Chart 1

Monthly Semiconductor Shipments
$ Billions (3-month average)

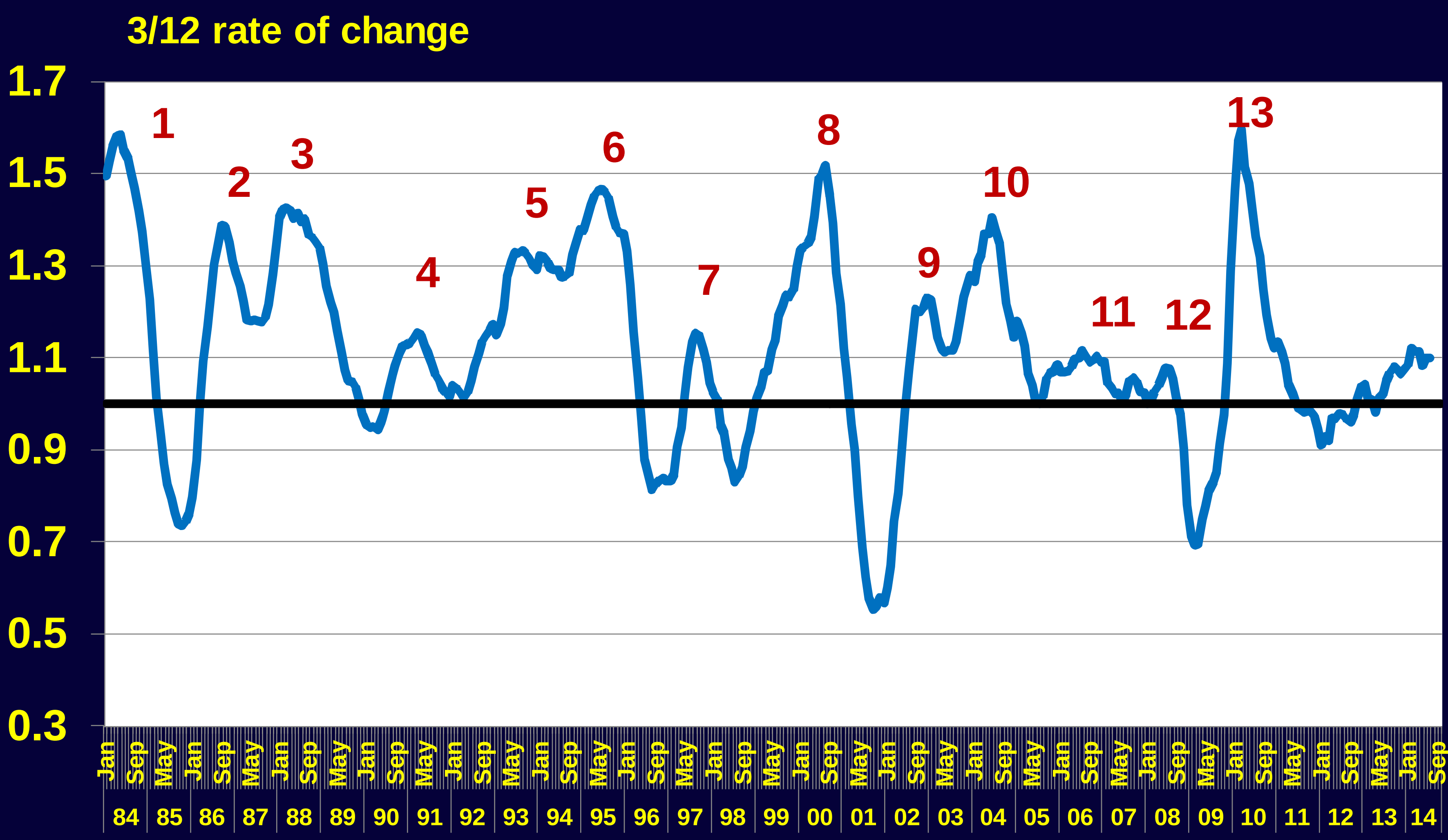
	7/13	7/14	% CH
Americas	5.02	5.43	+ 8.1%
Europe	2.85	3.27	+14.9%
Japan	2.93	2.99	+ 2.0%
Asia Pacific	14.73	16.38	+11.2%
Total	25.53	28.07	+ 9.9%

SIA www.sia-online.org/

Chart 2

Global Semiconductor Shipments

3-Month Growth Rates on $ Basis

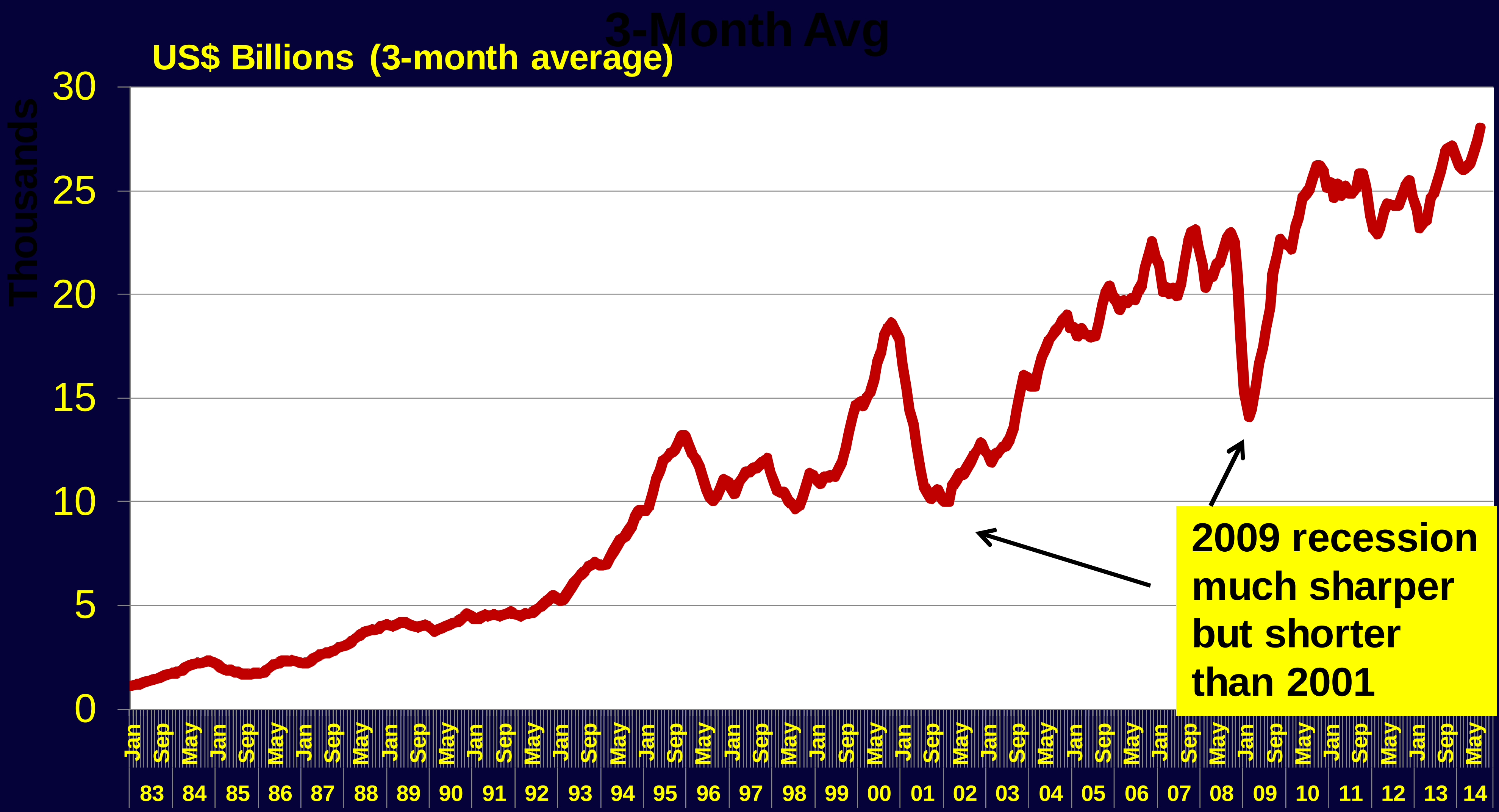


Total $ Shipments from All Countries to an Area
SIA website: www.sia-online.org/

Chart 3

World Semiconductor Shipments

Monthly US$

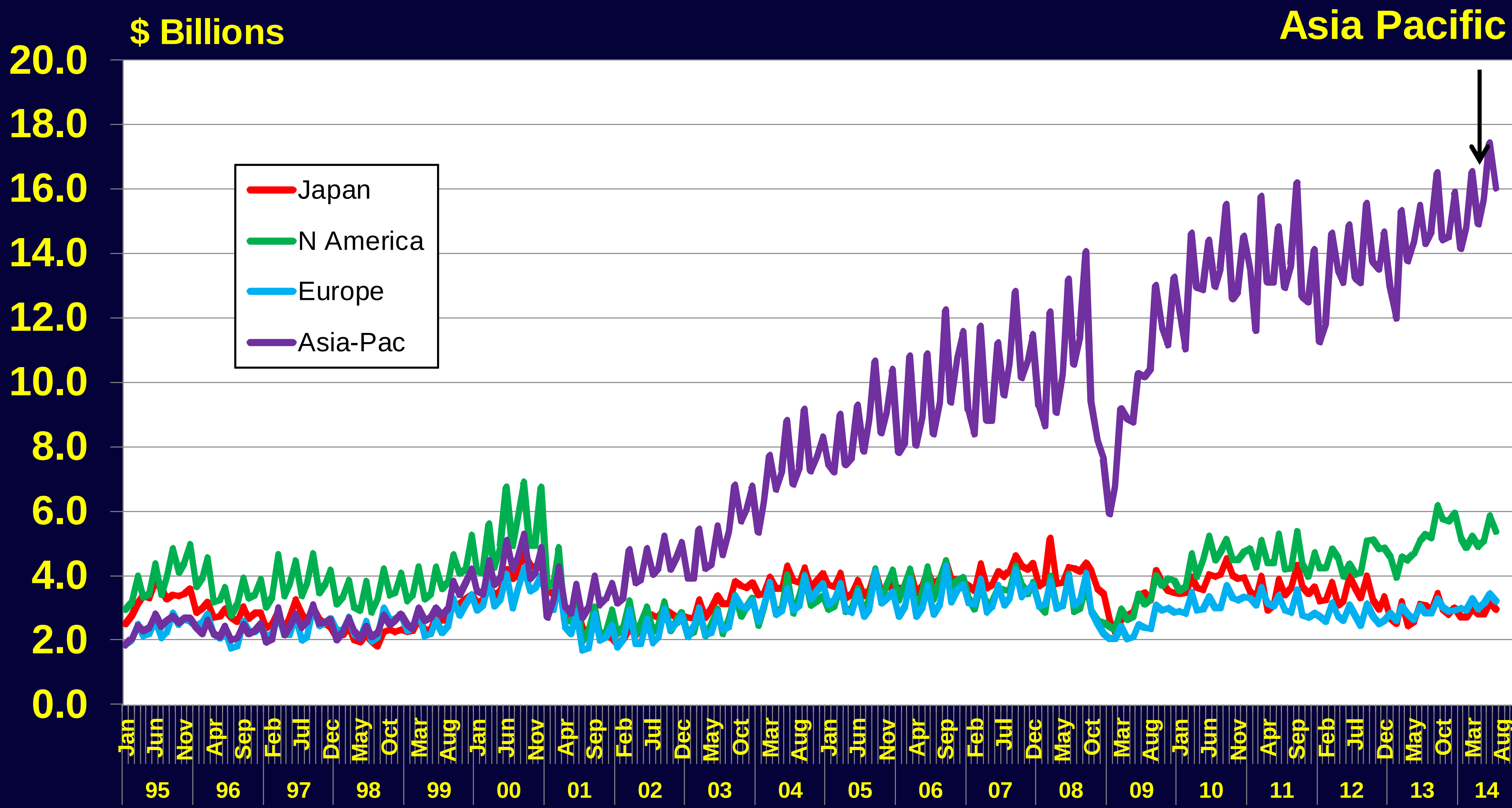


SIA

Chart 4

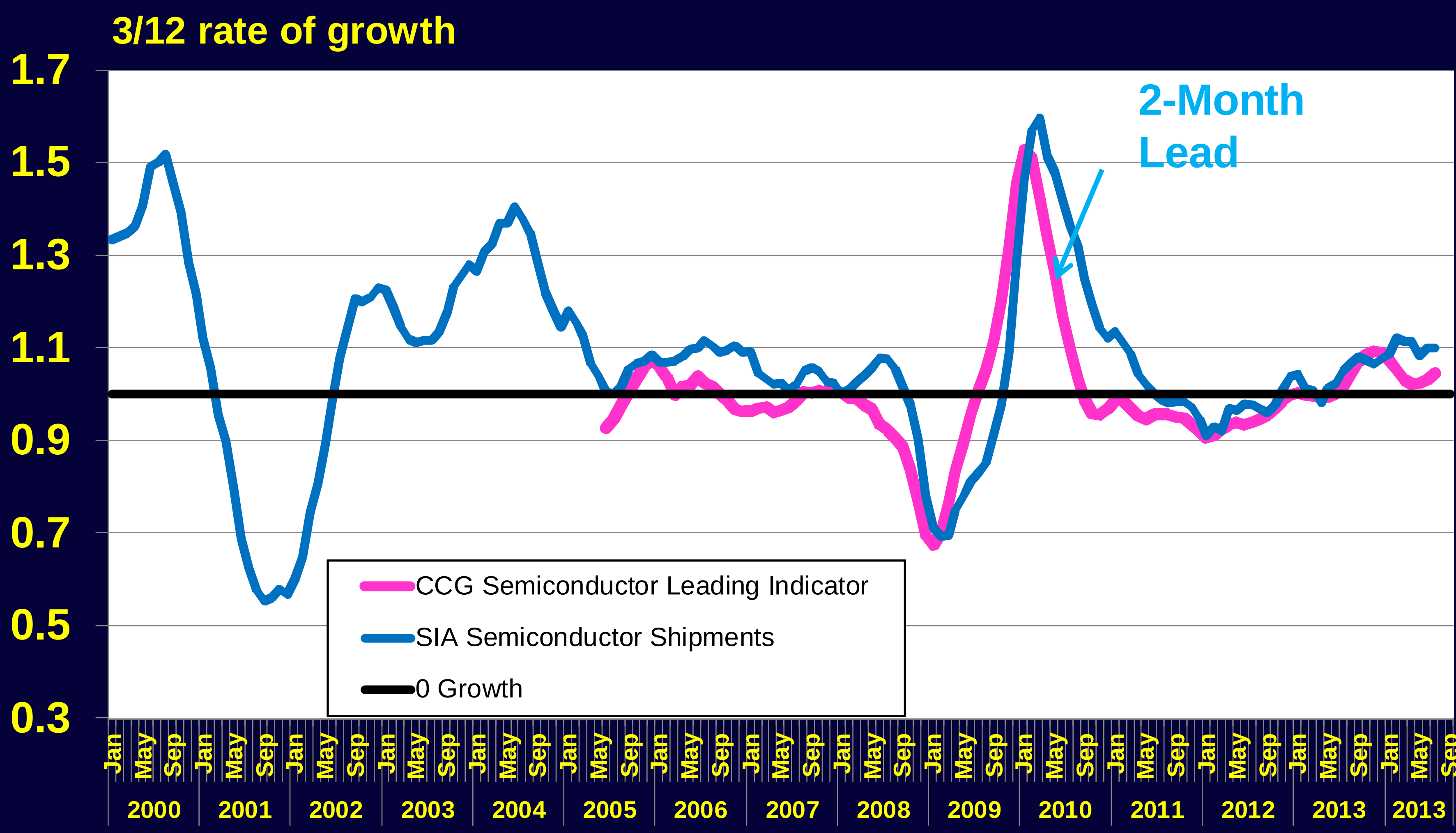
Total Semiconductor Shipments to an Area

Monthly Shipments - Reporting Firms



SIA website: www.sia-online.org/

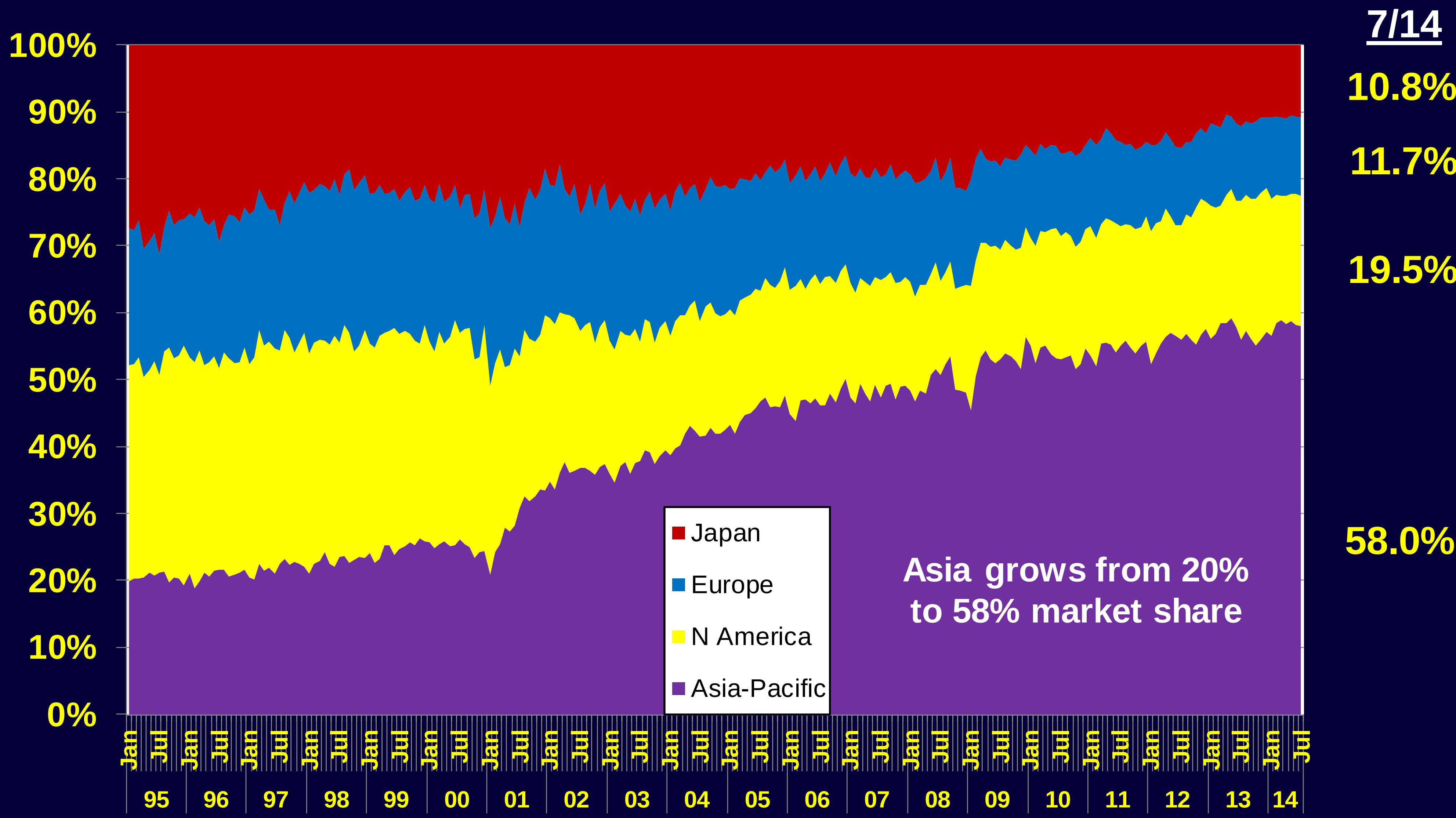
Chart 5 **CCG Semiconductor Leading Indicator vs. Global Semiconductor Shipments**



http://www.census.gov/indicator/www/m3/

Chart 6 **Total Semiconductor Shipments to an Area**

Monthly Shipments - Reporting Firms

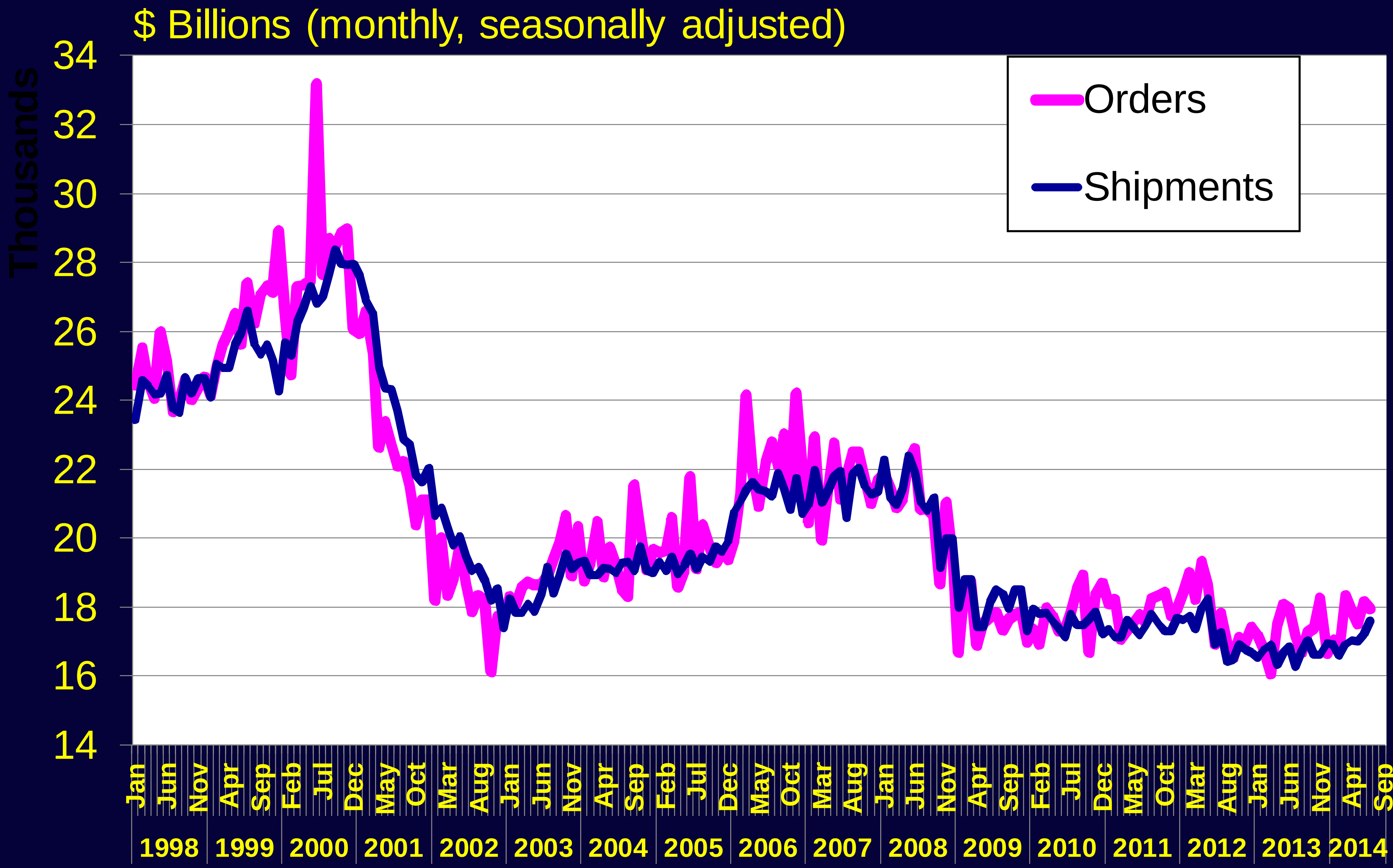


SIA website: www.sia-online.org/

Chart 7

U.S. Electronic Equipment Orders & Shipments

Computer, Communications, Measurement & Control and Military

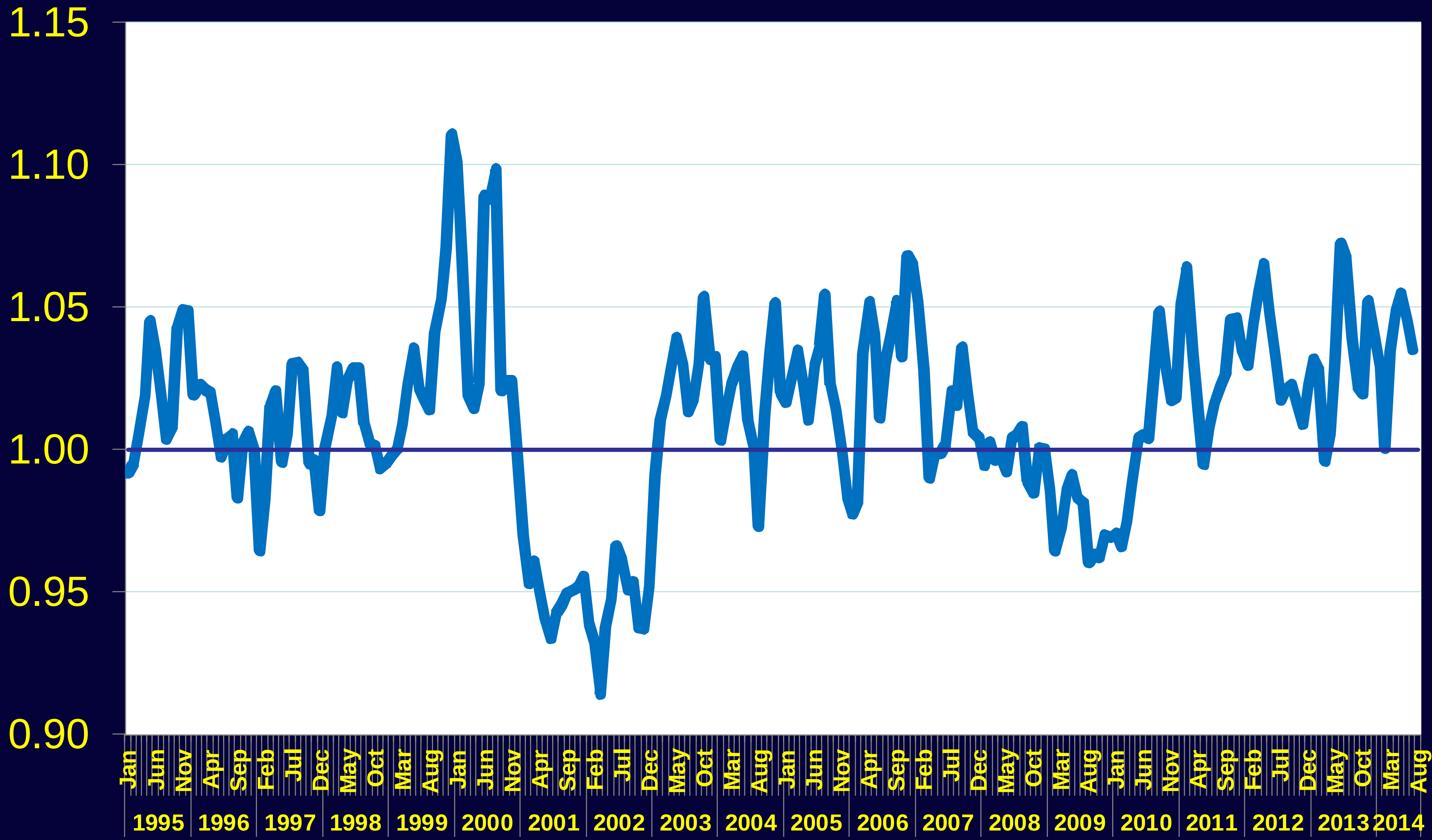


www.census.gov/indicator/www/m3/

Chart 8

U.S. Electronic Equipment Book/Bill Ratio

3-Month Average

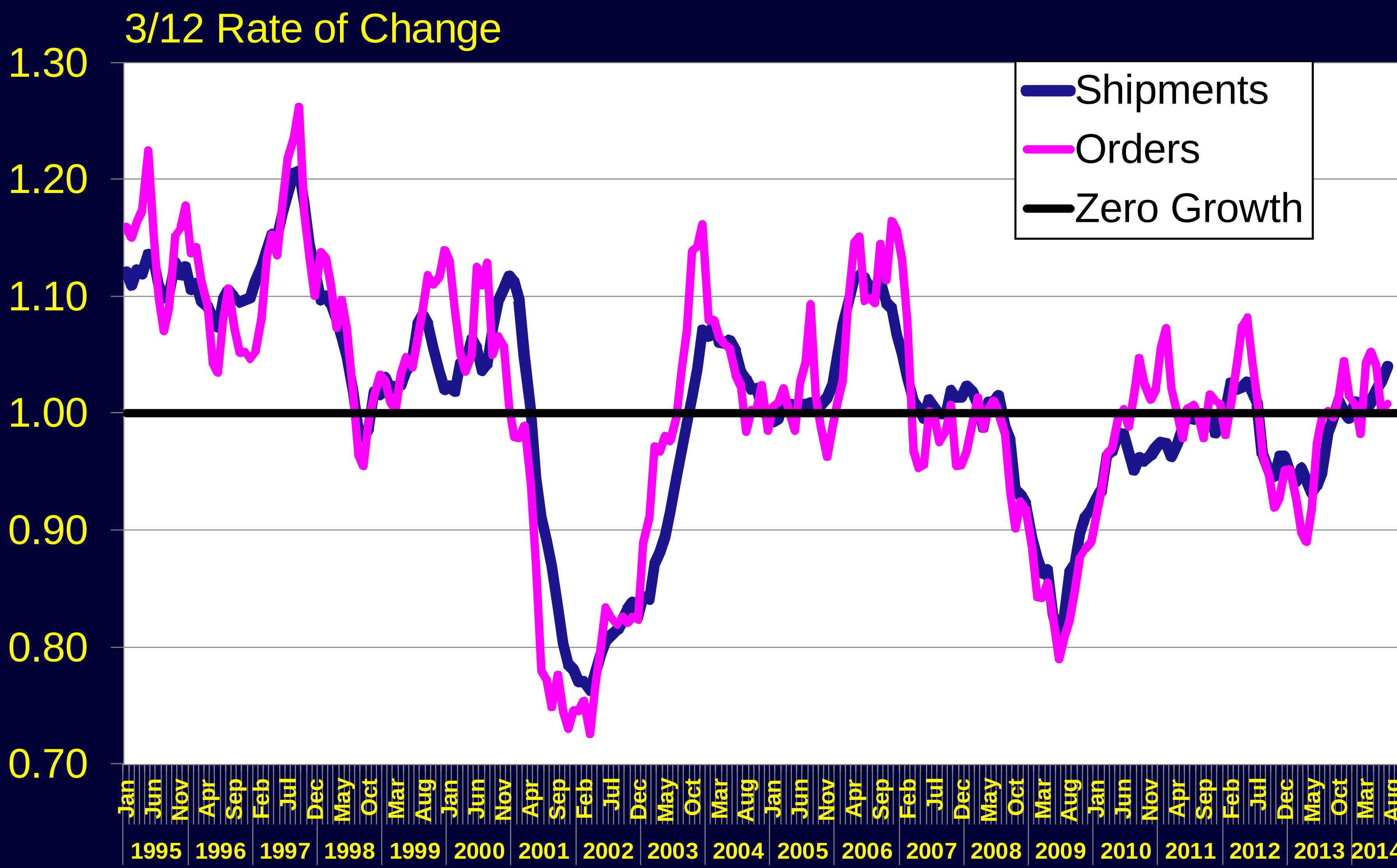


www.census.gov/indicator/www/m3/

Chart 9

U.S. Electronic Equipment Order & Shipment Growth

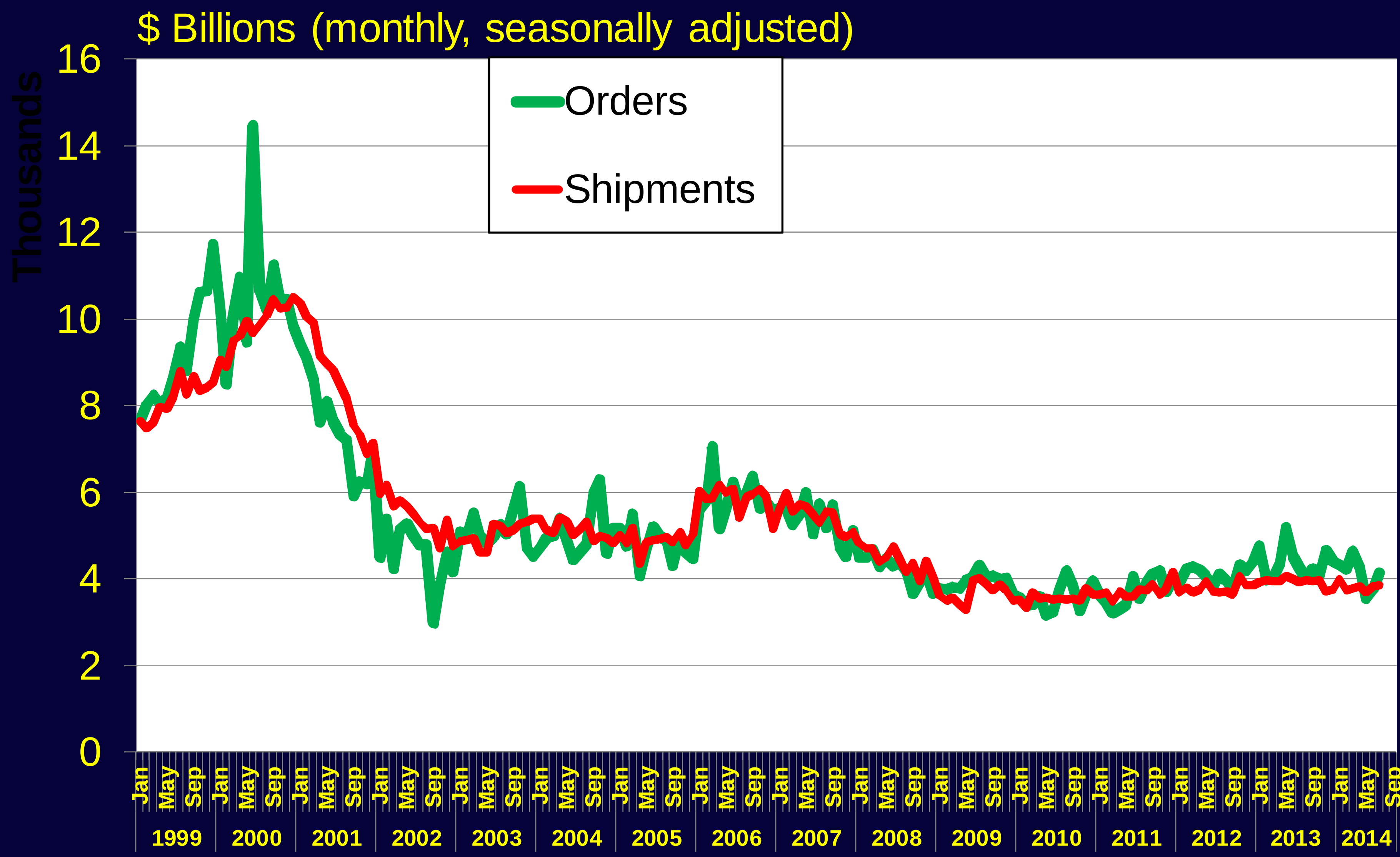
Computer, Communications, Measurement & Control and Military



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

Chart 10

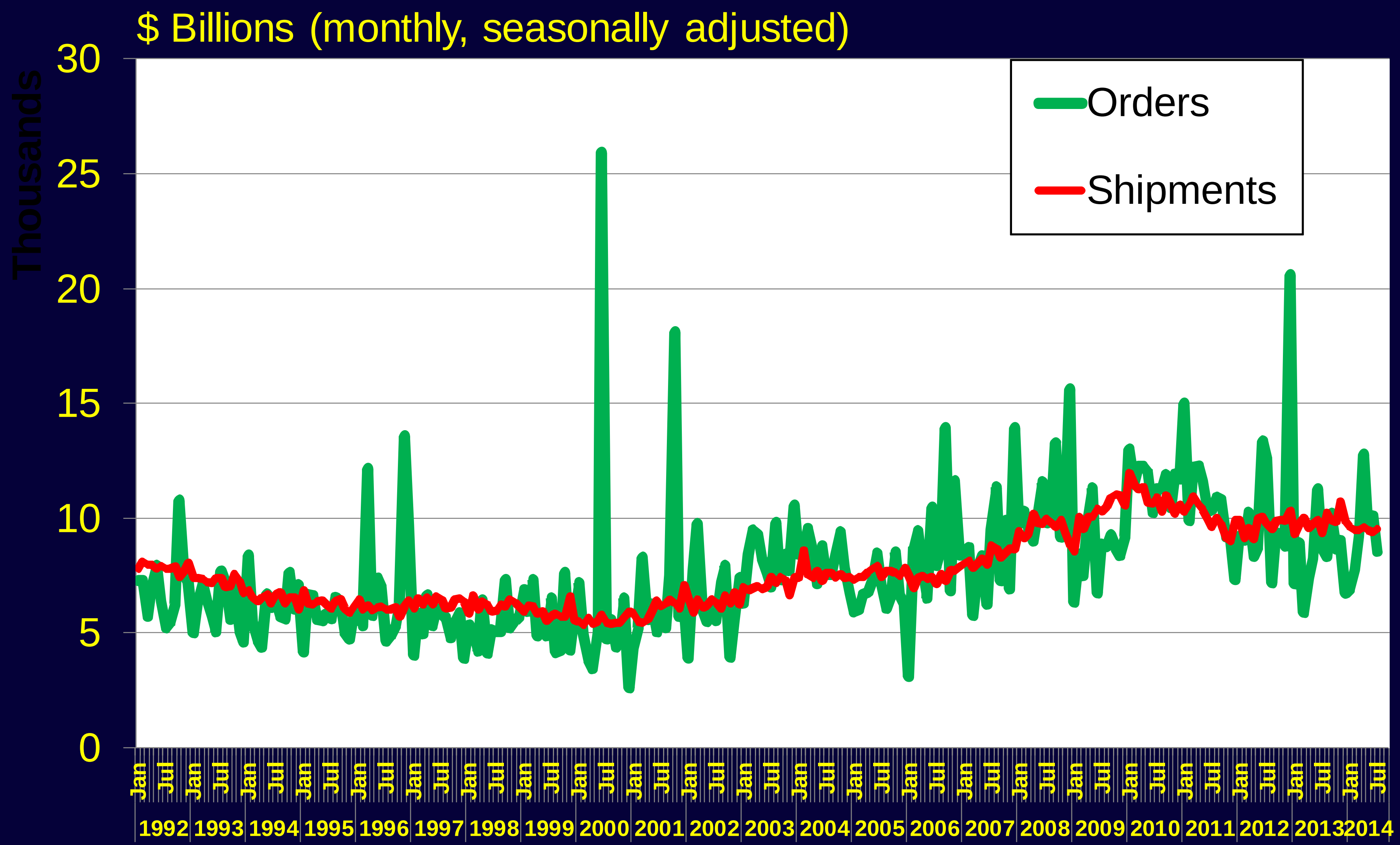
U.S. Communication Equipment Orders & Shipments



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

Chart 11

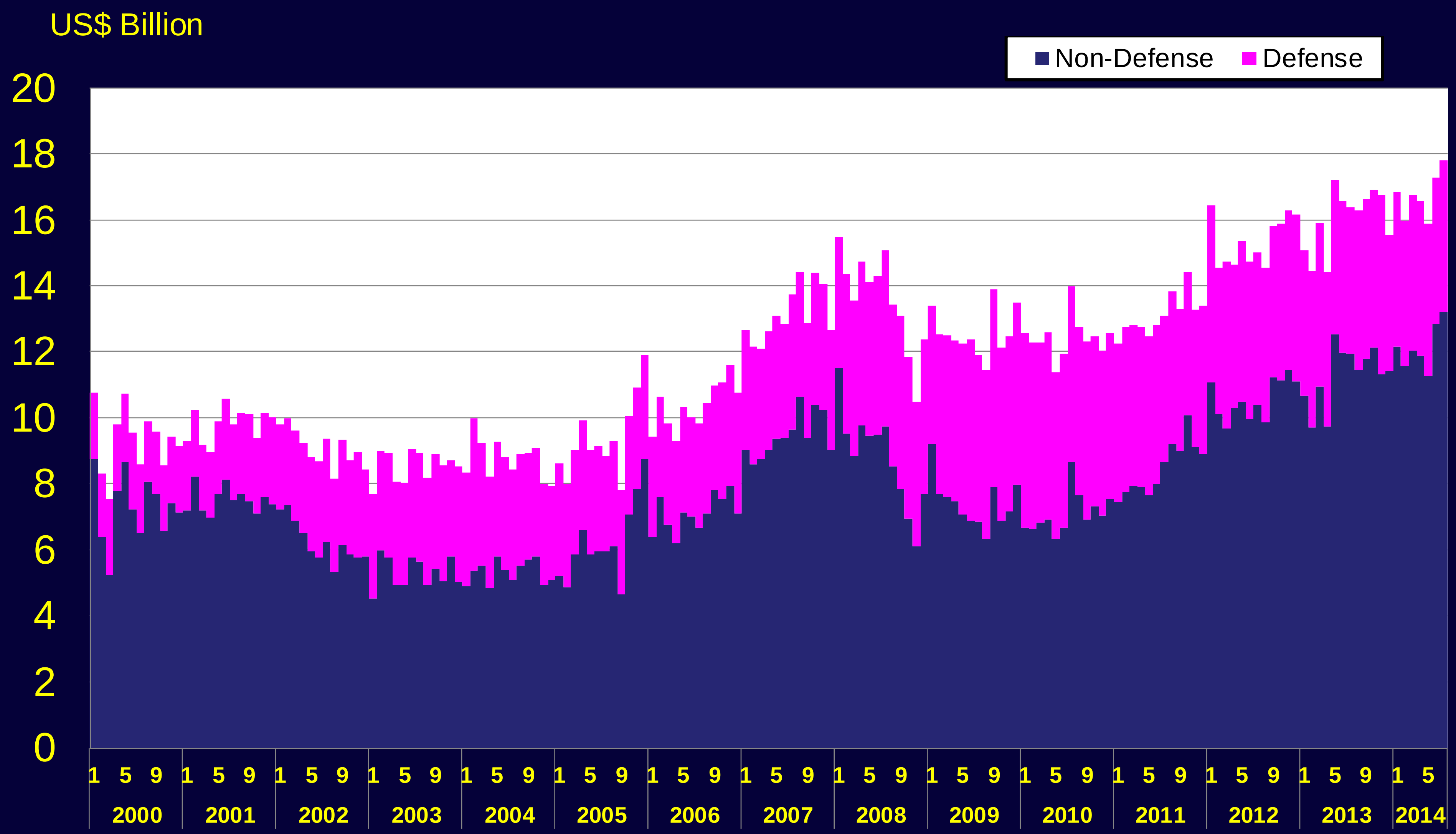
U.S. Defense Capital Goods Orders & Shipments



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

Chart 12

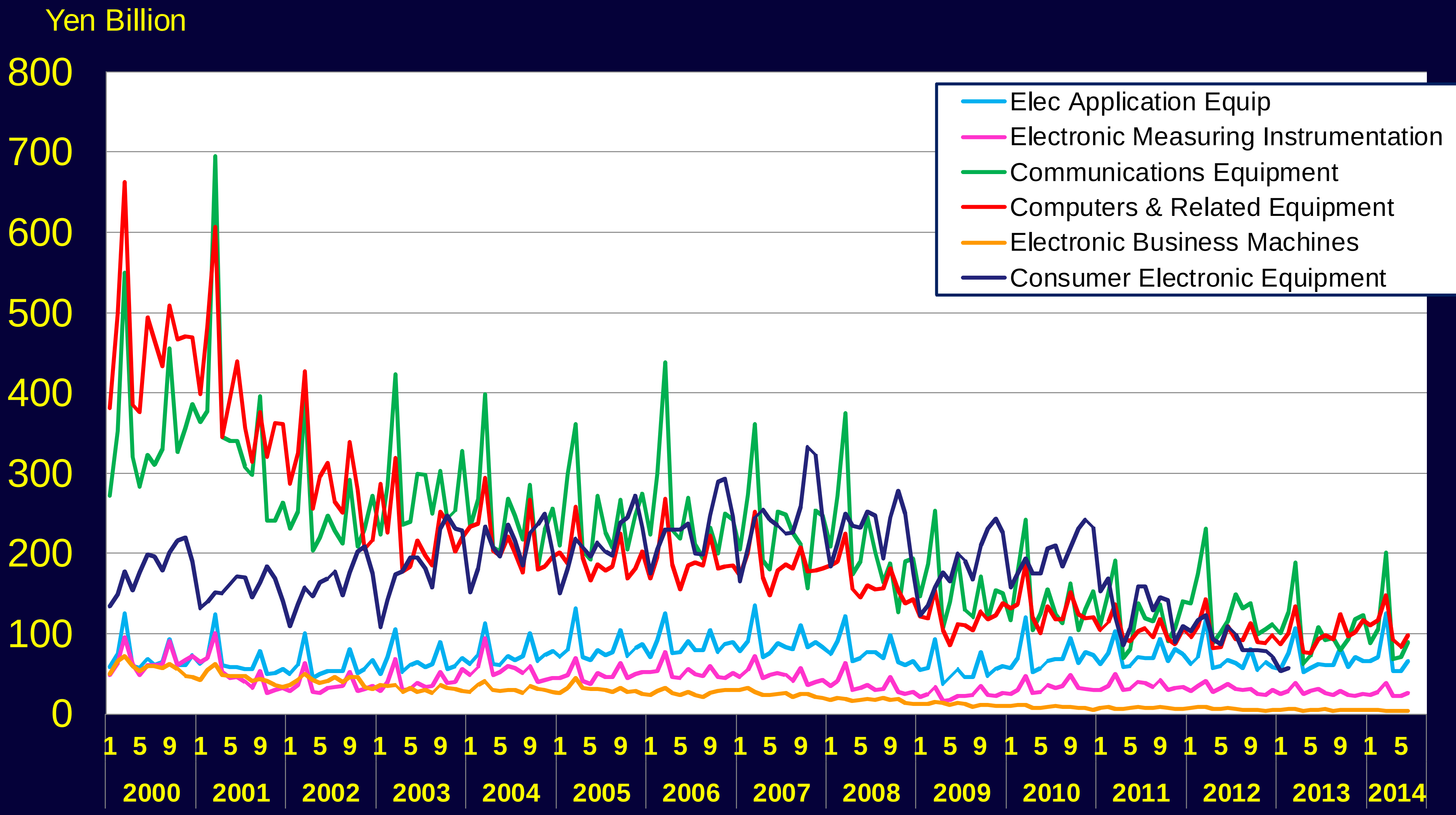
U.S. Aircraft & Parts Shipments



www.census.gov/indicator/www/m3

Chart 13

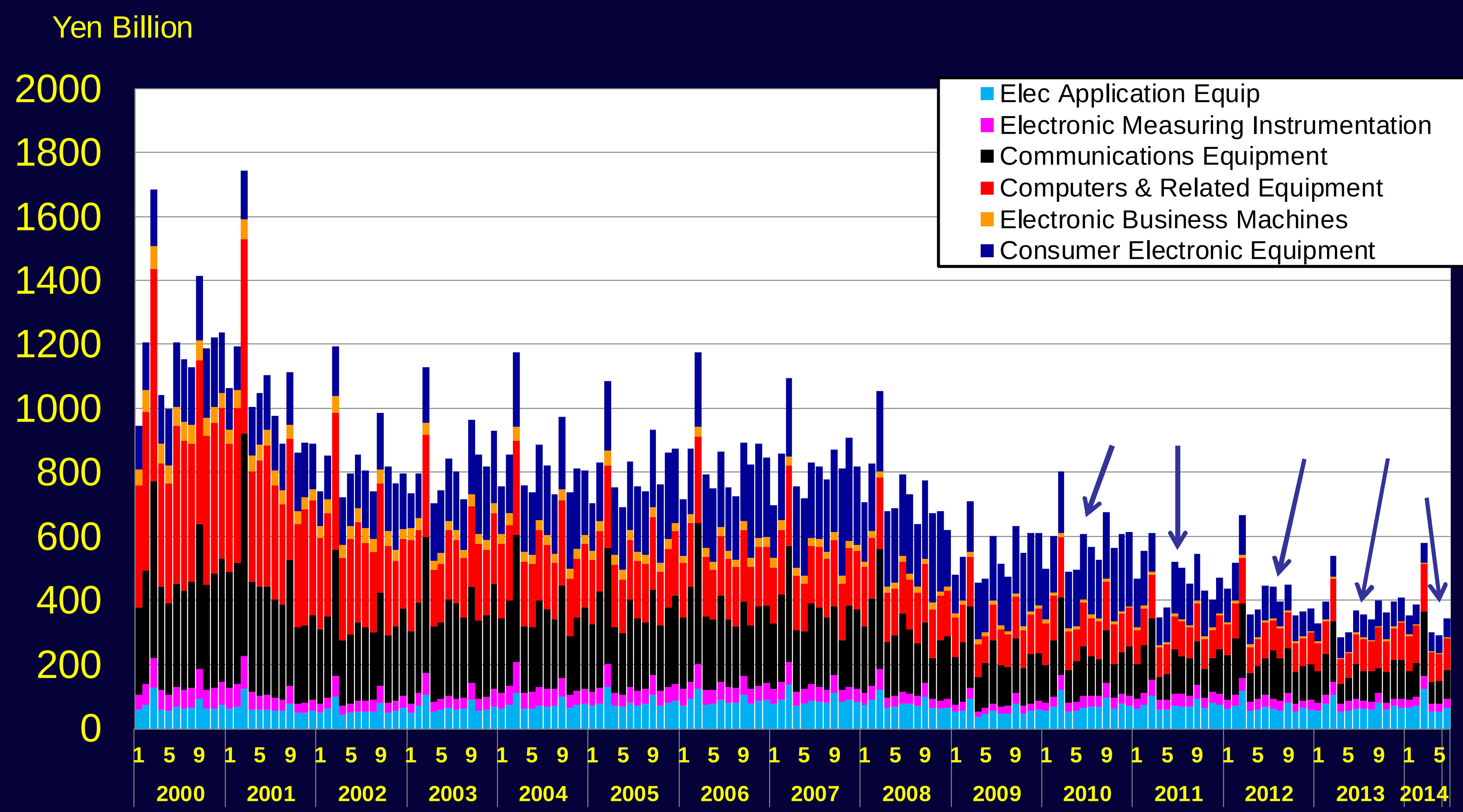
Japan Electronic Equipment Production by Month 2000 to Present



JEITA www.jeita.or.jp/

Chart 14

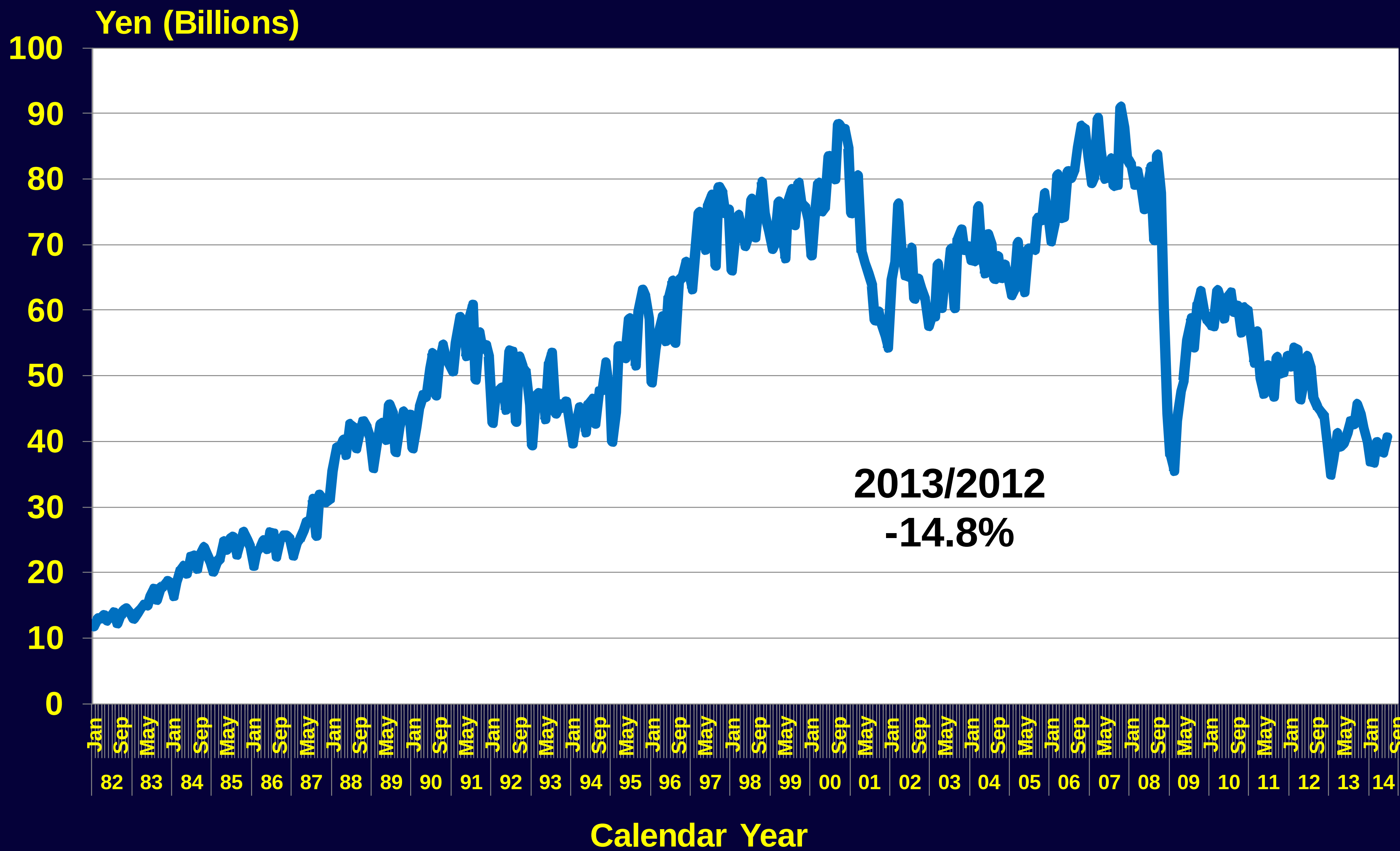
Japan Electronic Equipment Production by Month 2000 to Present



JEITA www.jeita.or.jp/

Chart 15

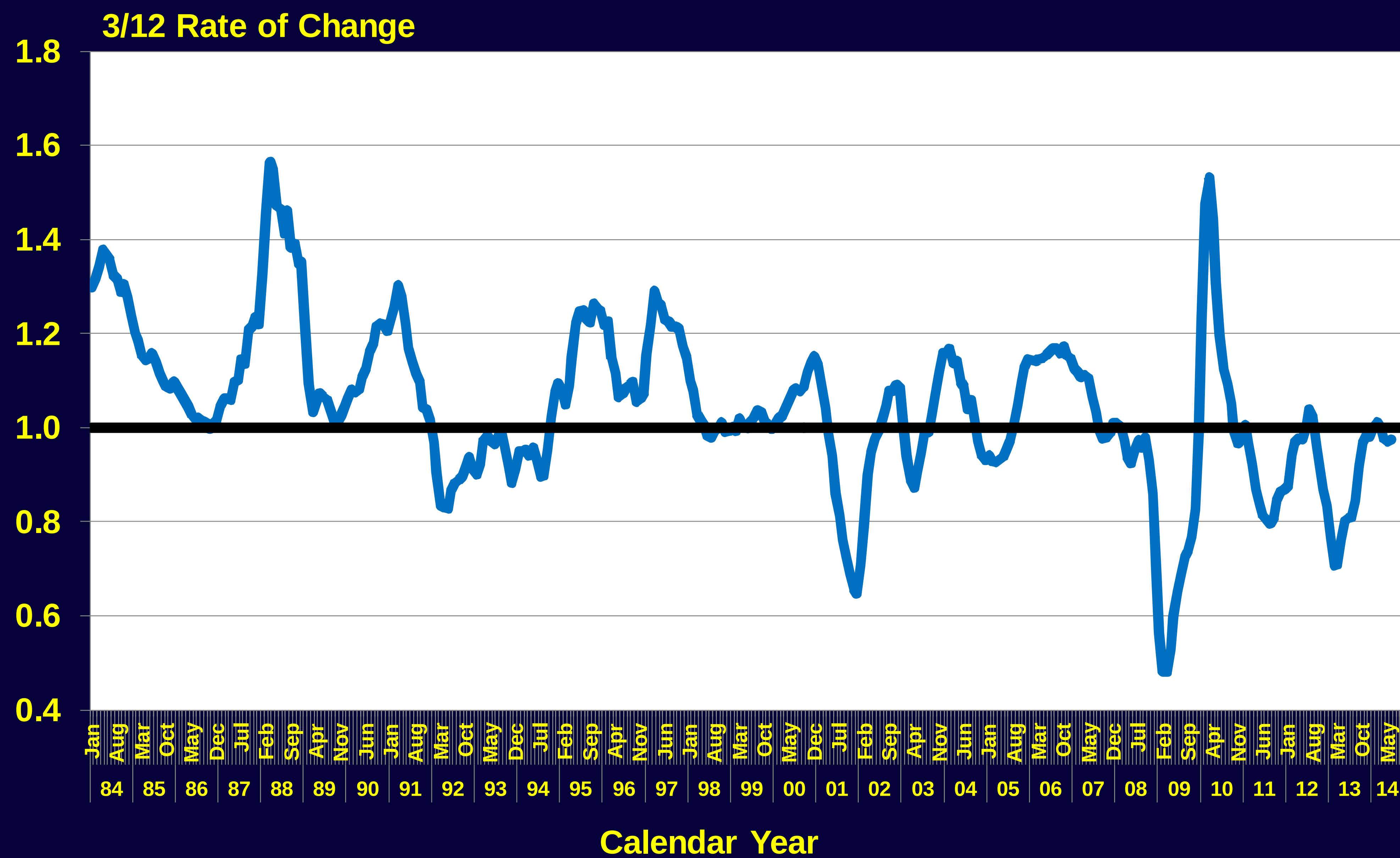
Japan PCB Shipments



www.jpca.org/kikaitoukei/kikai2013.xls

Chart 16

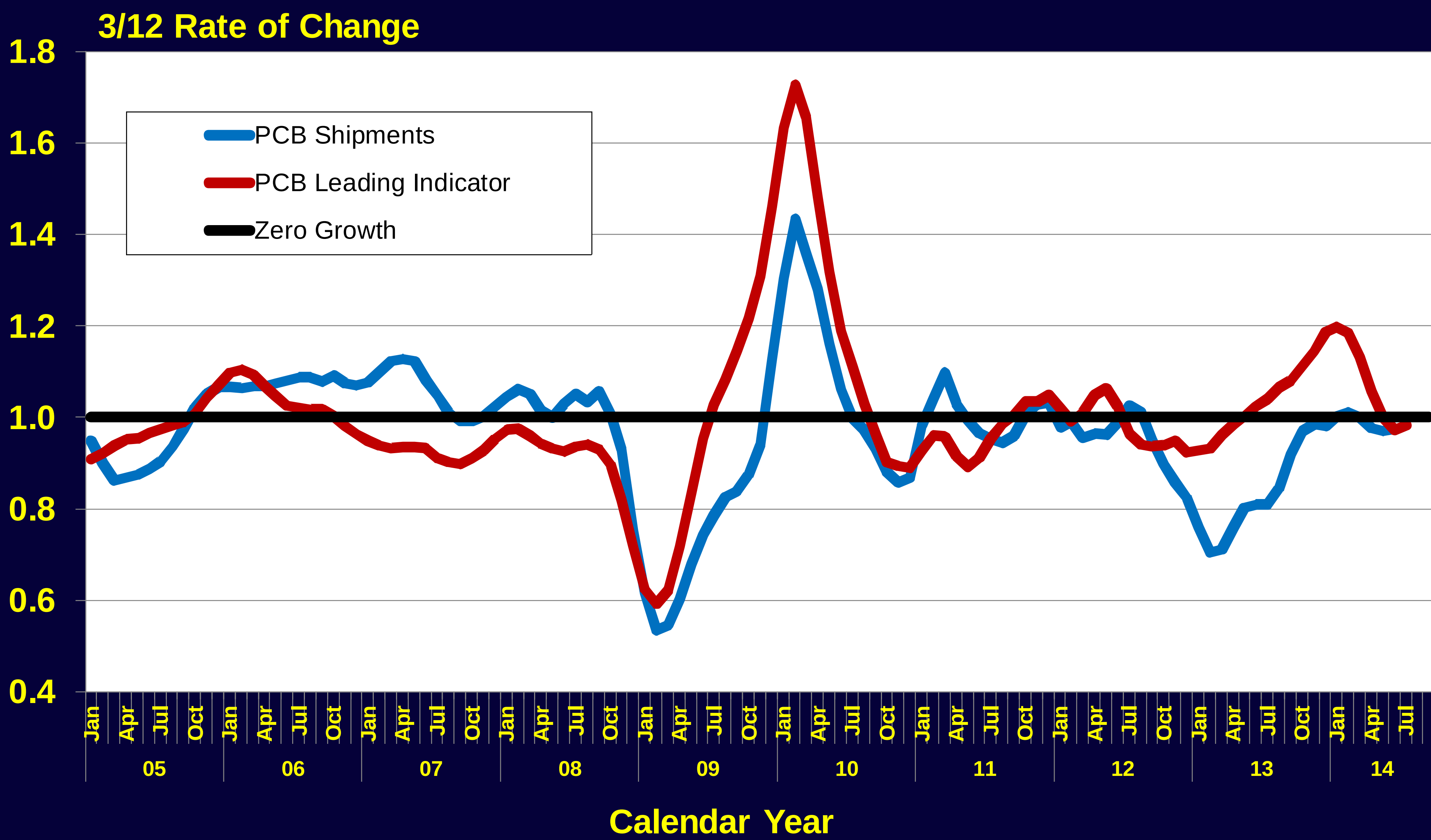
Japan PCB Shipments



www.jpca.org/kikaitoukei/kikai2013.xls

Chart 17

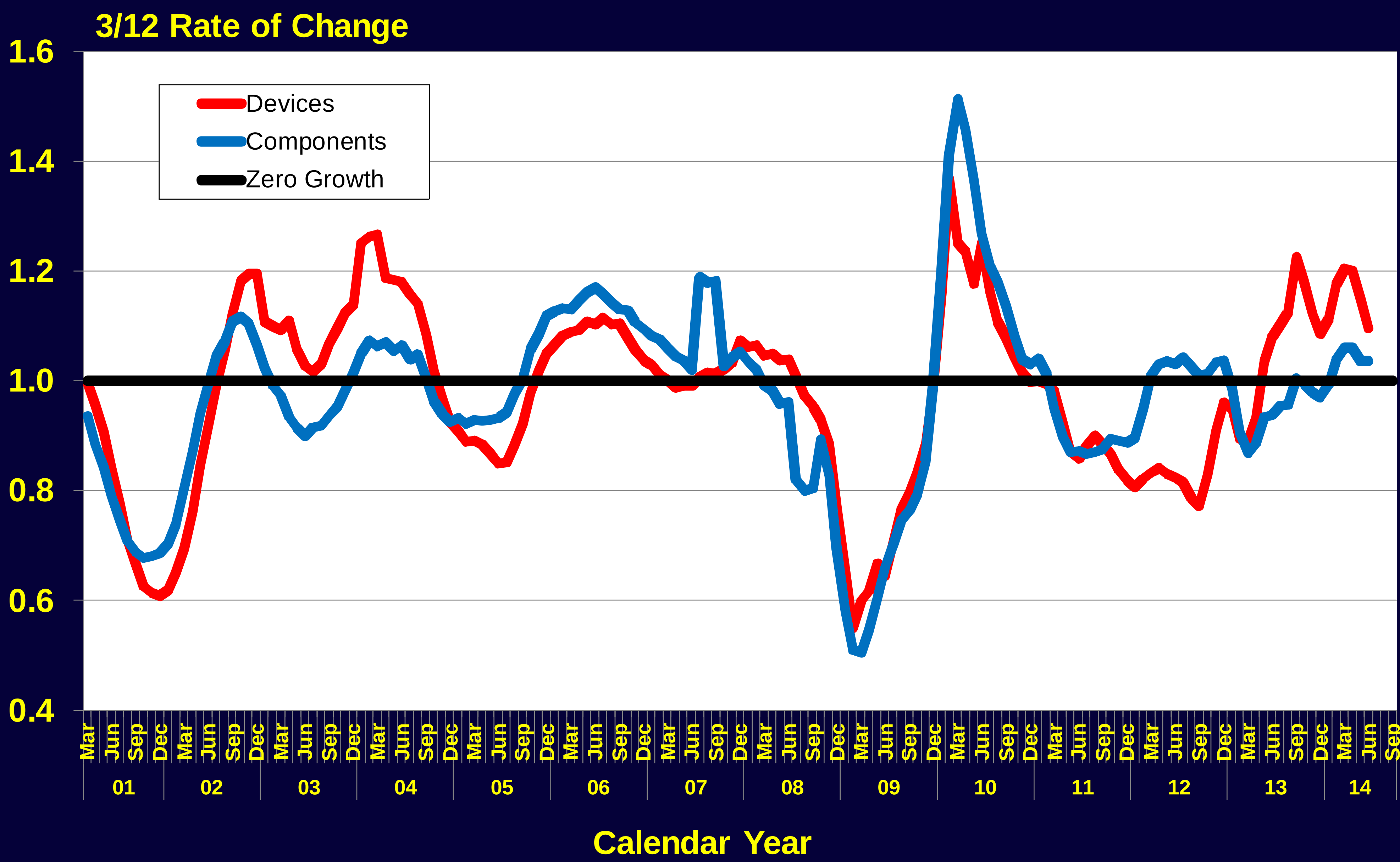
Japan PMI PCB Leading Indicator vs. Japan PCB Shipments



Source: Custer Consulting Group

Chart 18

Japanese Electronic Component & Device Production

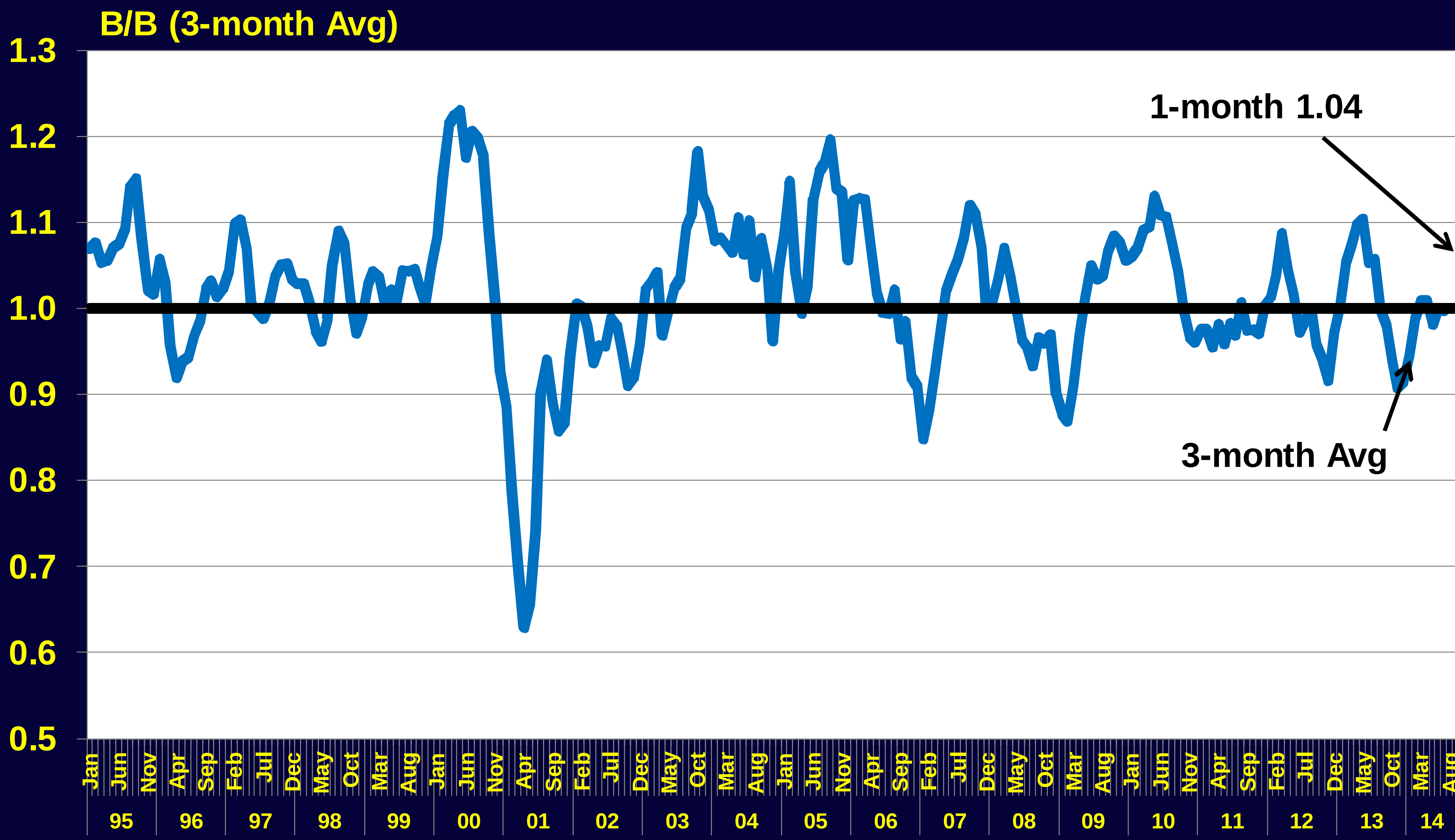


JEITA www.jeita.or.jp/

Chart 19

Rigid & Flexible PCB Book/Bill

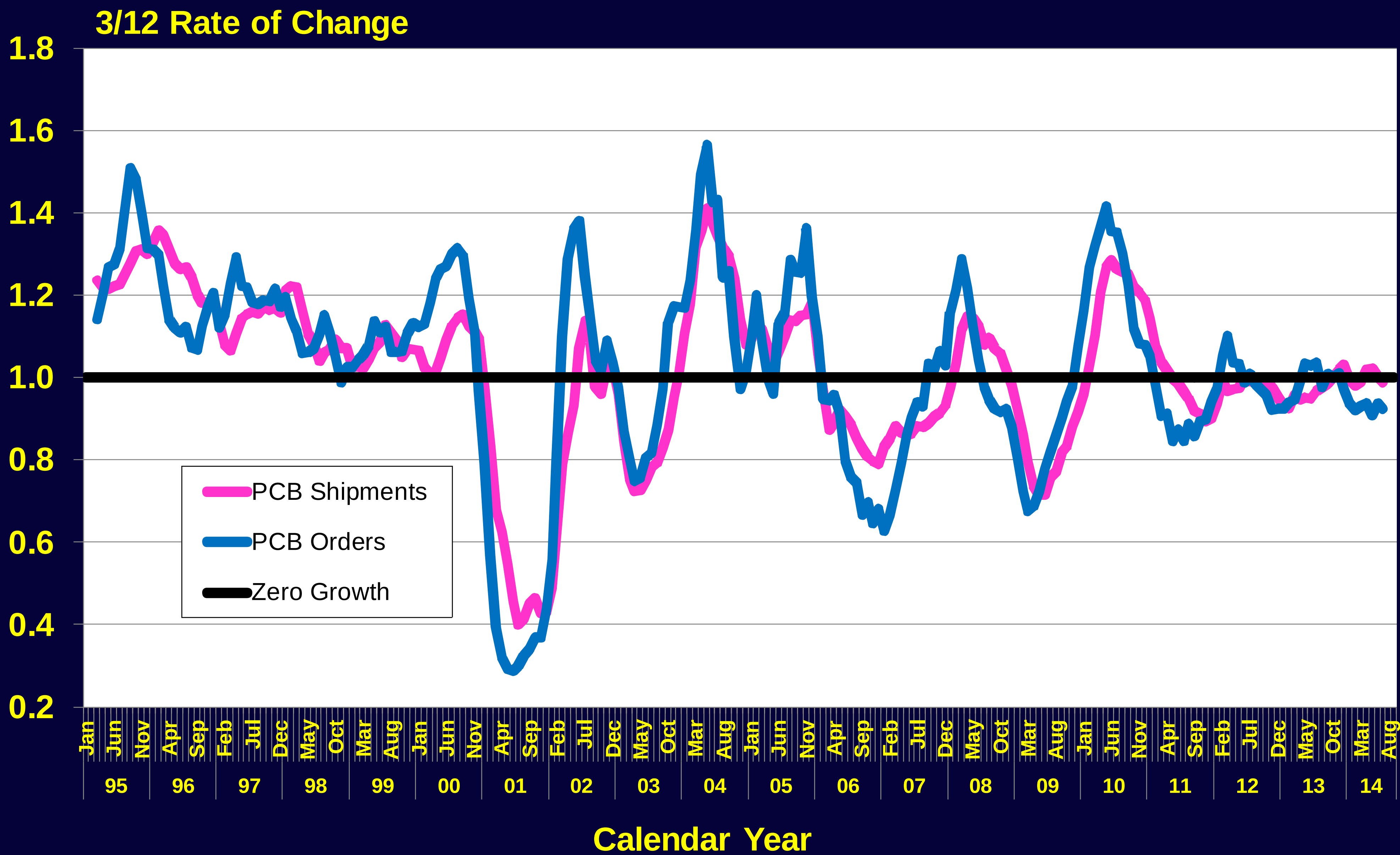
N. America



IPC

Chart 20

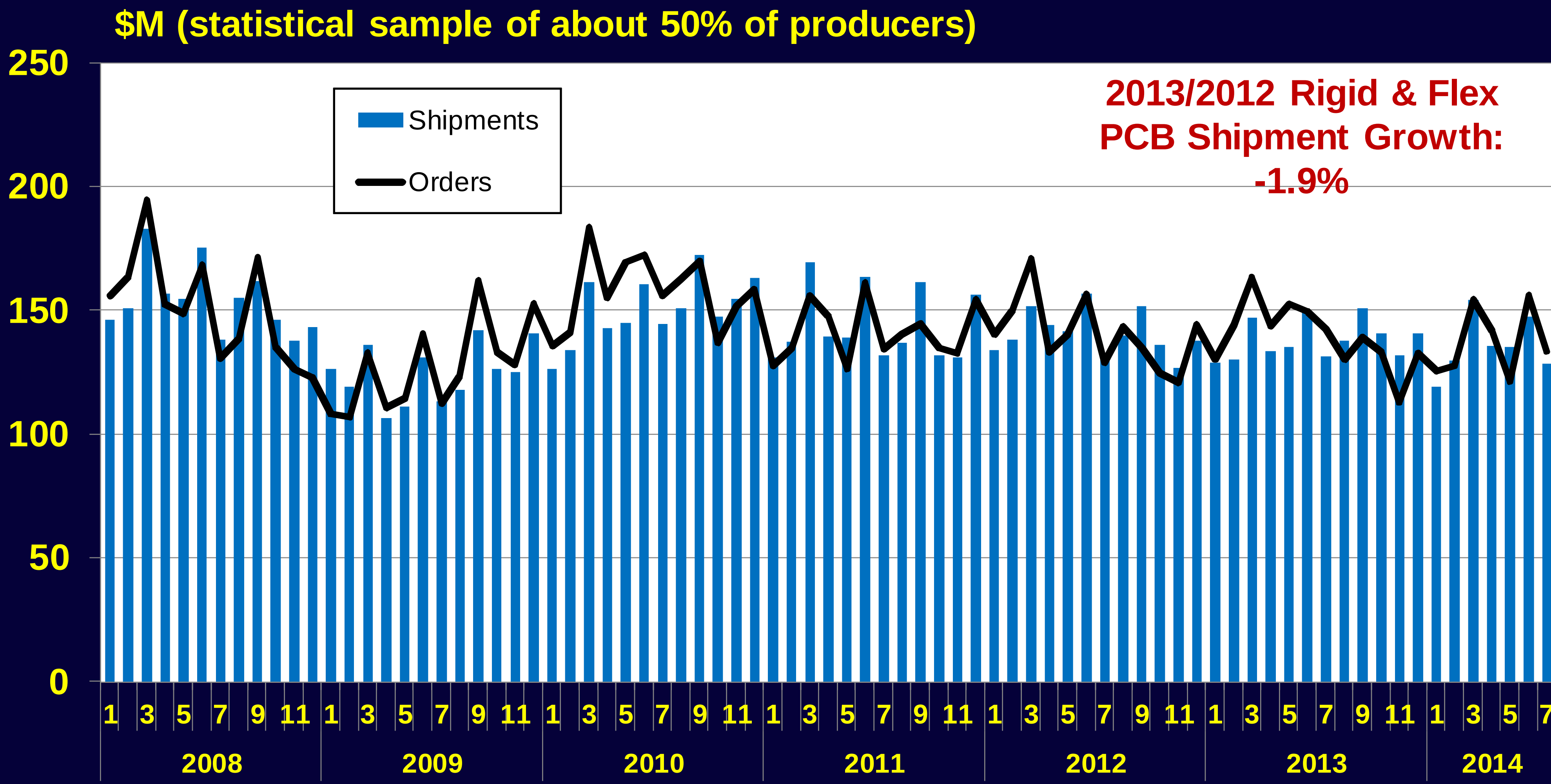
N. America Rigid & Flexible PCB Orders & Shipments



Data: IPC T/MRC & http://www.census.gov/indicator/www/m3/

Chart 21

N American Rigid & Flexible PCB Shipments & Orders

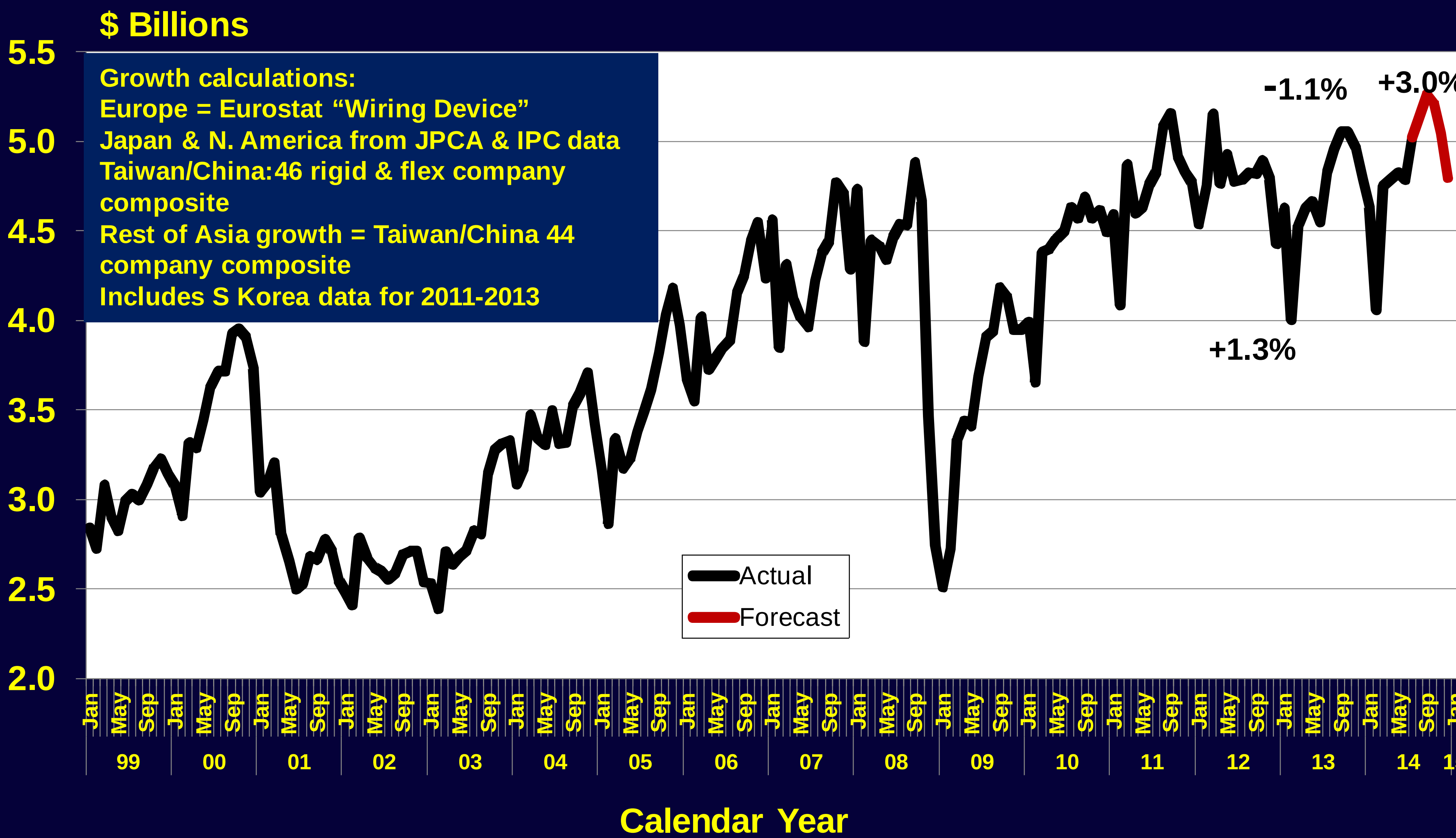


Note: IPC survey captures "market" not domestic production. About 15% of the above represents imported boards resold by N American PCB producers in survey.

IPC

Chart 22 **World PCB Shipments (with forecast)**

Converted @ Fluctuating Exchange Rates

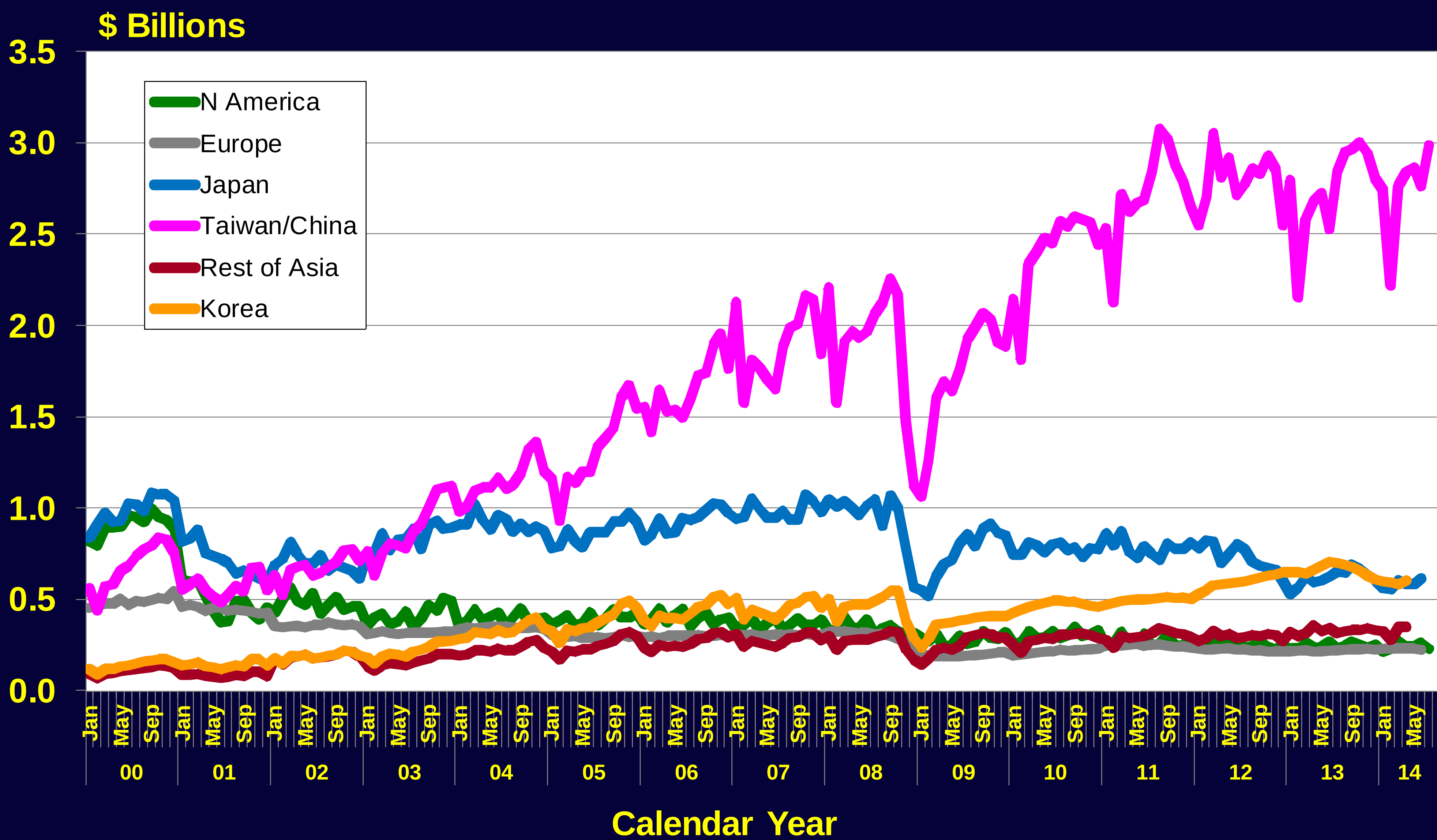


Source: Custer Consulting Group - 2010 base year expanded by monthly growth of N. American, European, Japanese & Taiwan/China monthly PCB shipments

Chart 23

World PCB Monthly Shipments

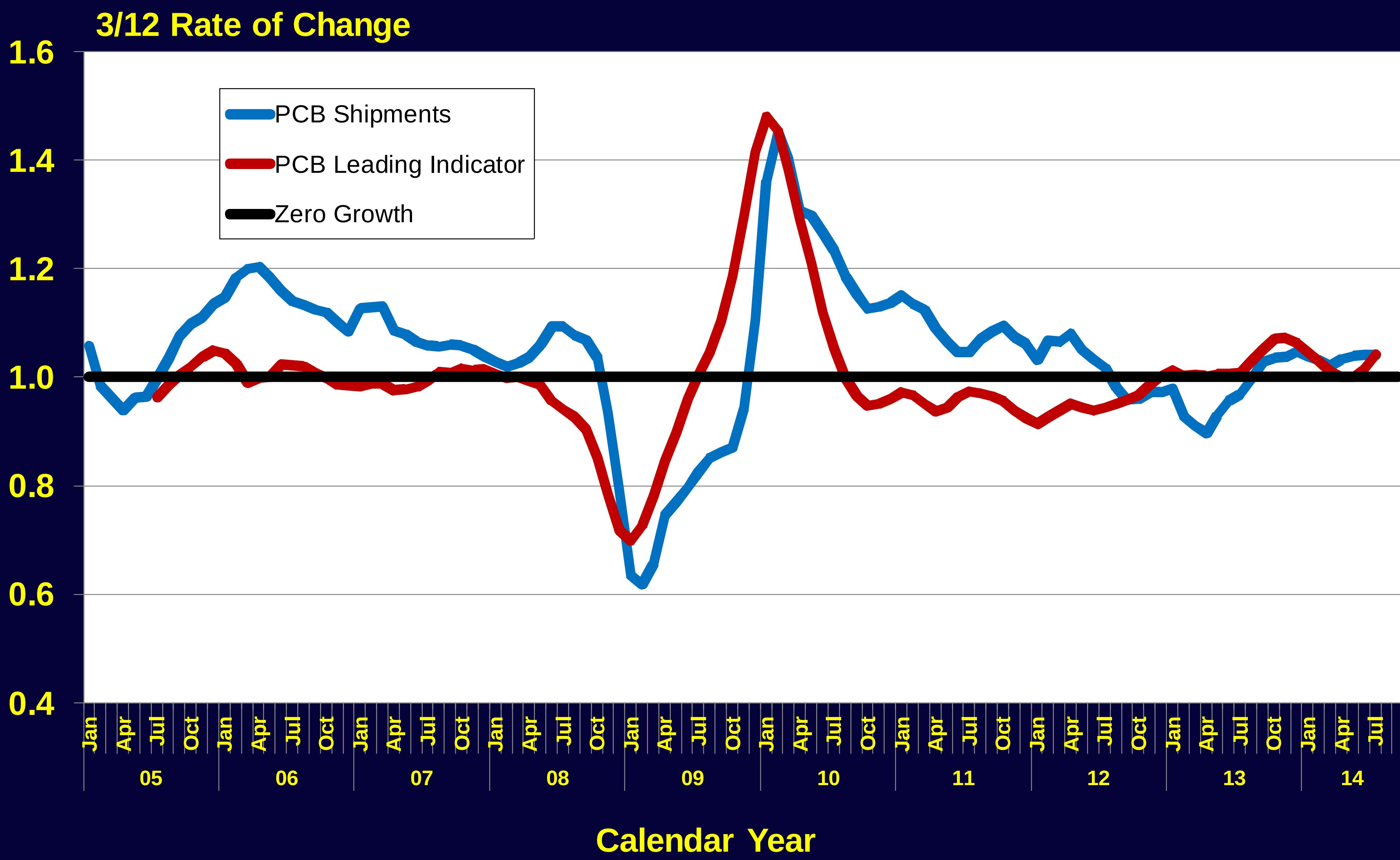
Converted @ Fluctuating Exchange Rates



Source: Custer Consulting Group

Chart 24

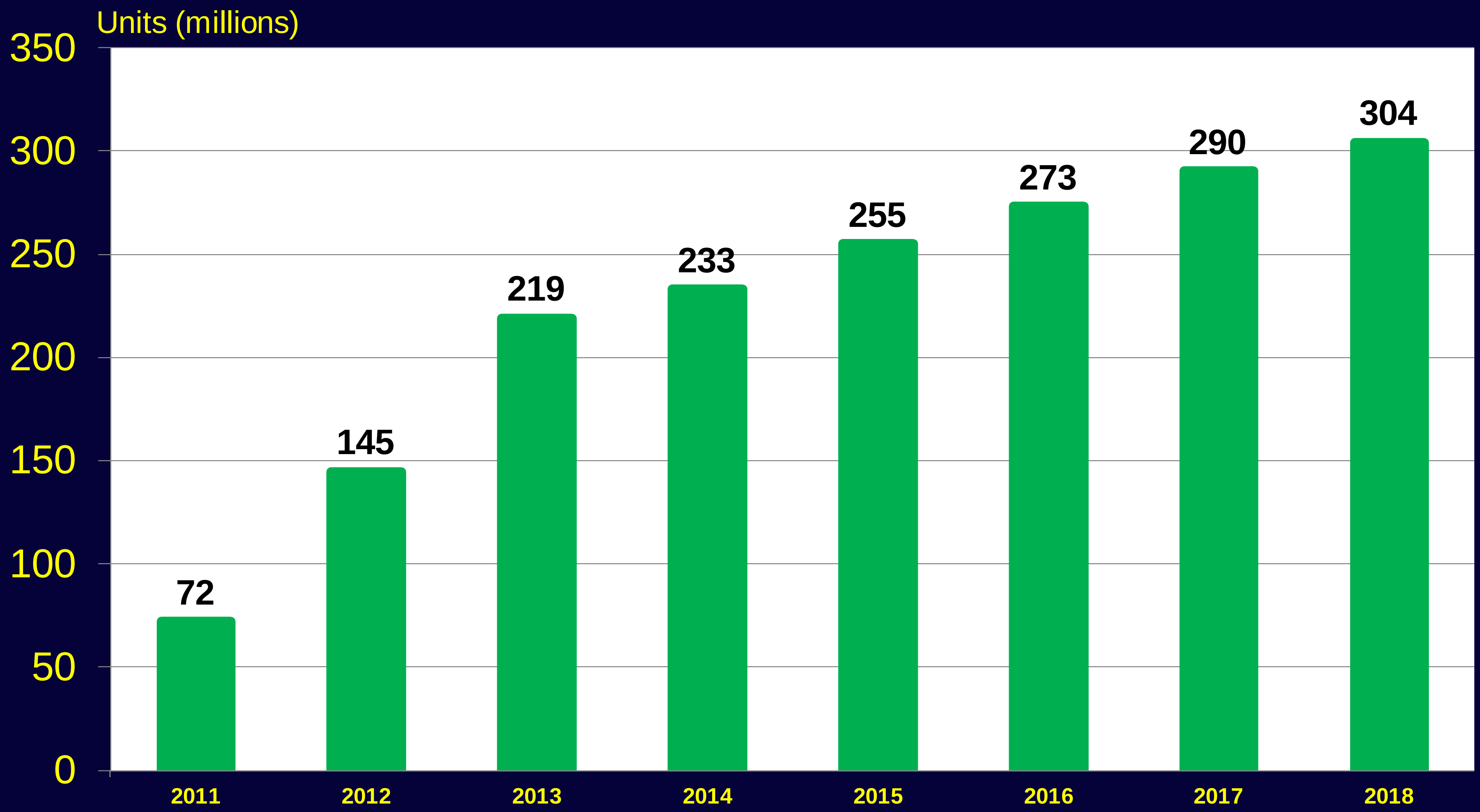
CCG Global PCB Leading Indicator vs. Global PCB Shipments @ Fluctuating Exchange



Source: Custer Consulting Group

Chart 25

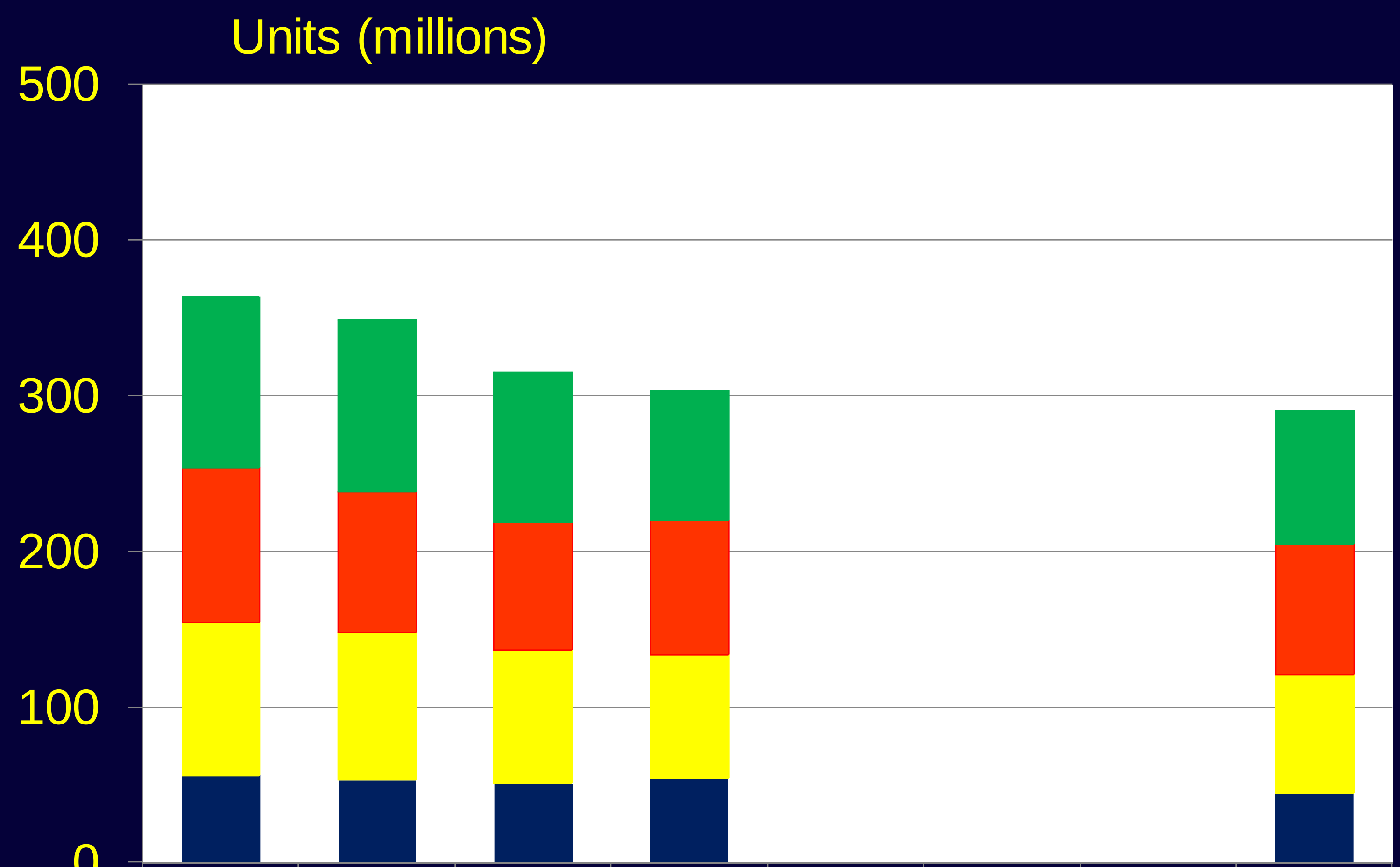
Tablet plus 2-in-1 Shipments
World



International Data Corporation 8/14

Chart 26

World Computer Shipments
Desktops & Portables (mature & emerging markets)

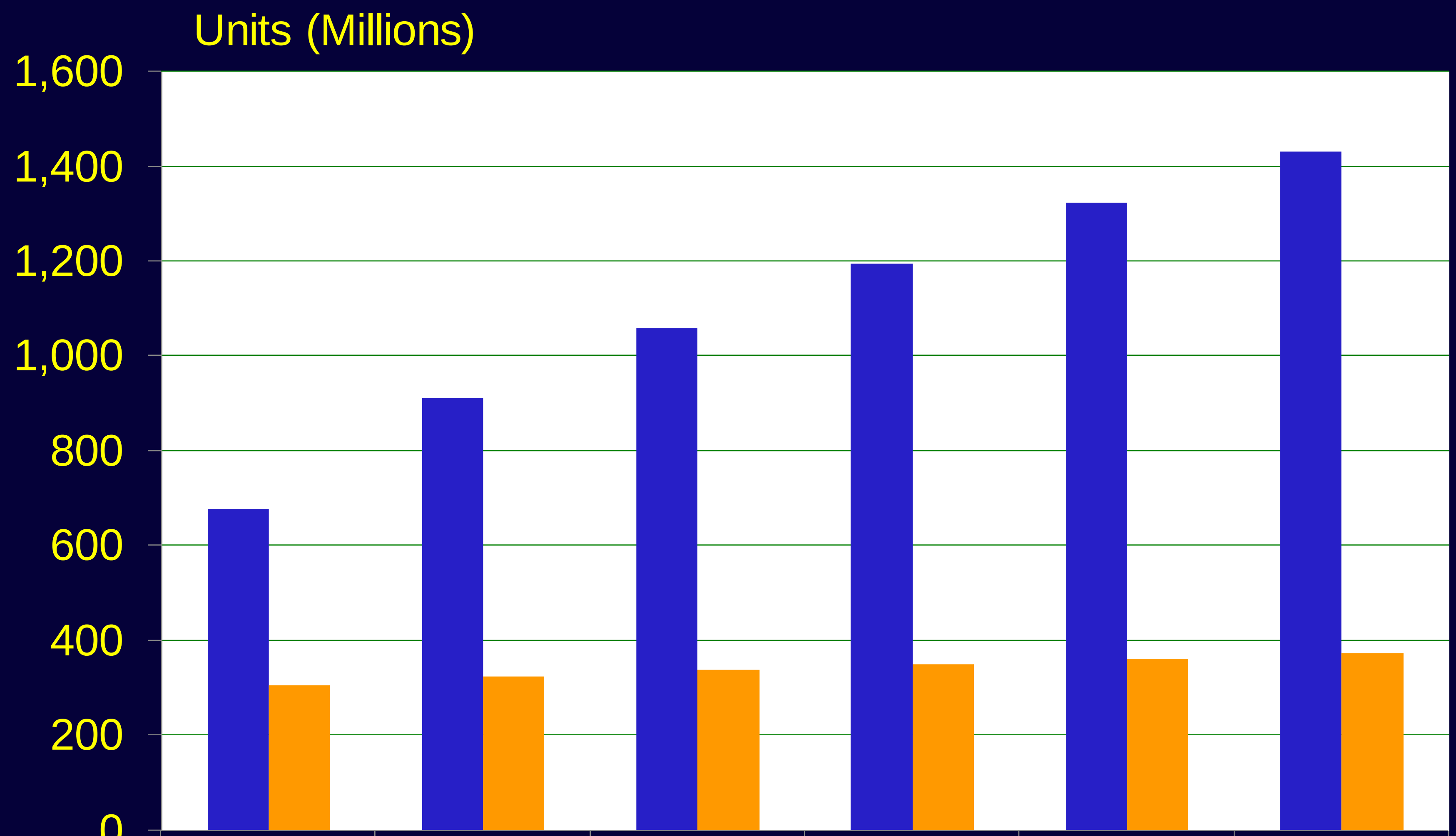


	2011	2012	2013	2014	2015	2016	2017	2018
Portable-Emerging Market	110	110	96	83				86
Portable-Mature Market	99	91	82	87				84
Desktop-Emerging Market	99	95	86	80				76
Desktop-Mature Market	56	54	51	54				45

IDC 8/14 + historical IDC data

Chart 27

Smartphone Unit Shipments by Geography

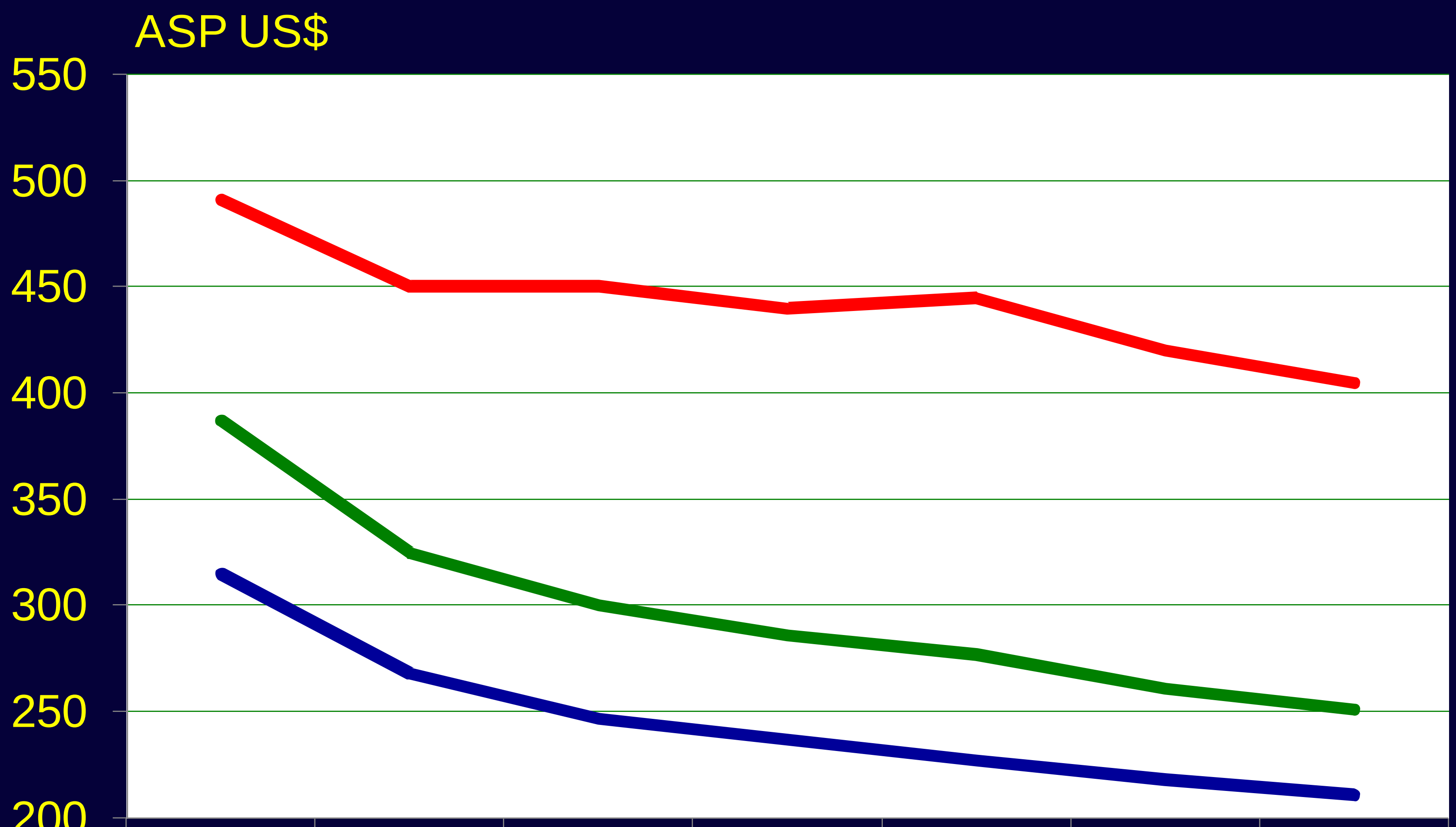


	2013	2014	2015	2016	2017	2018
Emerging	677	912	1,060	1,194	1,323	1,432
Developed	305	325	337	351	363	373

IDC 8/14

Chart 28

Smartphone Average Selling Price by Geography

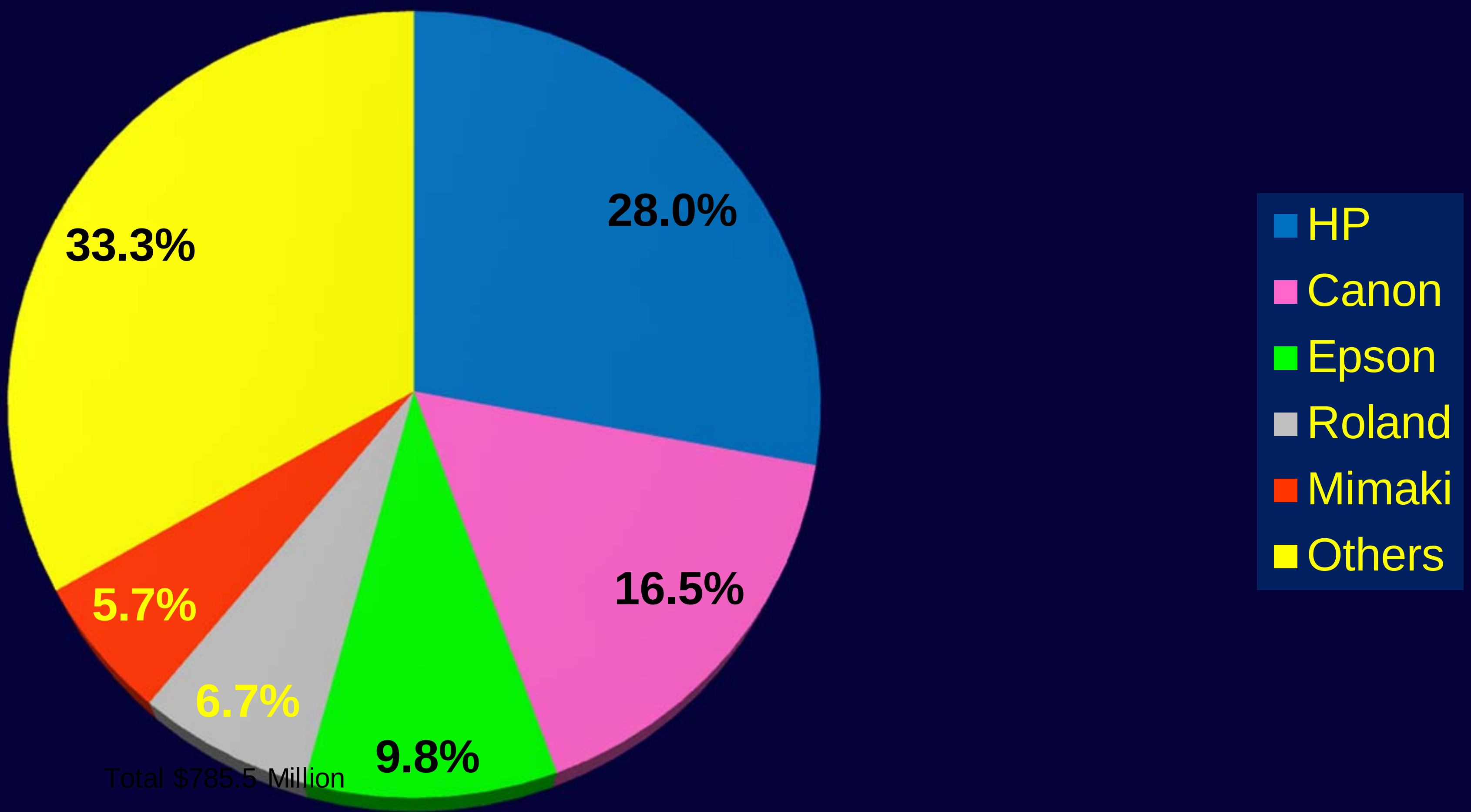


	2012	2013	2014	2015	2016	2017	2018
Emerging	315	268	247	237	227	218	211
Developed	491	450	450	440	445	420	405
Worlwide	387	325	300	286	277	261	251

IDC 8/14

Chart 29

World Large Format Printer $ Shipments 2Q’14

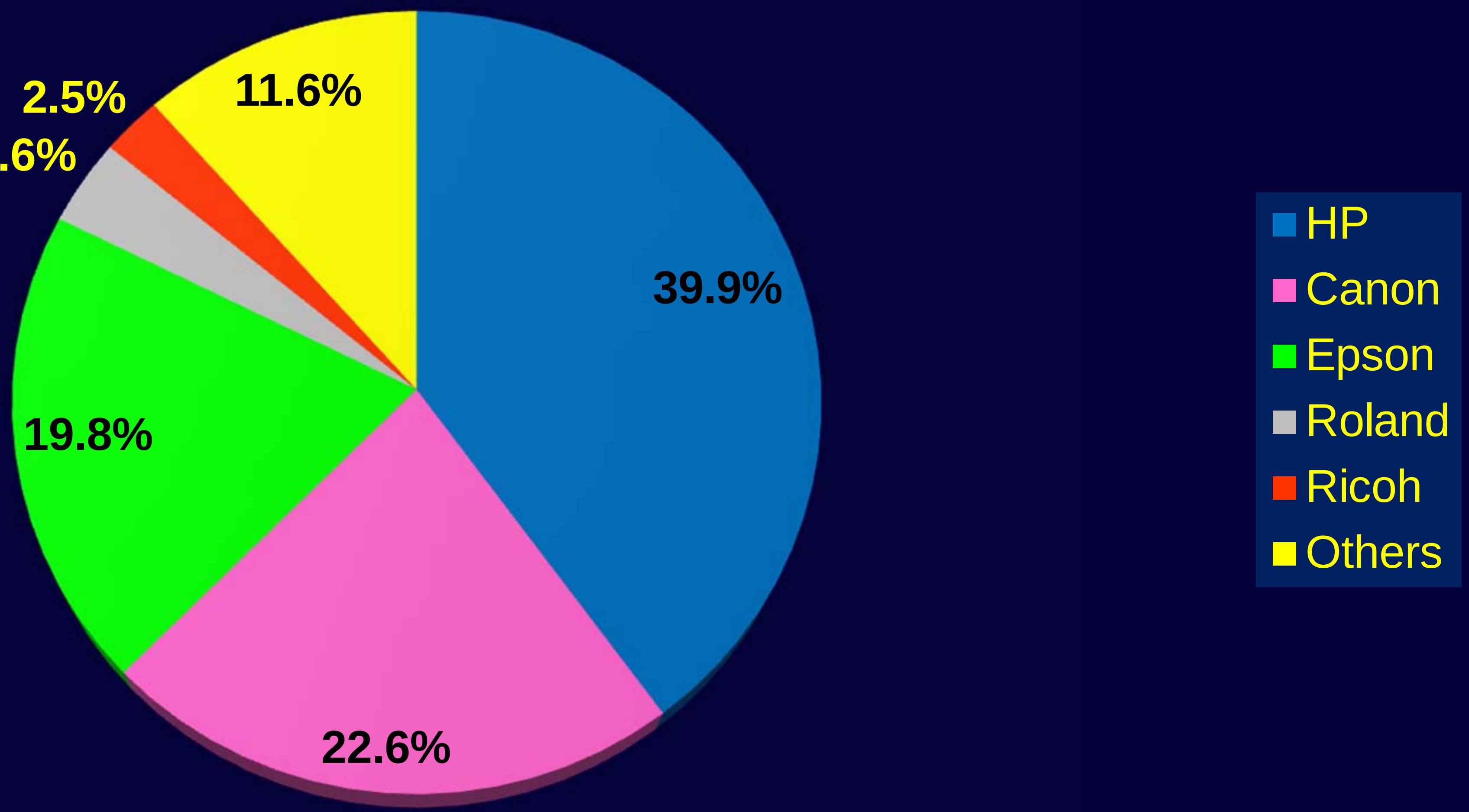


2Q’14 Total: US$ 785.5 Million

IDC 8/14

World Large Format Printer Unit Shipments 2Q'14

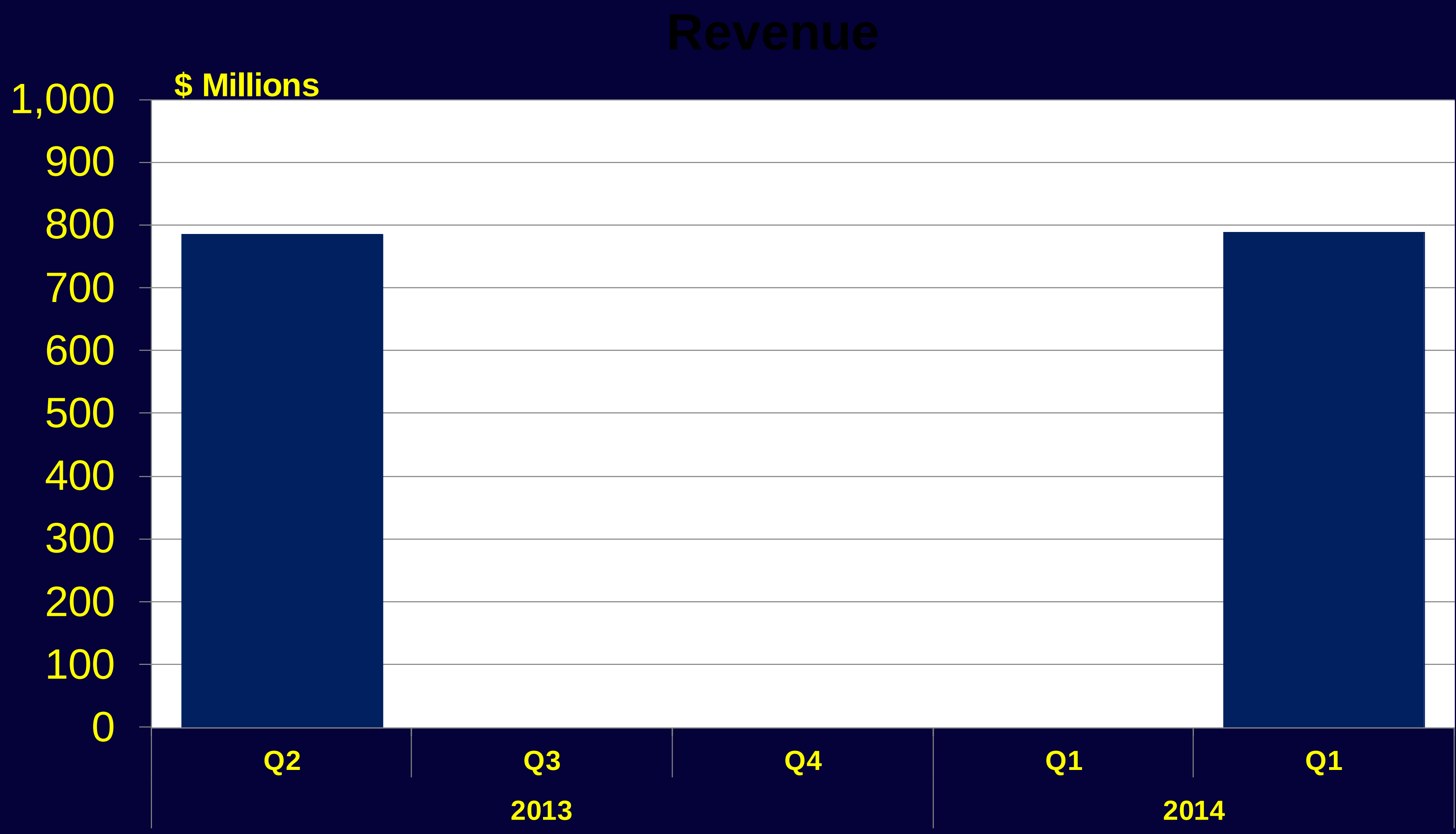
Chart 30



IDC 8/14

Chart 31

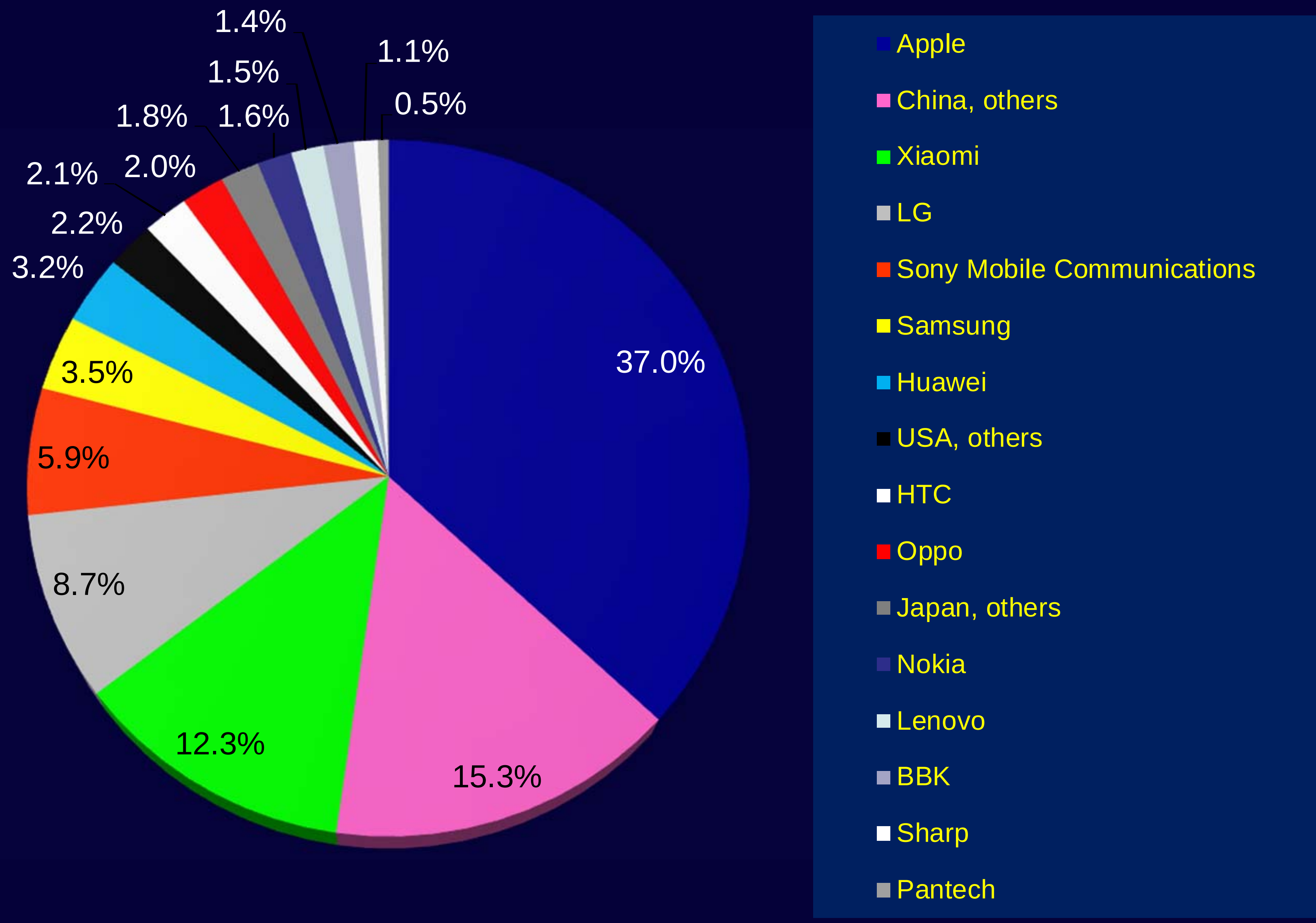
World Large Format Printer Shipments



IDC 8/14

Chart 32

LTPS Oxide Smartphone Panel Procurement Share



Displaysearch 8/14