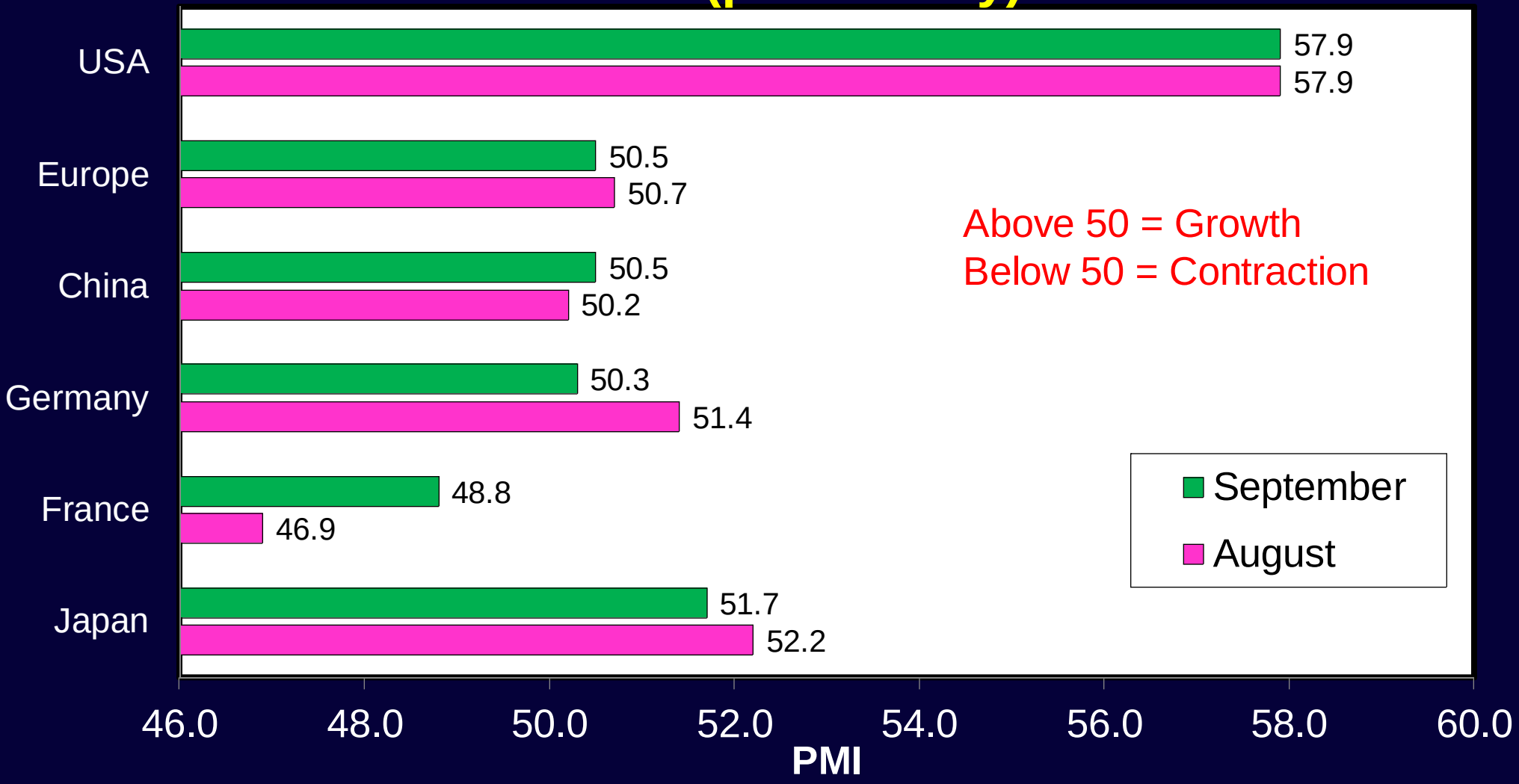
Chart 1

Purchasing Managers' Indices
September vs. August 2014
(preliminary)

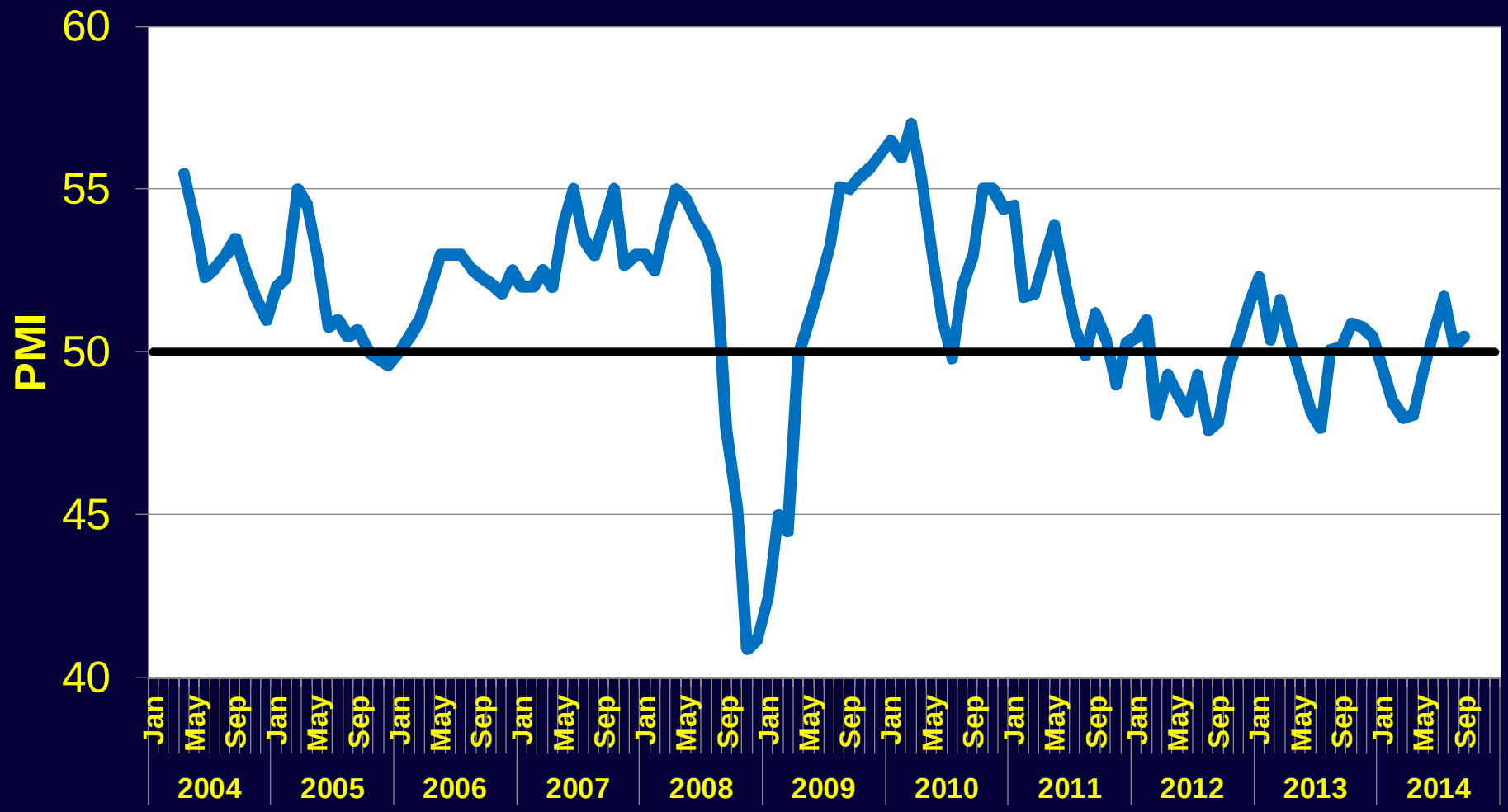


Markit Economics, JPMorgan and ISM

Chart 2

China "Purchasing Managers" Index

Diffusion Index, >50 = Growth

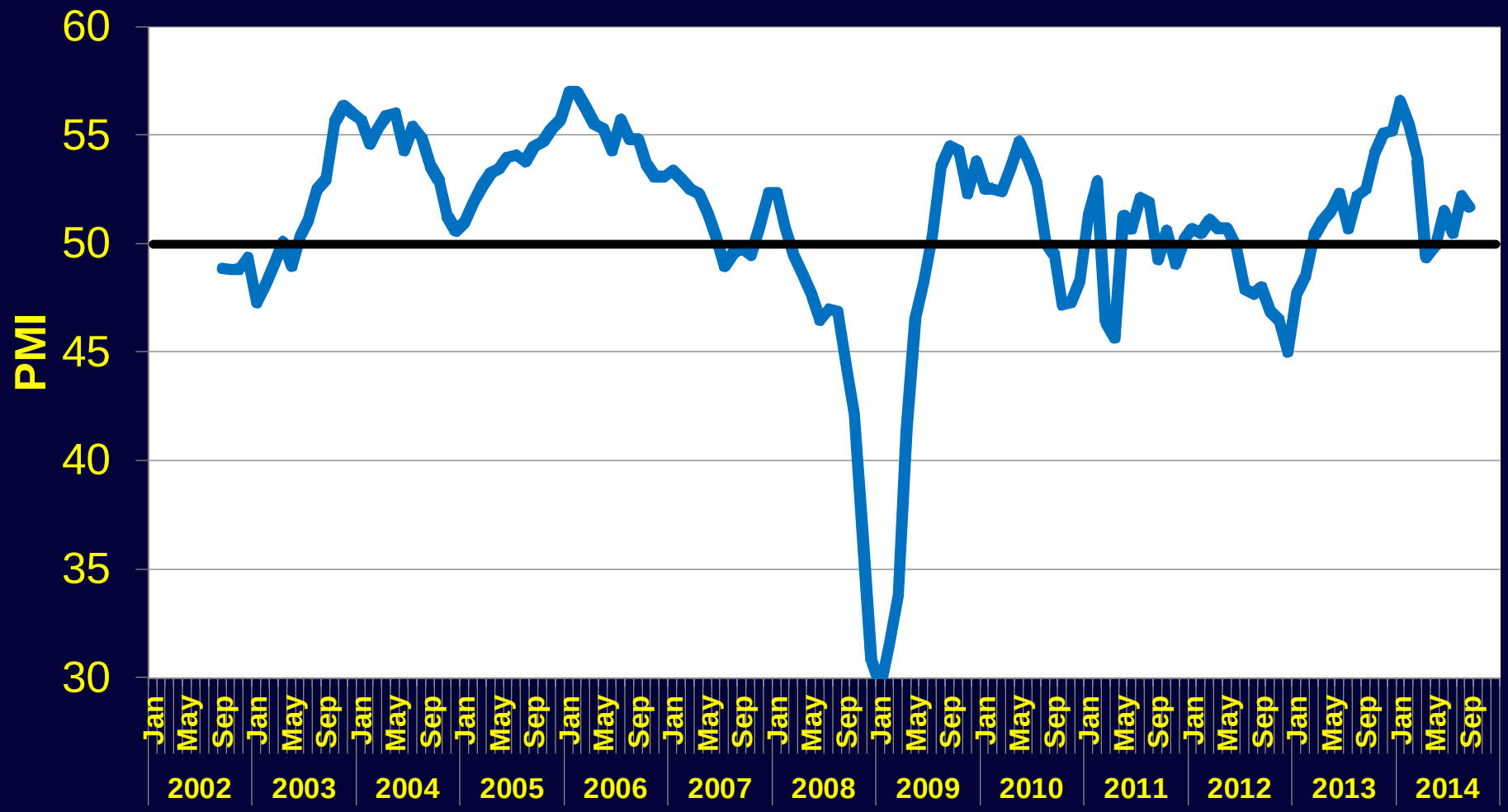


Markit Economics

Chart 3

Japan "Purchasing Managers" Index

Diffusion Index, >50 = Growth

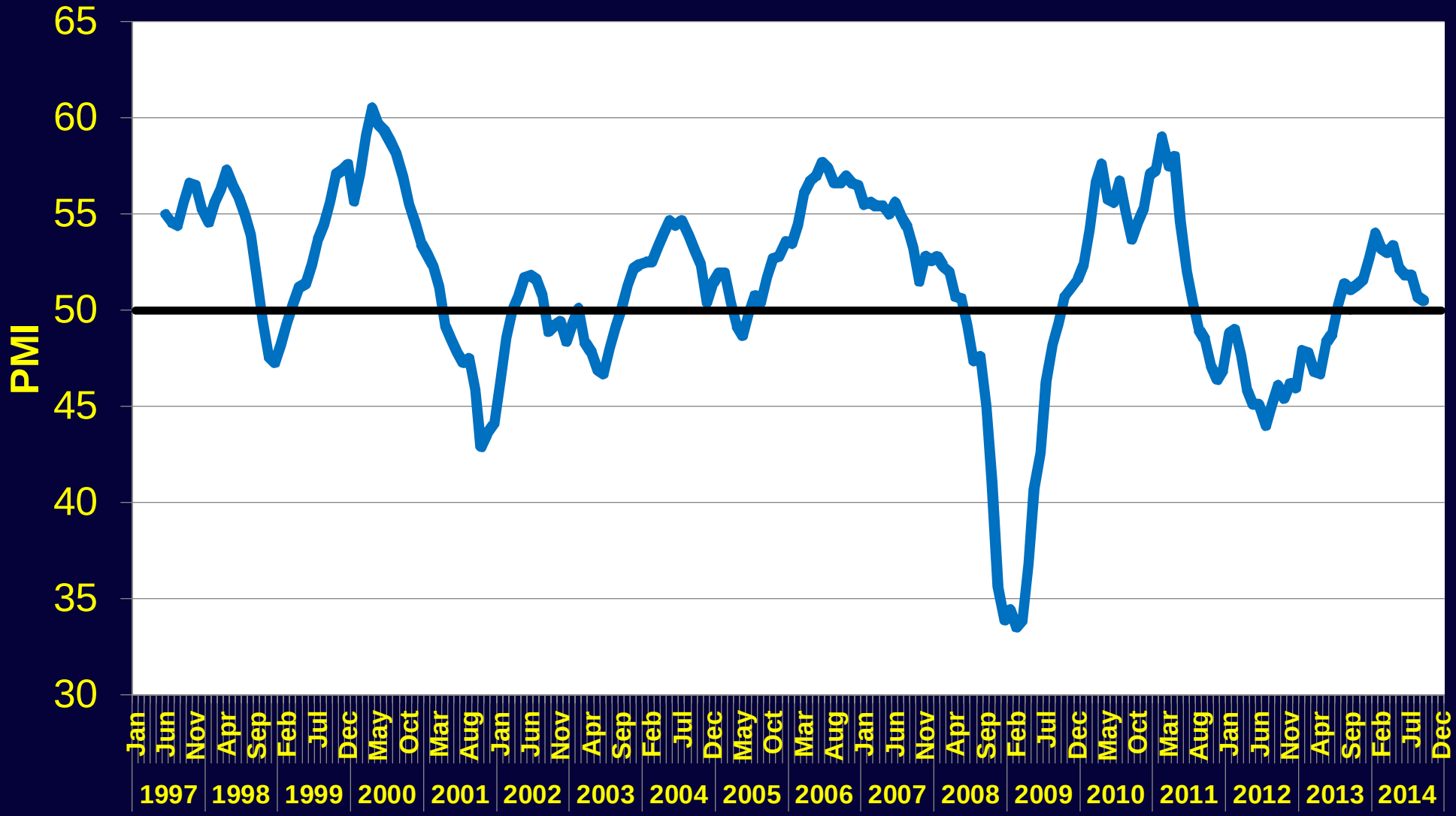


Nomura/JMMA

Chart 4

Eurozone "Purchasing Managers" Index

Diffusion Index, >50 = Growth

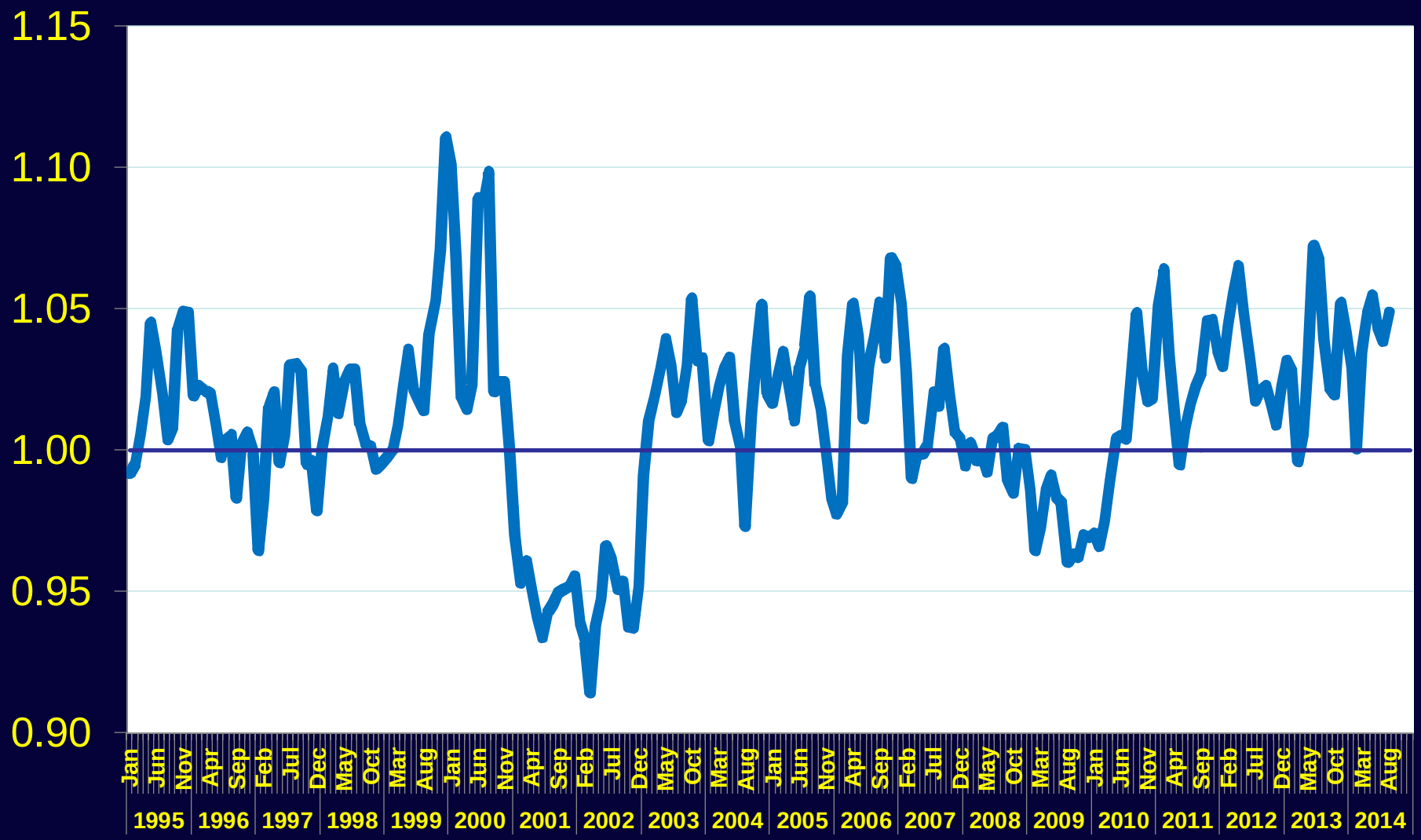


Markit Economics

Chart 5

U.S. Electronic Equipment Book/Bill Ratio

3-Month Average

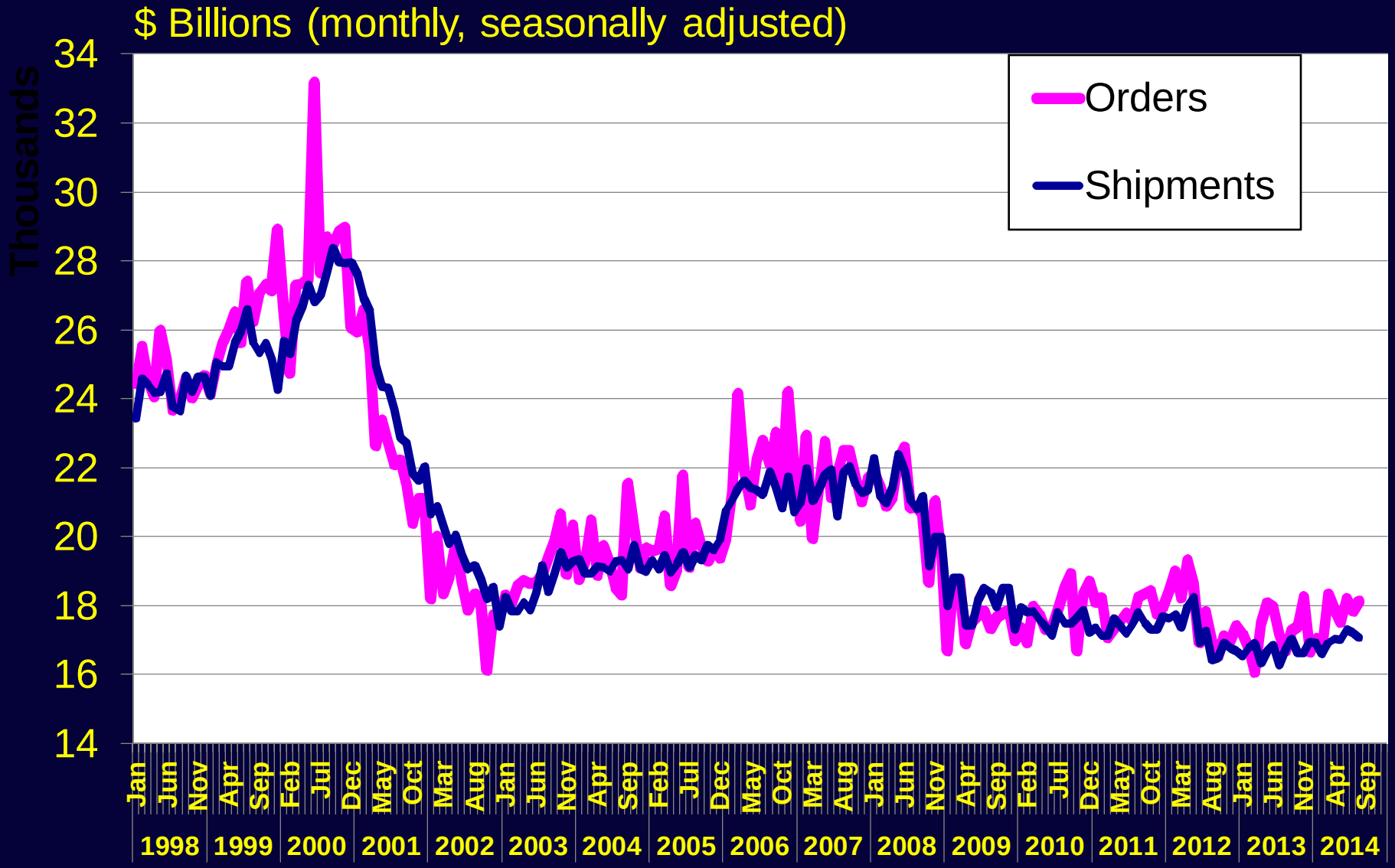


www.census.gov/indicator/www/m3/

Chart 6

U.S. Electronic Equipment Orders & Shipments

Computer, Communications, Measurement & Control and Military

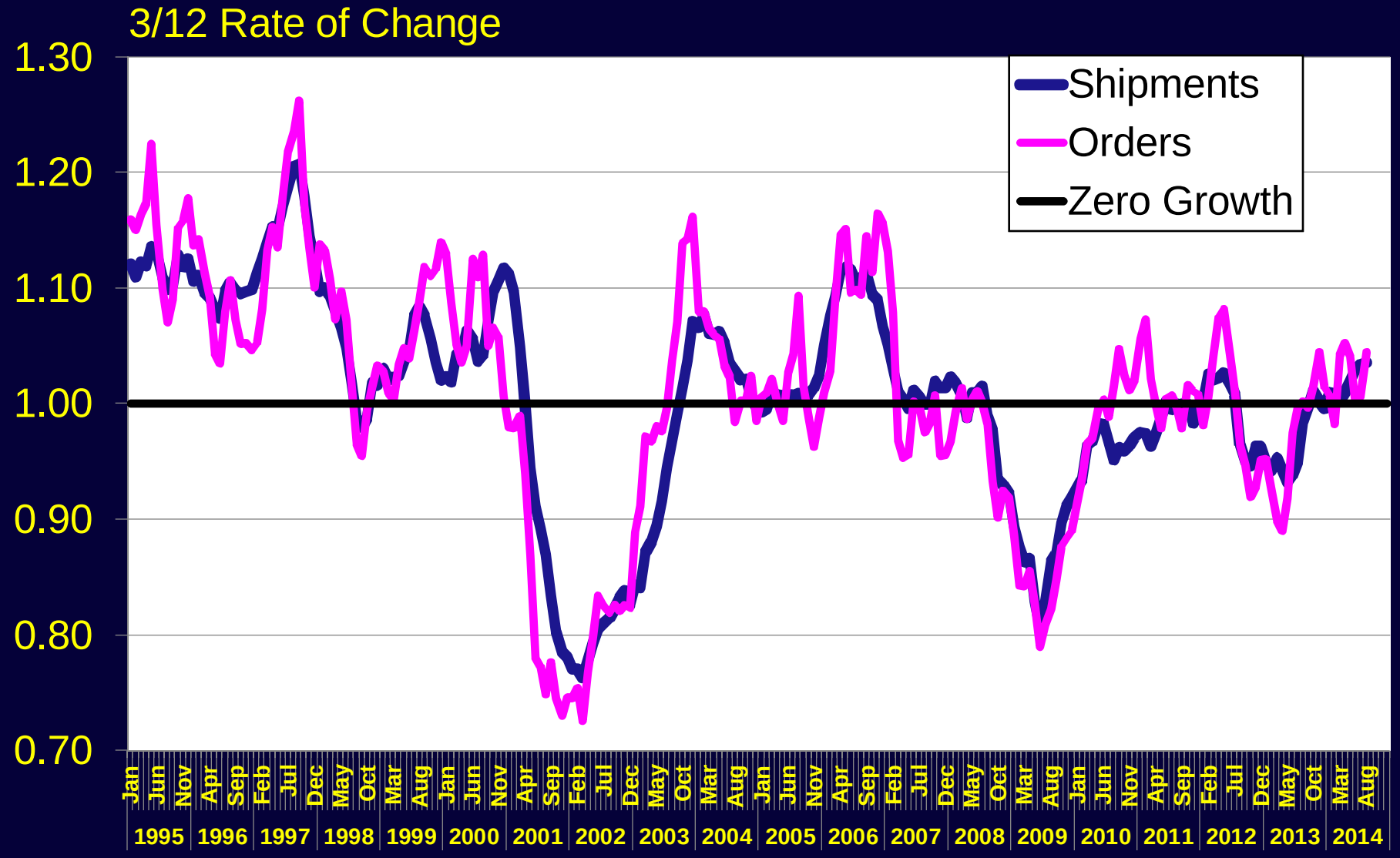


www.census.gov/indicator/www/m3/

Chart 7

U.S. Electronic Equipment Order & Shipment Growth

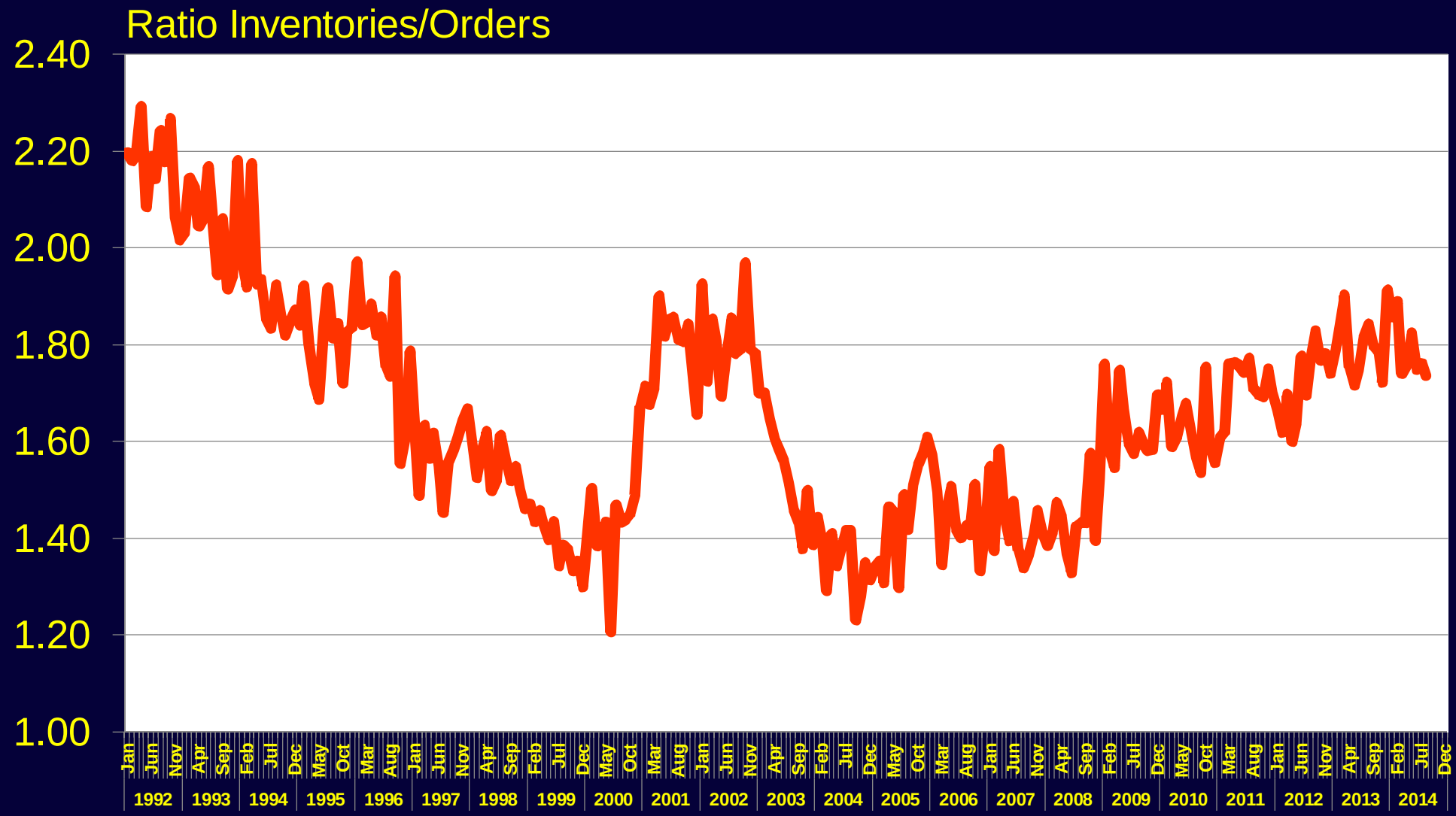
Computer, Communications, Measurement & Control and Military



www.census.gov/indicator/www/m3/

Chart 8

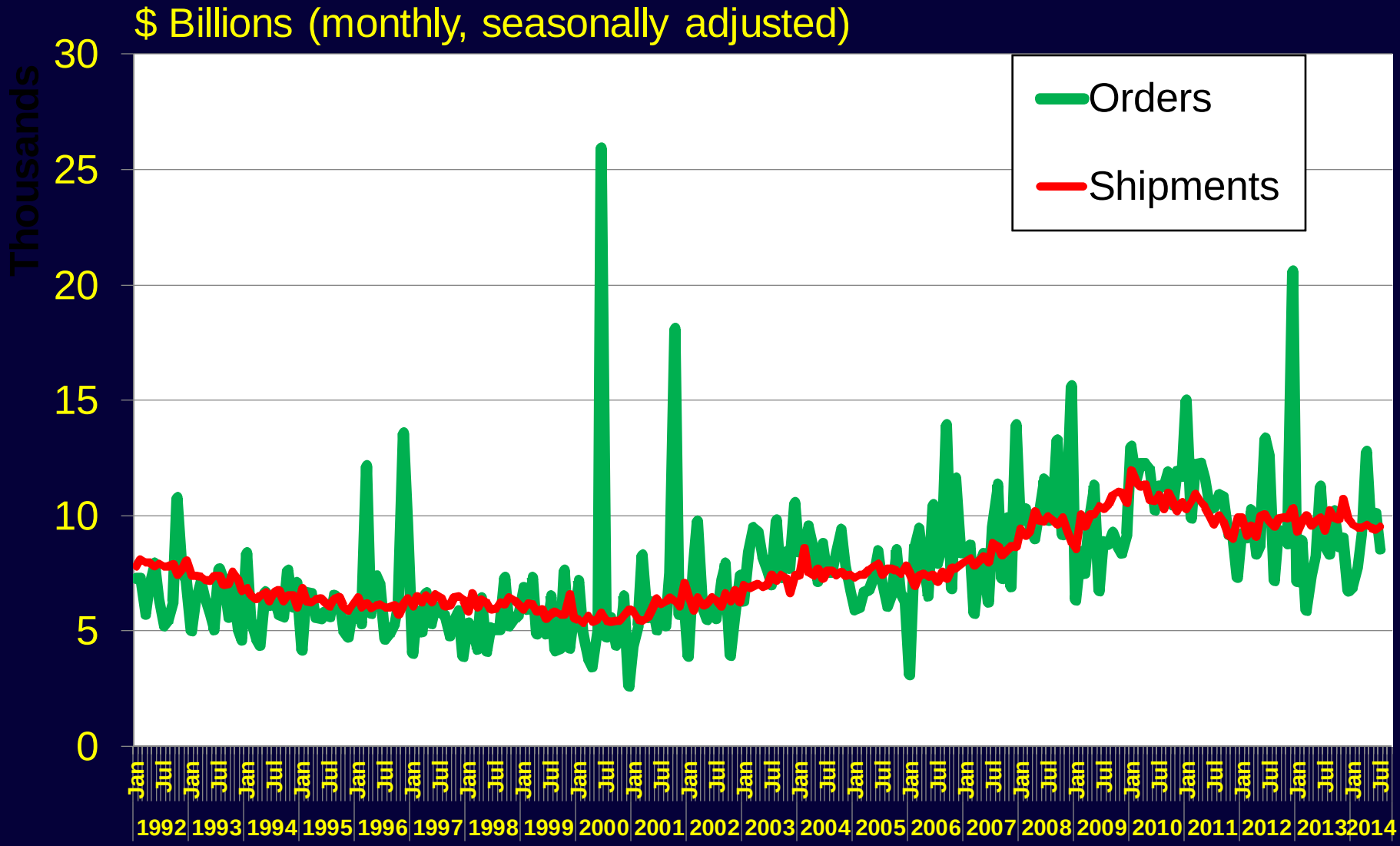
U.S. Electronic Equipment Inventories vs. Orders



www.census.gov/indicator/www/m3/

Chart 9

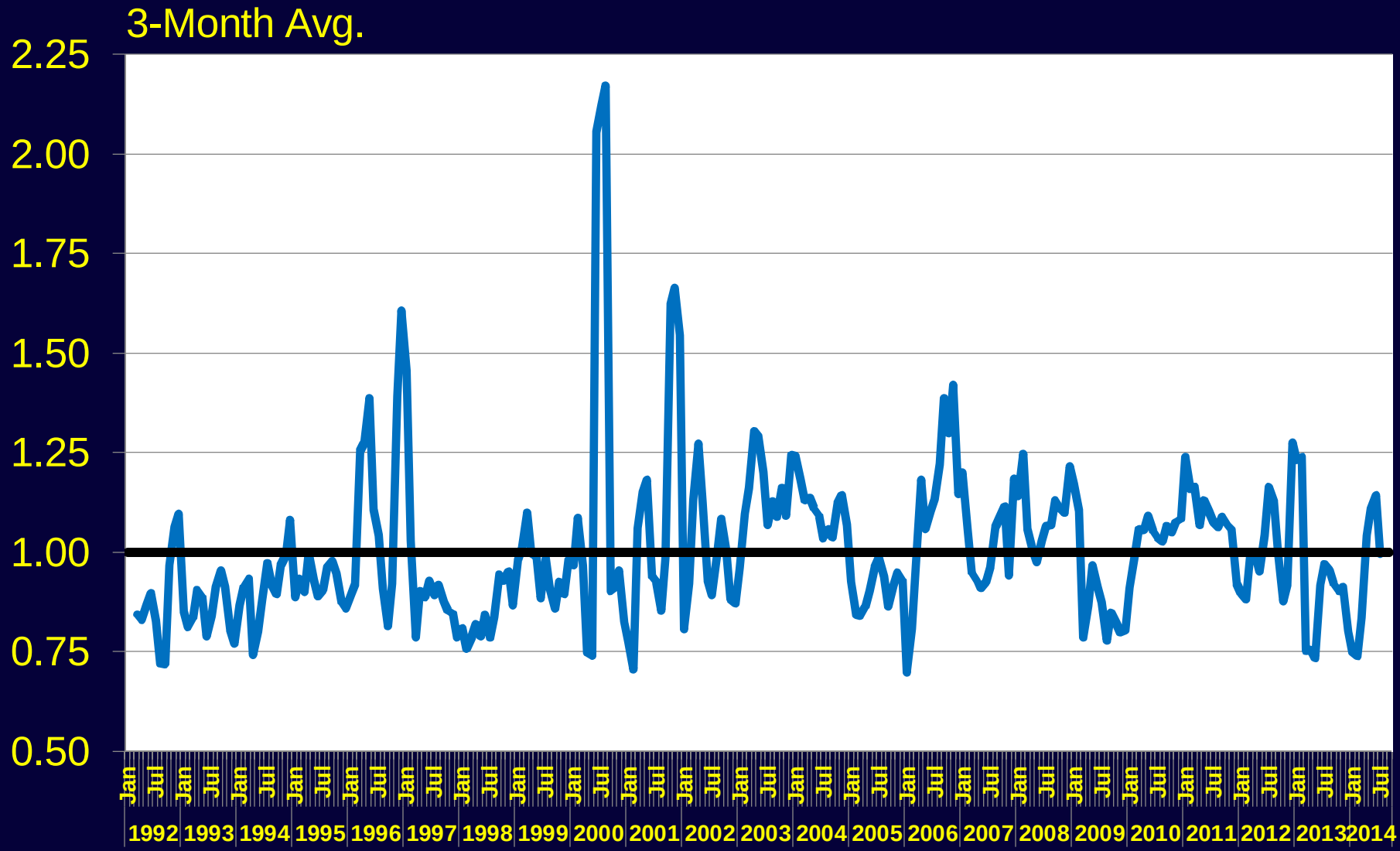
U.S. Defense Capital Goods Orders & Shipments



www.census.gov/indicator/www/m3/

Chart 10

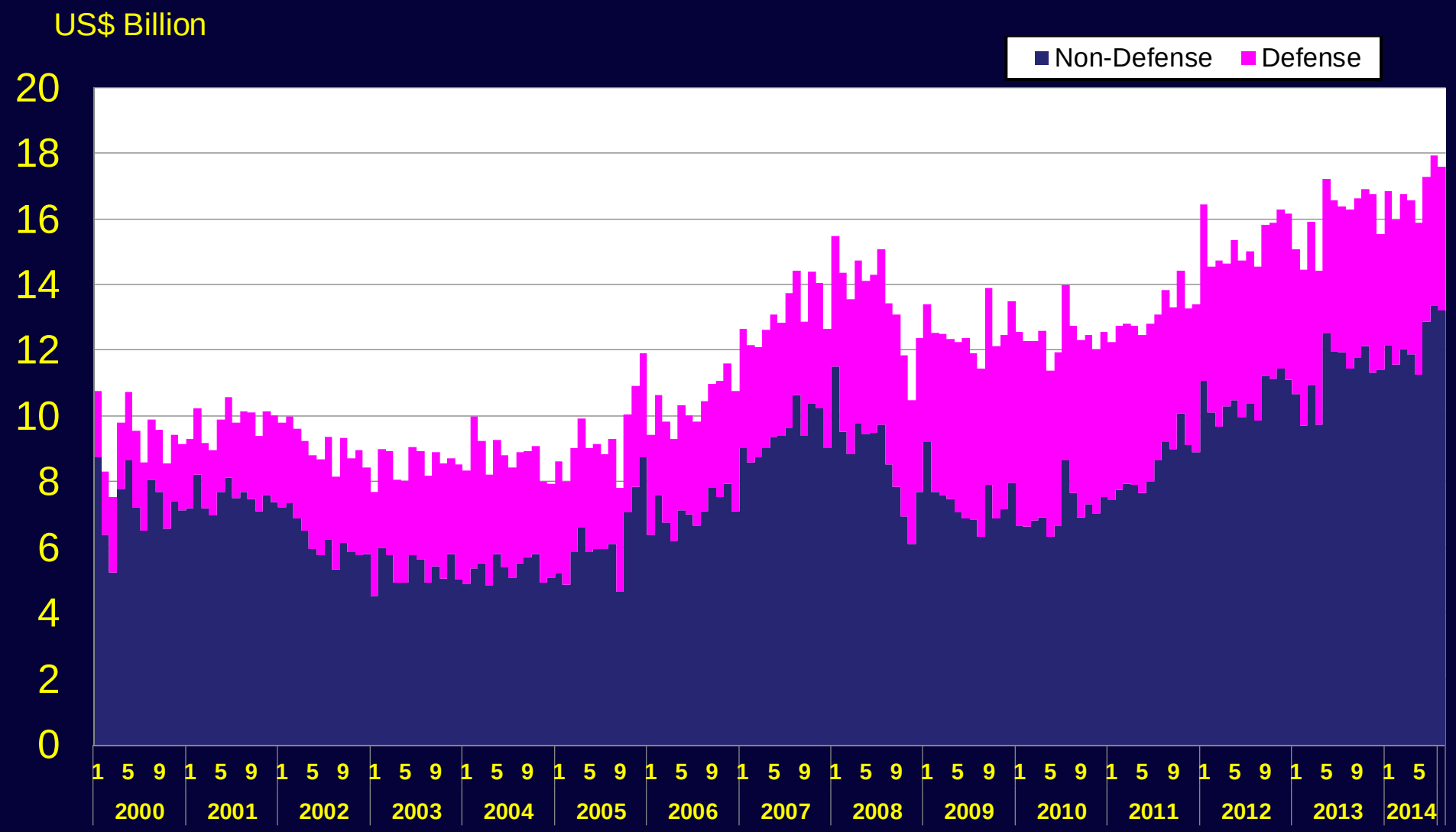
U.S. Defense Capital Goods Book/Bill Ratio



www.census.gov/indicator/www/m3/

Chart 11

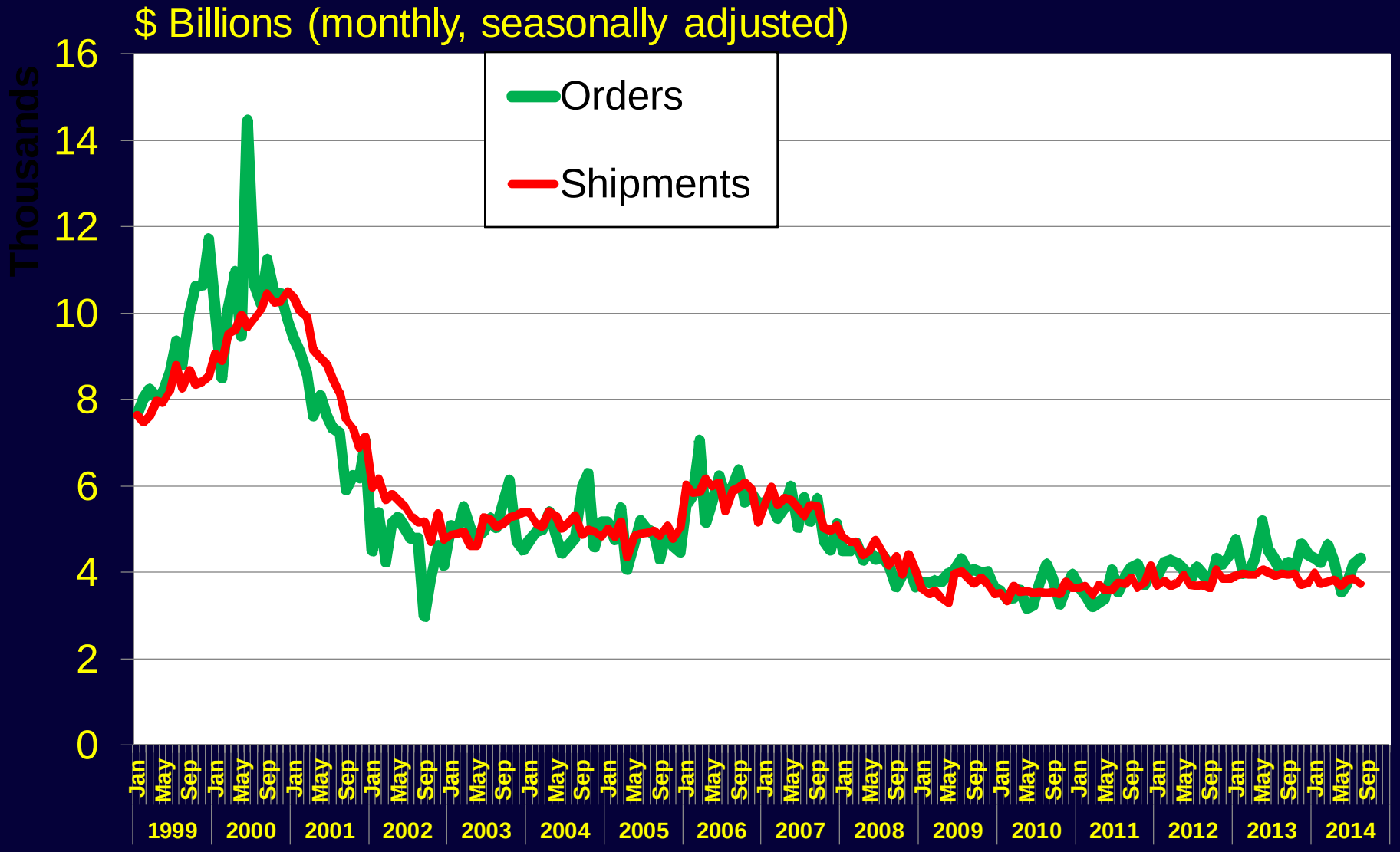
U.S. Aircraft & Parts Shipments



www.census.gov/indicator/www/m3

Chart 12

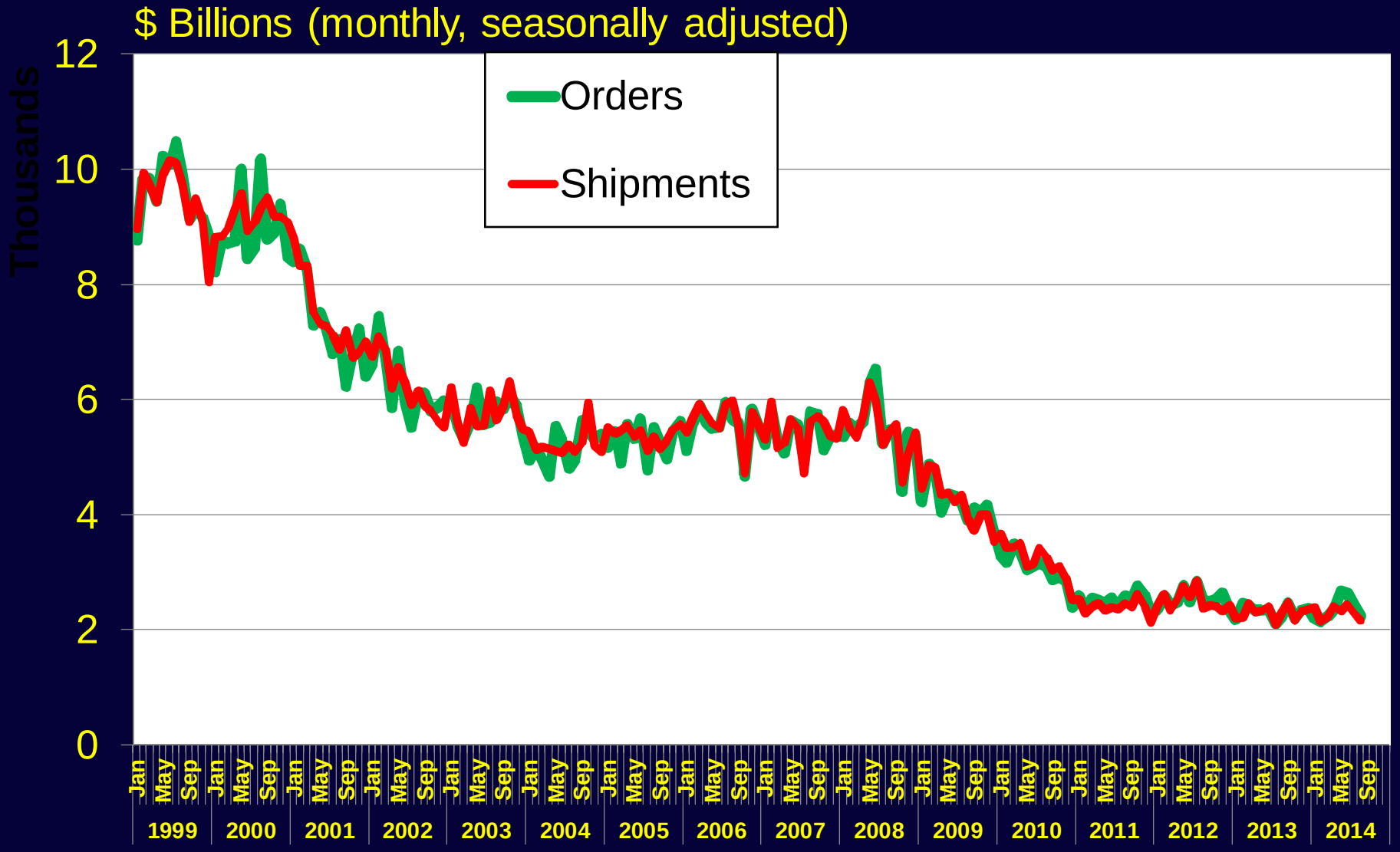
U.S. Communication Equipment Orders & Shipments



www.census.gov/indicator/www/m3/

Chart 13

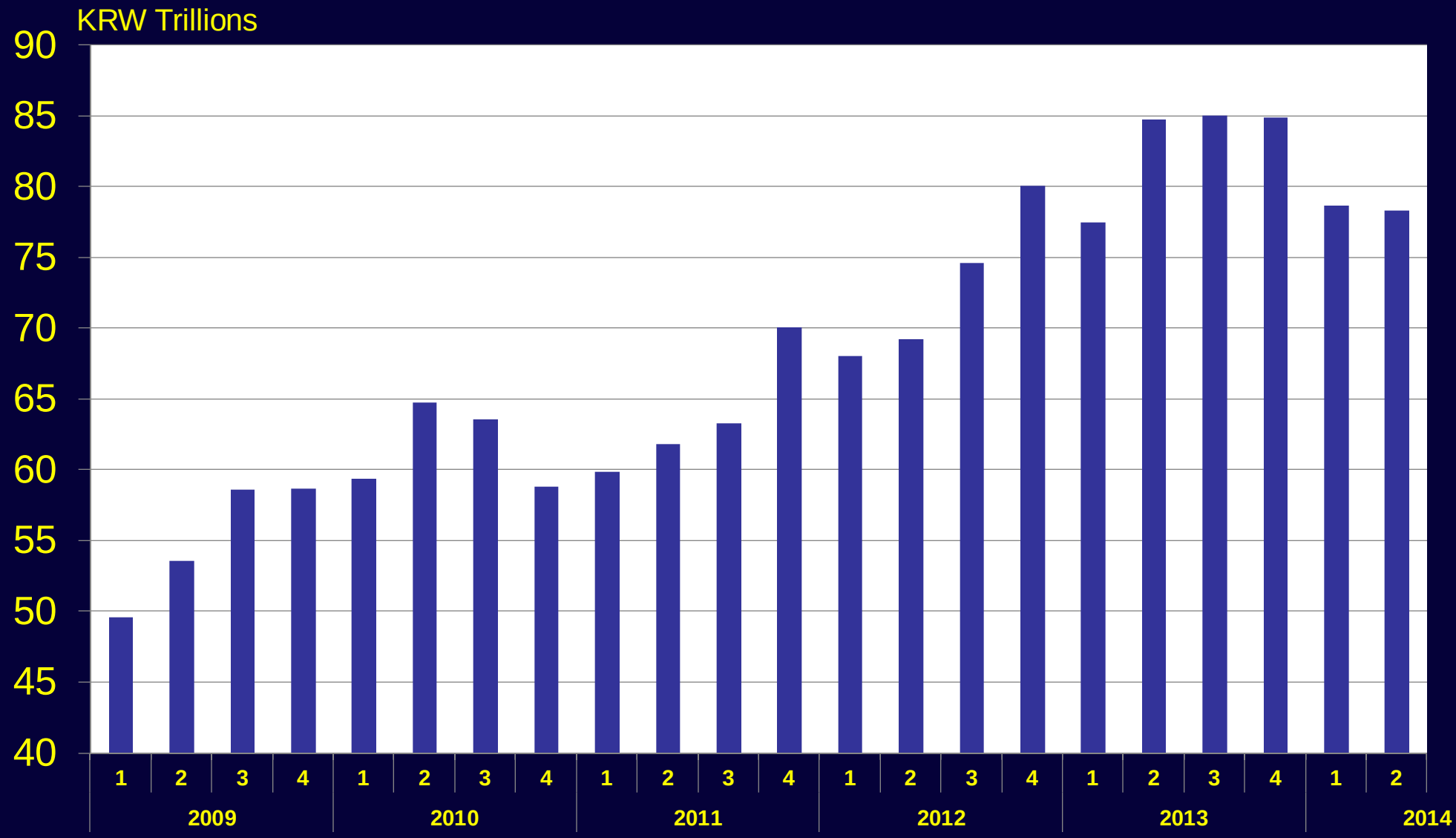
U.S. Computers & Related Products Orders & Shipments



www.census.gov/indicator/www/m3/

Chart 14

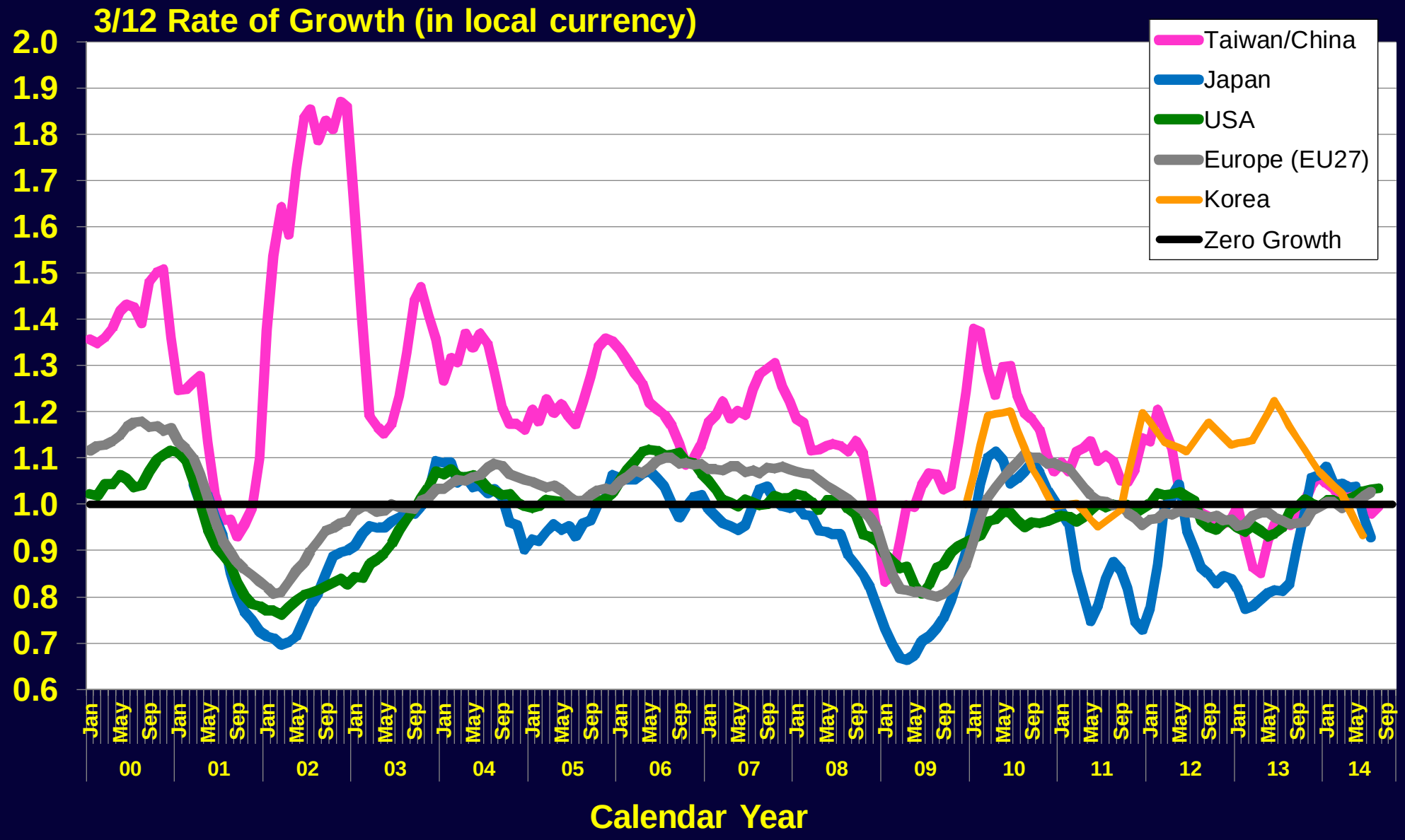
S Korea Electronic Equipment Producers
Composite of 7 Manufacturers



Samsung Electronics, LG Electronics, Daewoo Electronic Components, Samsung SDI, Dongbu Hitek, SK Hynix, KEC Corp

Chart 15

Regional Electronic Equipment Shipment Growth

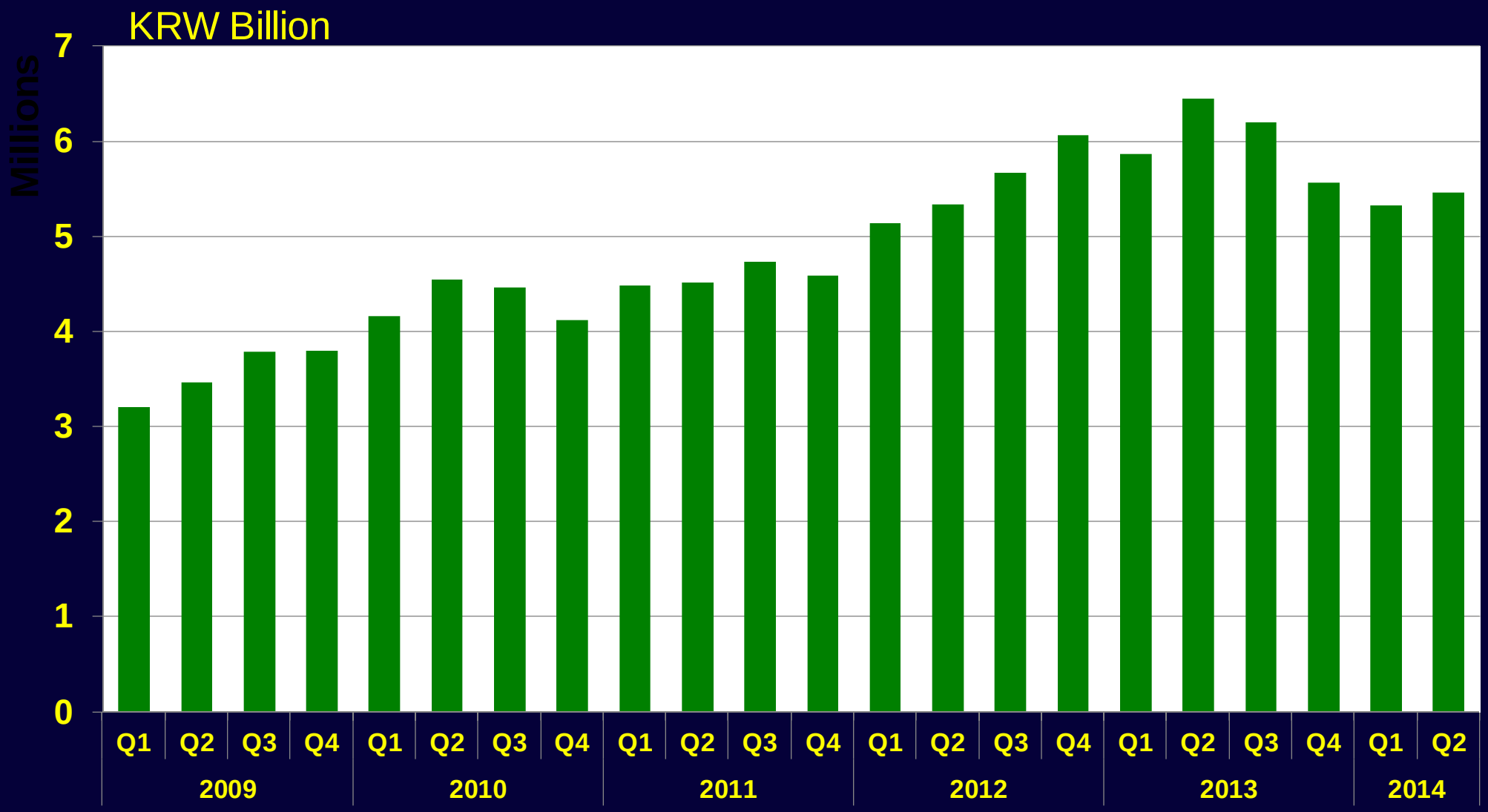


Sources: IPC, JPCA, Taiwan/China composite; Eurostat "wiring devices" for Europe

Chart 16

S. Korean PCB Revenues

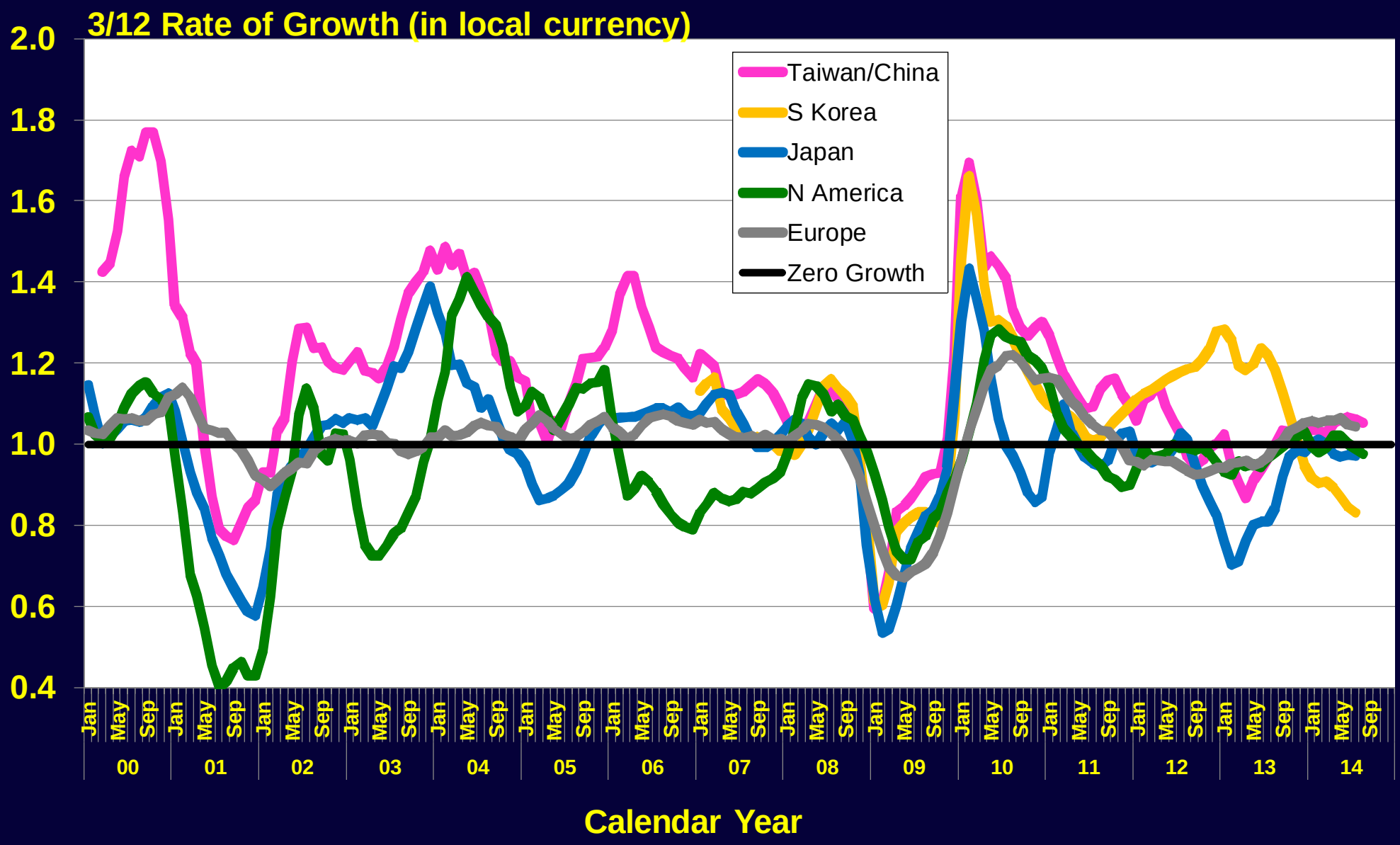
Composite of 11 Public Manufacturers
Quarterly Revenue



Samsung EM, Young Poong, Daeduck, Simm Tech, Isu Petasys, Flexcom, DAP, BH, Samsung Techwin, Korea Circuit

Chart 17

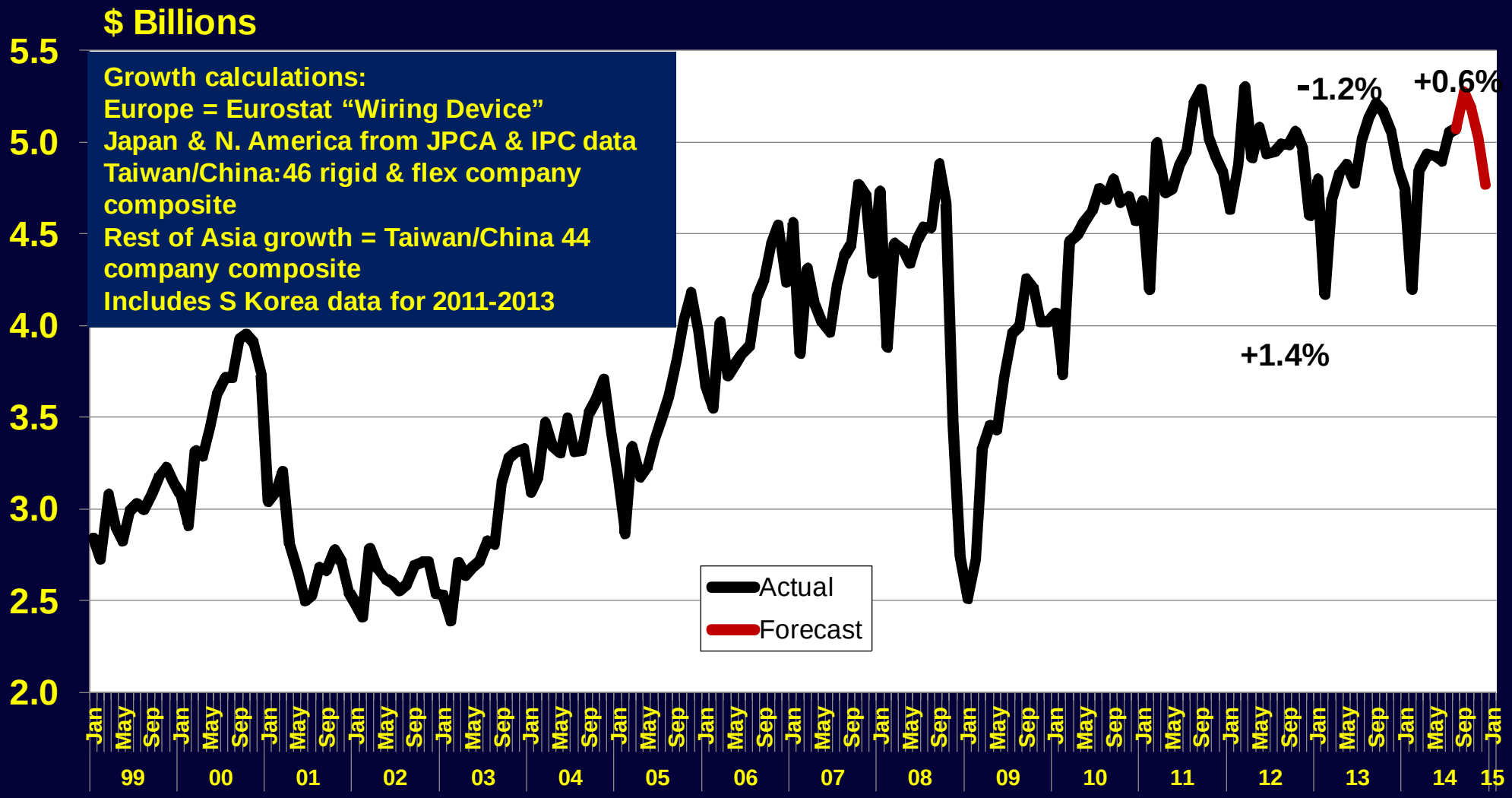
Regional PCB Shipment Growth



Sources: IPC, JPCA, Taiwan/China composite; Eurostat "wiring devices" for Europe

Chart 18

World PCB Shipments (with forecast)
Converted @ Fluctuating Exchange Rates

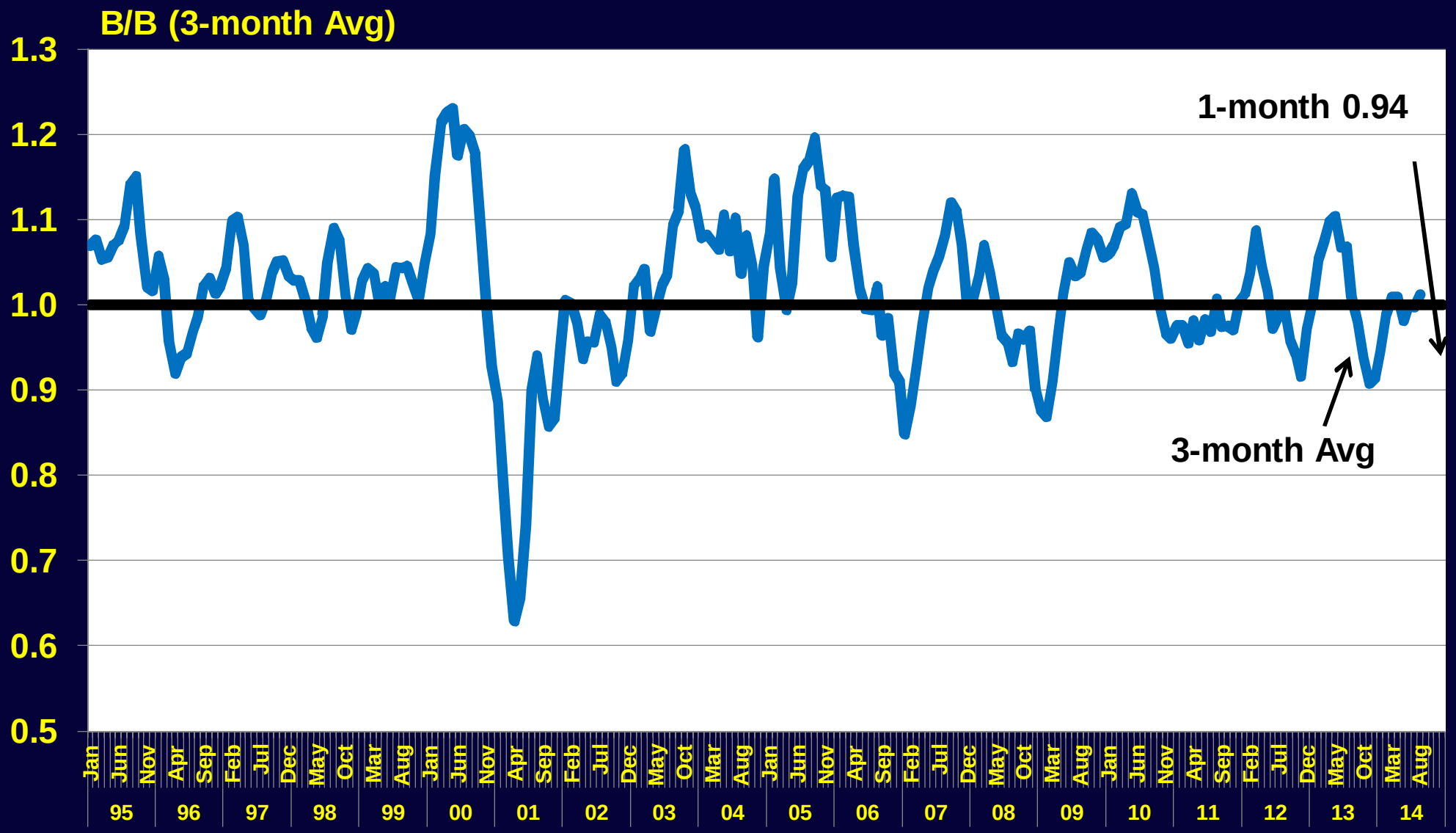


Source: Custer Consulting Group - 2010 base year expanded by monthly growth of N. American, European, Japanese & Taiwan/China monthly PCB shipments

Chart 19

Rigid & Flexible PCB Book/Bill

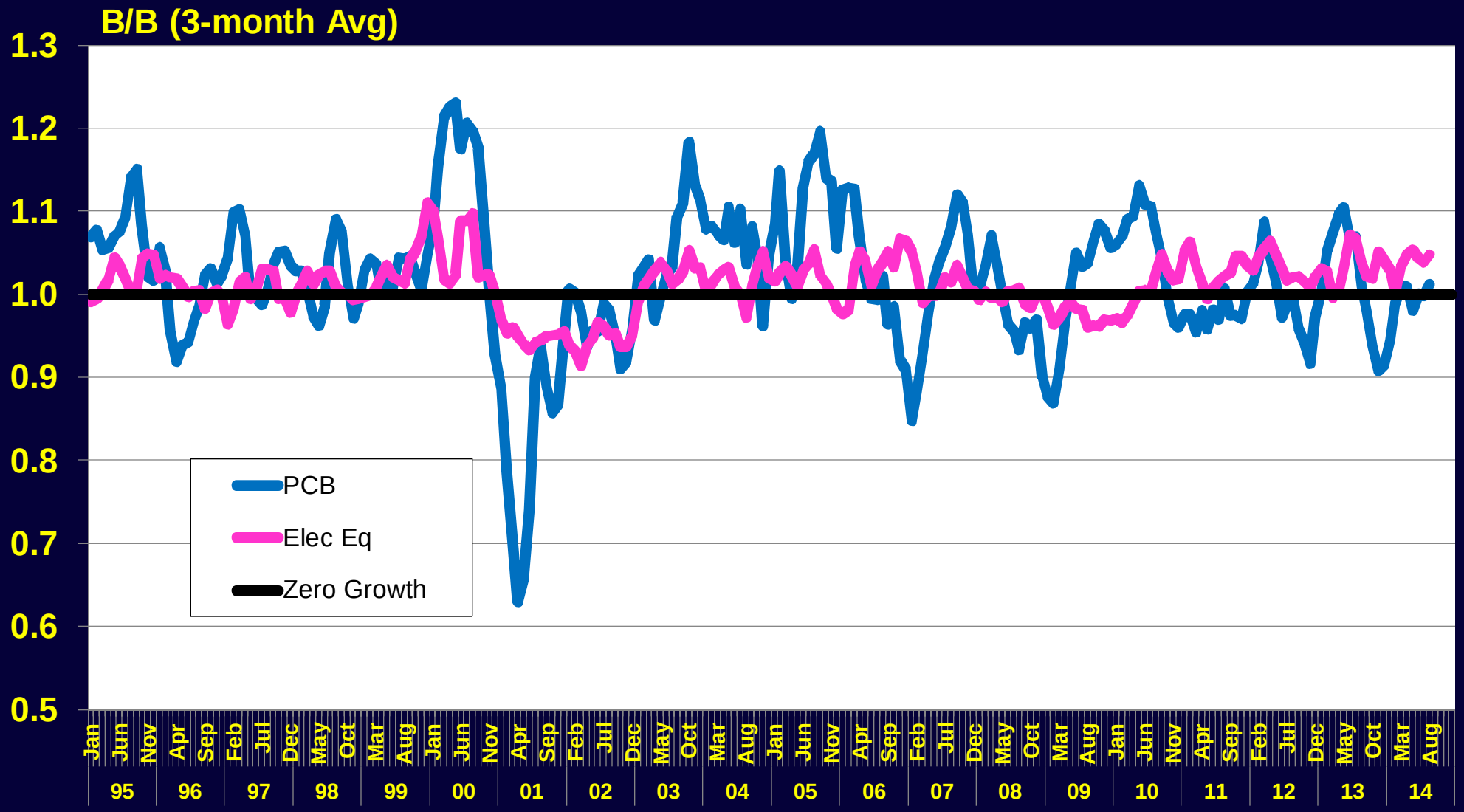
N. America



IPC

Chart 20

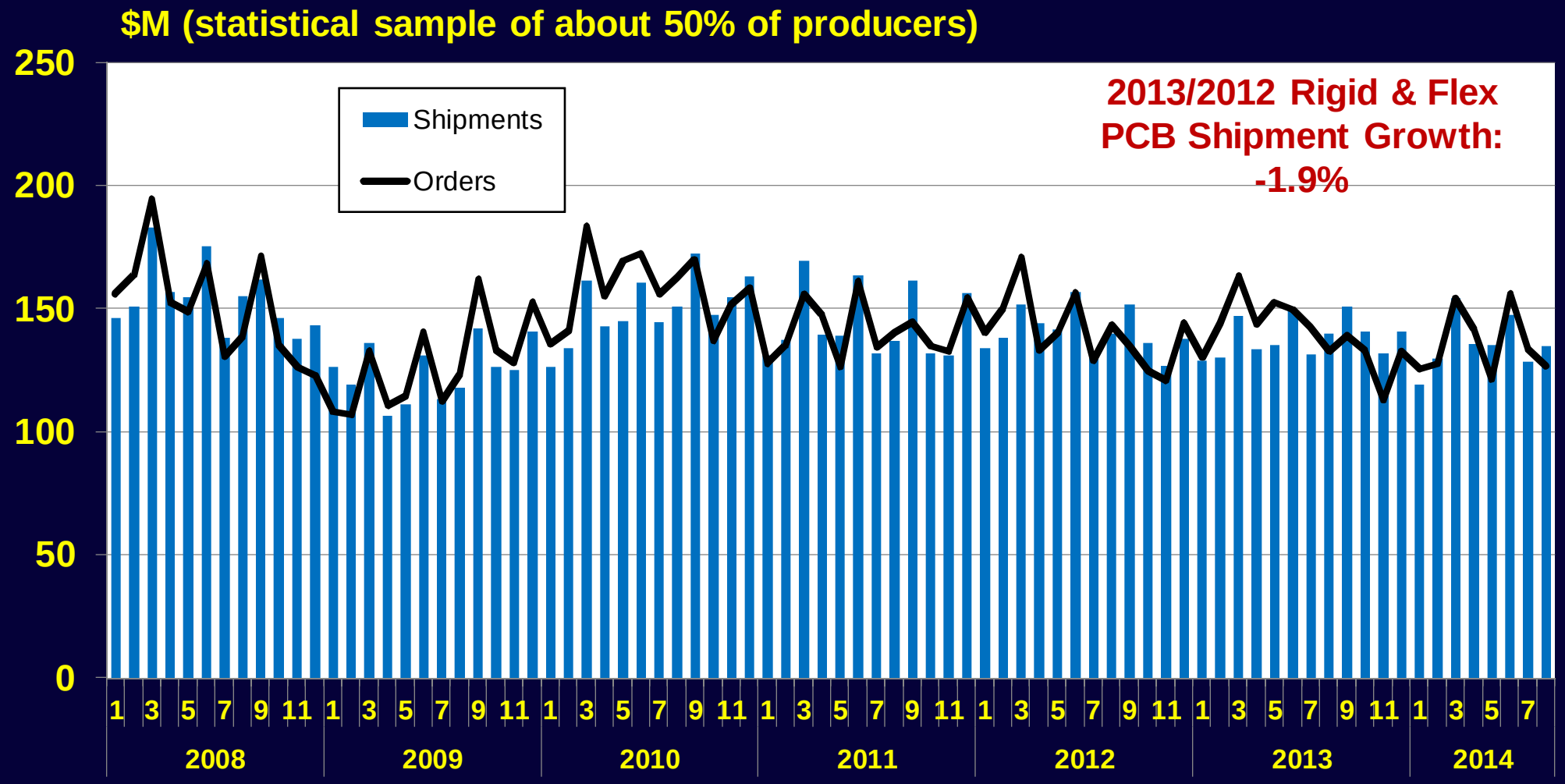
N American Rigid & Flex PCB & U.S. Electronic Equipment Book/Bill Ratios



IPC, DOC

Chart 21

N American Rigid & Flexible PCB Shipments & Orders



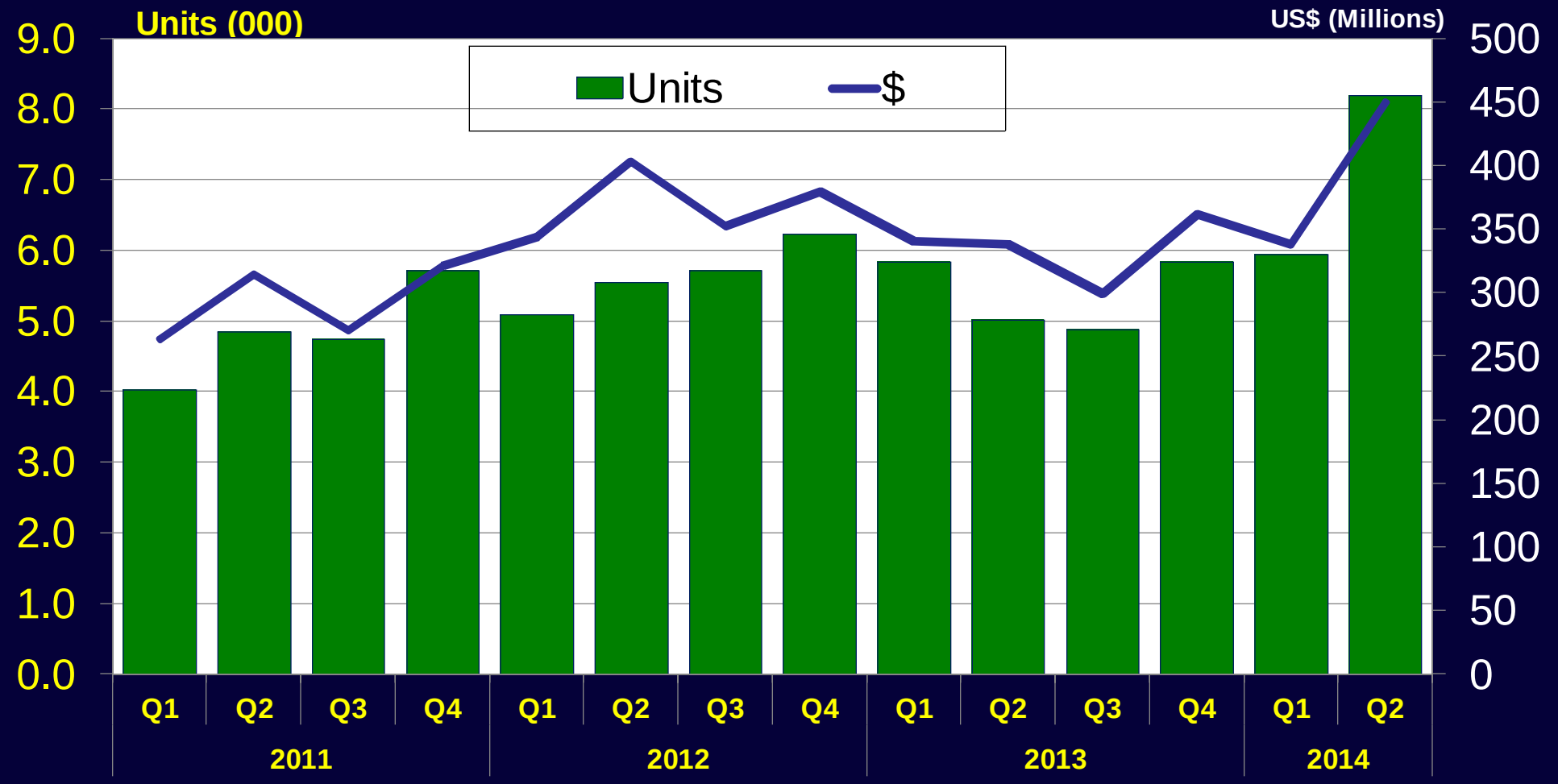
Note: IPC survey captures "market" not domestic production. About 15% of the above represents imported boards resold by N American PCB producers in survey.

IPC

Chart 22

N American Robot Orders

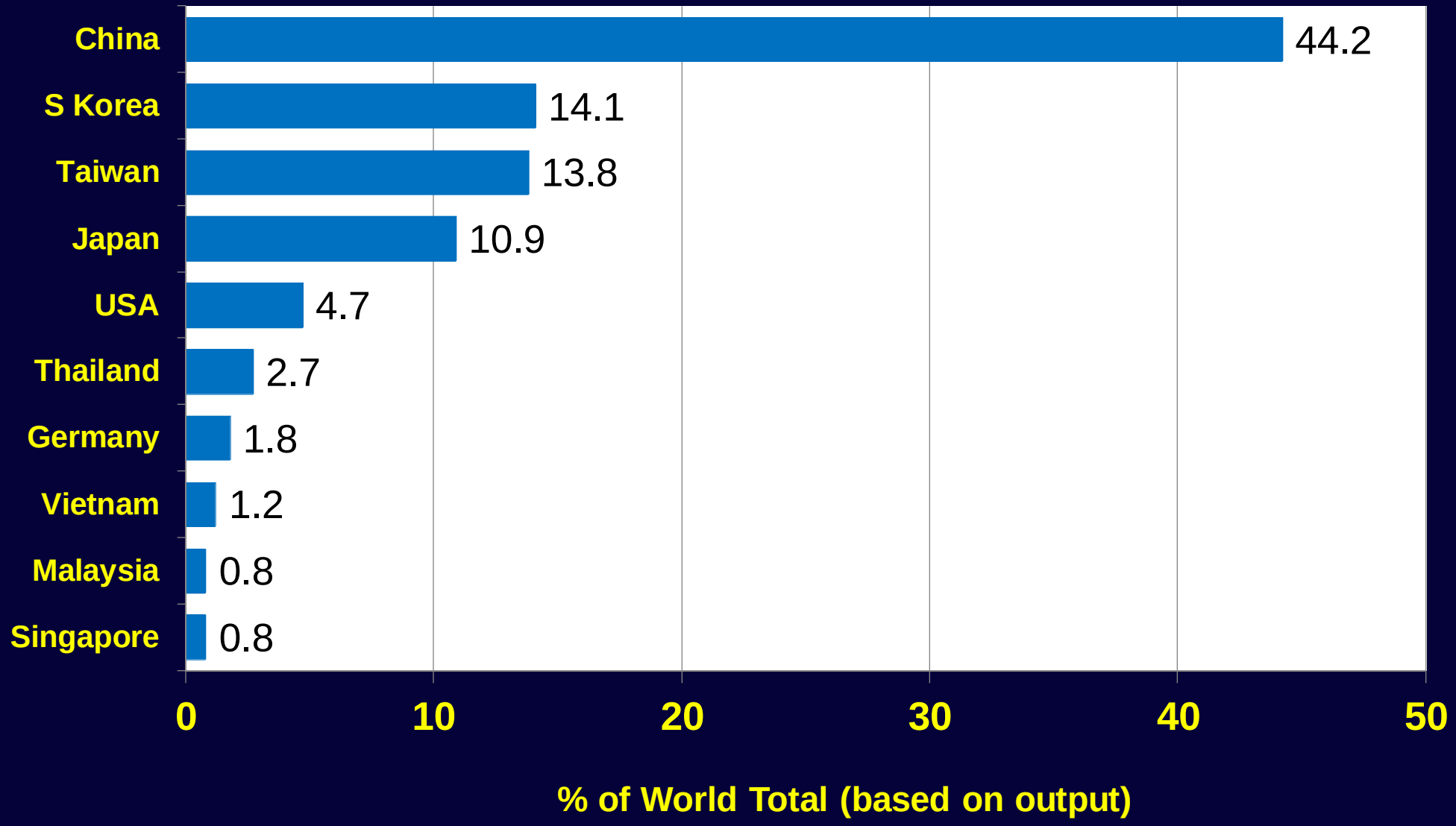
Shipments by N American Companies to N America



www.robotics.org

Chart 23

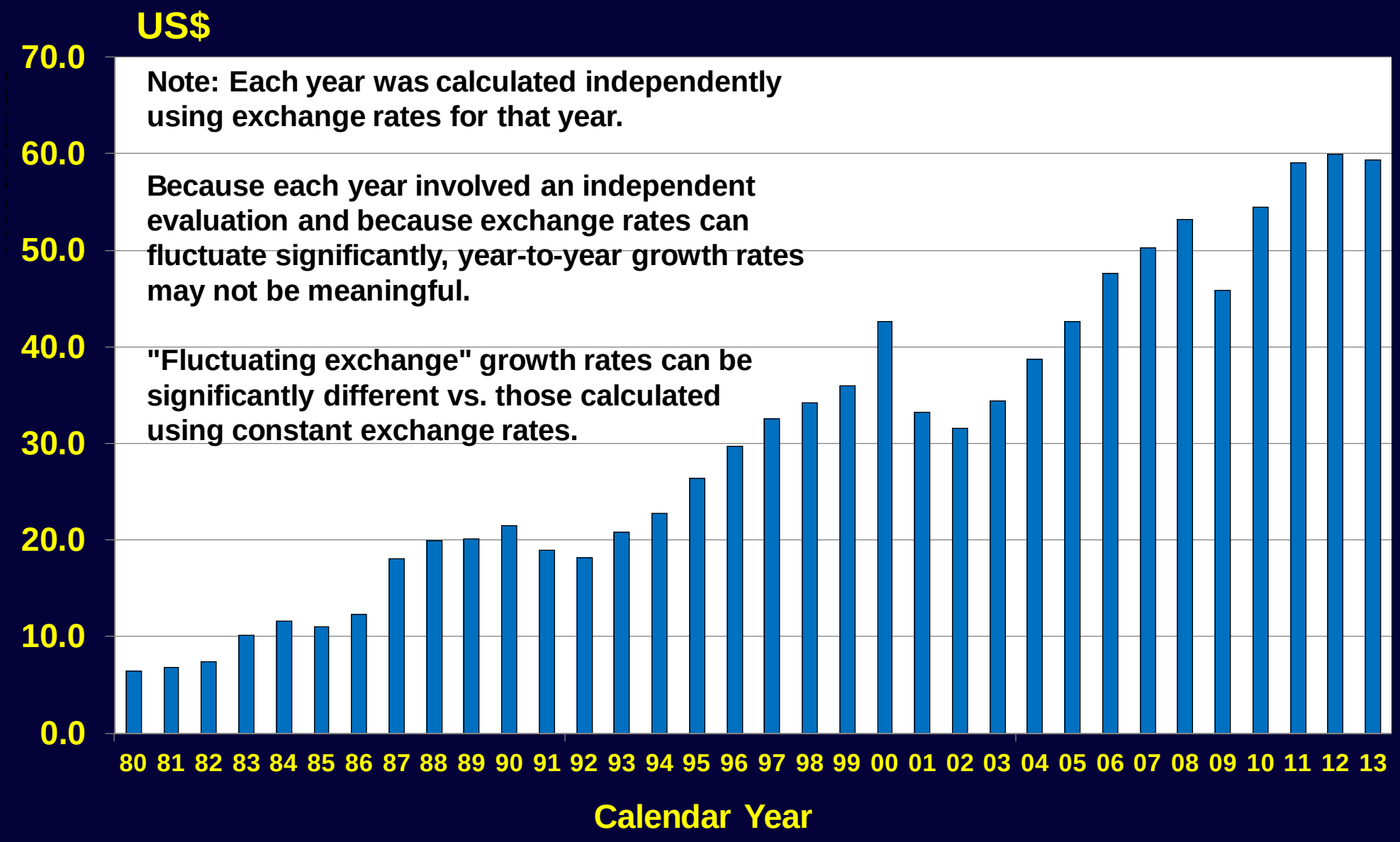
Top 10 PCB Producing Countries in 2013



IPC 8/14

Chart 24

World PCB Production 1980-2013



IPC: World PCB Production Report 2013