

Chart 1

Purchasing Managers' Indices (flash) March vs. February 2017

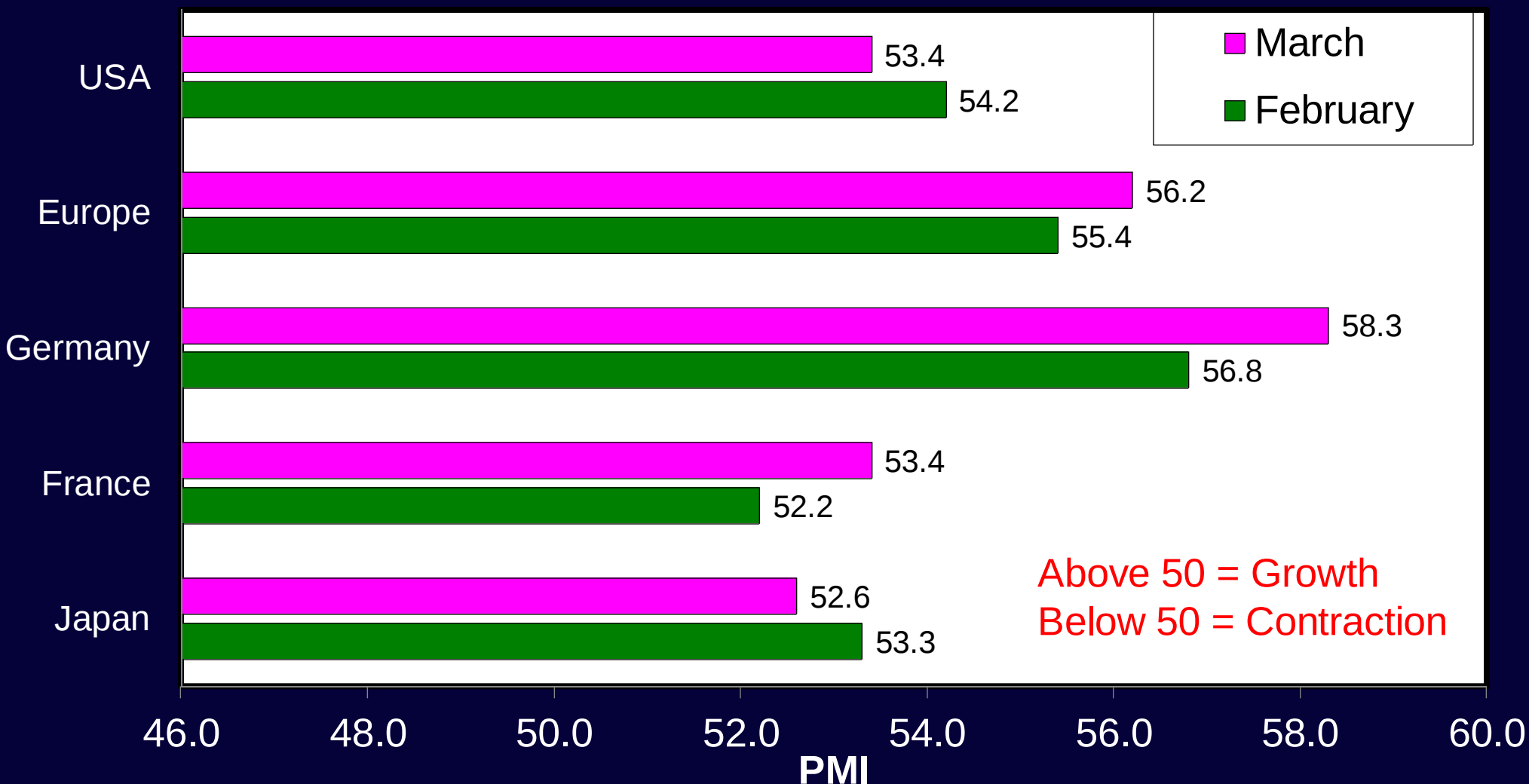


Chart 2

Eurozone "Purchasing Managers" Index

Diffusion Index, >50 = Growth

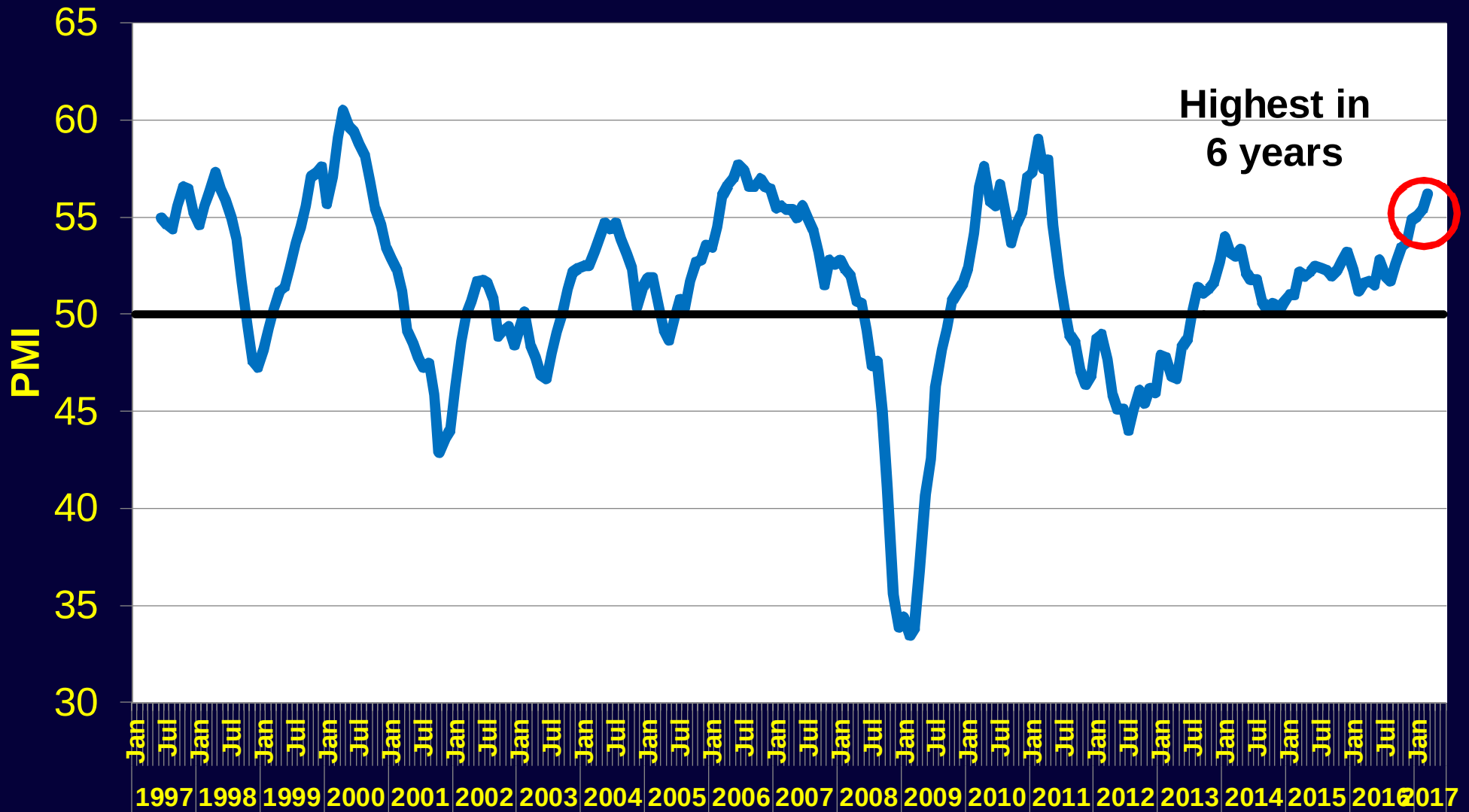


Chart 3

U.S "Purchasing Managers" Indices

ISM vs. Markit Economics

Diffusion Index, >50 = Growth

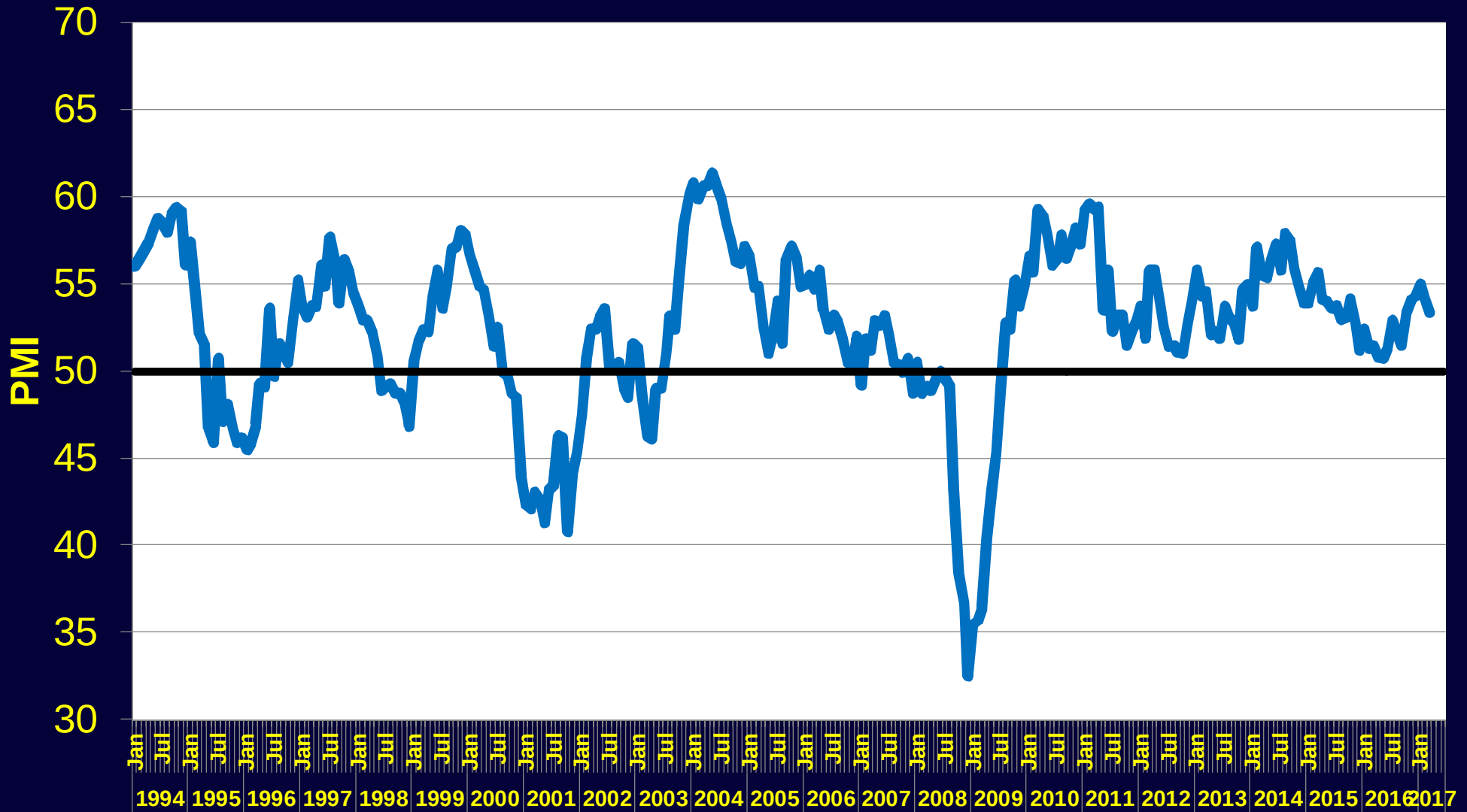


Chart 4

Japan "Purchasing Managers" Index

>50 = Growth

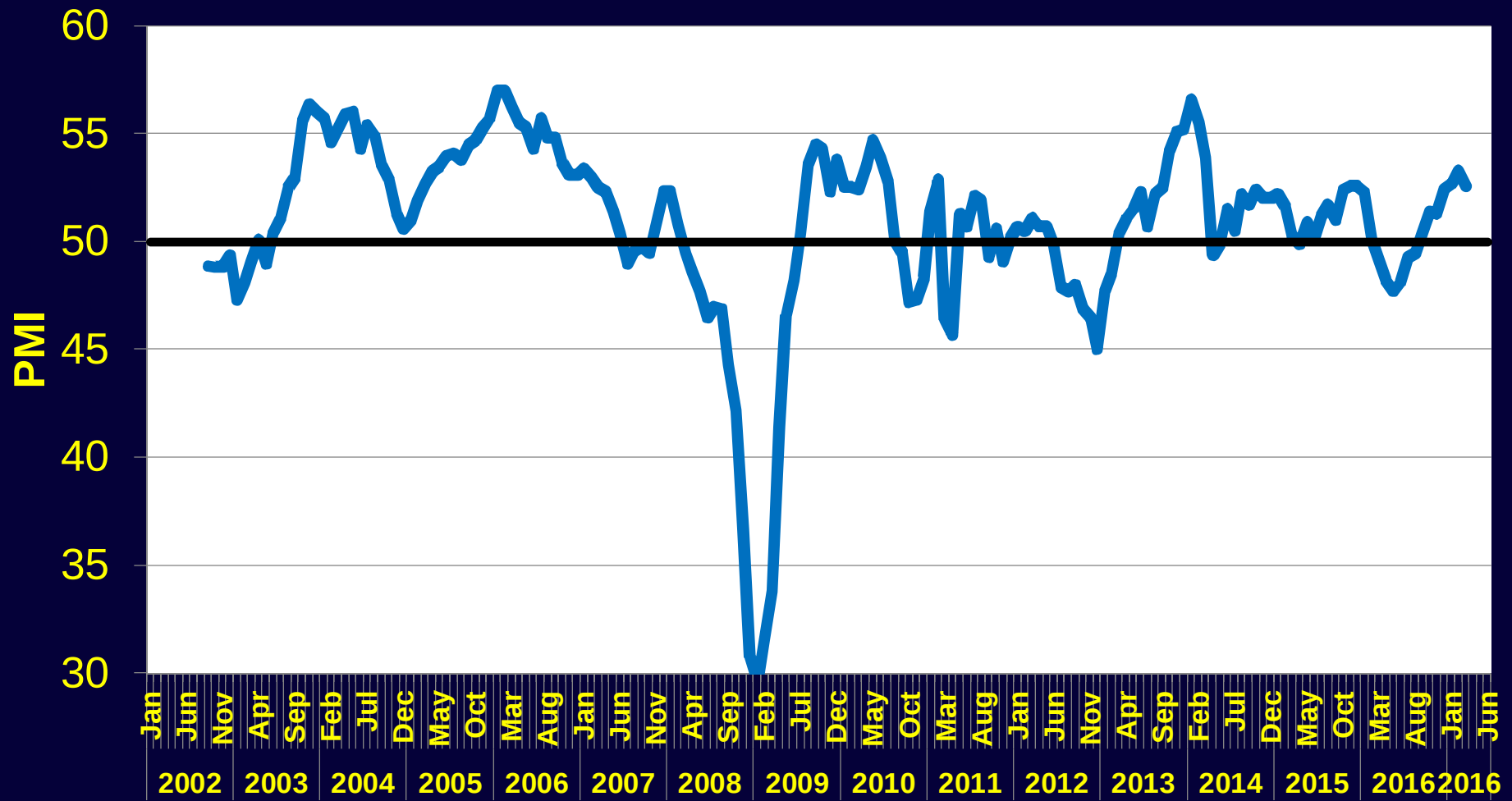


Chart 5 **Japan Electronic Equipment Production by Month**
2000 to Present

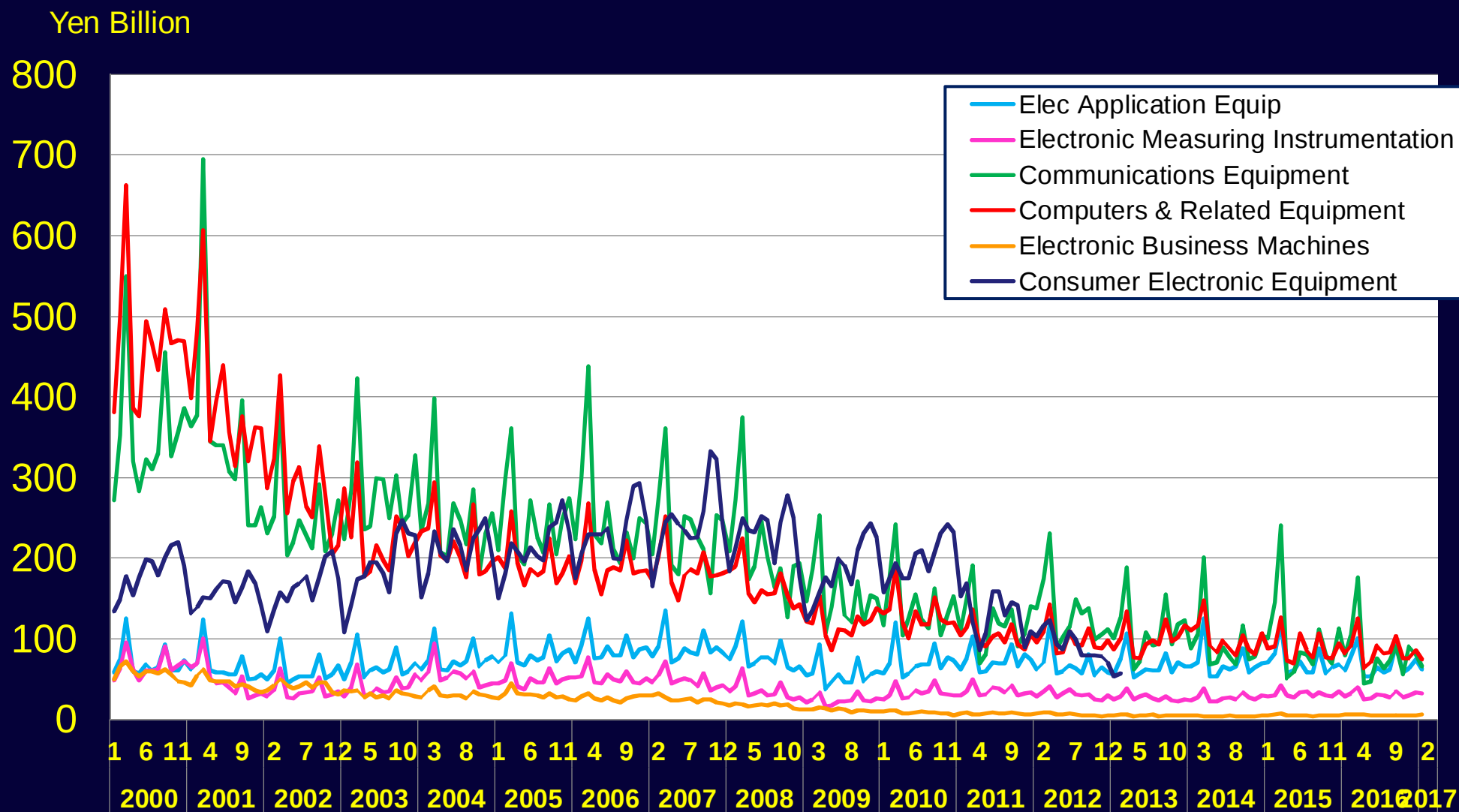


Chart 6 **Japan Electronic Equipment Production by Month**
2000 to Present

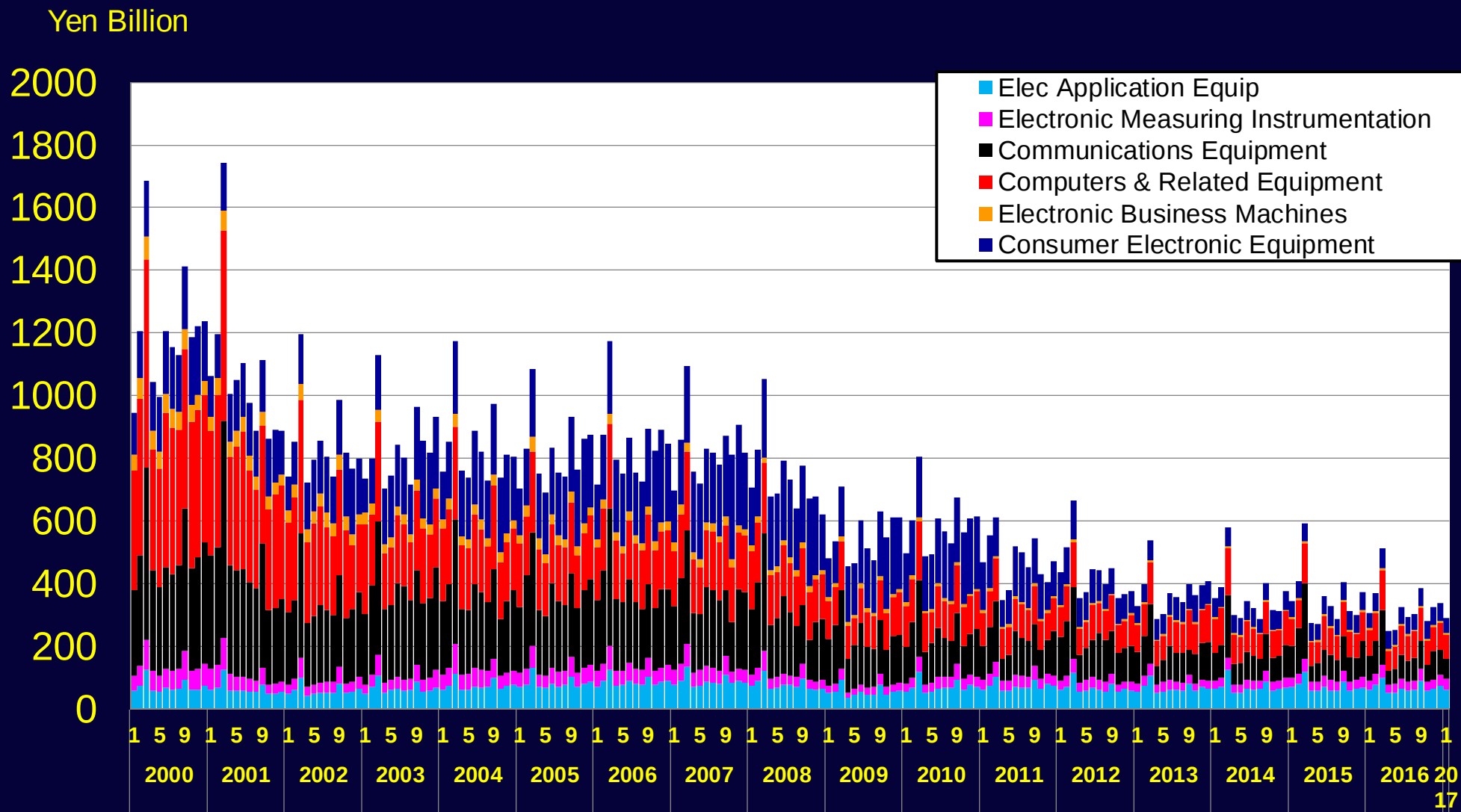
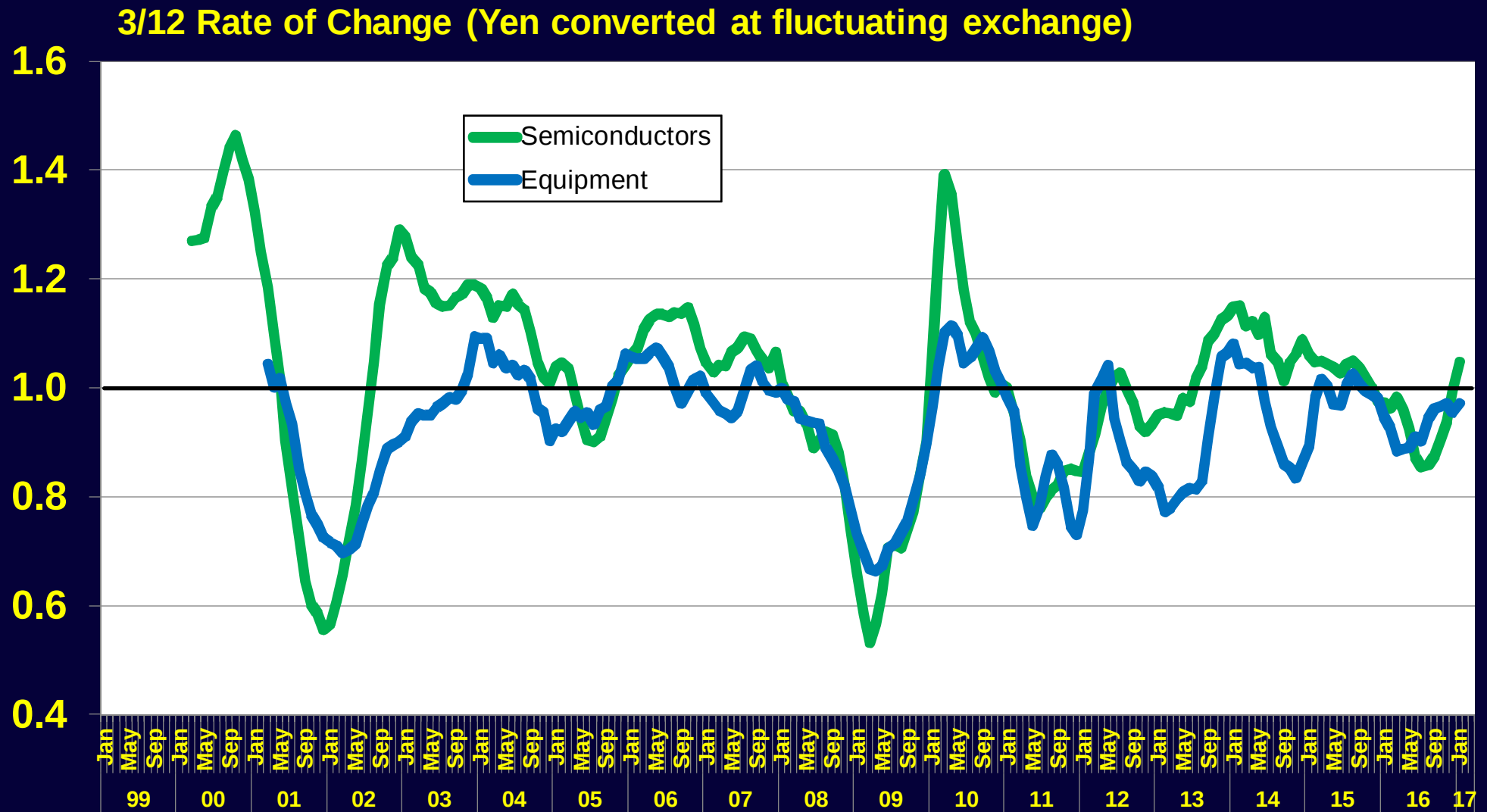


Chart 7

Semiconductor Shipments to Japan vs. Japanese Electronic Equipment Production



Total \$ Semiconductor Shipments from All Countries to Japan www.sia-online.org/,
JEITA www.jeita.or.jp/

Chart 8 Japan Integrated Circuit & Discrete Semiconductor Domestic Production

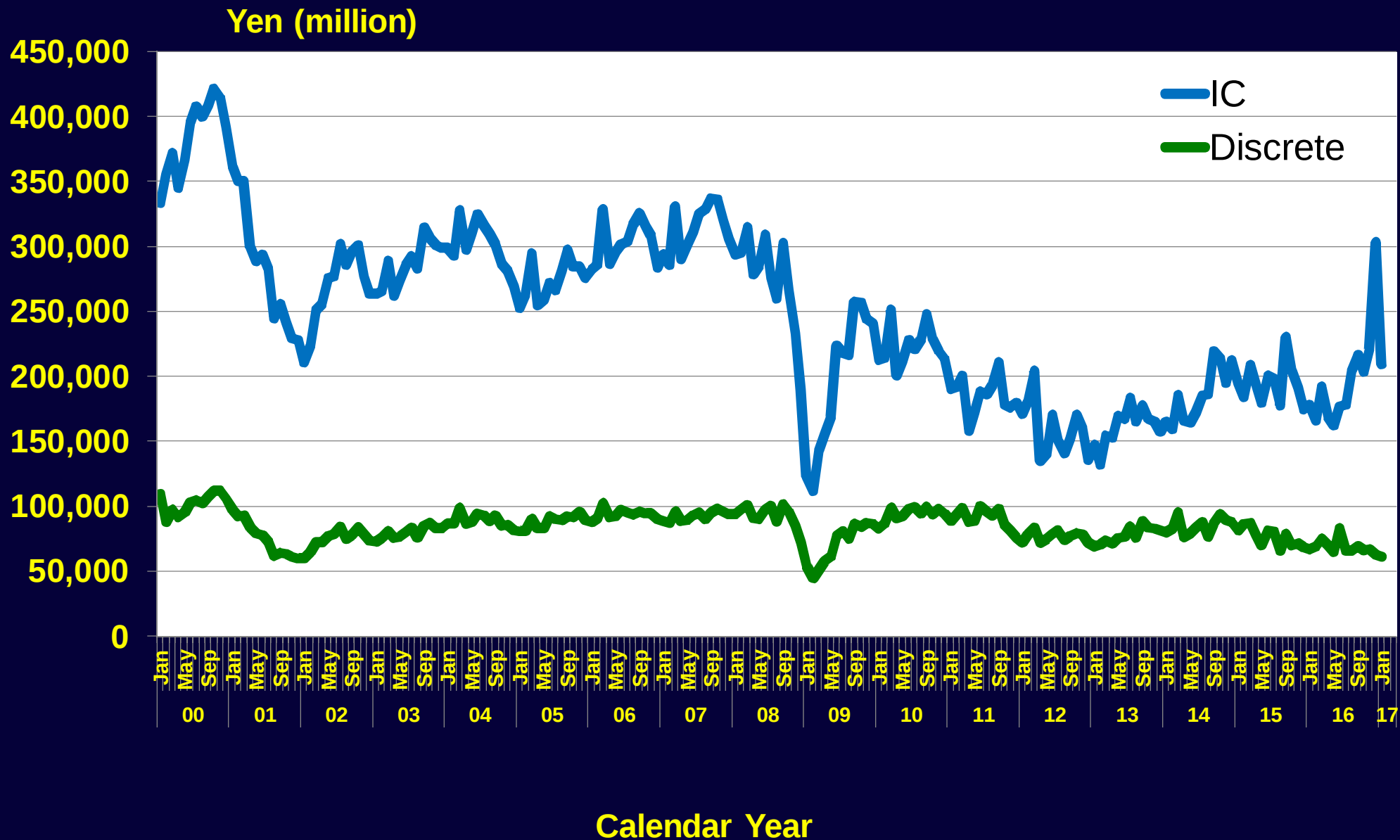
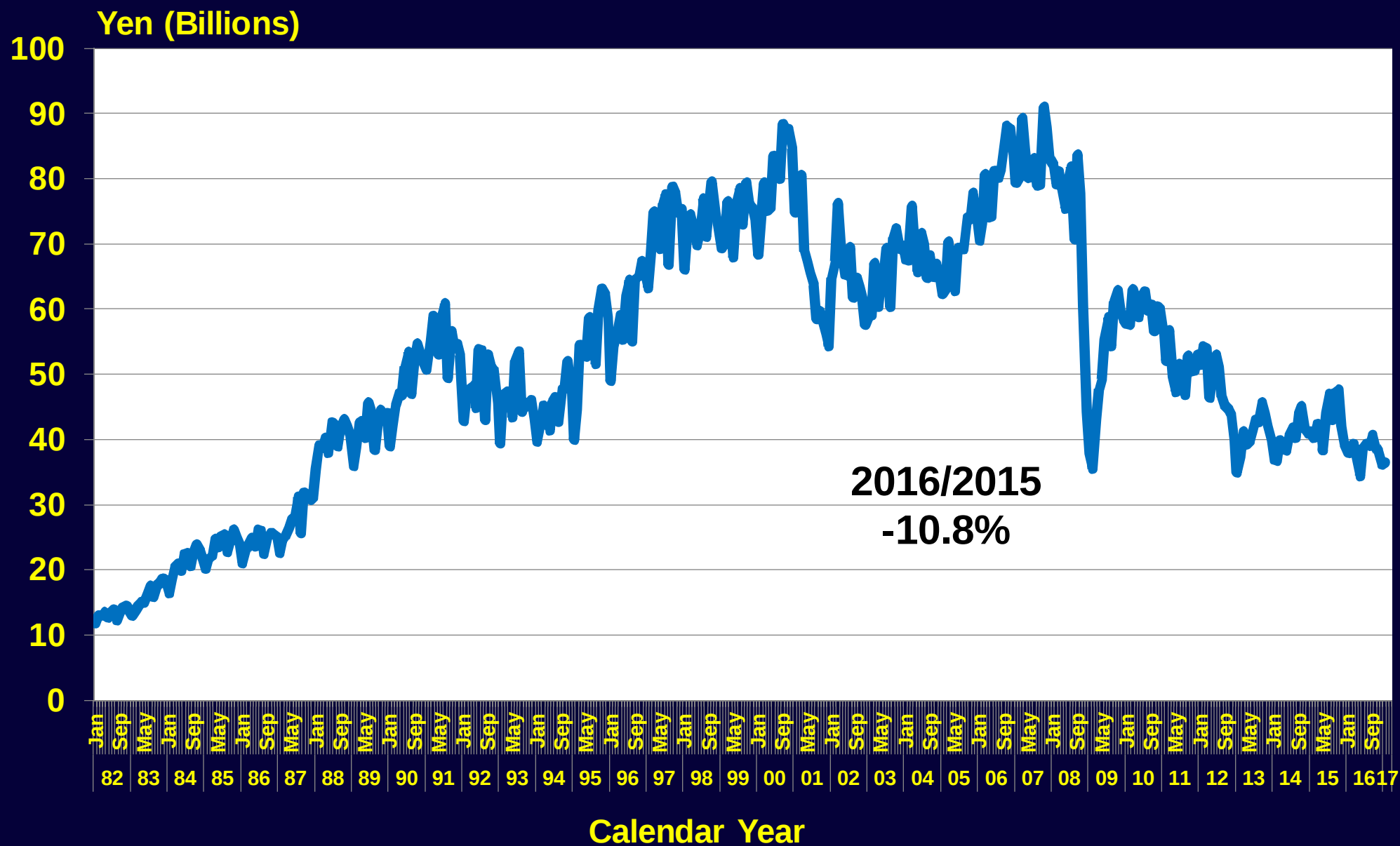


Chart 9

Japan PCB Production



Japan PCB Production

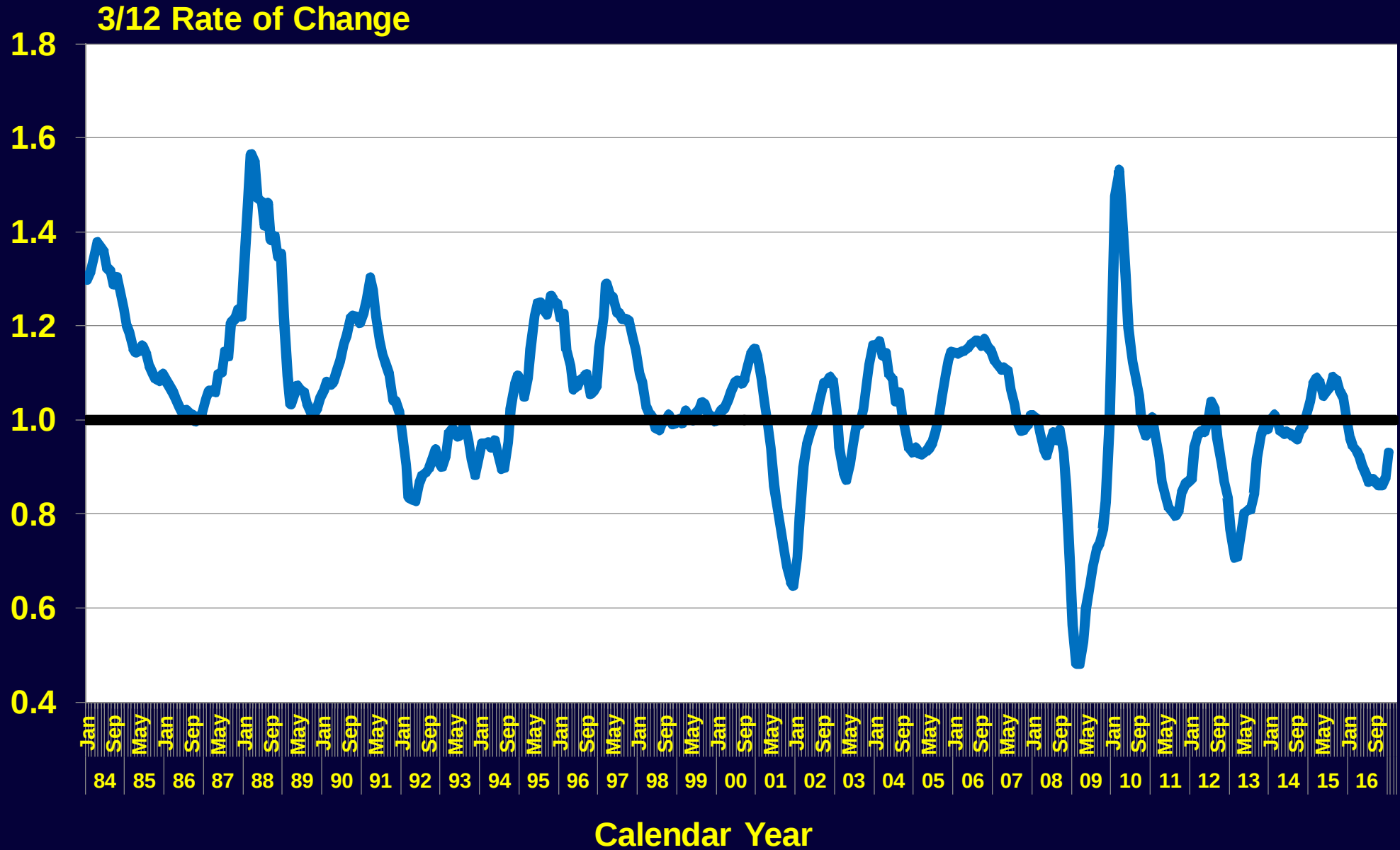


Chart 11

Japanese Electronic Component & Device Production

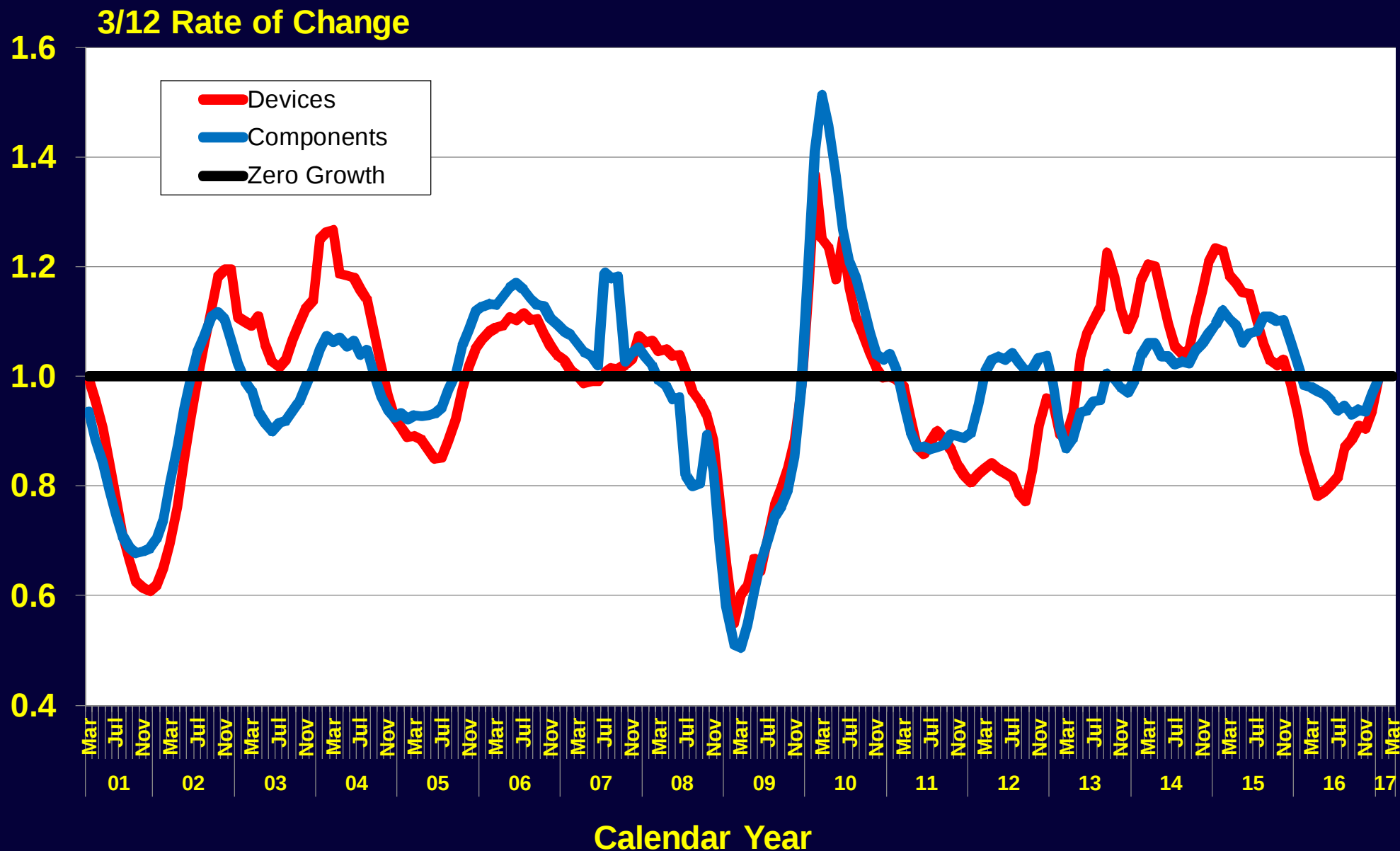


Chart 12

U.S. Electronic Equipment Book/Bill Ratio

3-Month Average

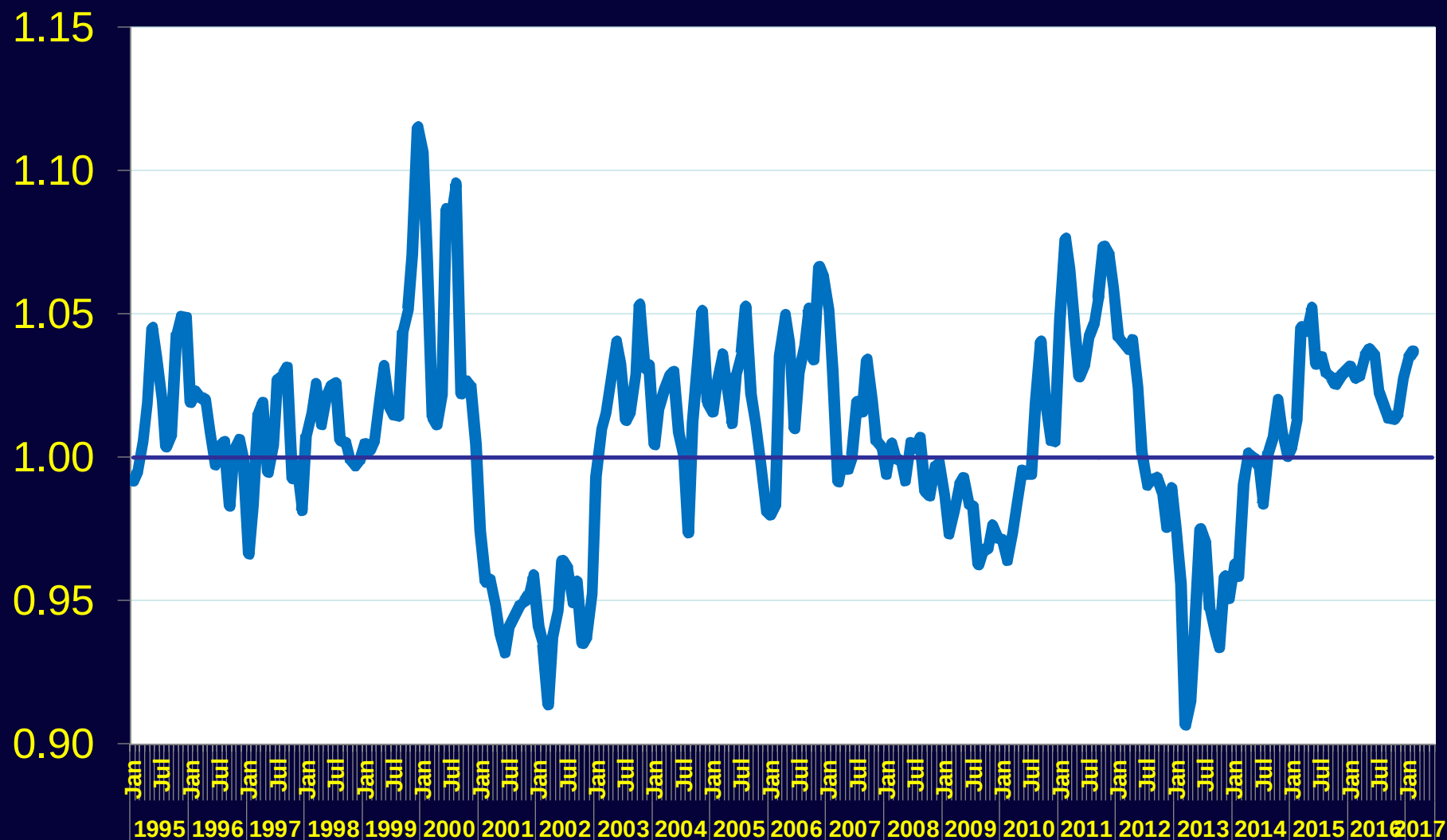


Chart 13

U.S. Electronic Equipment Order & Shipment Growth

Computer, Communications, Measurement & Control and Military

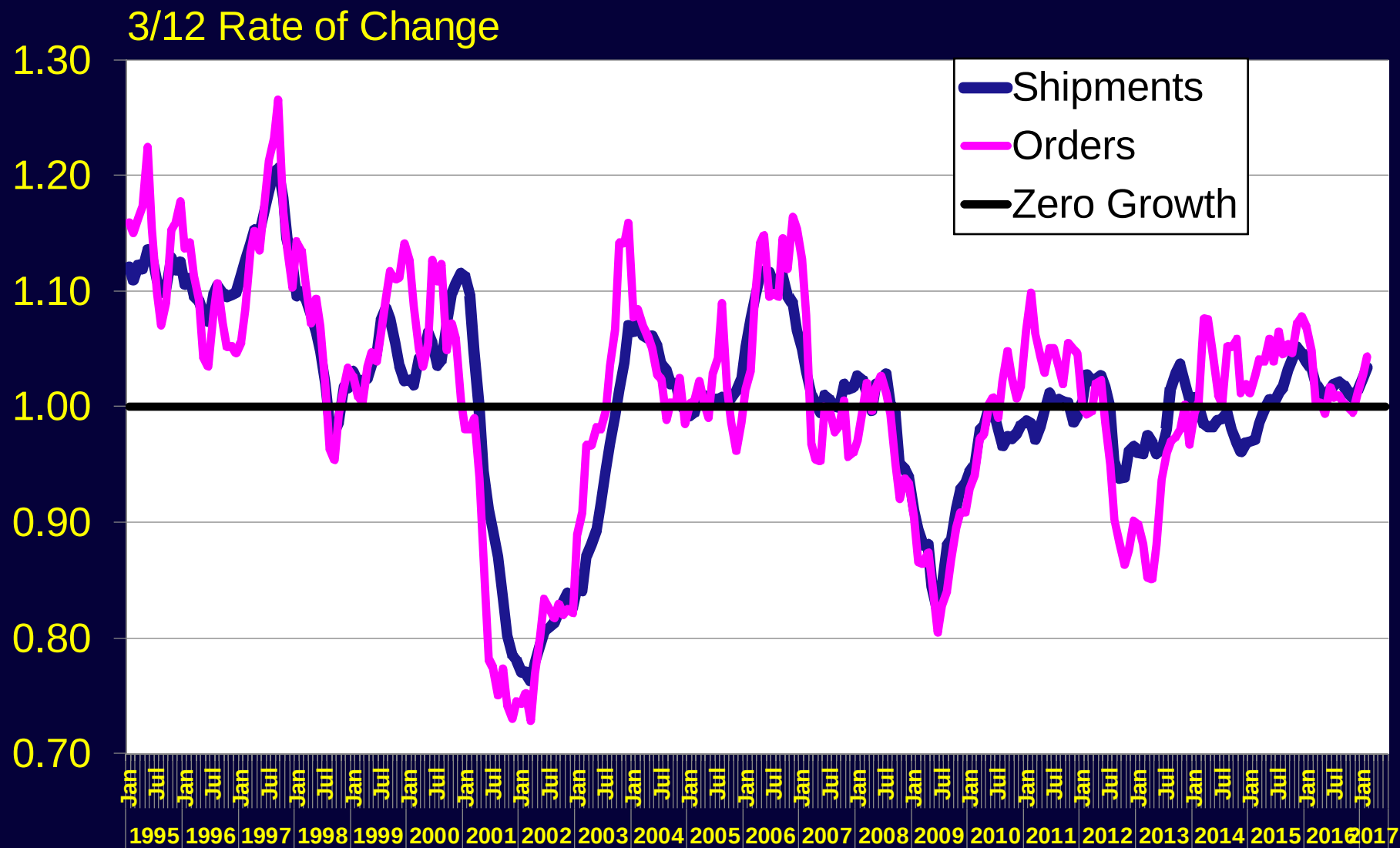


Chart 14

U.S. Electronic Equipment Orders & Shipments

Computer, Communications, Measurement & Control and Military

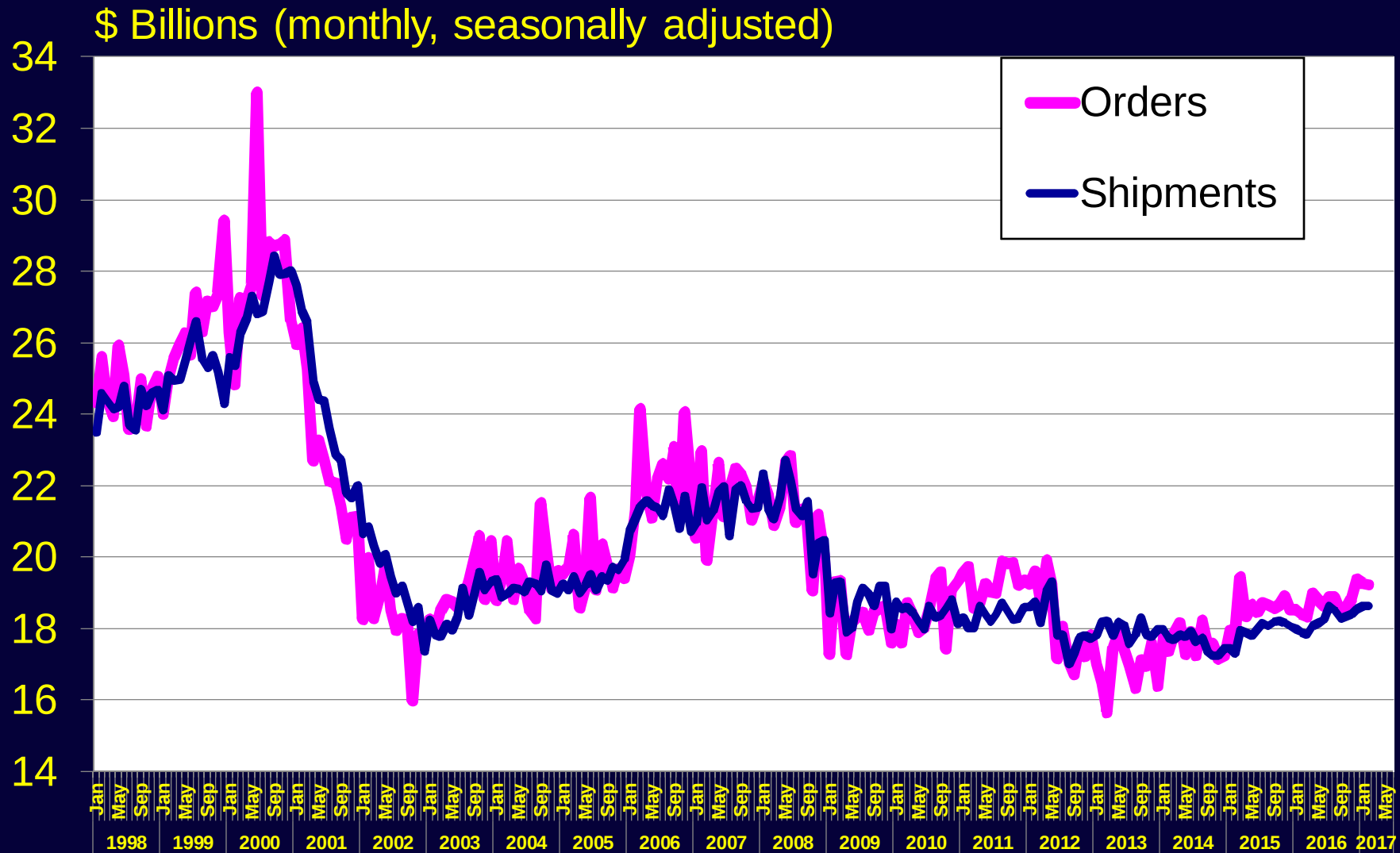


Chart 15

U.S. Defense Capital Goods Orders & Shipments

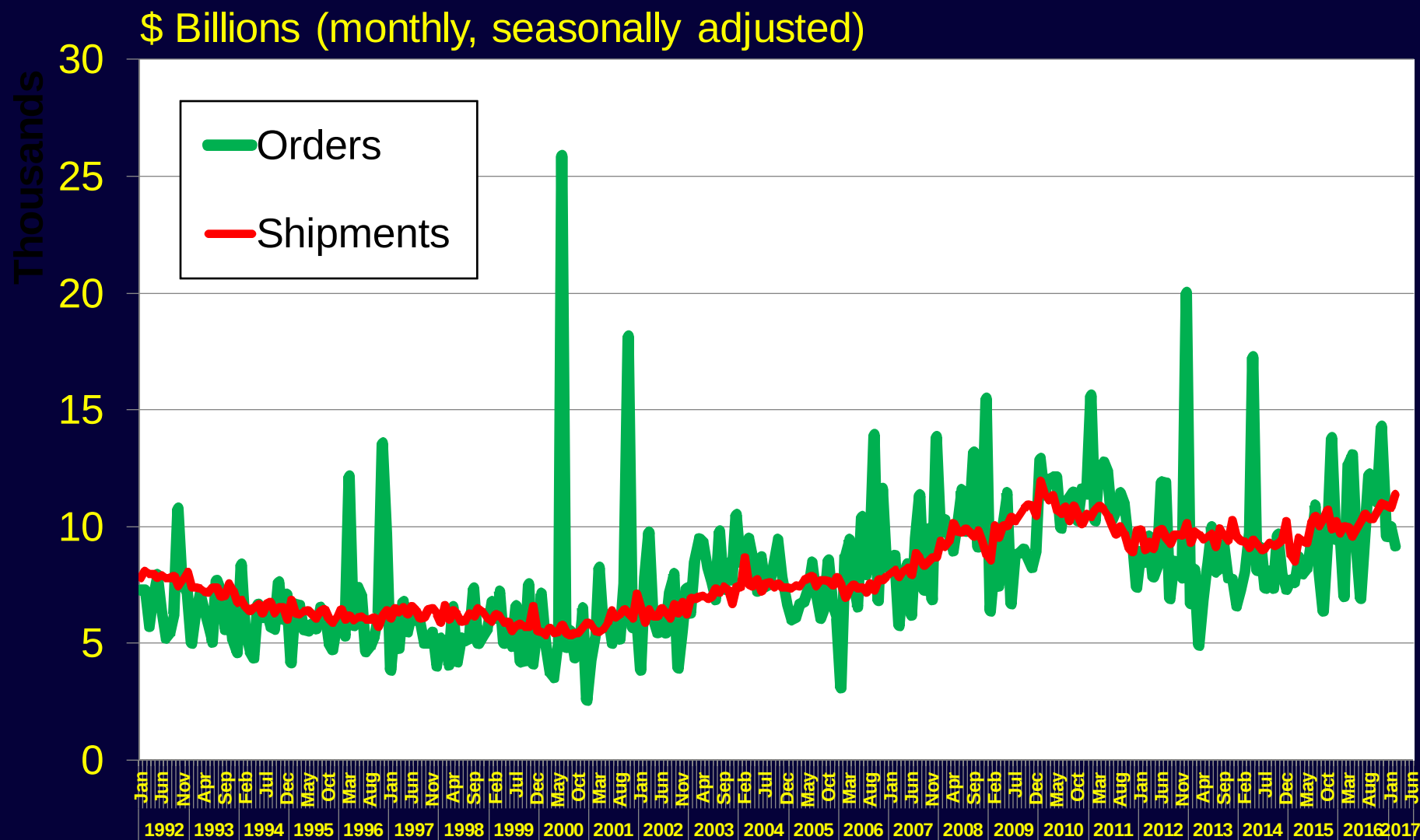


Chart 16

U.S. Defense Capital Goods Book/Bill Ratio

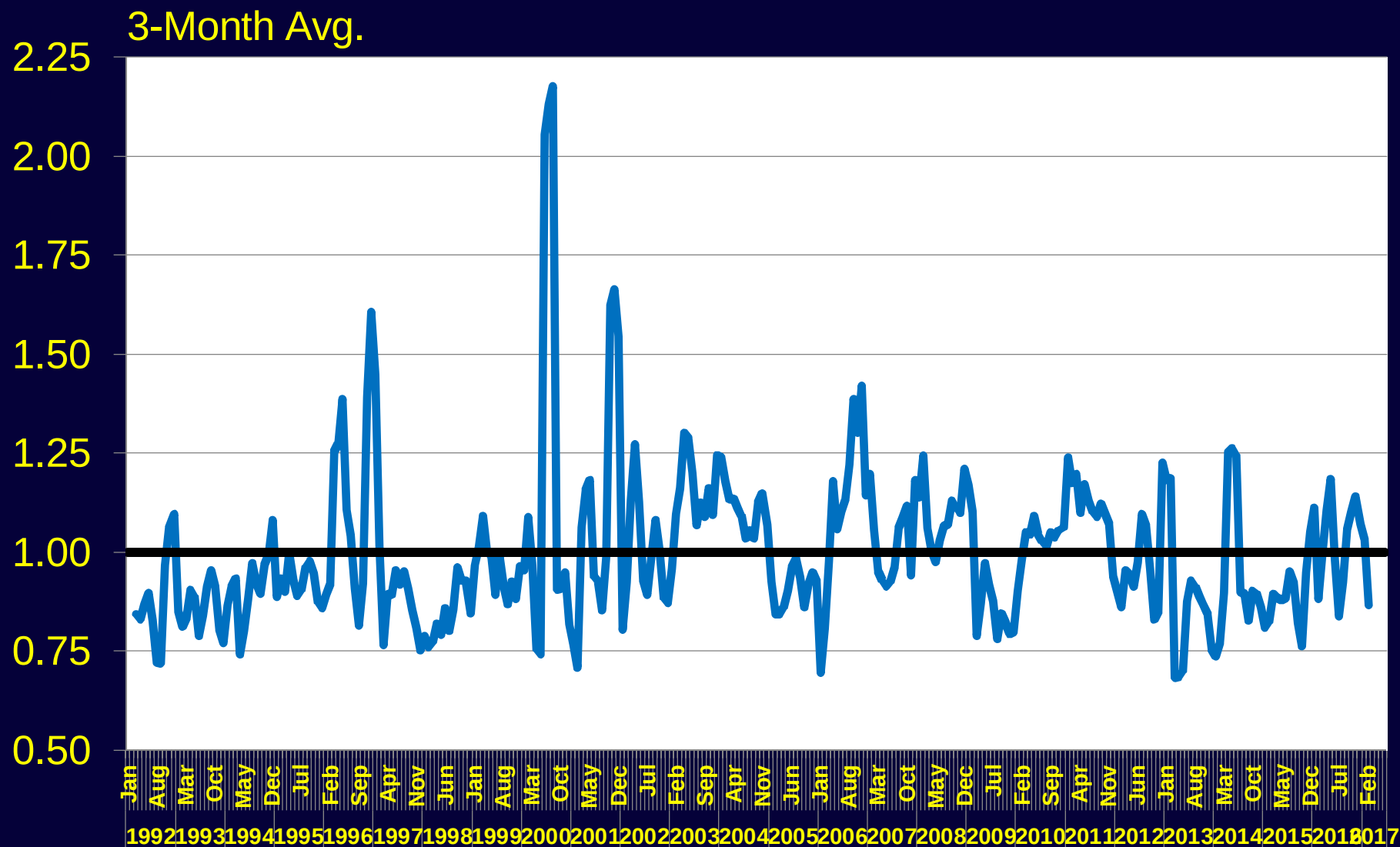


Chart 17

U.S. Aircraft & Parts Shipments

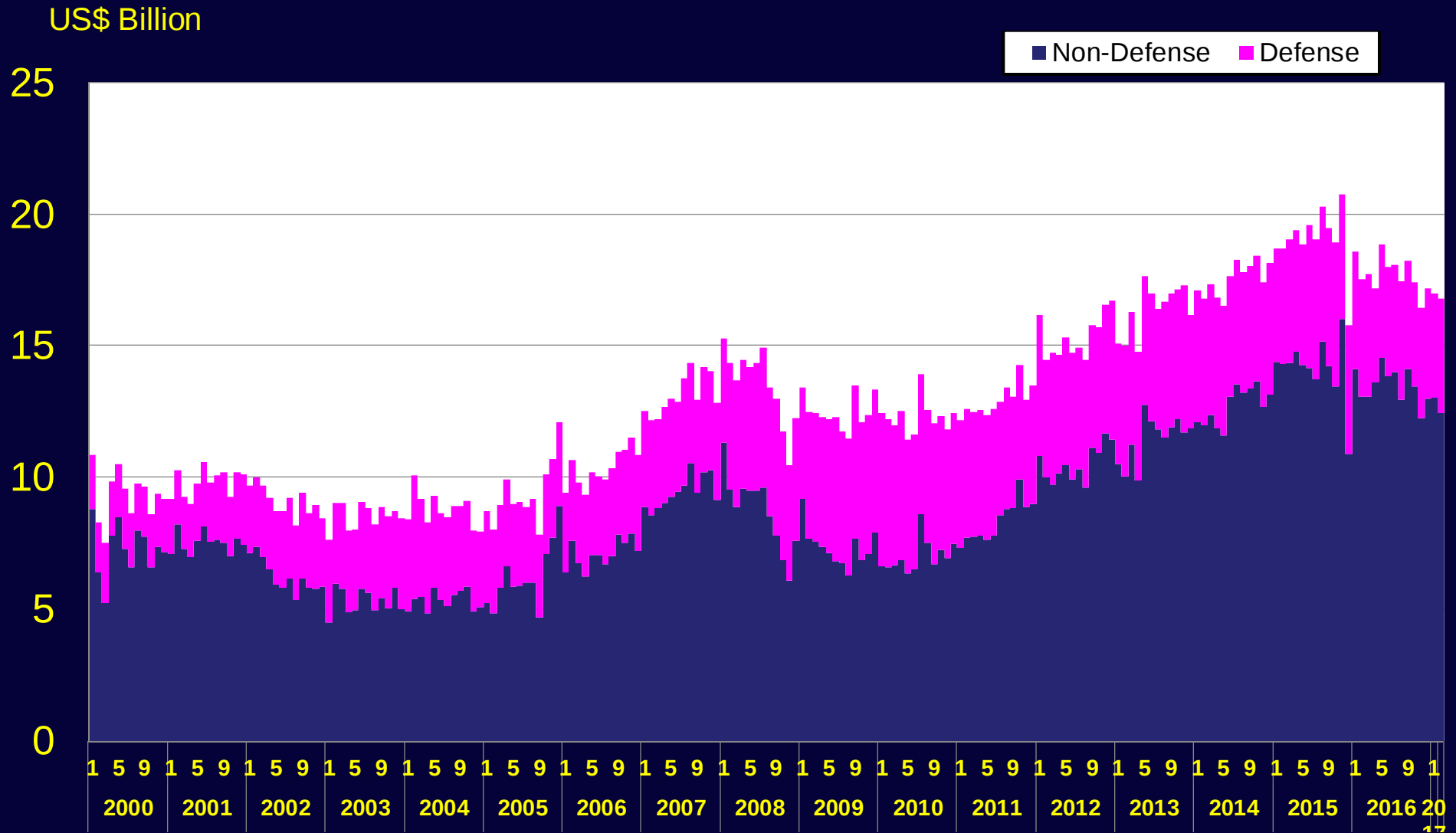


Chart 18

U.S. Aircraft & Parts Orders

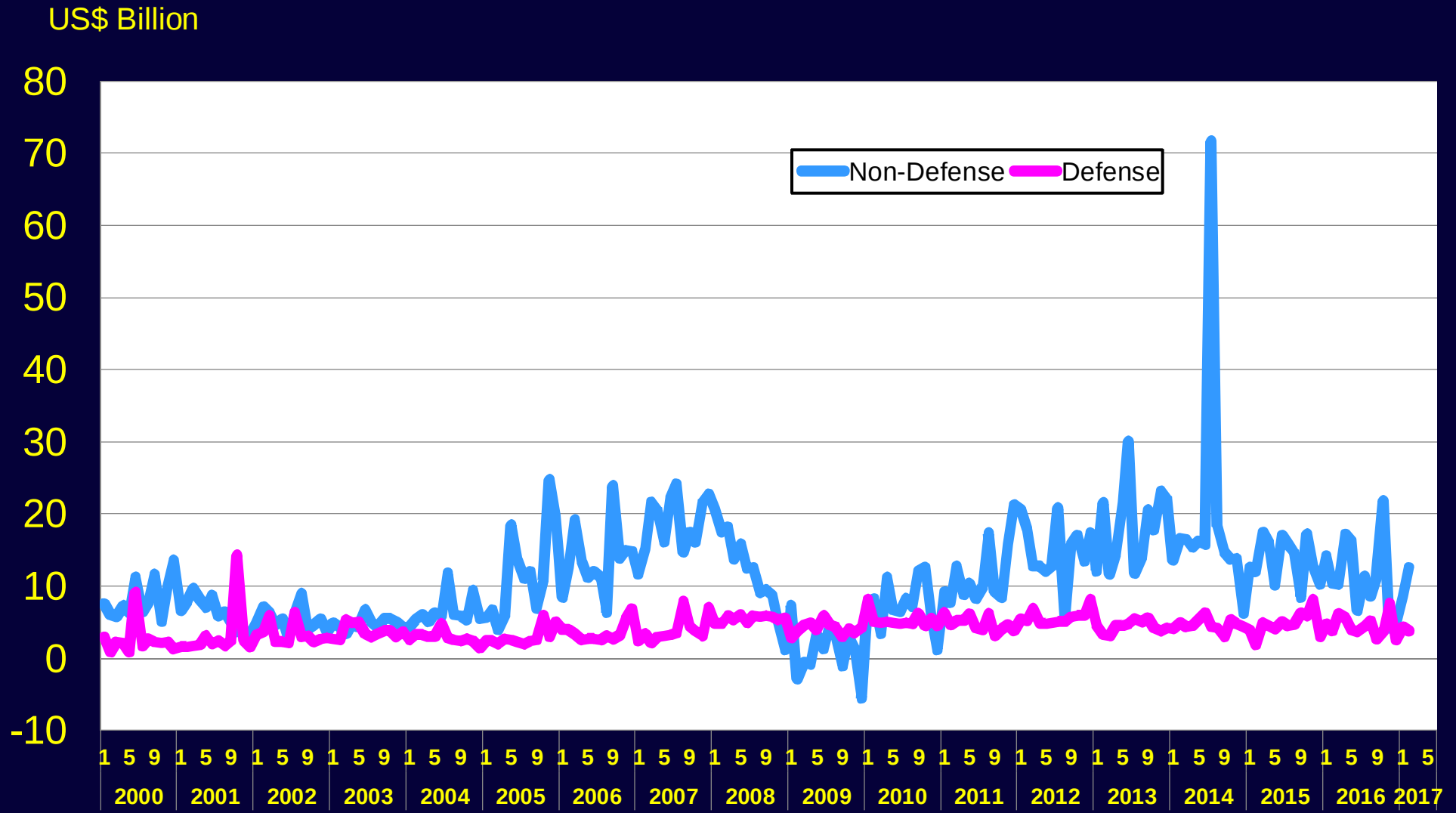


Chart 19

U.S. Communication Equipment Orders & Shipments

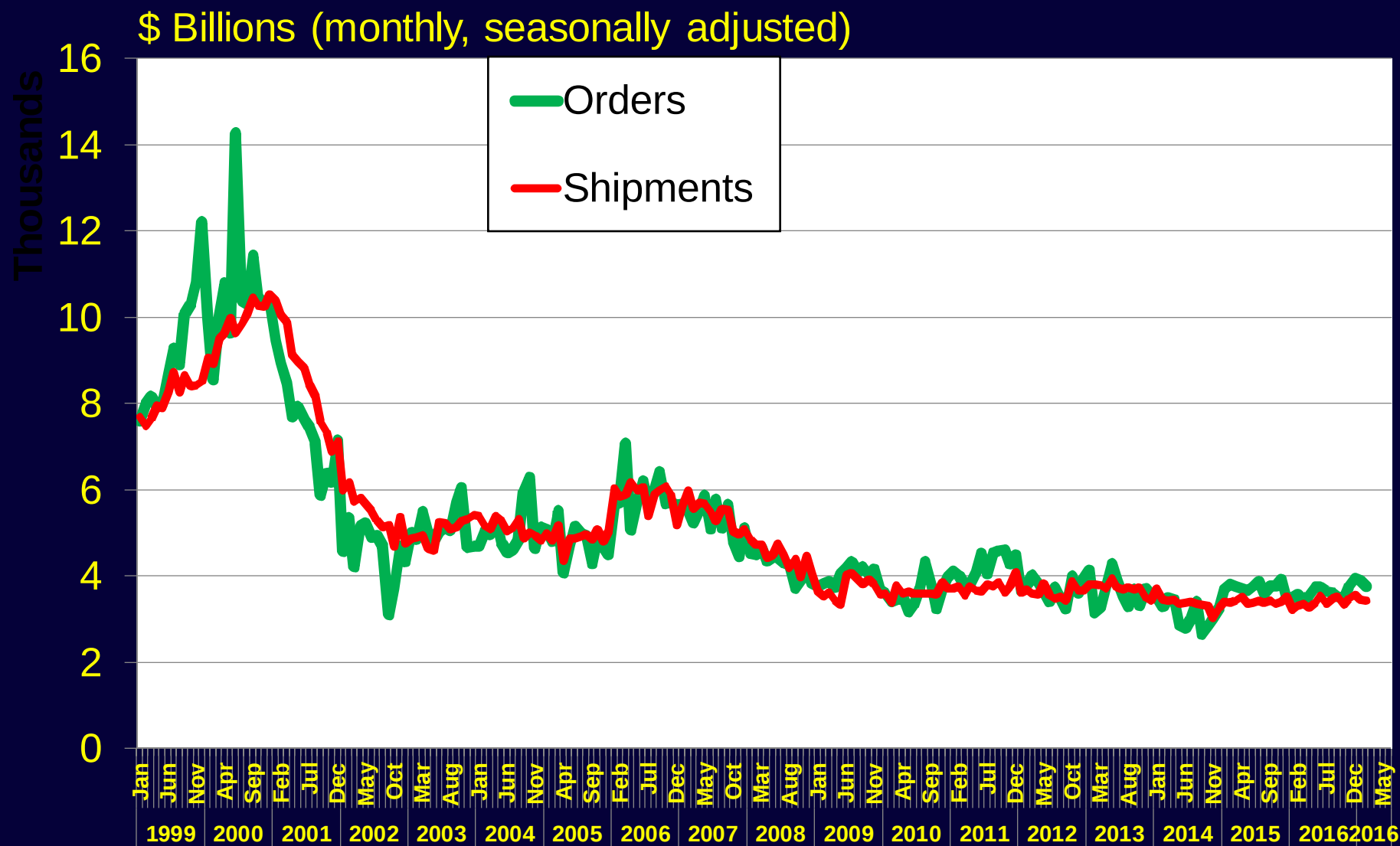


Chart 20

U.S. Computers & Related Products Orders & Shipments

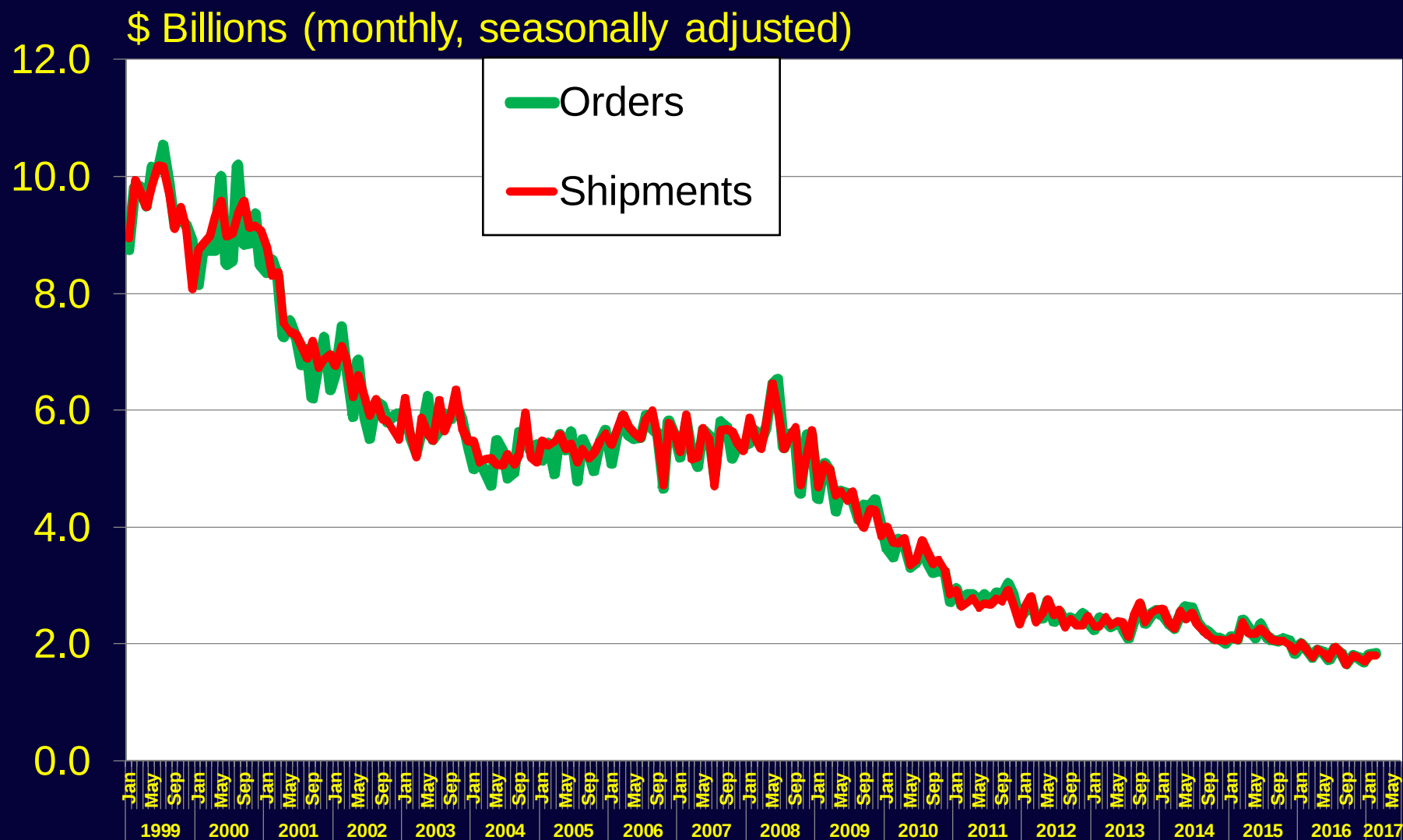
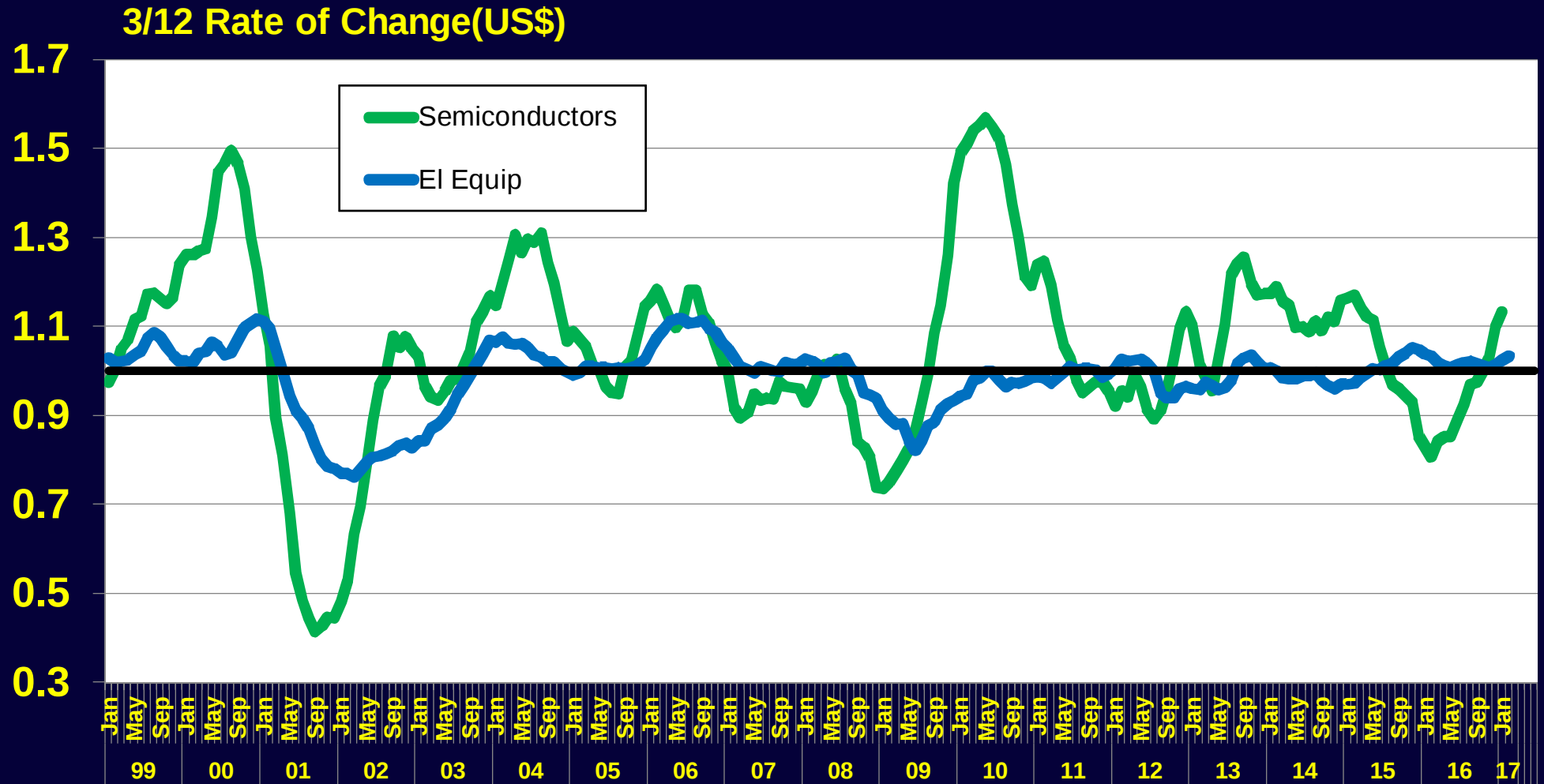
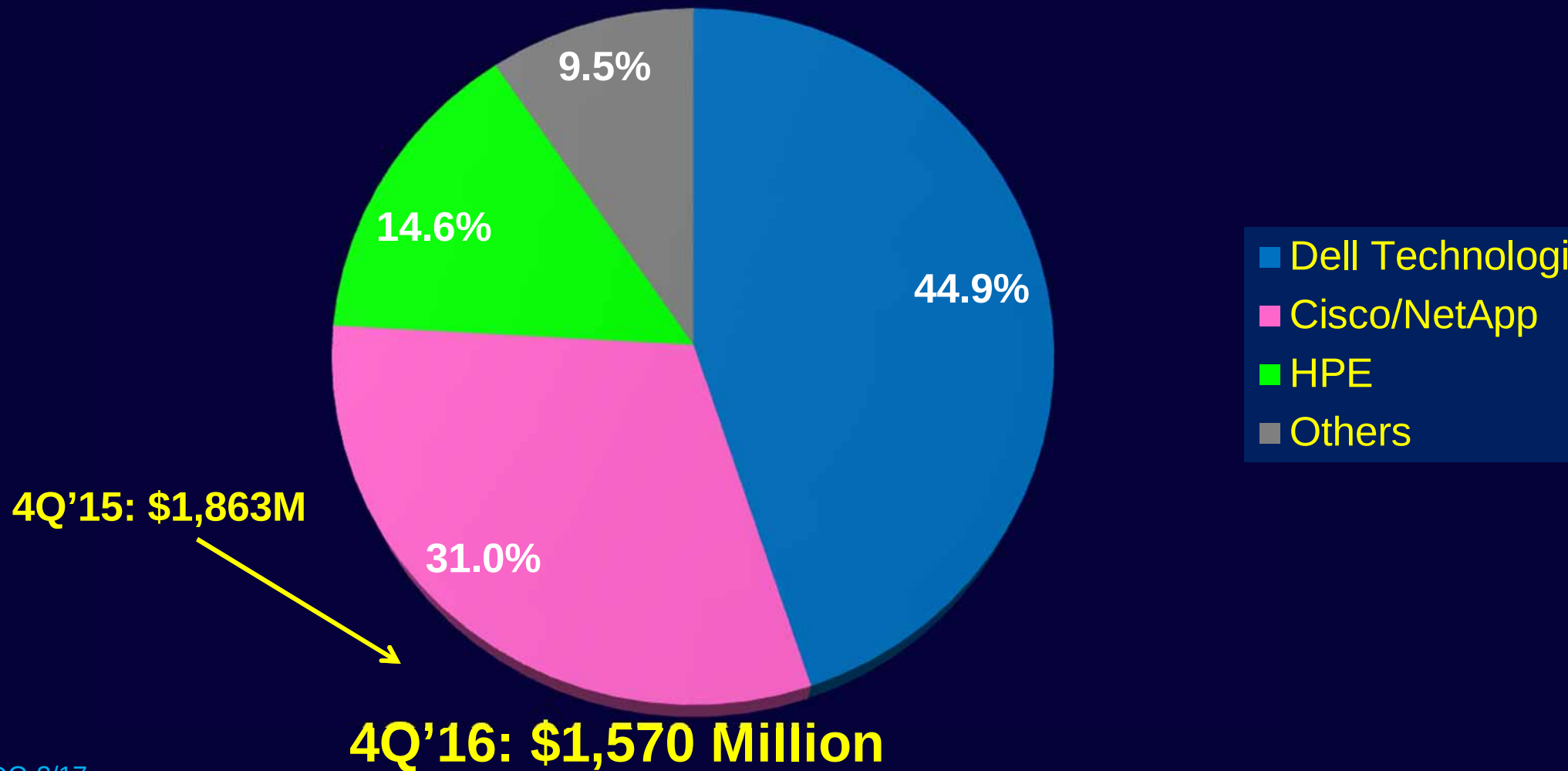


Chart 21

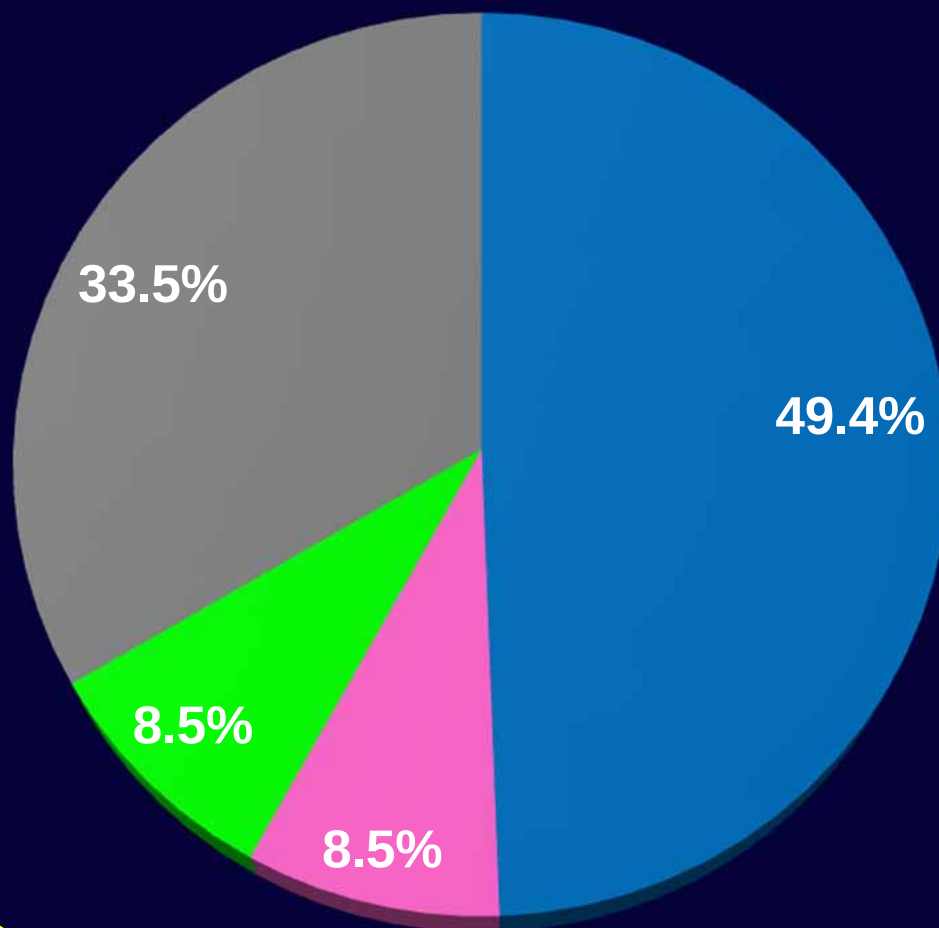
Semiconductor Shipments to N. America vs. U.S Electronic Equipment Production



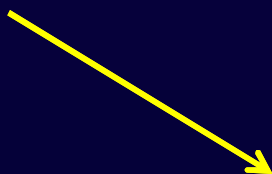
Top 3 Vendors, Worldwide Integrated Systems & Certified Reference Systems 4Q'16



Top Vendors, Worldwide Integrated Platforms 4Q'16



4Q'15: \$901M



4Q'16: \$824 Million

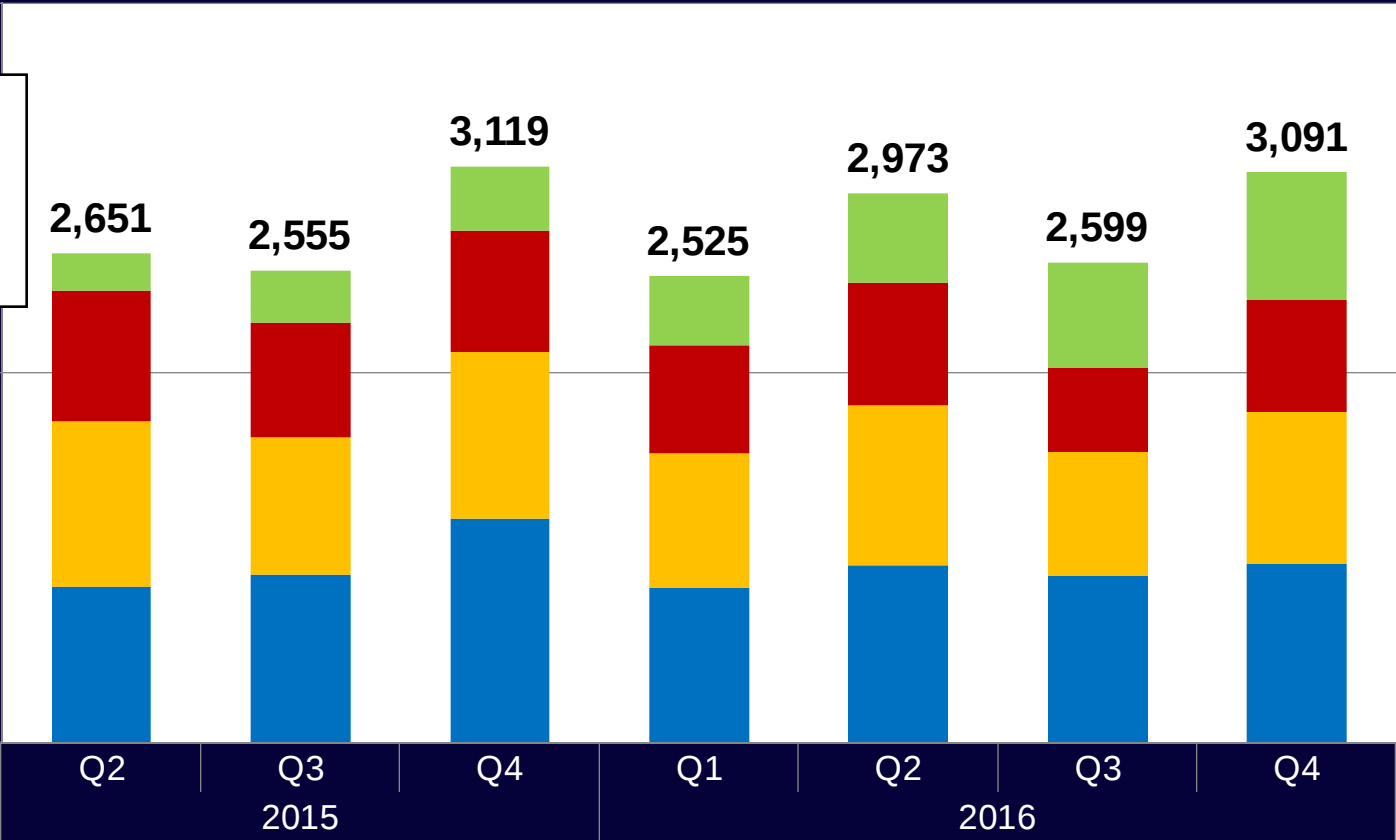
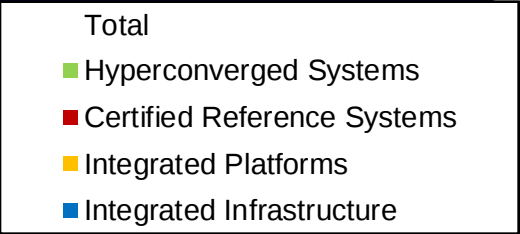
Worldwide Converged Systems Market by Product Category Vendor Revenue

US\$ (Millions)

4,000

2,000

0

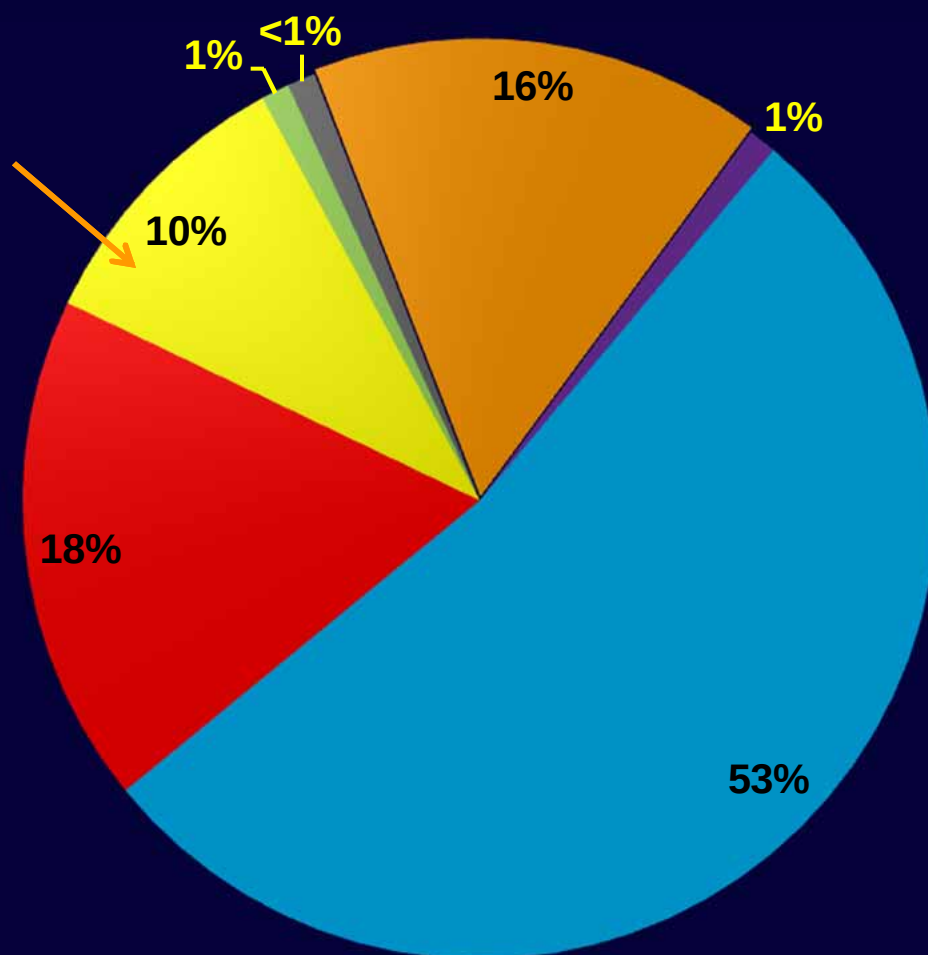


	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	2015			2016			
Total	2651	2555	3119	2525	2973	2599	3091
Hyperconverged Systems	202	280	351	373	481	571	697
Certified Reference Systems	709	620	655	585	667	455	607
Integrated Platforms	896	744	901	733	865	672	824
Integrated Infrastructure	844	911	1212	834	960	902	964

2016 Fabless Company IC Sales by Company Headquarters Location

Chinese Companies

HiSilicon
Spreadtrum
ZTE Micro
Datang
Nari Smart Chip
CIDC Group
RDA
ISSI
Rockchip
Allwinner
Montage

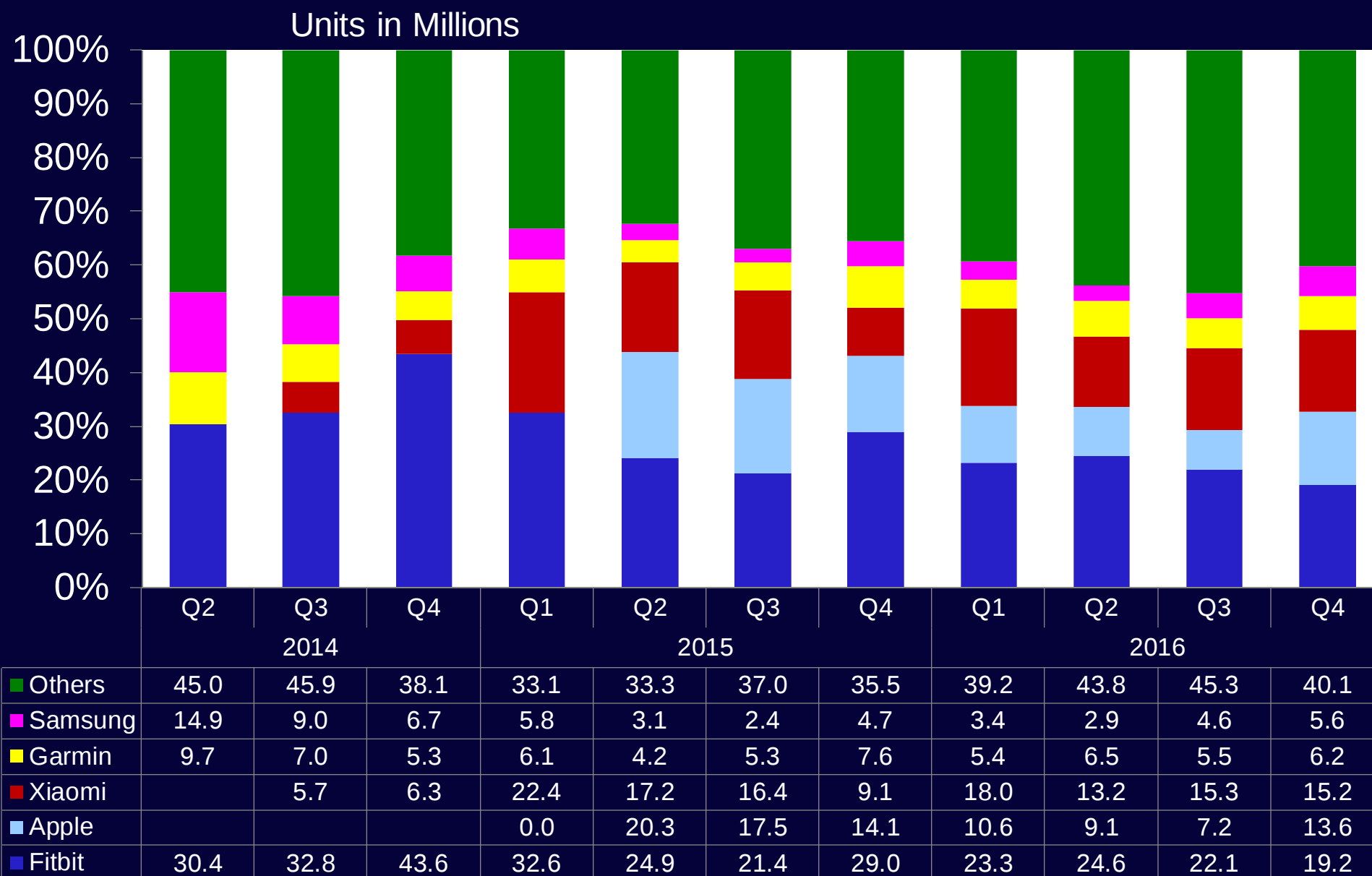


2016 Total: \$90.4 Billion

Chart 26

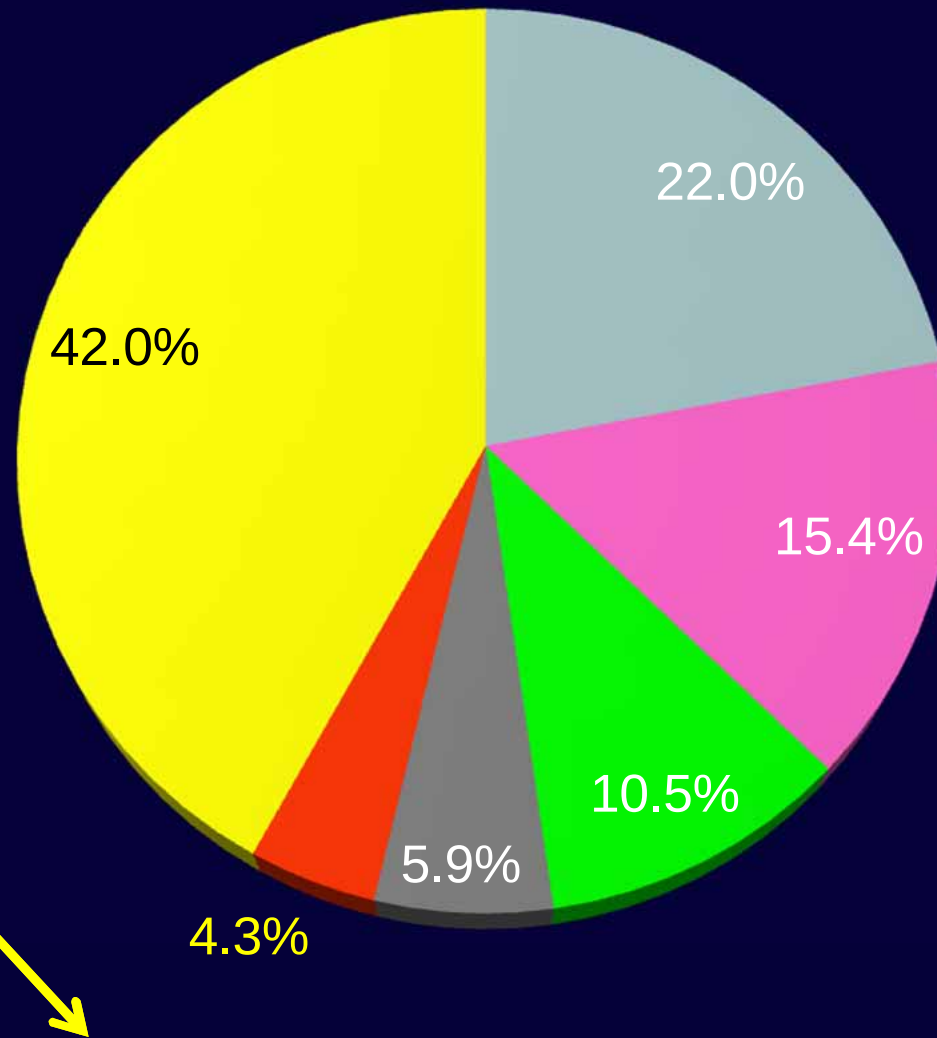
Wearable Vendors

Global % Share of Largest Suppliers

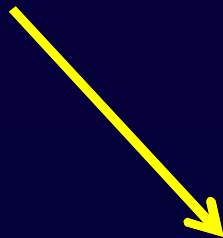


IDC 3/17 & prior reports

Wearable Device Vendors 2016 Units



**2015 Total
81.9 Million Units**



2016 Total: 102.4 Million Units