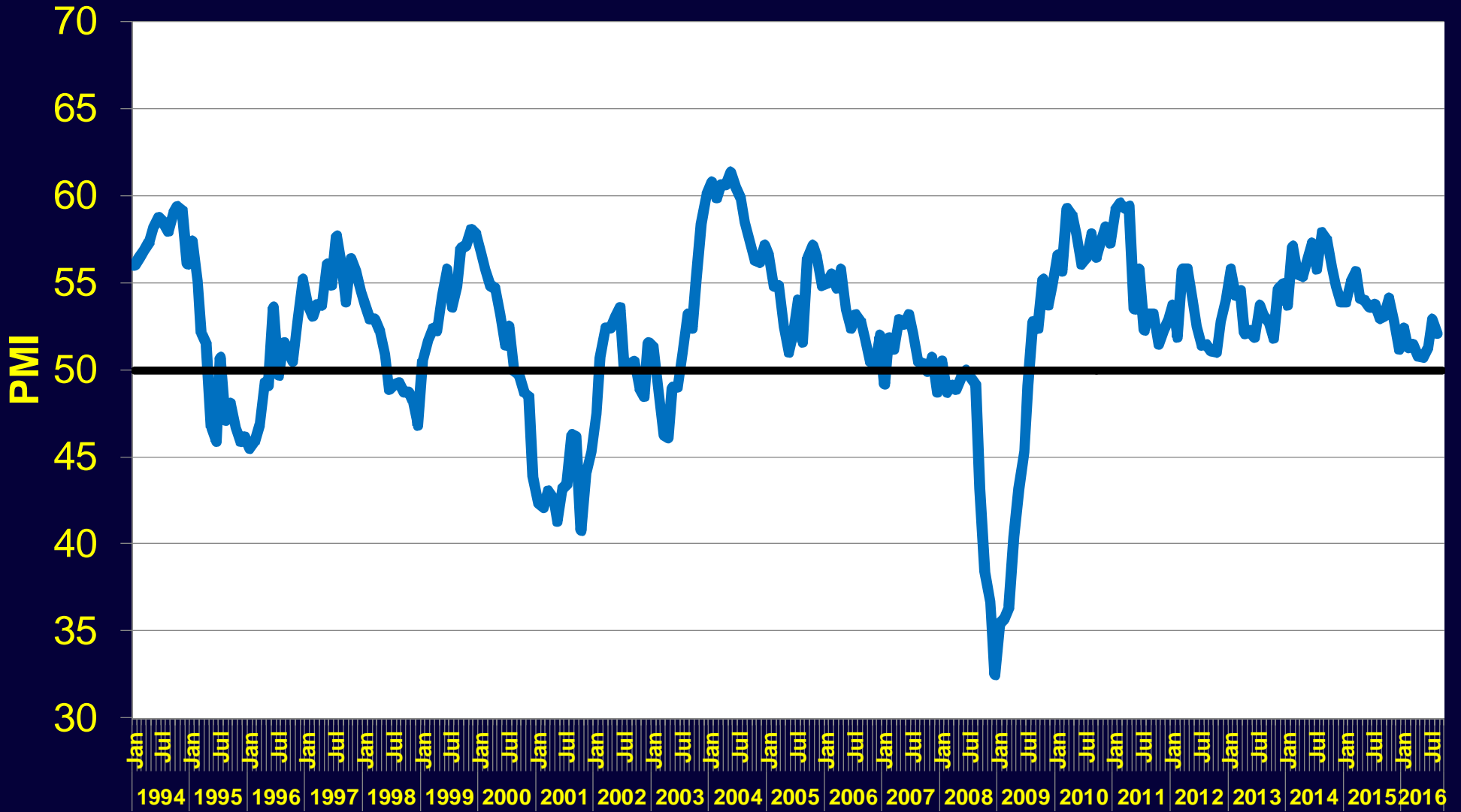


Chart 3

Eurozone "Purchasing Managers" Index

Diffusion Index, >50 = Growth

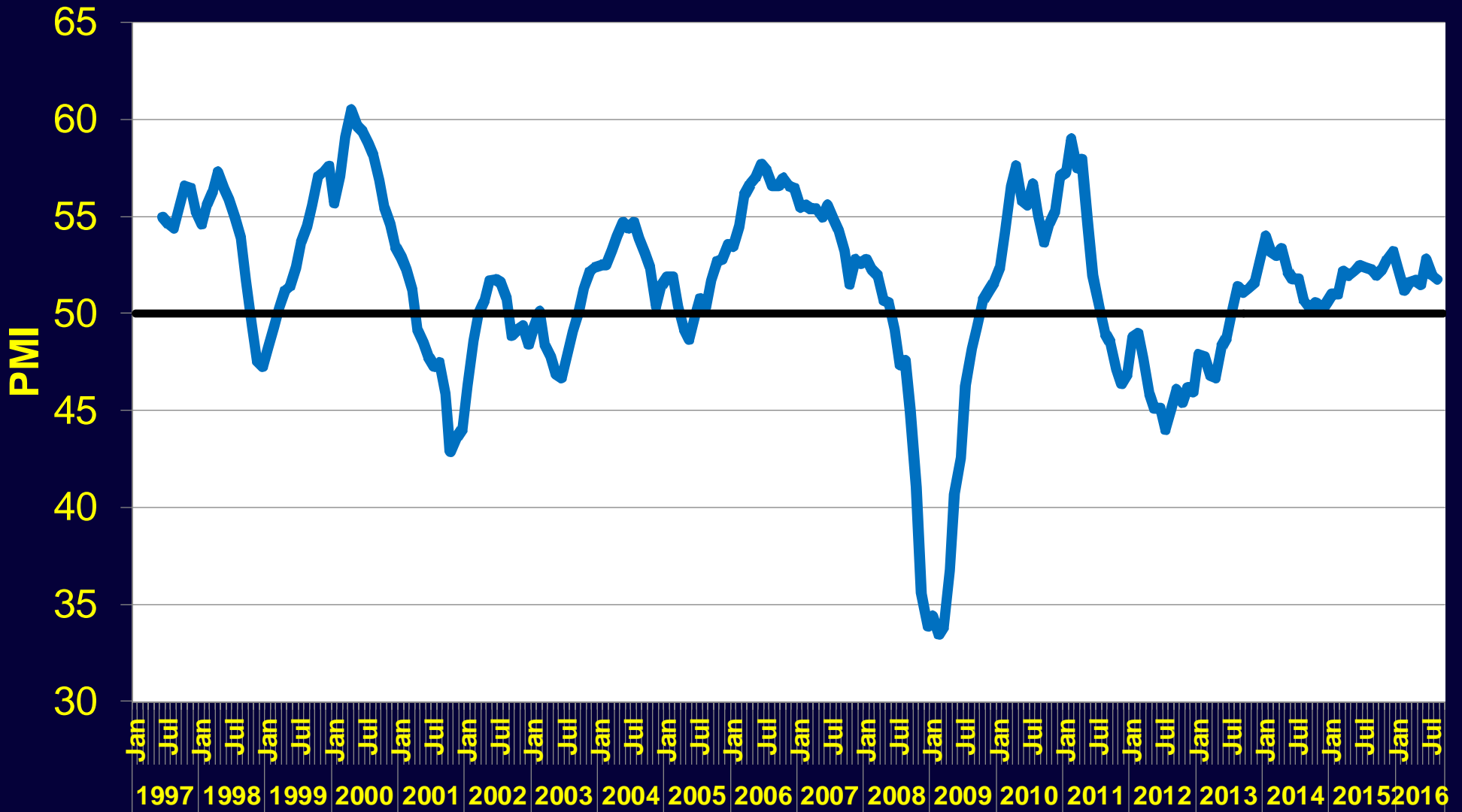


Chart 4

Japan "Purchasing Managers" Index

Diffusion Index, >50 = Growth

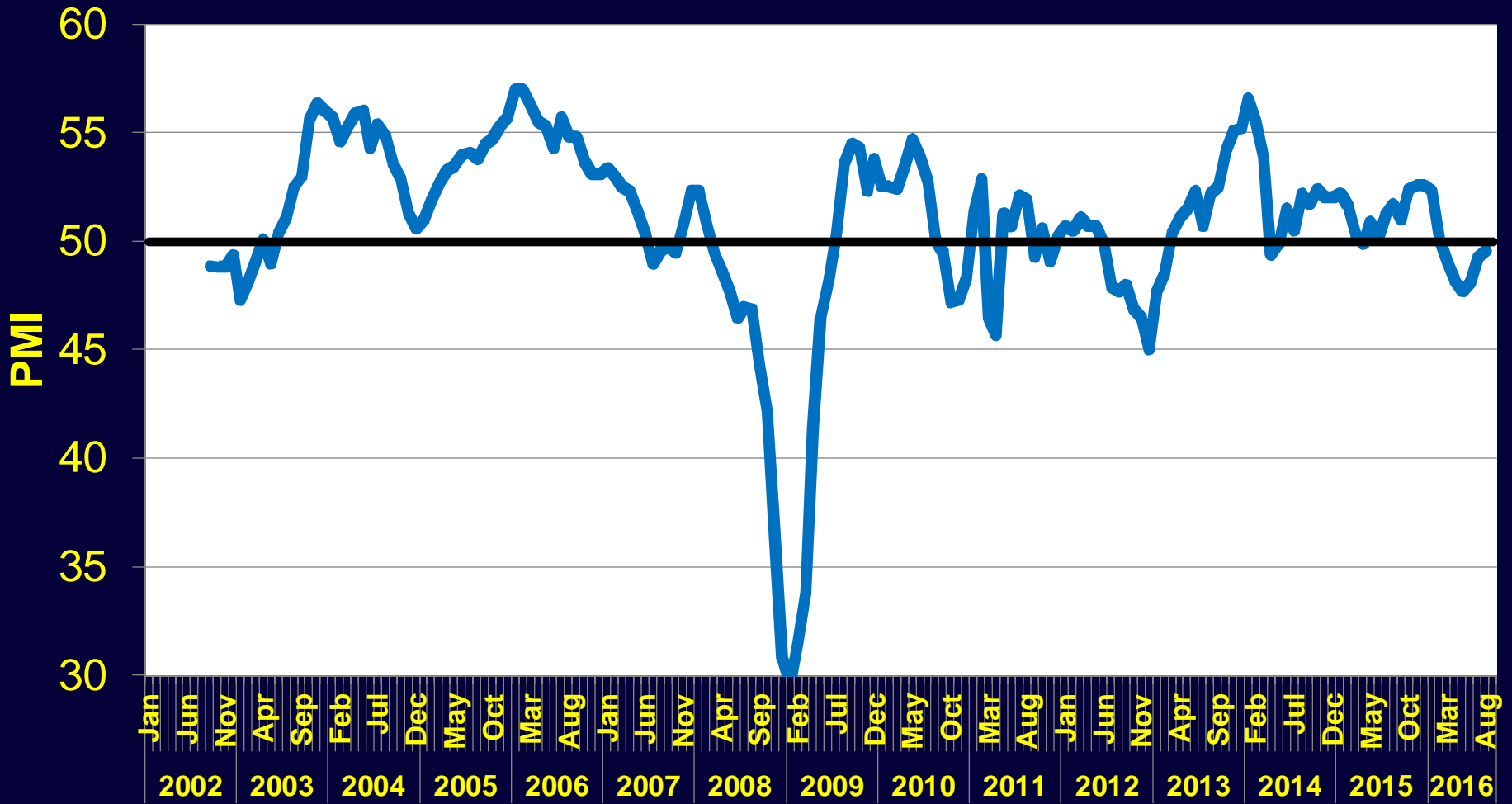


Chart 5

U.S. Electronic Equipment Book/Bill Ratio 3-Month Average

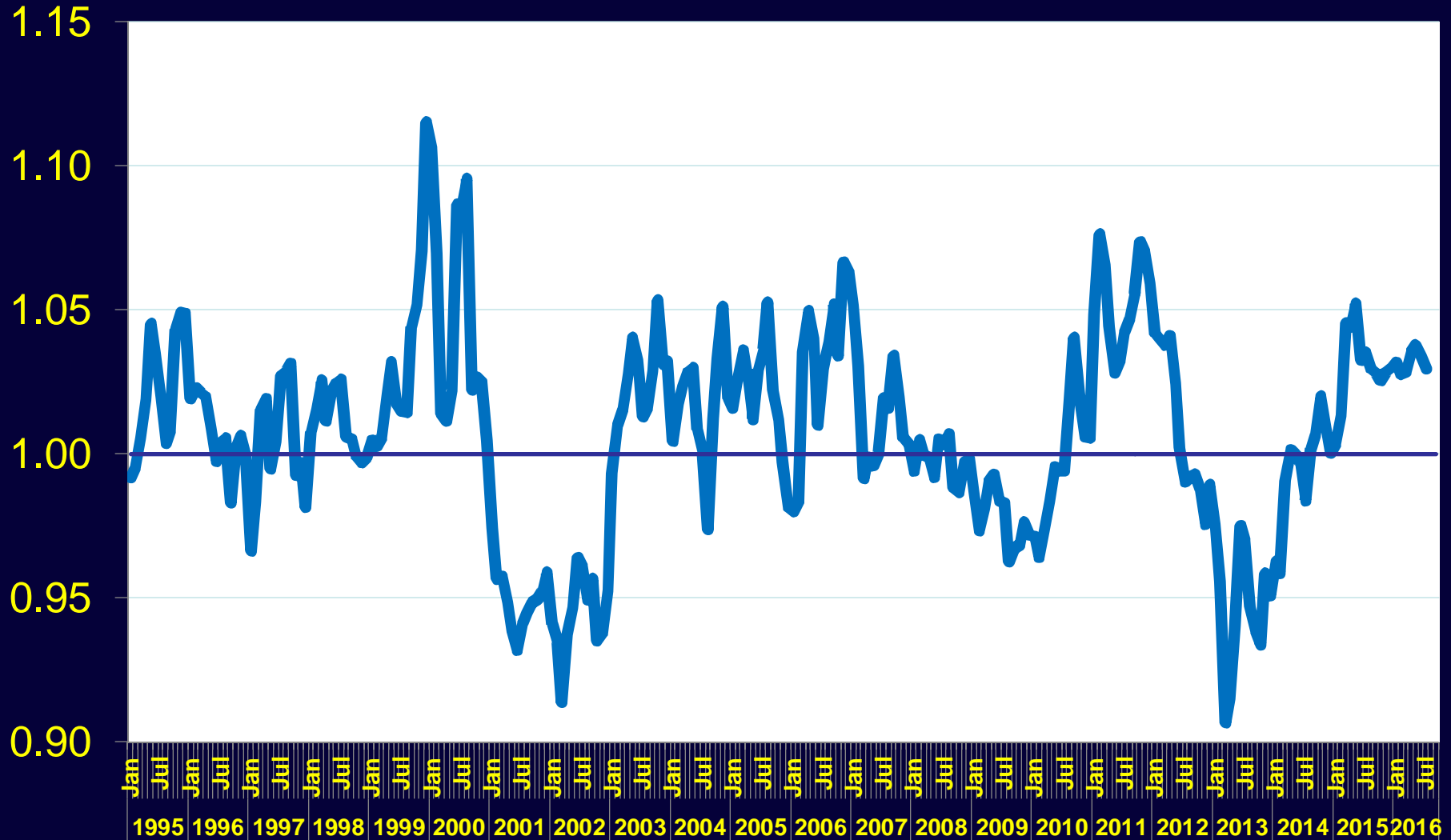


Chart 6

U.S. Electronic Equipment Orders & Shipments

Computer, Communications, Measurement & Control and Military

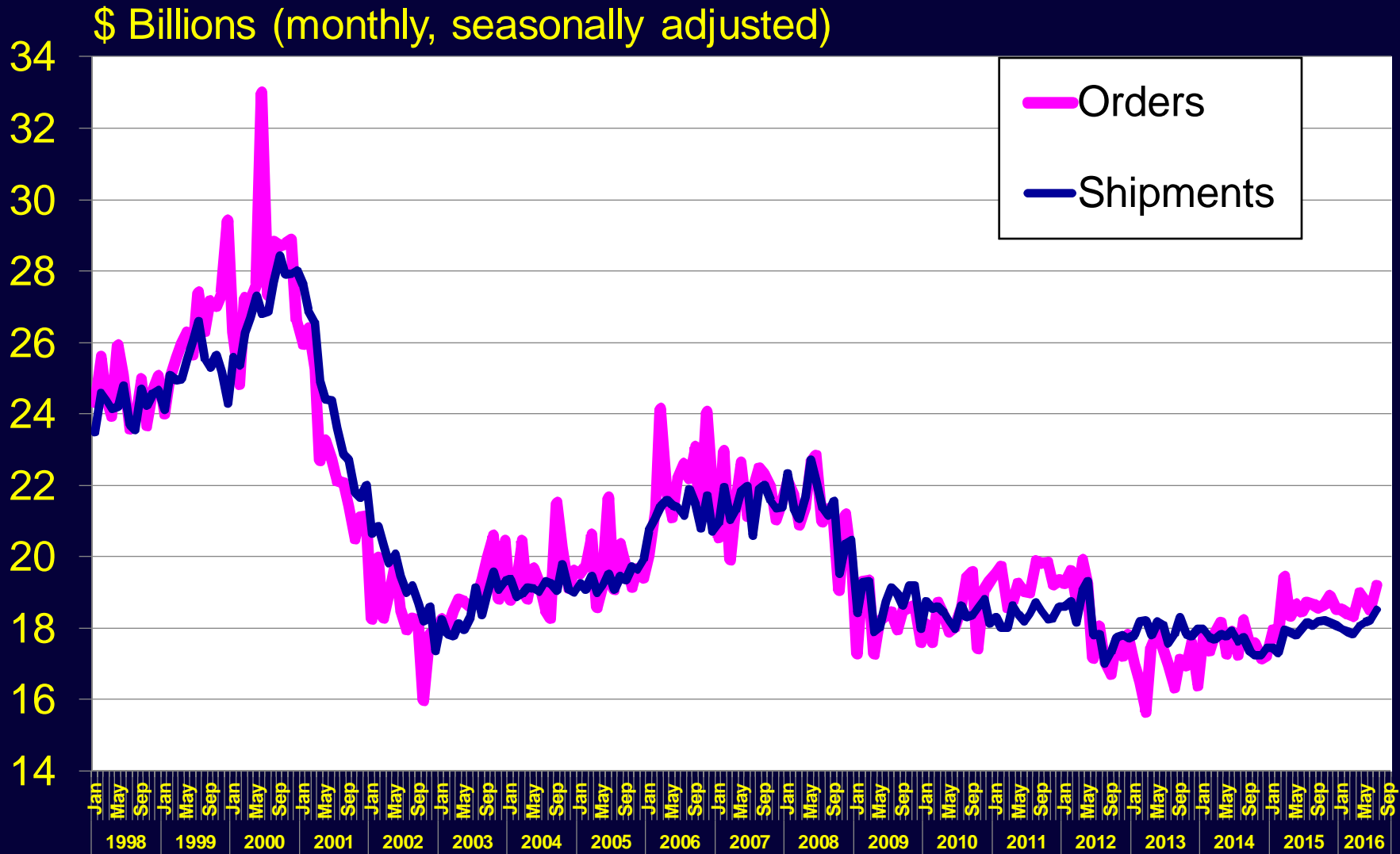


Chart 7

U.S. Electronic Equipment Order & Shipment Growth

Computer, Communications, Measurement & Control and Military

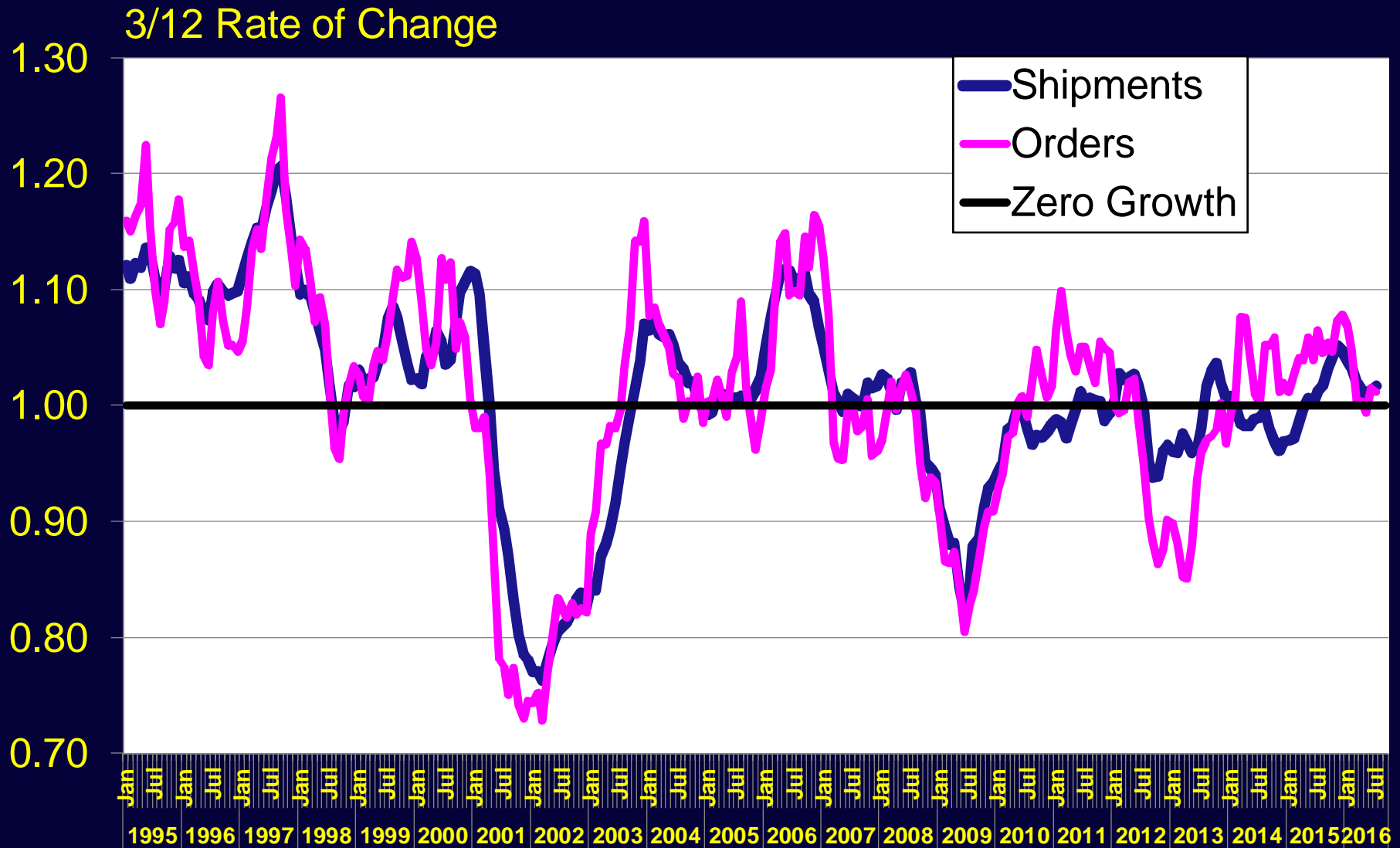


Chart 8

U.S. Electronic Equipment Inventories vs. Orders

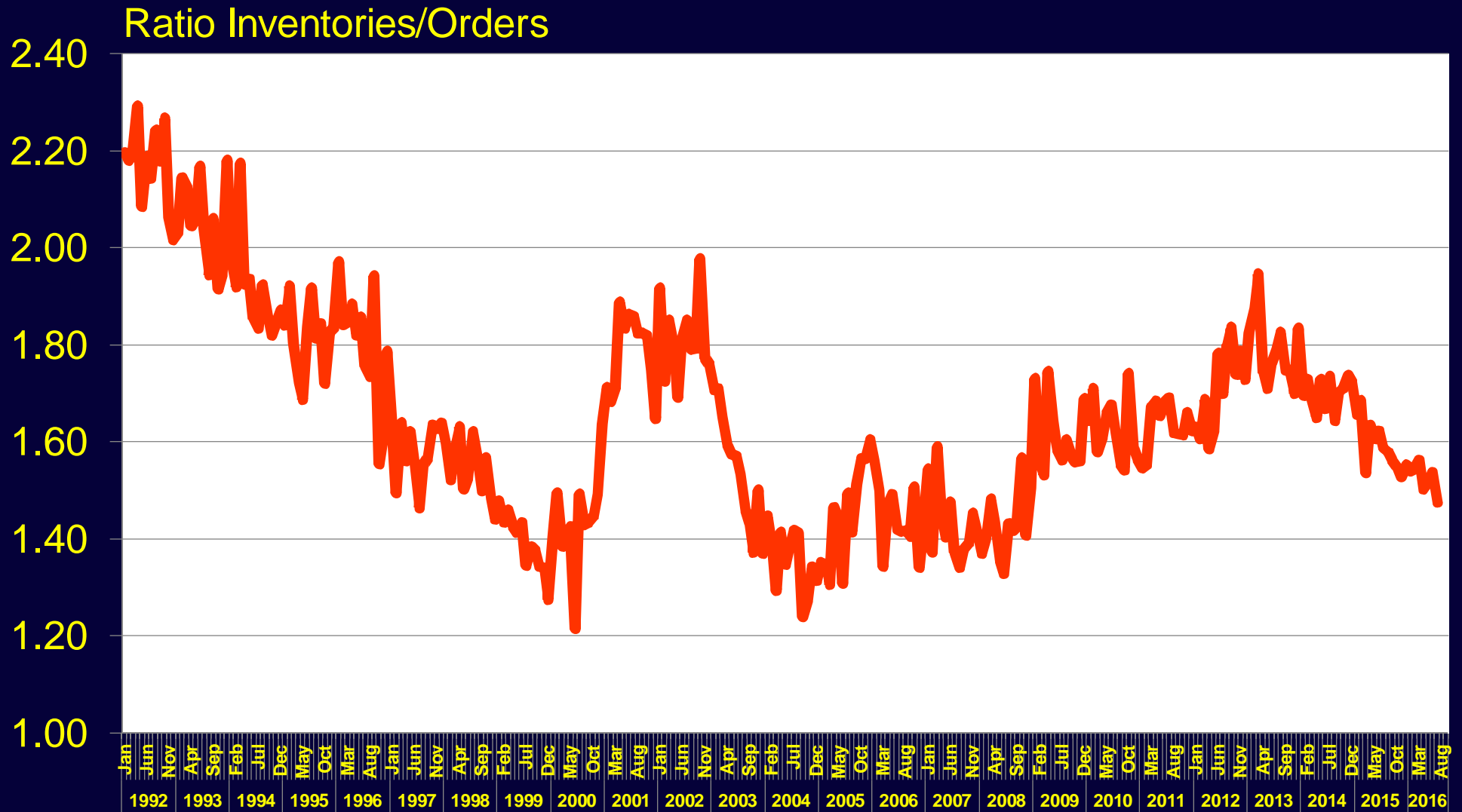


Chart 9

U.S. Defense Capital Goods Orders & Shipments

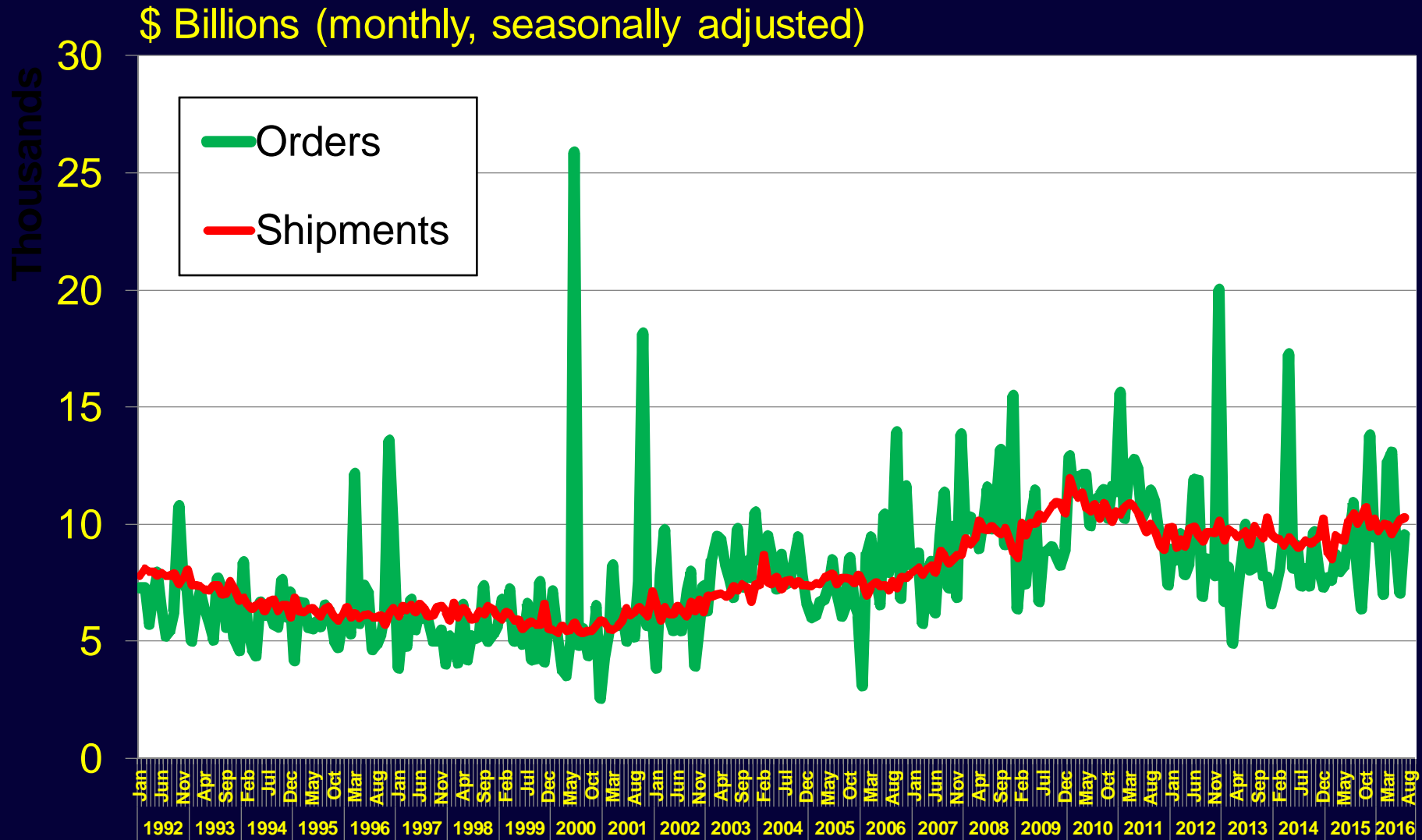
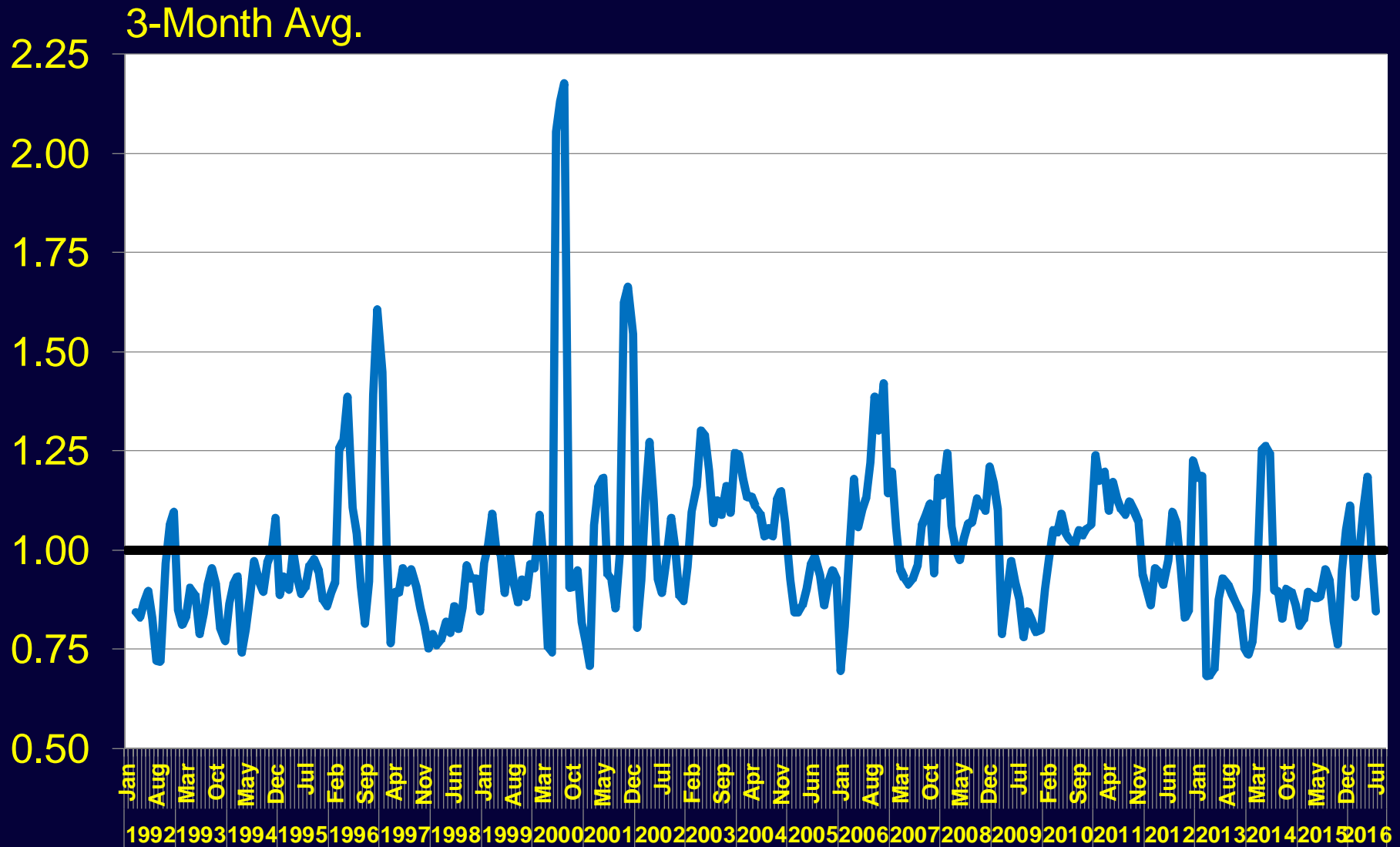
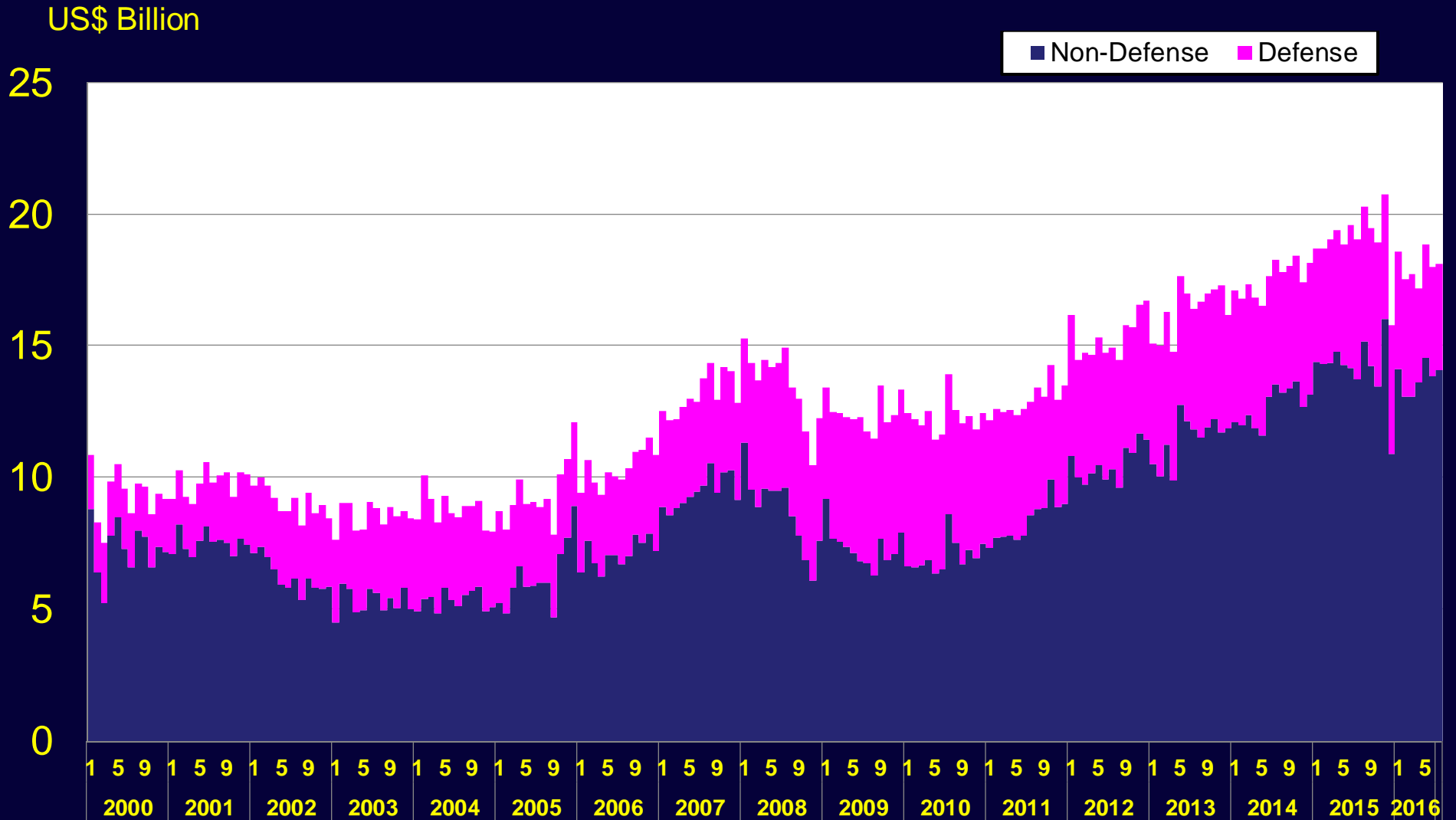


Chart 10

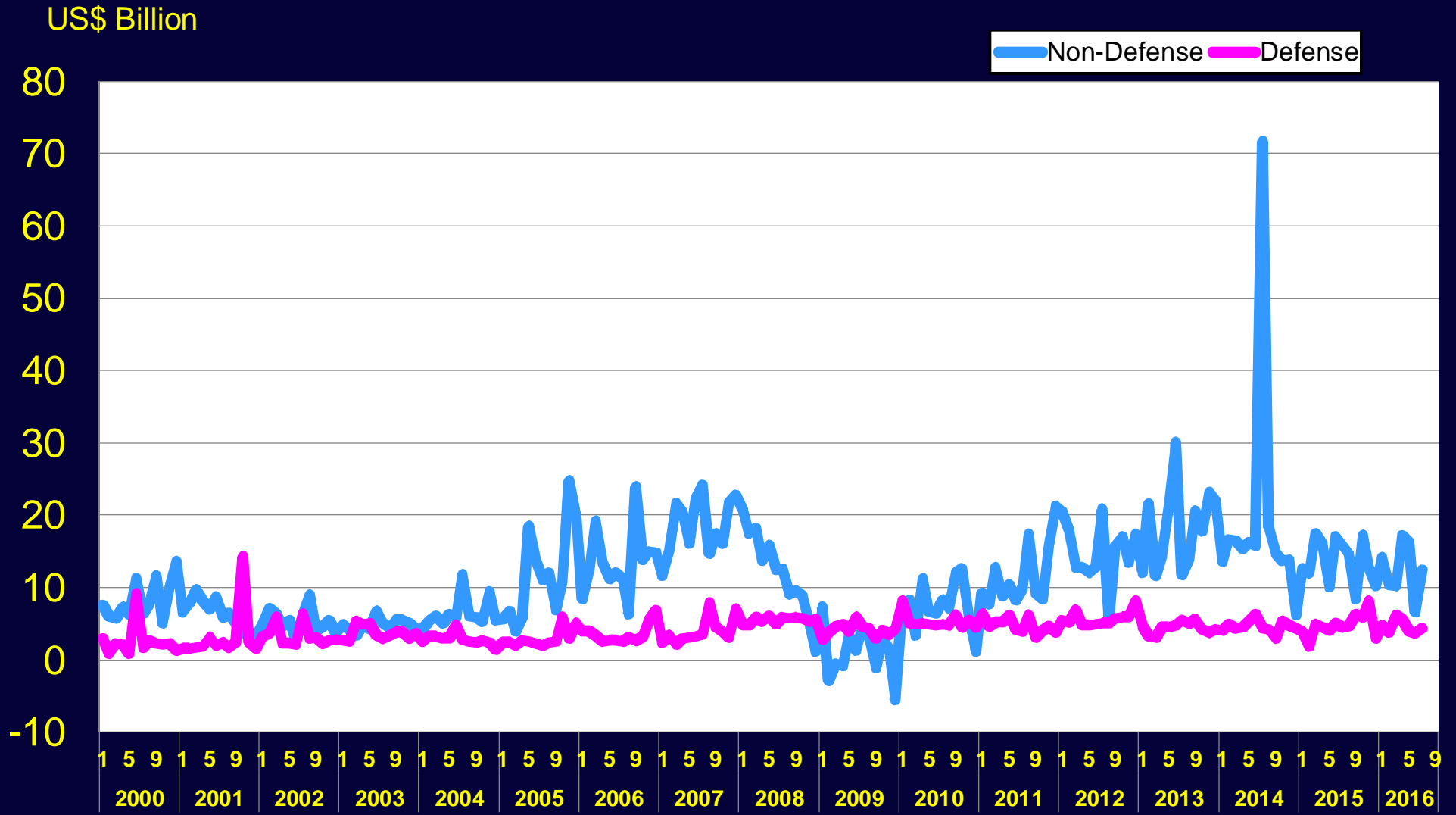
U.S. Defense Capital Goods Book/Bill Ratio



U.S. Aircraft & Parts Shipments

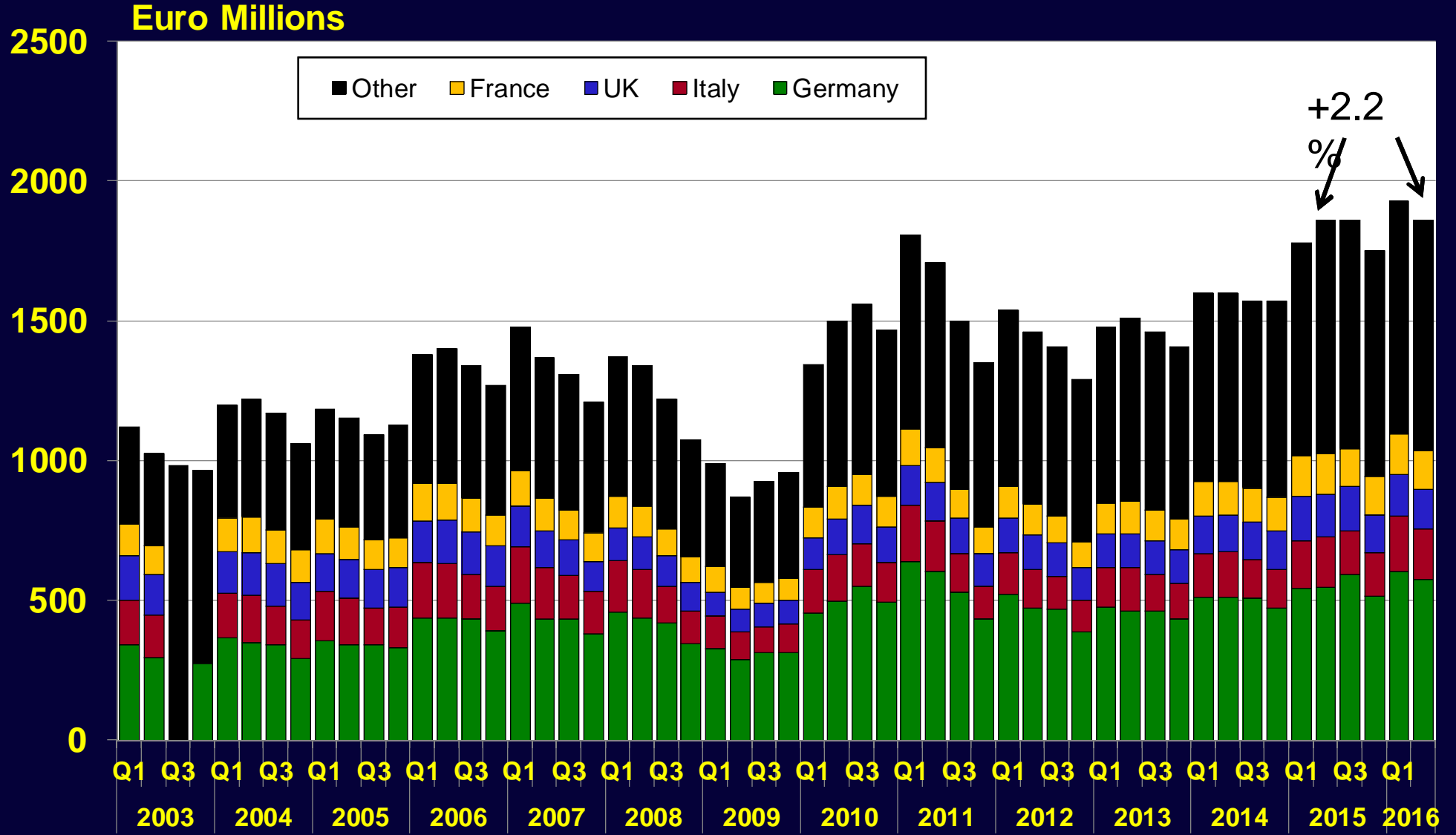


U.S. Aircraft & Parts Orders



DMASS - European Semiconductor Distribution Industry

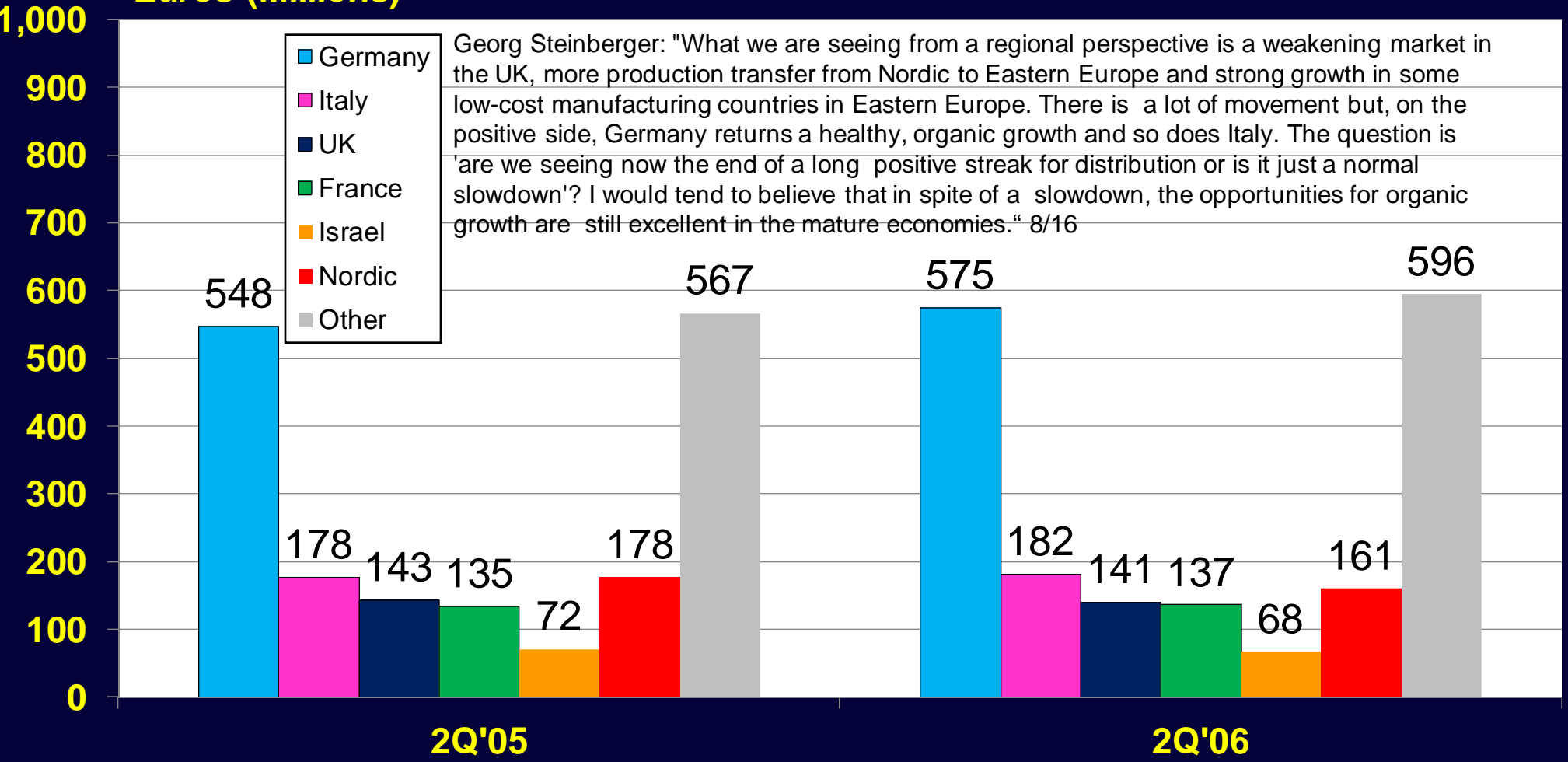
Chart 13



DMASS

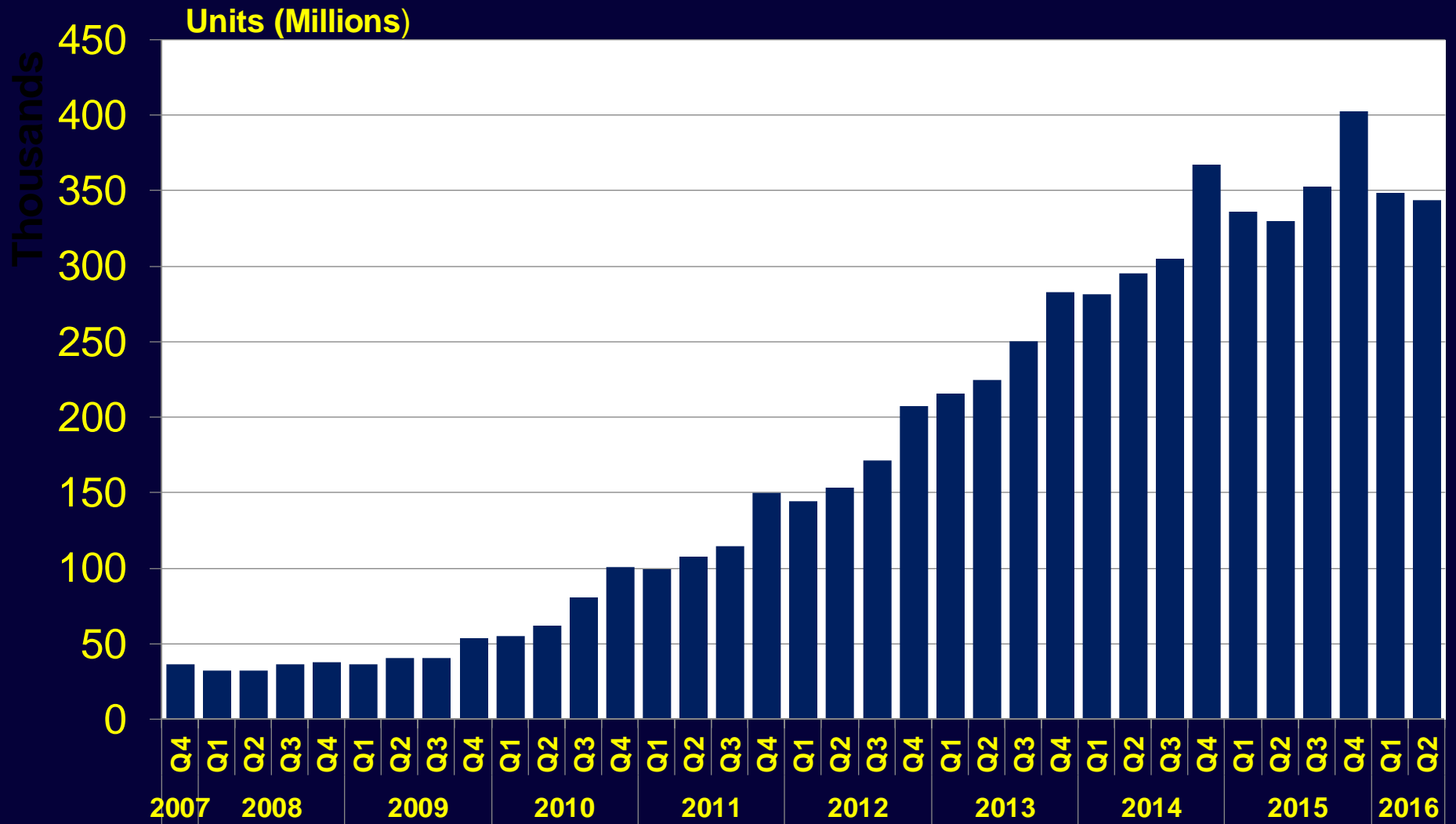
European Semiconductor Distribution Industry

Euros (Millions)

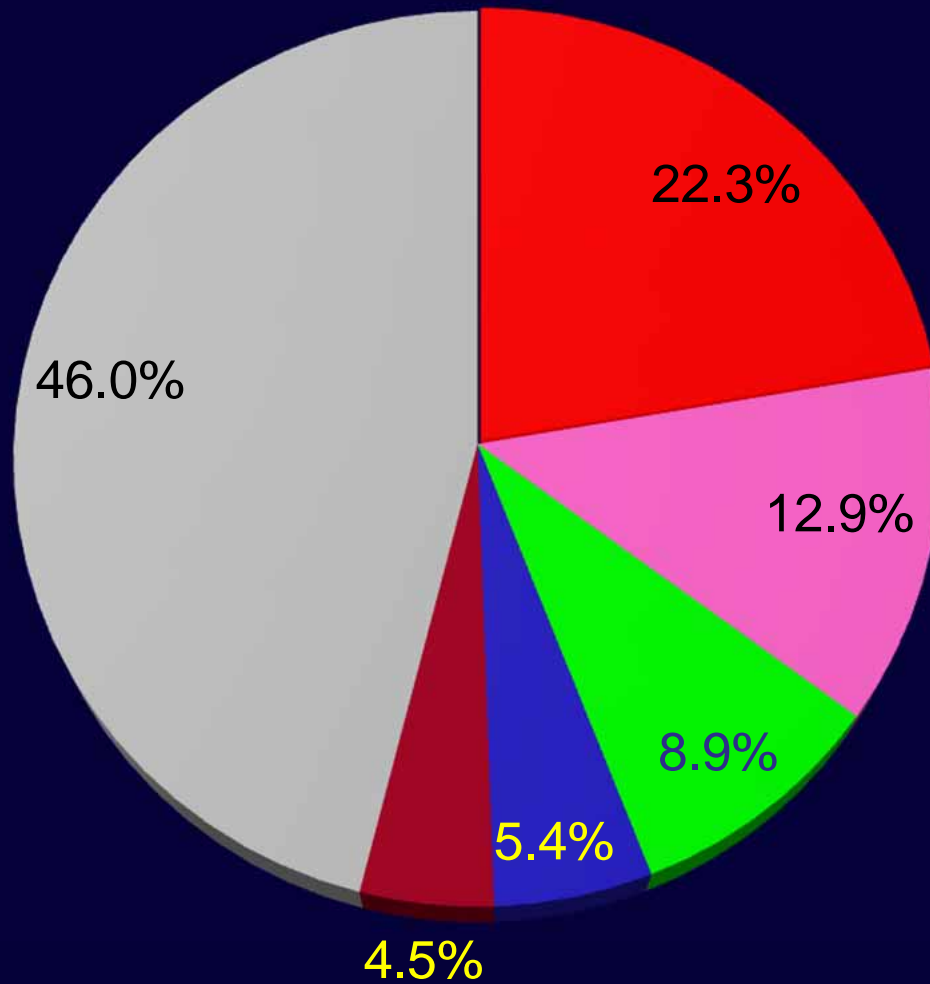


"Growth rate for semiconductor distribution slows down through a quiet Spring quarter. Germany and Eastern Europe stay ahead, UK and Nordic decline."

Smartphone Unit Shipments to End Users World

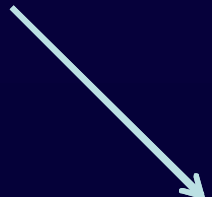


World Smartphone Sales 2Q'16



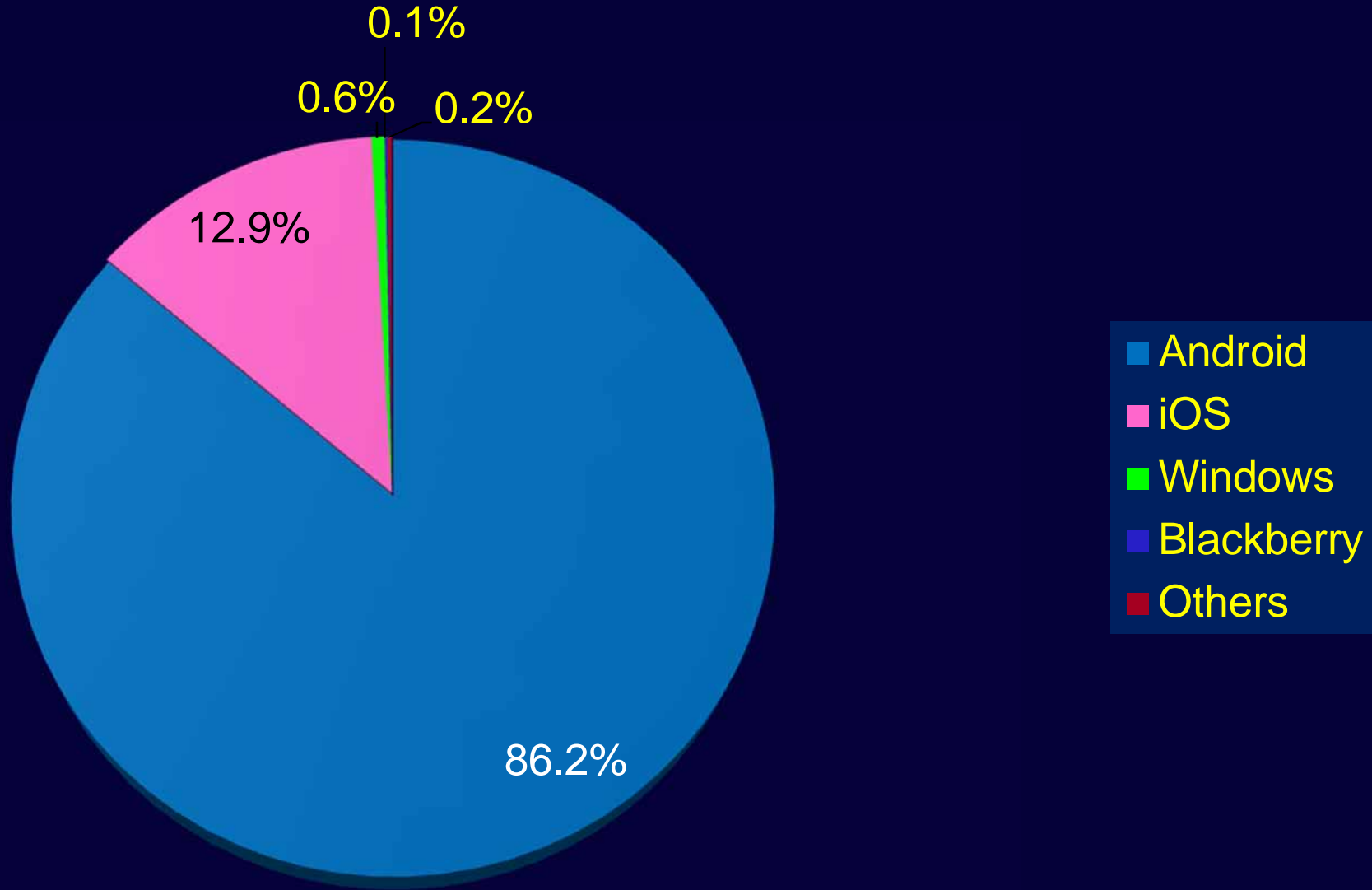
- Samsung
- Apple
- Huawei
- Oppo
- Xiaomi
- Others

2Q'15
330.3 M



2Q'16 TOTAL: 344.4 Units

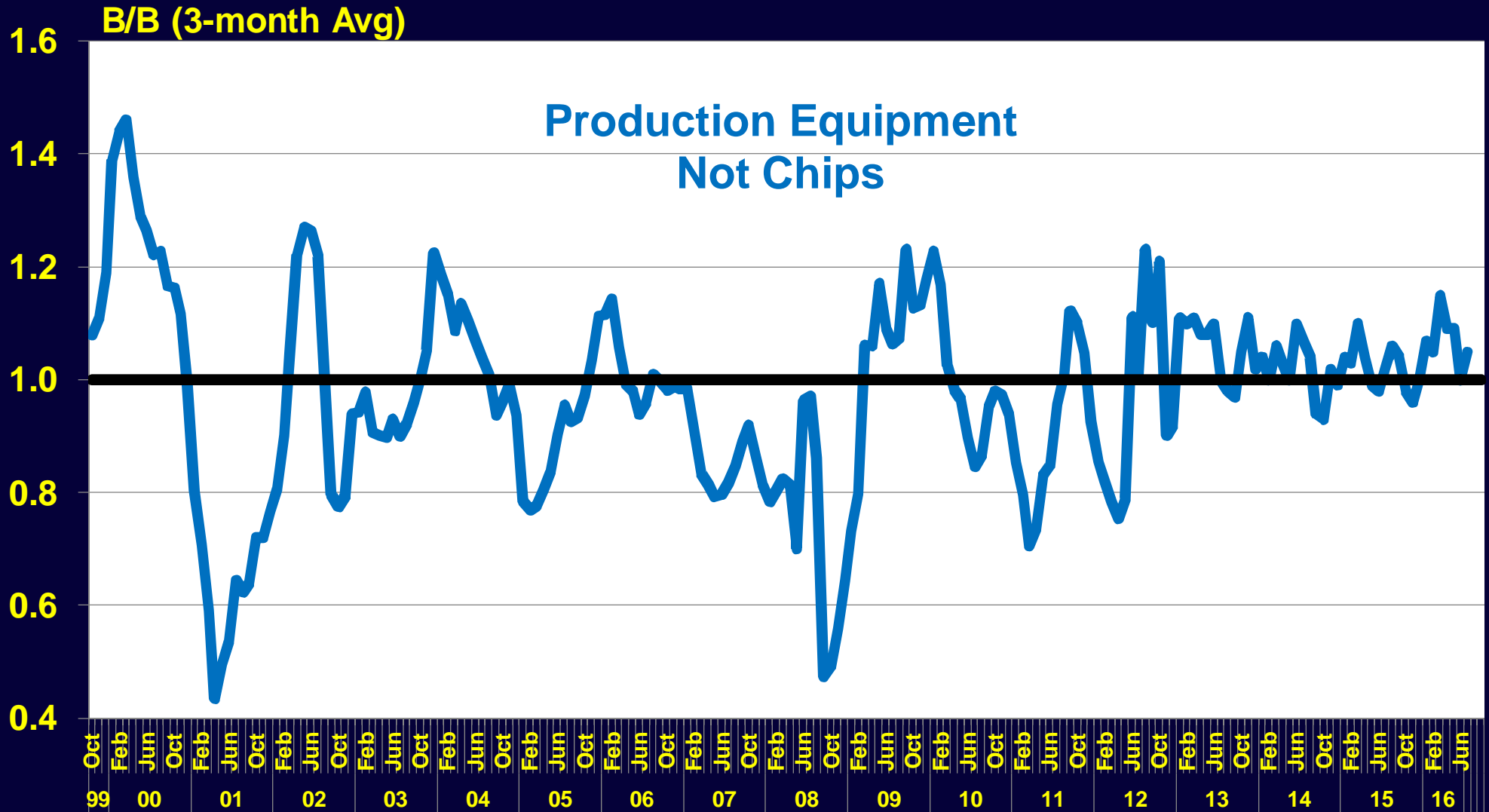
World Smartphone Sales 2Q'16 by Operating System



2Q'16 TOTAL: 344.4 Units

Chart 18

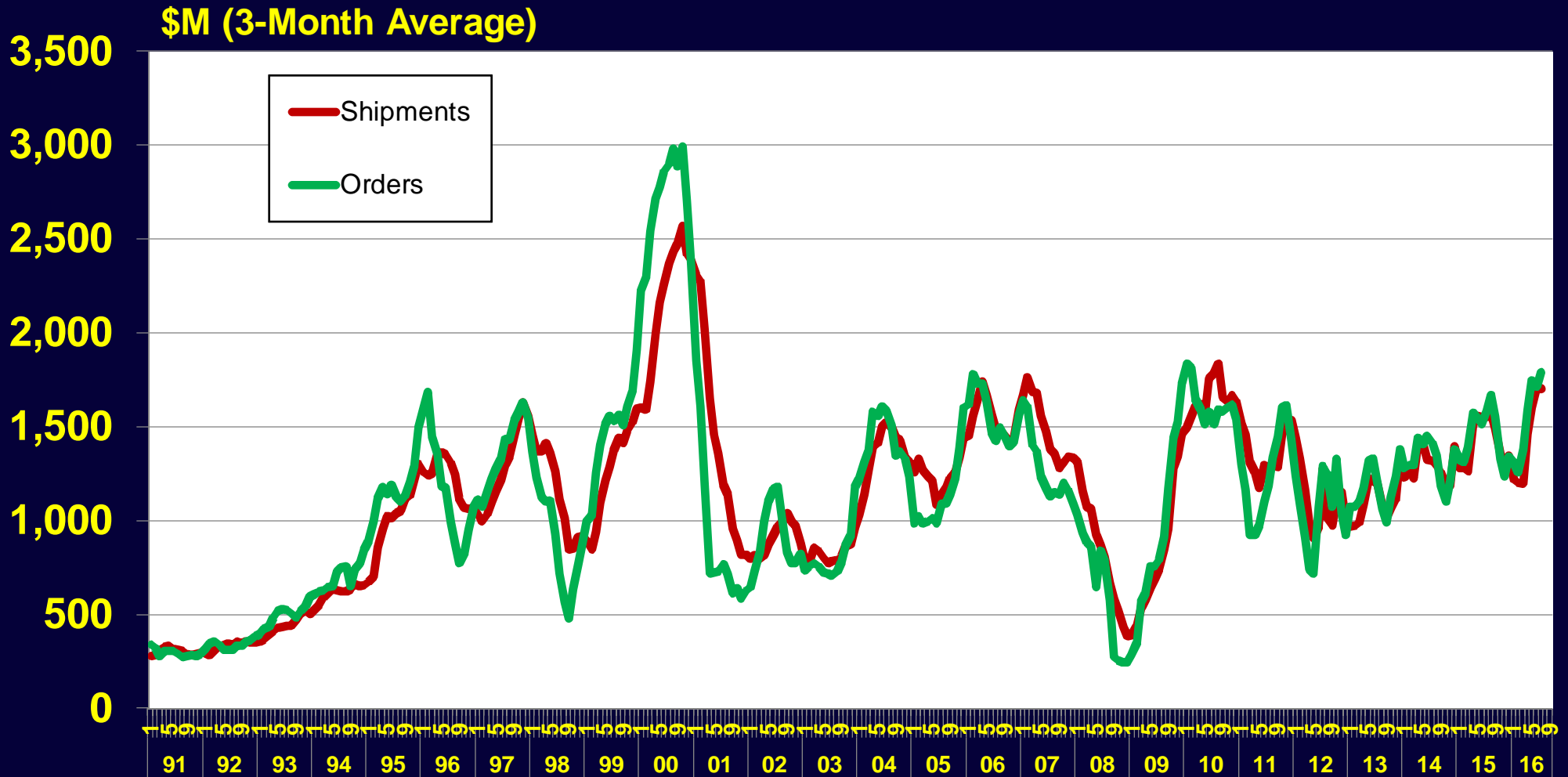
N American Semiconductor Equipment Industry Book/Bill Ratio



SOURCE Semiconductor Equipment and Materials International
<http://www.semi.org>

Chart 19

N American Semiconductor Equipment Industry Shipments & Orders

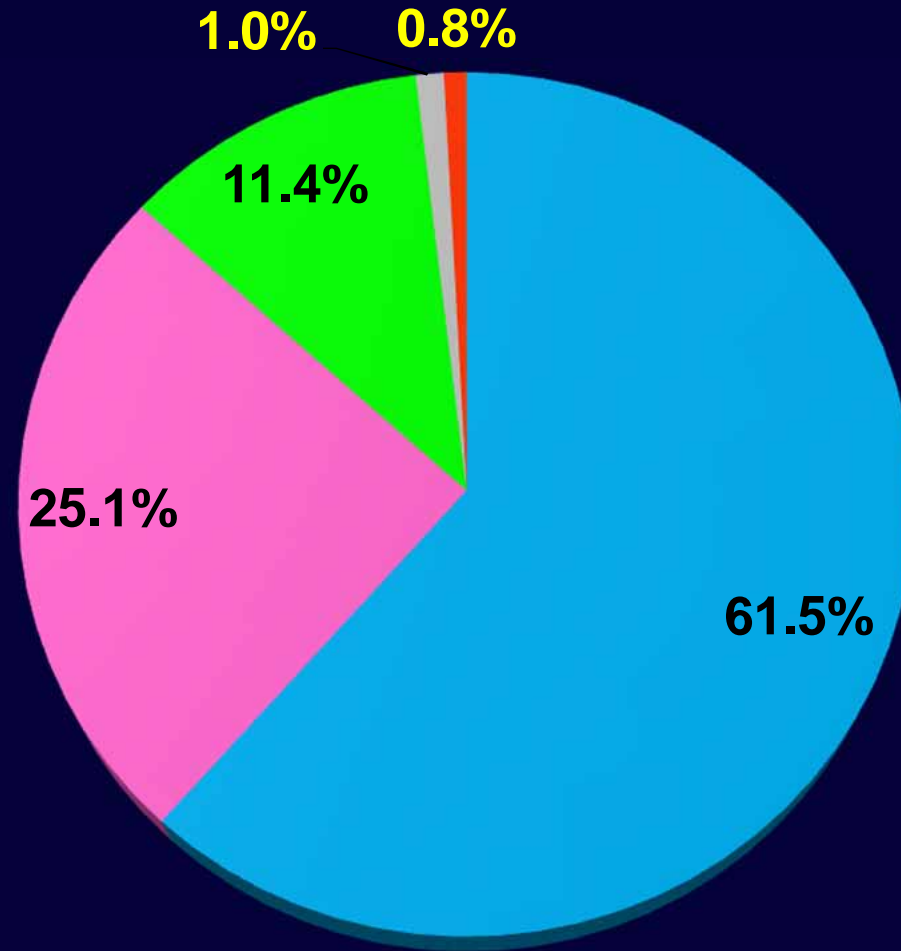


SOURCE Semiconductor Equipment and Materials International
<http://www.semi.org>

1H'16 Semiconductor Sales Leaders including Foundries (\$M)

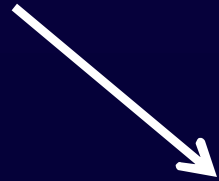
| <u>Rank</u> | <u>Maker</u> | <u>1H'16</u> |
|-------------|---------------------|----------------|
| 1 | Intel | 26,071 |
| 2 | Samsung Electronics | 19,666 |
| 3 | TSMC | 13,003 |
| 4 | Broadcom | 7,280 |
| 5 | Qualcomm | 7,190 |
| 6 | SK Hynix | 6,446 |
| 7 | Texas Instruments | 5,851 |
| 8 | Micron | 5,849 |
| 9 | Toshiba | 4,932 |
| 10 | NXP | 4,589 |
| 11 | MediaTek | 3,930 |
| 12 | Infineon | 3,620 |
| 13 | ST | 3,299 |
| 14 | Apple | 2,910 |
| 15 | GlobalFoundries | 2,810 |
| 16 | Renesas | 2,781 |
| 17 | Nvidia | 2,592 |
| 18 | Sony | 2,260 |
| 19 | UMC | 2,177 |
| 20 | AMD | 1,859 |
| | Top 20 Total | 129,115 |

Mobile DRAM Revenues 2Q'16



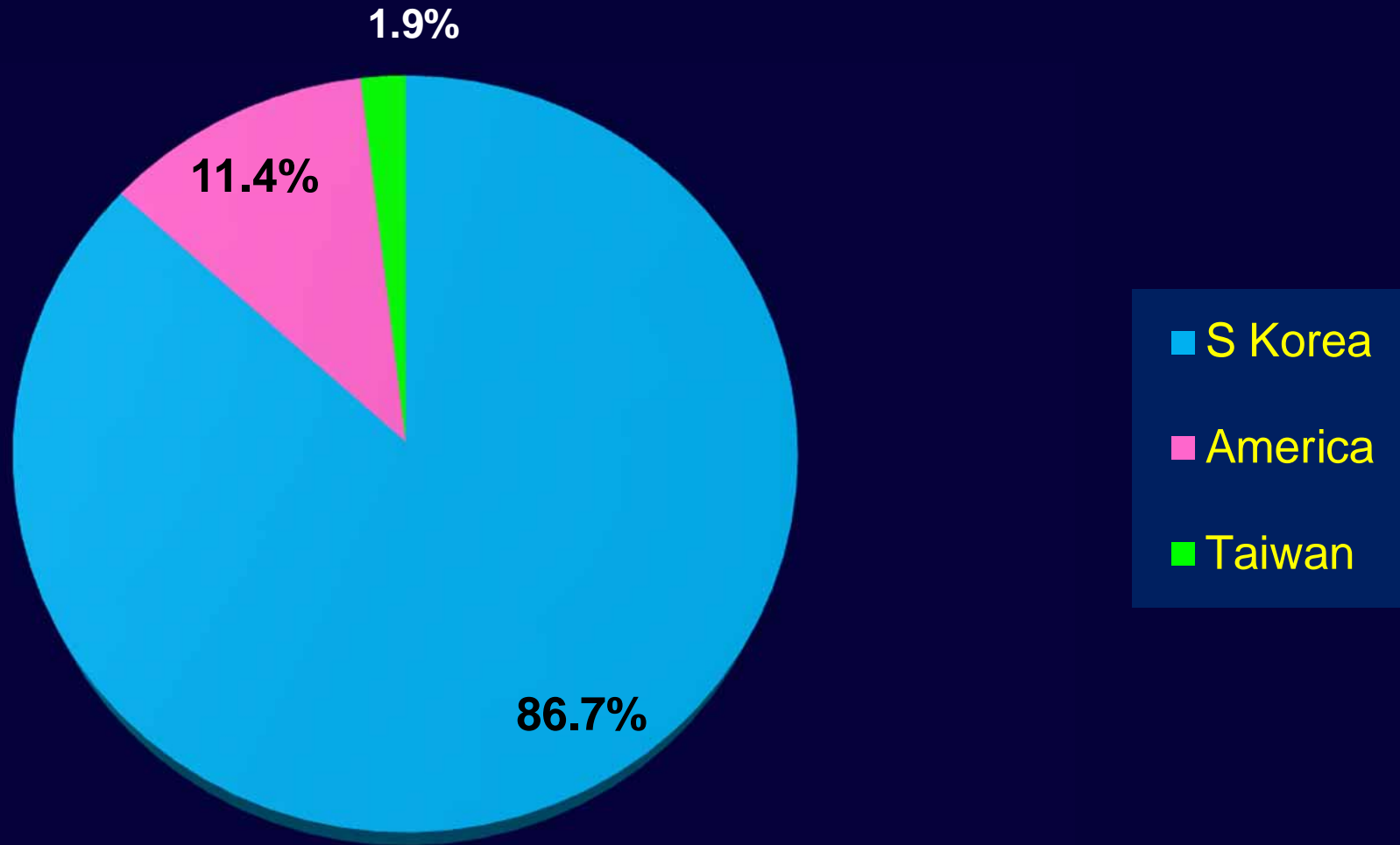
- Samsung
- SK Hynix
- Micron Group
- Nanya
- Winbond

\$3.353 B
1Q'16



2Q'16 Total: US\$3.929 Billion

Mobile DRAM Market Share by Region 2Q'16



U.S. GDP Growth

% Change vs. Prior Quarter (Chained 2009 \$)

