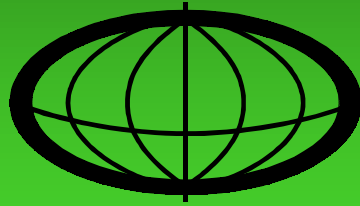


WSTS



**WORLD
SEMICONDUCTOR
TRADE STATISTICS**

Semiconductor Industry Green Book 2004

Graphs from the Blue Book

Administered by WSTS, Inc.

Compiled by Mohler, Nixon & Williams in Campbell, PricewaterhouseCoopers LLP in Zurich and Tohmatsu & Co. in Tokyo

WSTS**WORLD
SEMICONDUCTOR
TRADE STATISTICS**

Green Book

This illustrative sample shows a collection of charts of the major product categories as they are displayed in the actual Green Book report, that WSTS publishes every month together with the Blue Book. In essential terms the Green Book is a graphical representation of the Blue Book report, however the plotted data includes Blue Book history from January 2000 to date.

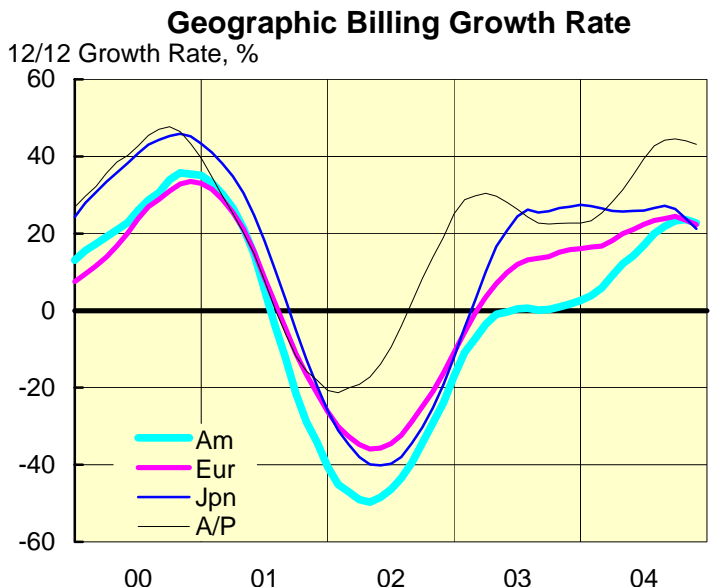
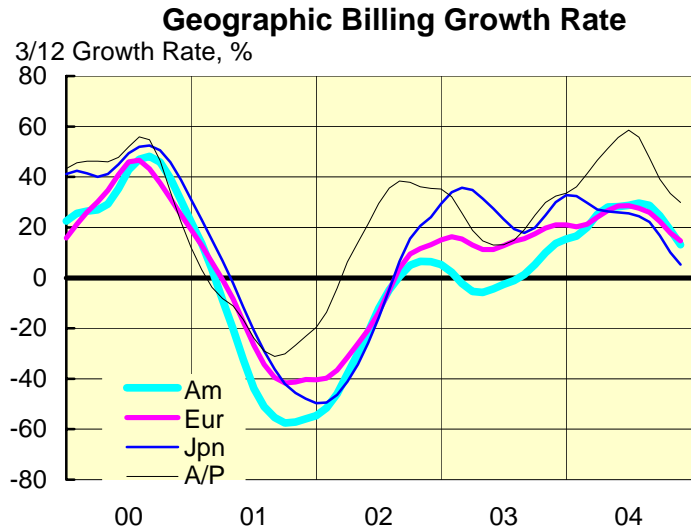
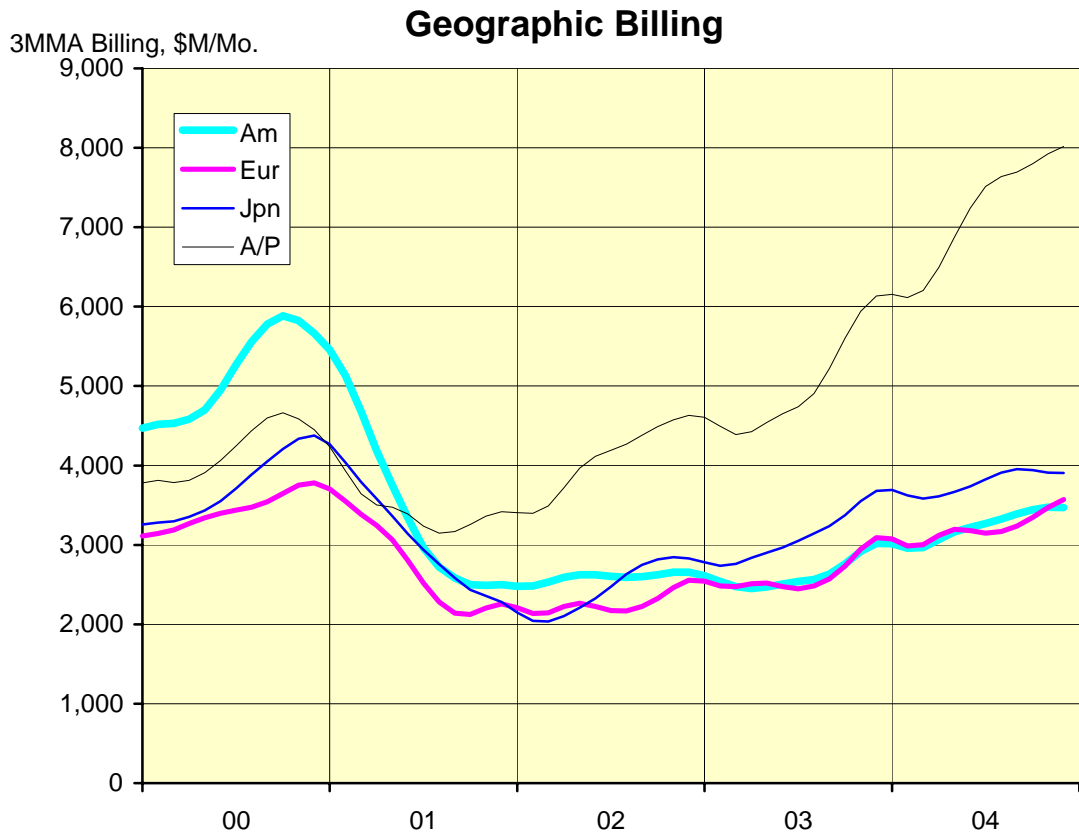
The charts shown in this sample represent actual data up to November 2004. The full edition of the Green Book includes 467 charts. With several format extensions of the Blue Book in 2005 the Green Book will have around 500 charts in 2005.

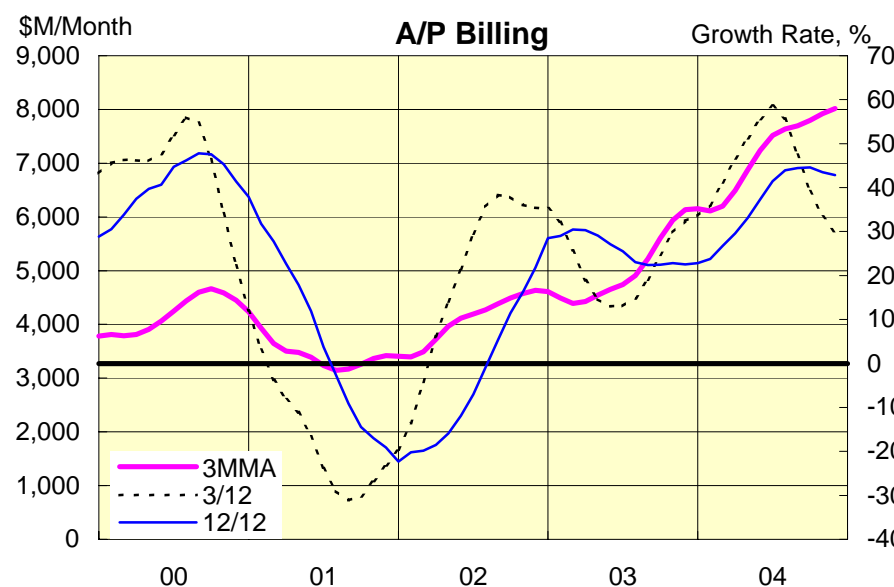
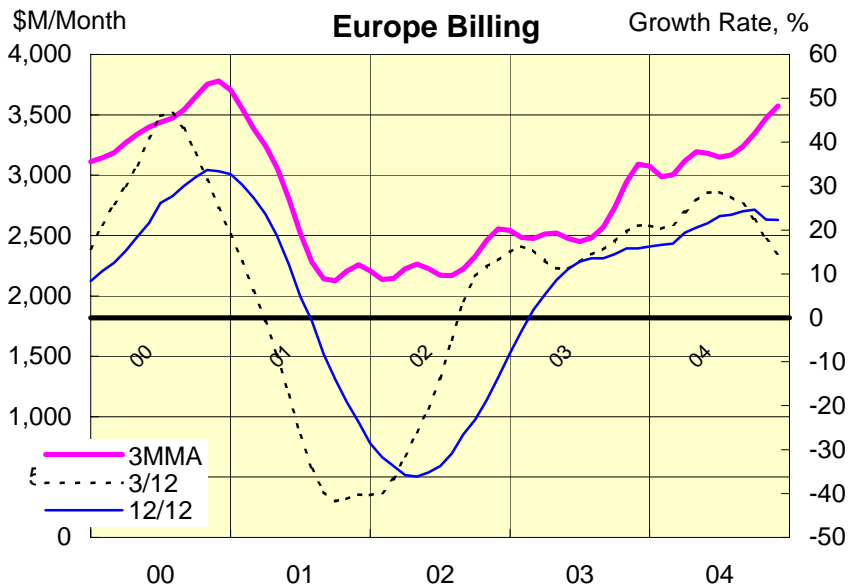
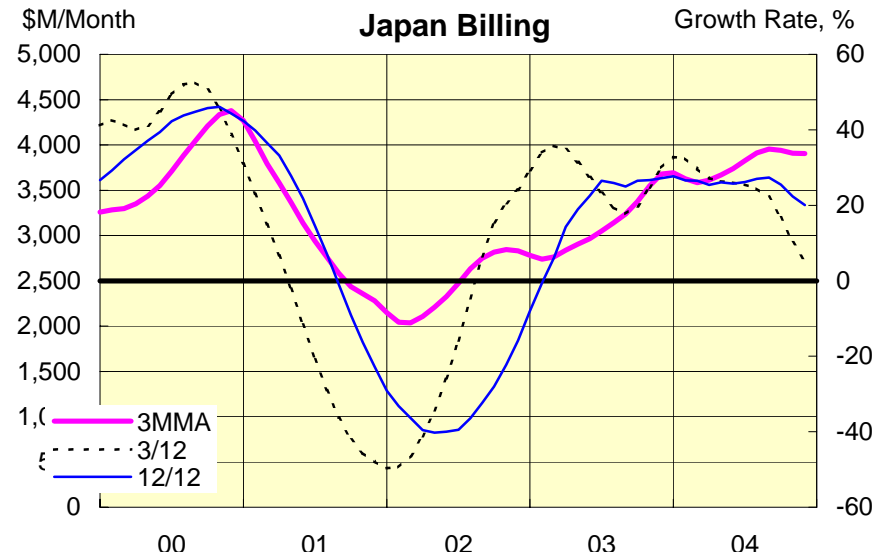
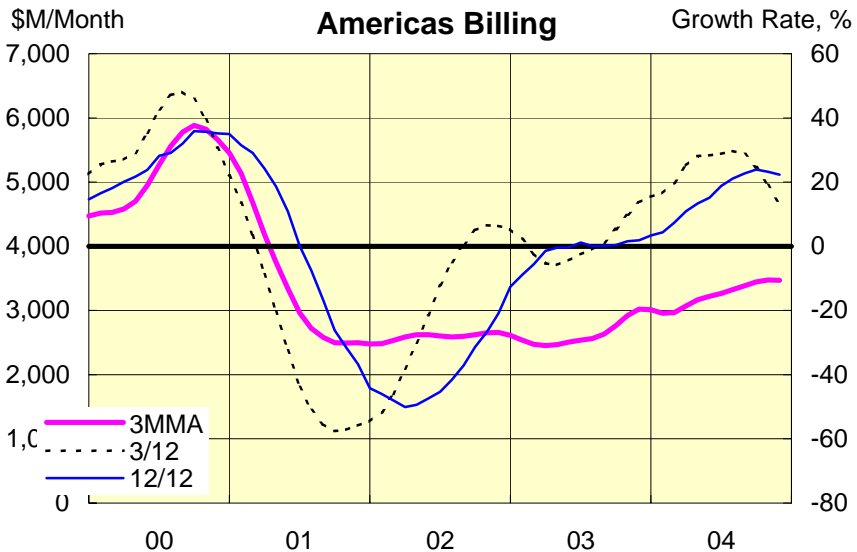
The Green Book uses Adobe Acrobat (PDF) as data format. All charts are based on scaleable vector graphics and may easily be transferred by the cut-and-paste method into any presentation (for instance MS PowerPoint or the like).

To make trends better visible all plotted data is smoothened by use of the three-month-rolling average method. This means a data point in the current month represents a value that is the average of the current month, the previous month and the month before the previous month.

For those situations where the actual historical data of a specific month is required, WSTS issues another document, the Blue Book History, which is a tabular collection of 15 years Blue Book reports. Some product categories of lesser age than 15 years may of course not be available for the entire span of this report. In such cases, whenever possible and meaningful, retroplated data was inserted. The method of retroplation was also used for the plotting of certain charts in the Green Book for those product categories whose life span does not cover the entire period of history.

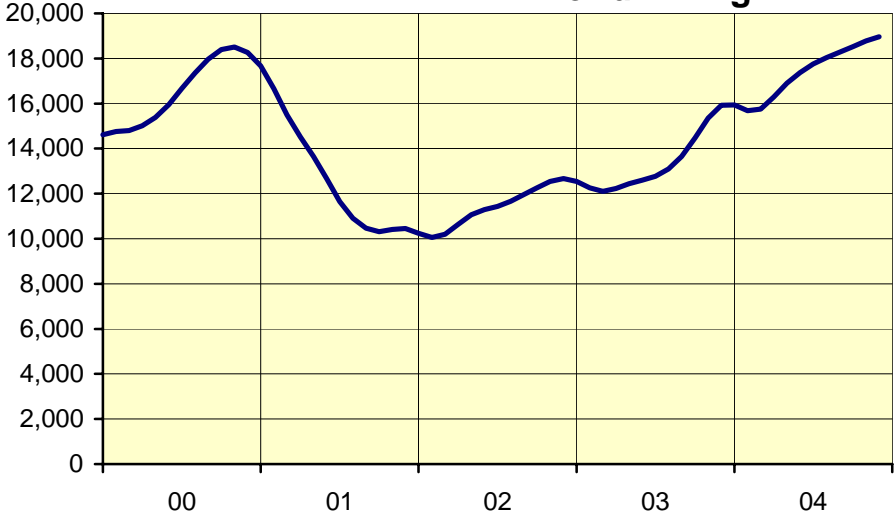
As the data in this sample report is actual life date, albeit condensed and not broken down into the same level of detail as in the Green Book, users of this sample report are reminded, that this report serves only the purpose of evaluating the merits of a WSTS membership or the engagement into subscription for WSTS reports. The material presented herein is intellectual property of WSTS, its members and licensees, and is not released for any other use than the above specified. Moreover WSTS data is copyright protected by WSTS Inc. All rights reserved. Reproduction in any electronic or physical form, in whole or in part, without written permission from WSTS is prohibited by law.





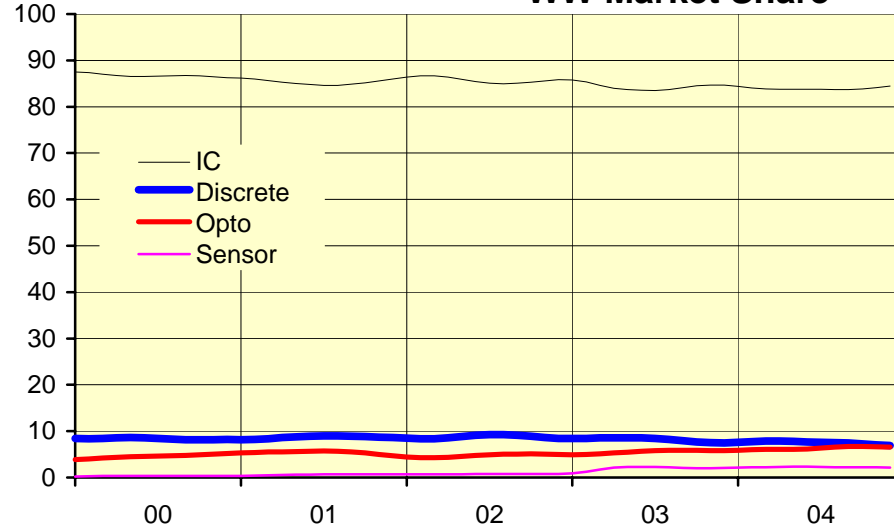
3MMA Billing, \$M/Mo.

World Billing



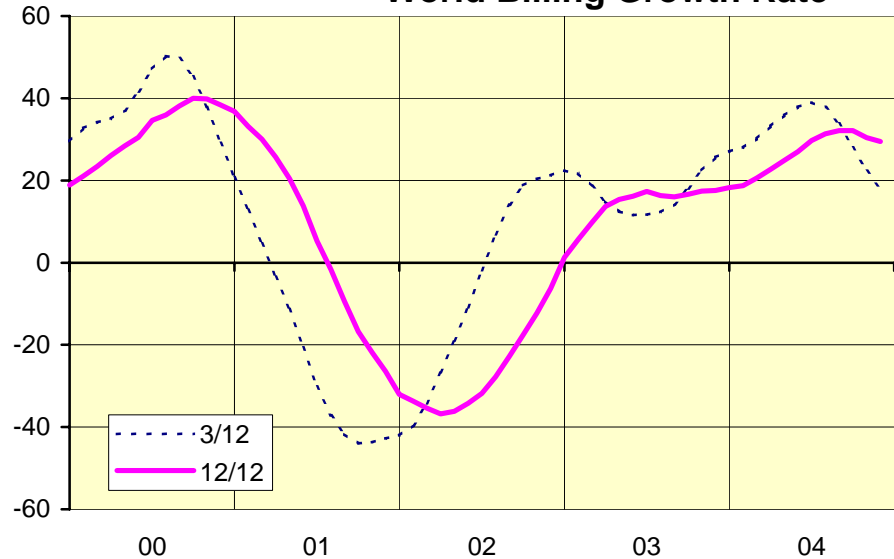
3MMA Market Share, % of WW Total

WW Market Share



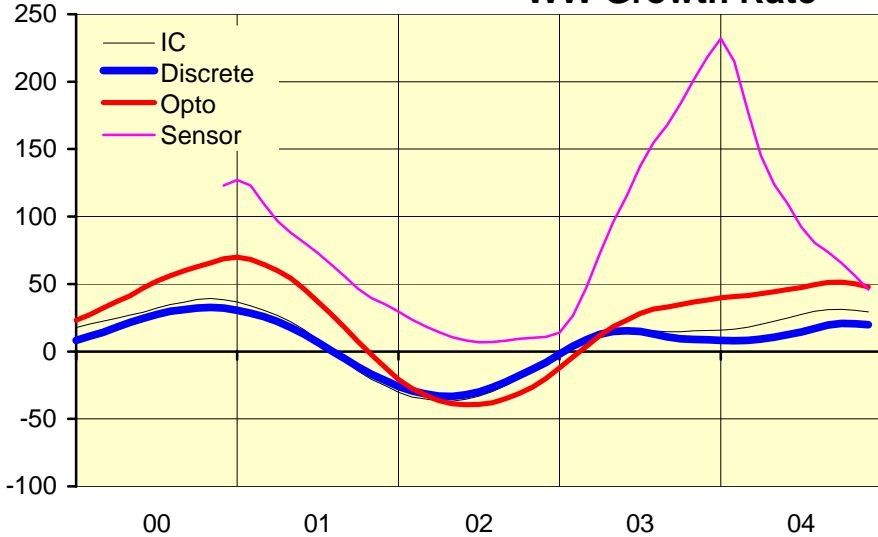
Growth Rate, %

World Billing Growth Rate

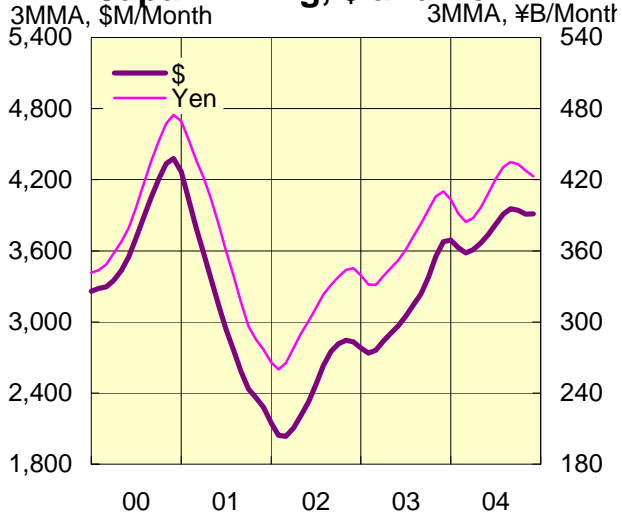


12/12 Growth Rate, %

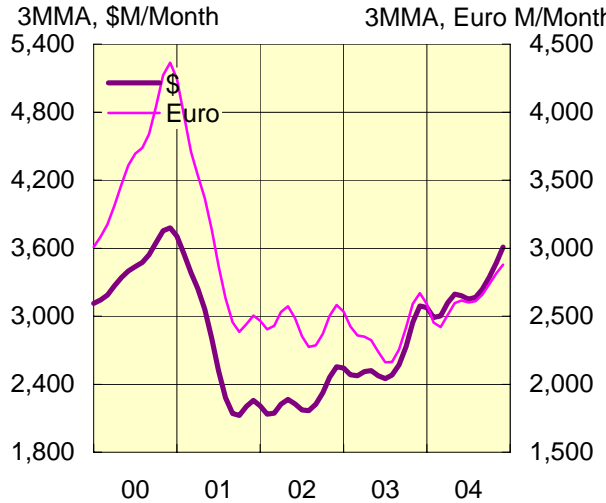
WW Growth Rate



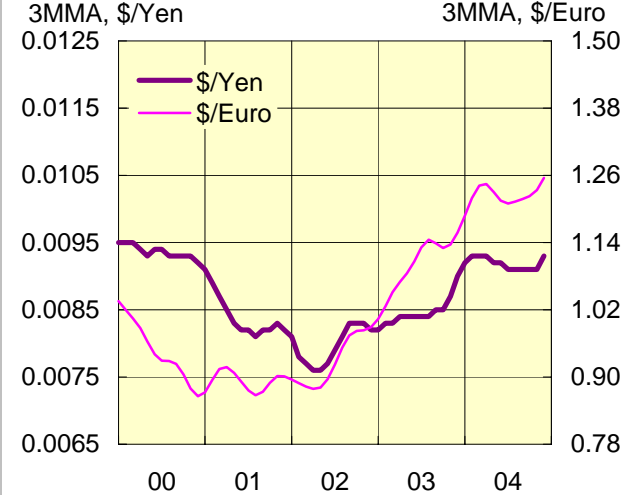
Japan Billing, \$ and Yen



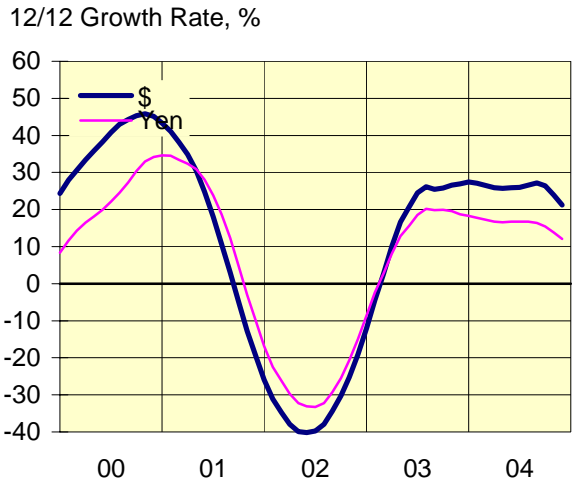
Europe Billing, \$ and Euro



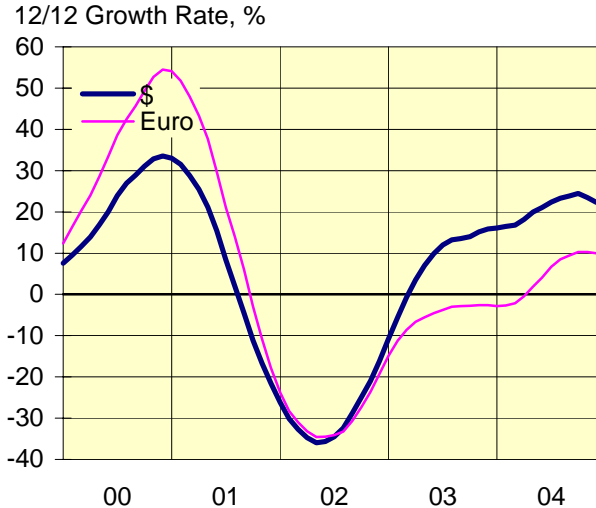
Yen, Euro Exchange Rates



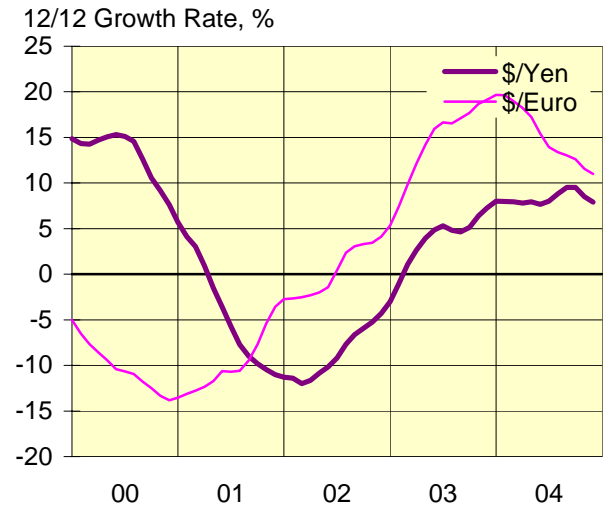
Japan Billing Growth Rate

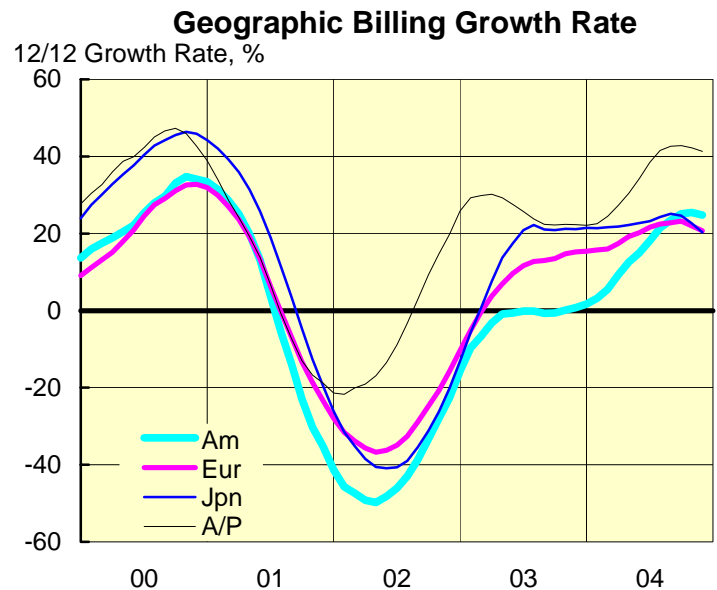
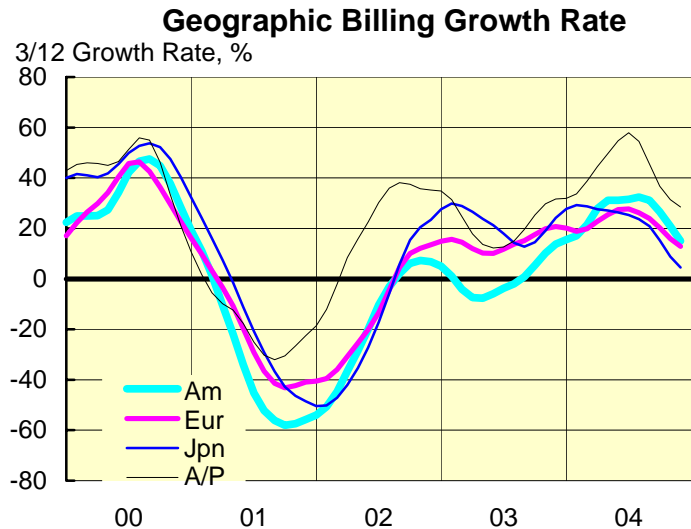
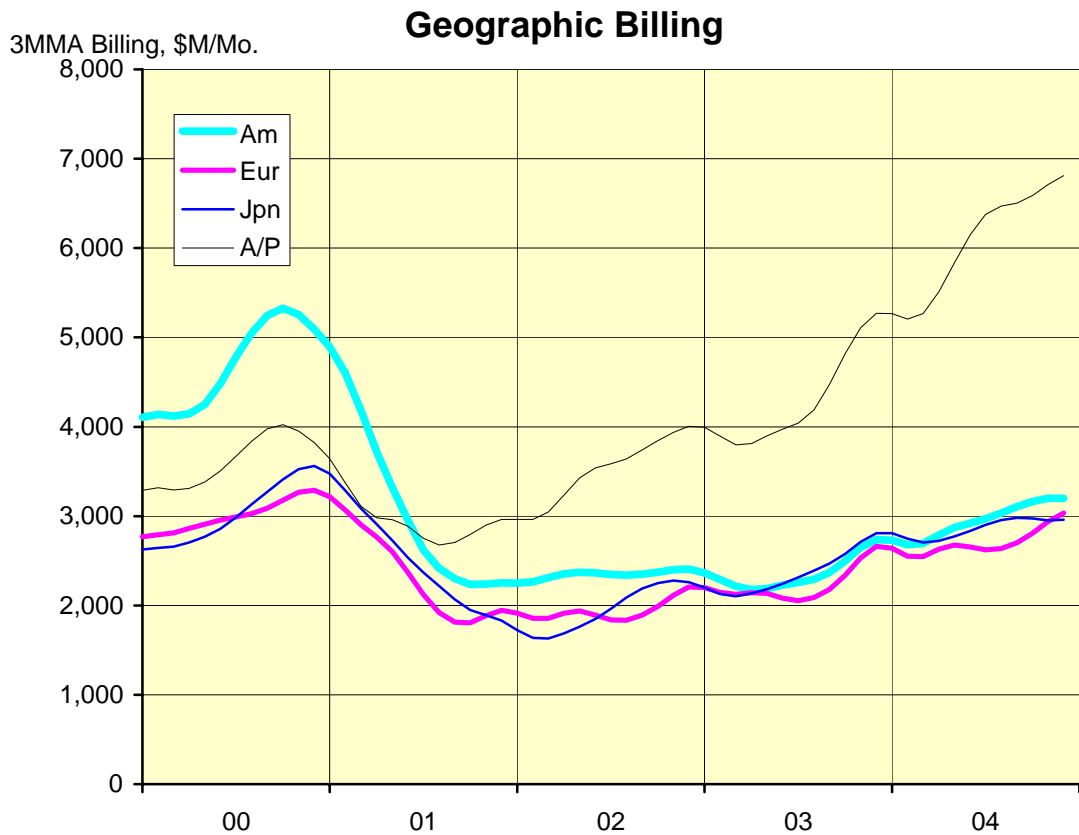


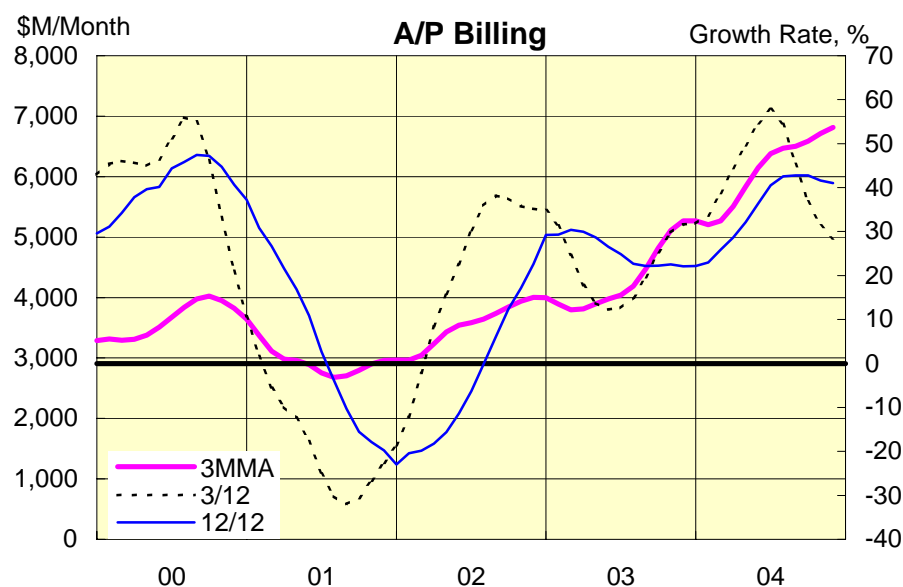
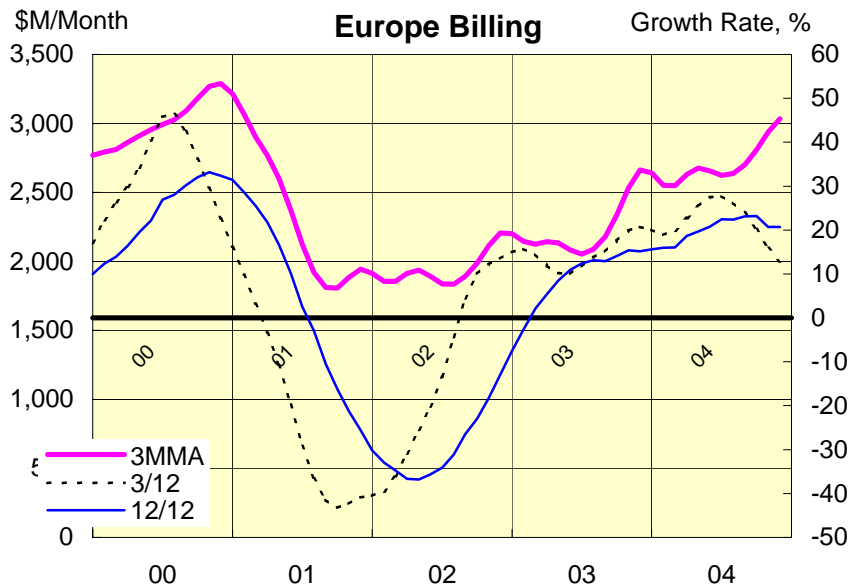
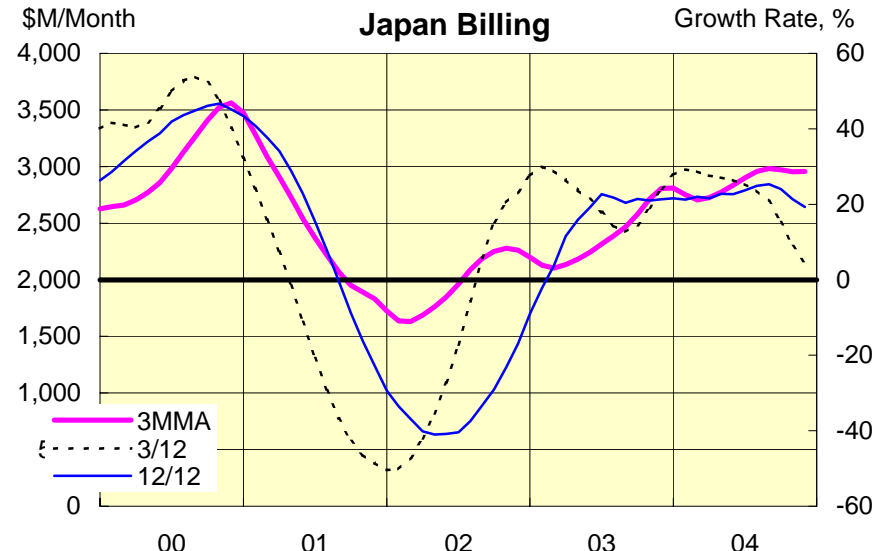
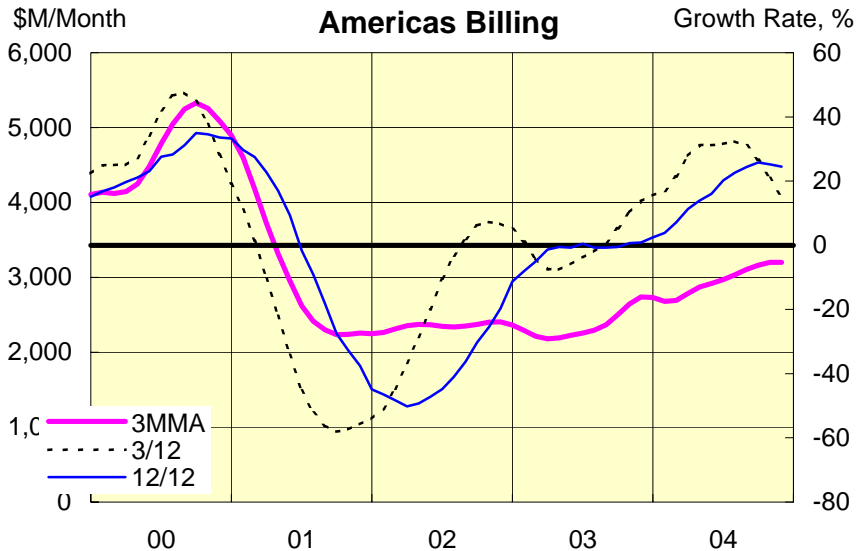
Europe Billing Growth Rate



Exchange Rate Growth Rate

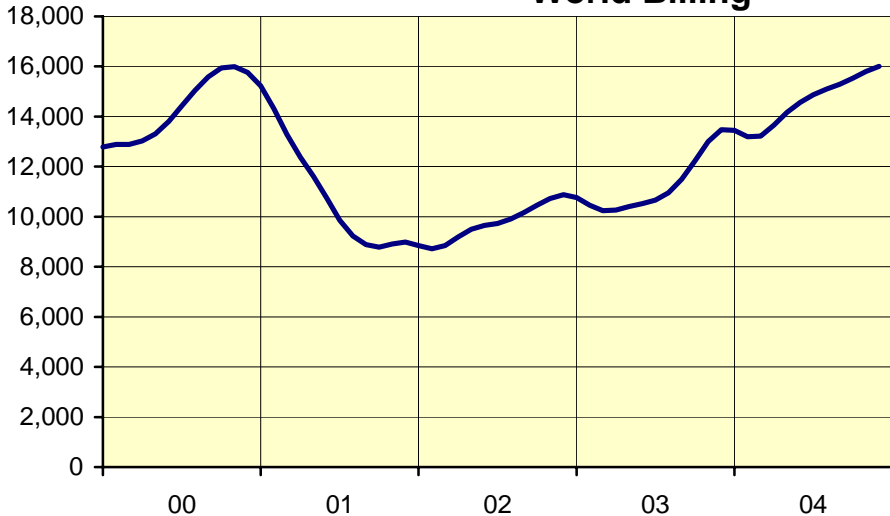






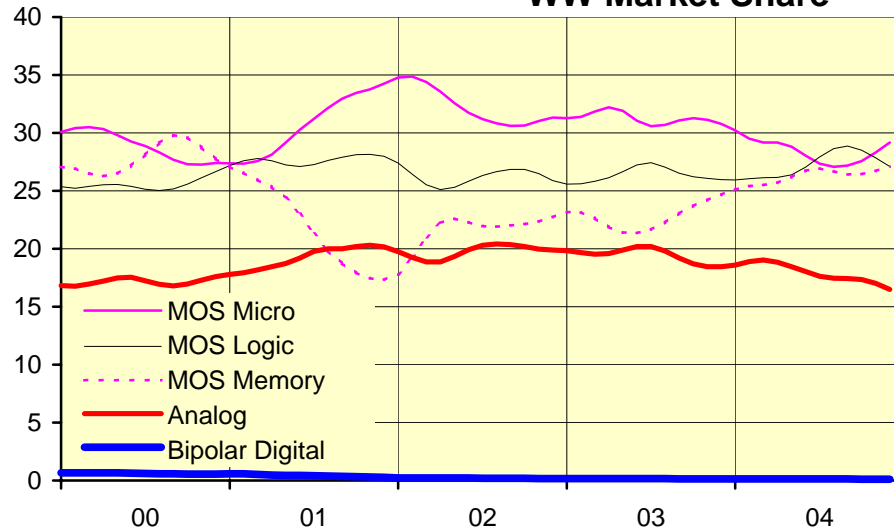
3MMA Billing, \$M/Mo.

World Billing



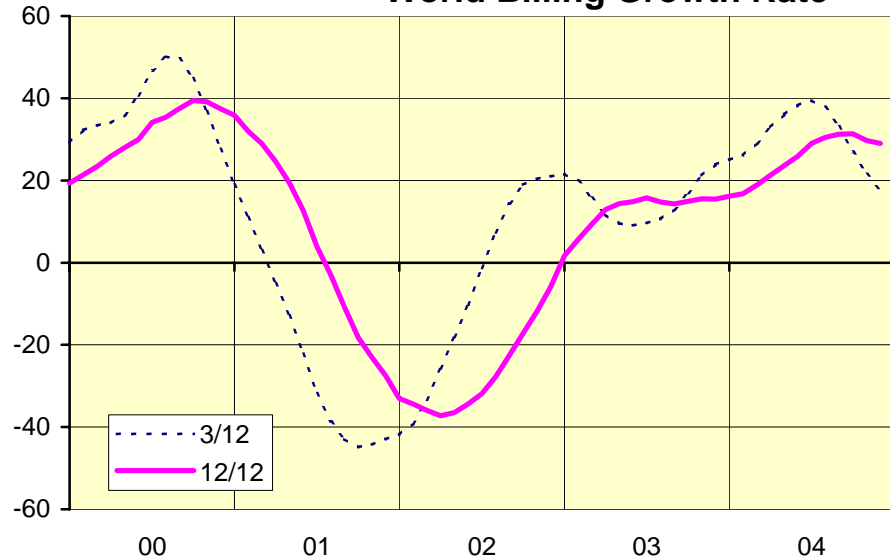
3MMA Market Share, % of WW Total

WW Market Share



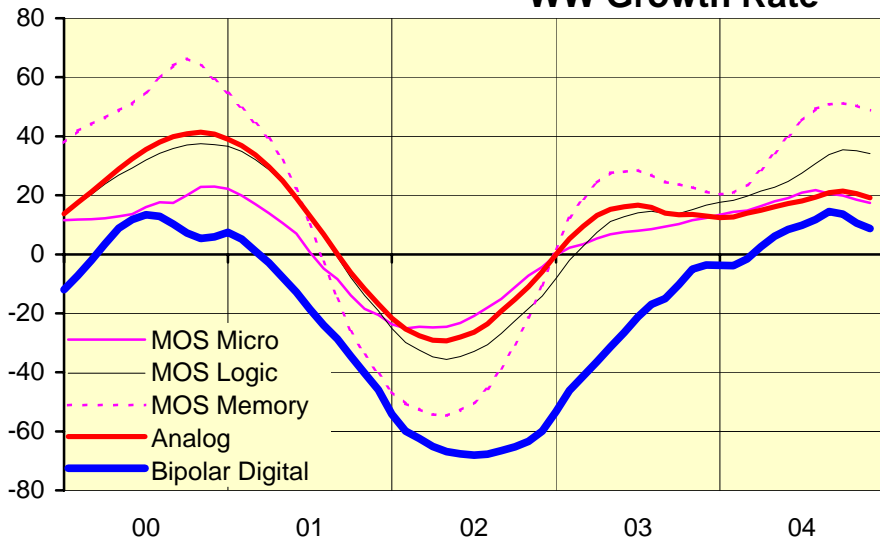
Growth Rate, %

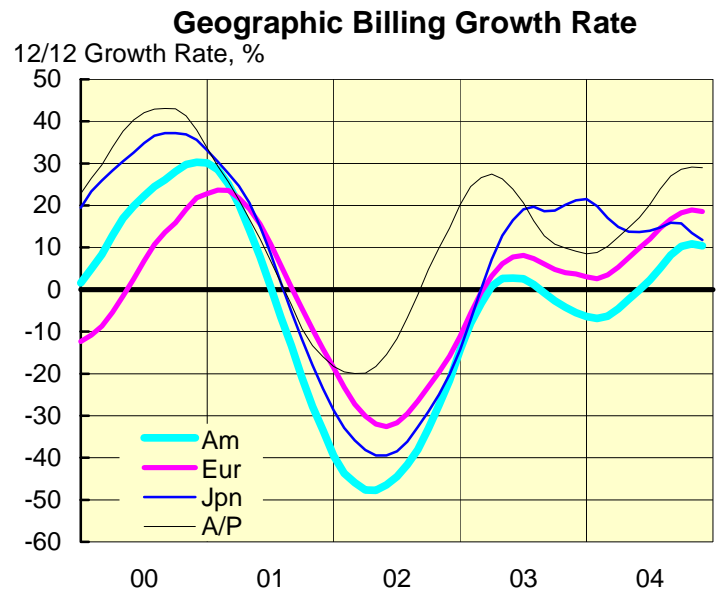
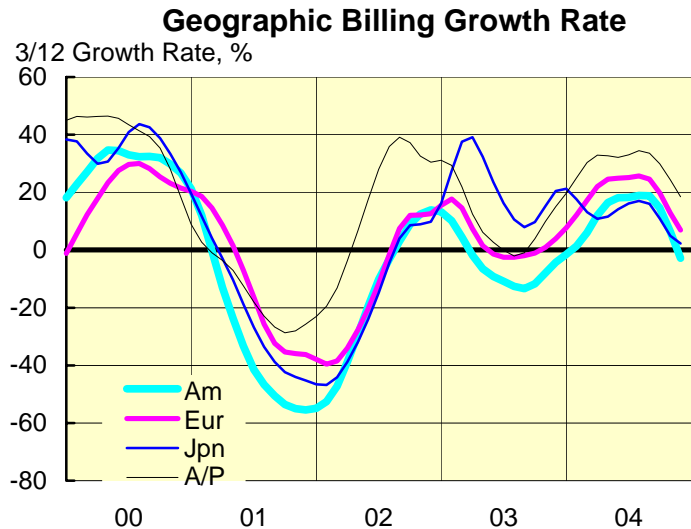
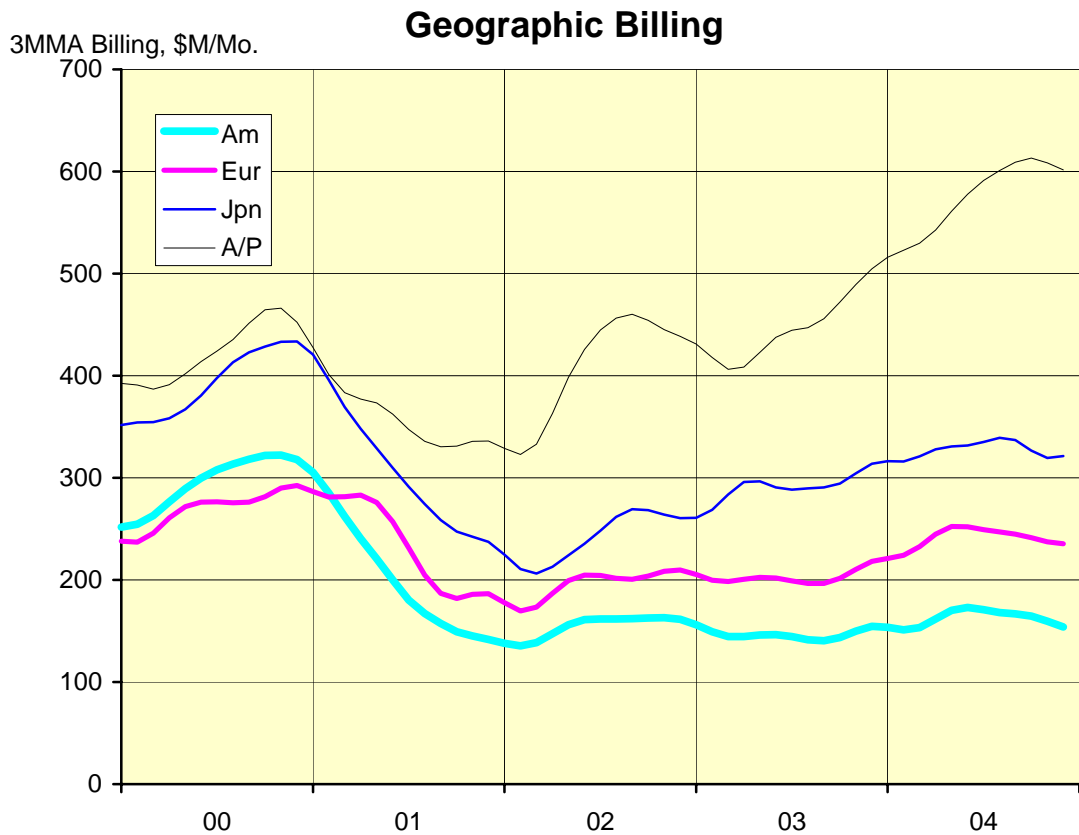
World Billing Growth Rate

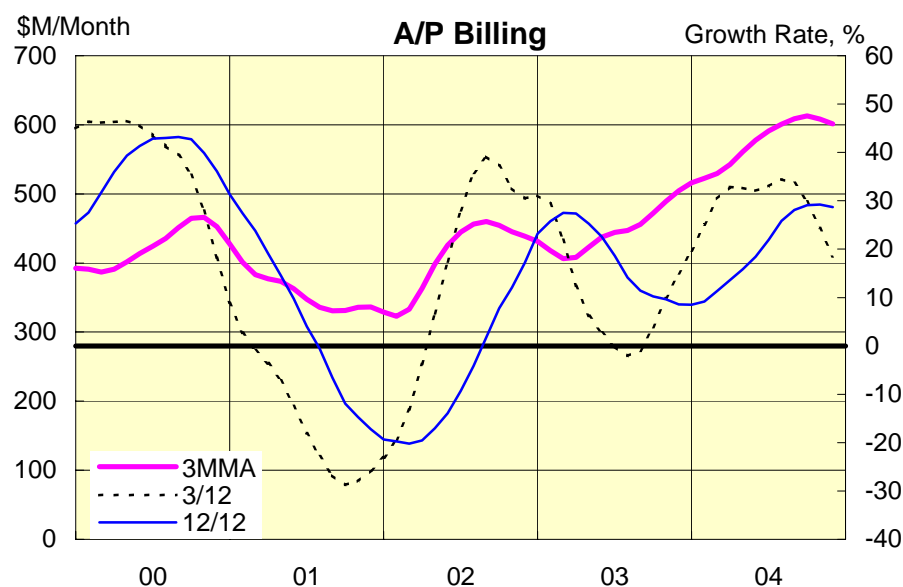
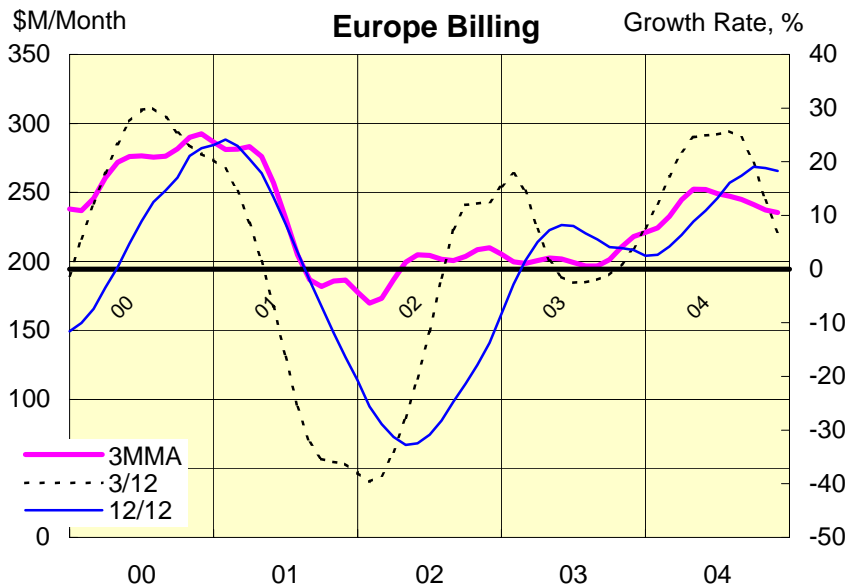
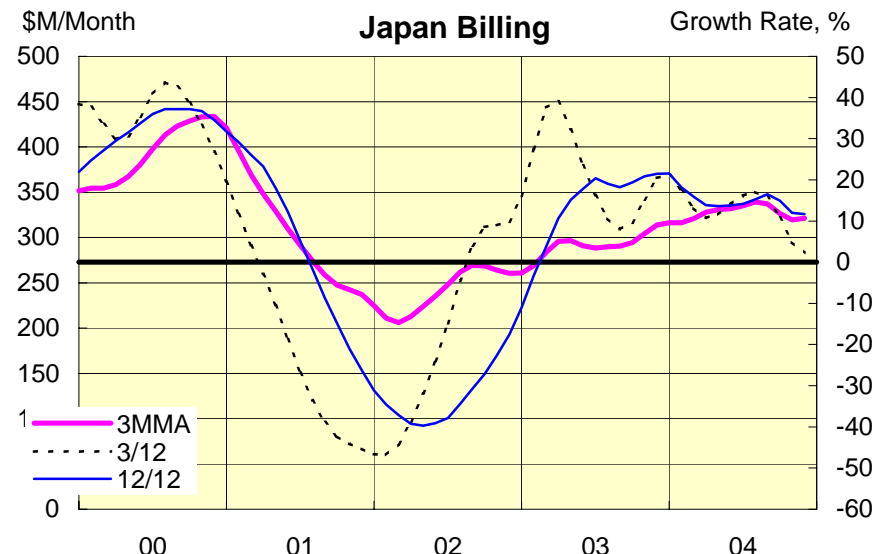
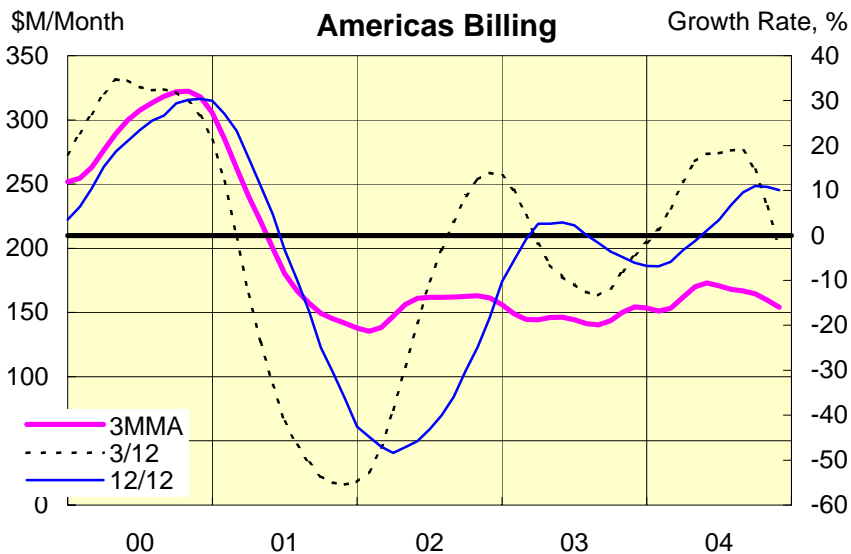


12/12 Growth Rate, %

WW Growth Rate

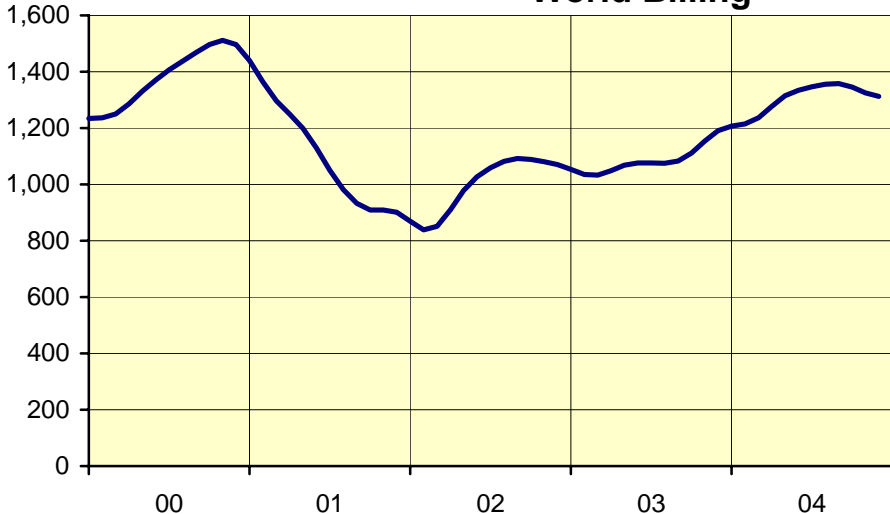






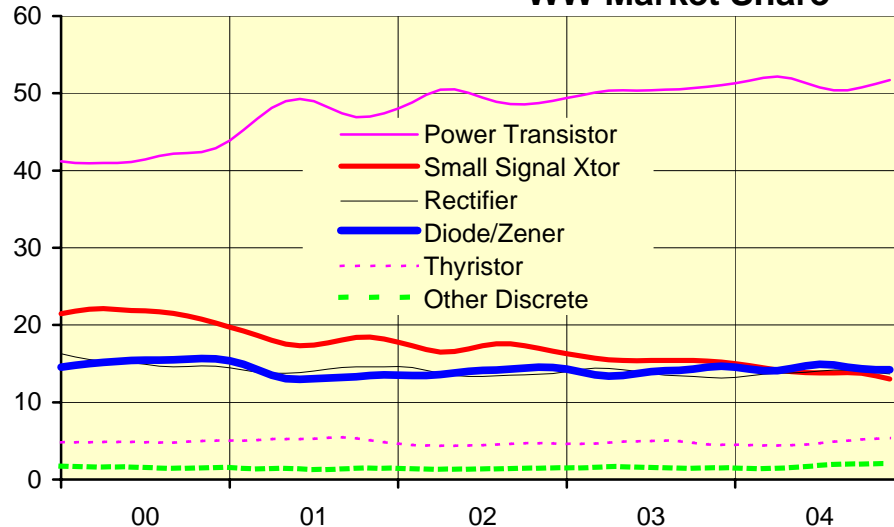
3MMA Billing, \$M/Mo.

World Billing



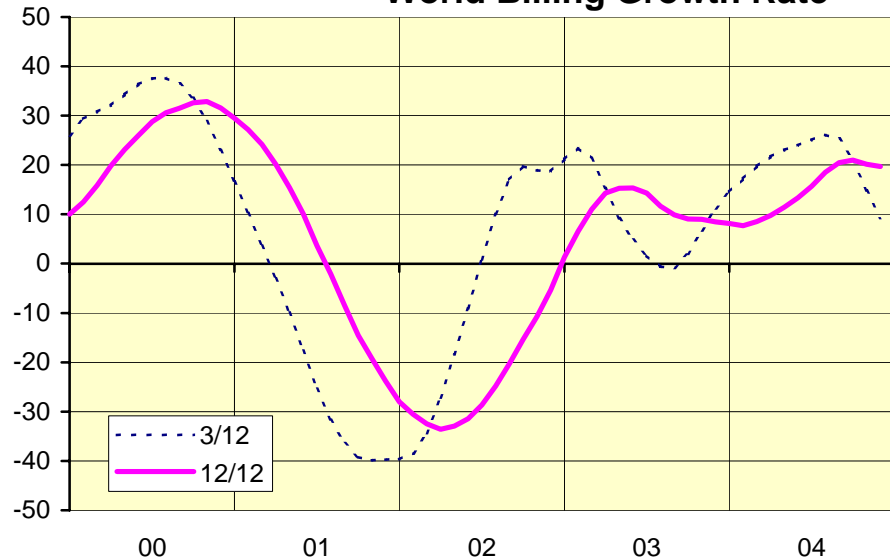
3MMA Market Share, % of WW Total

WW Market Share



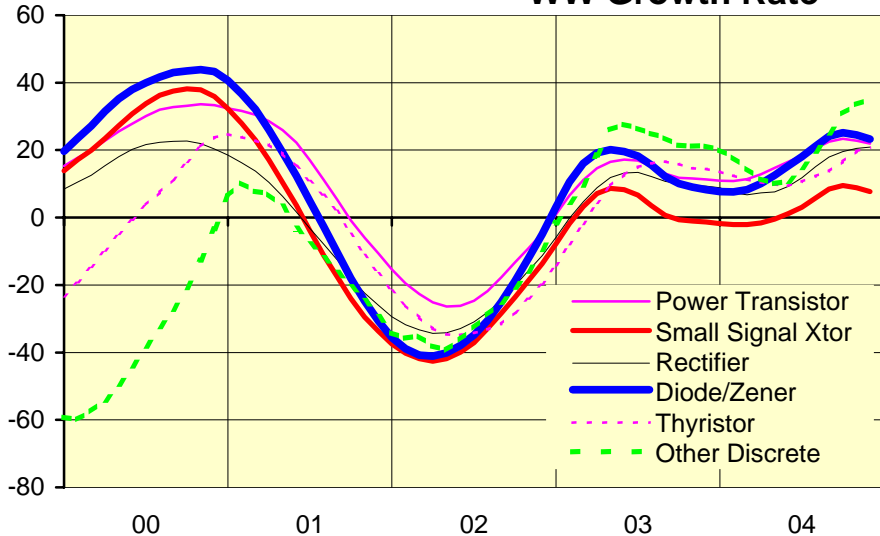
Growth Rate, %

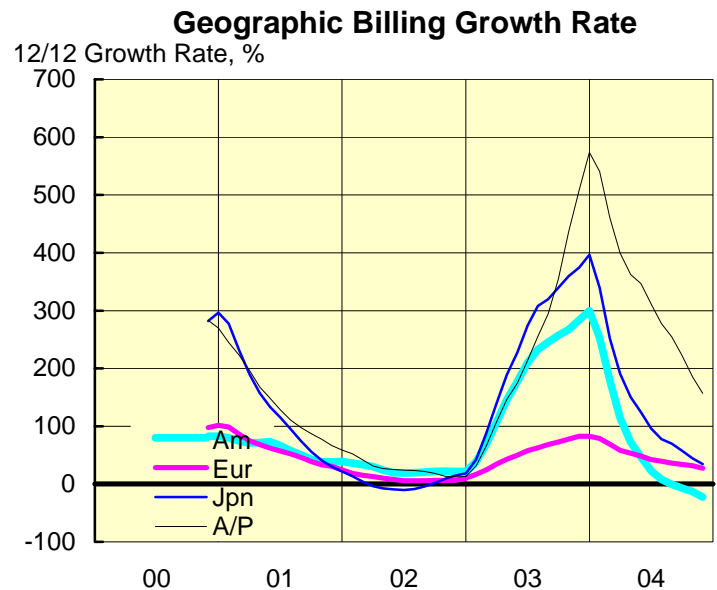
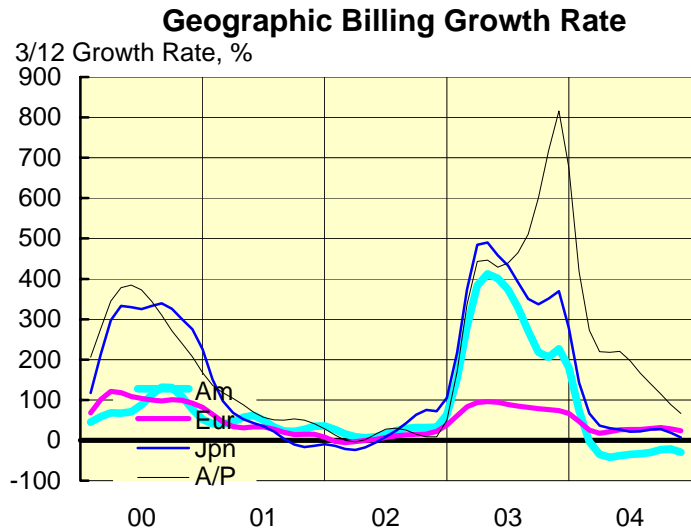
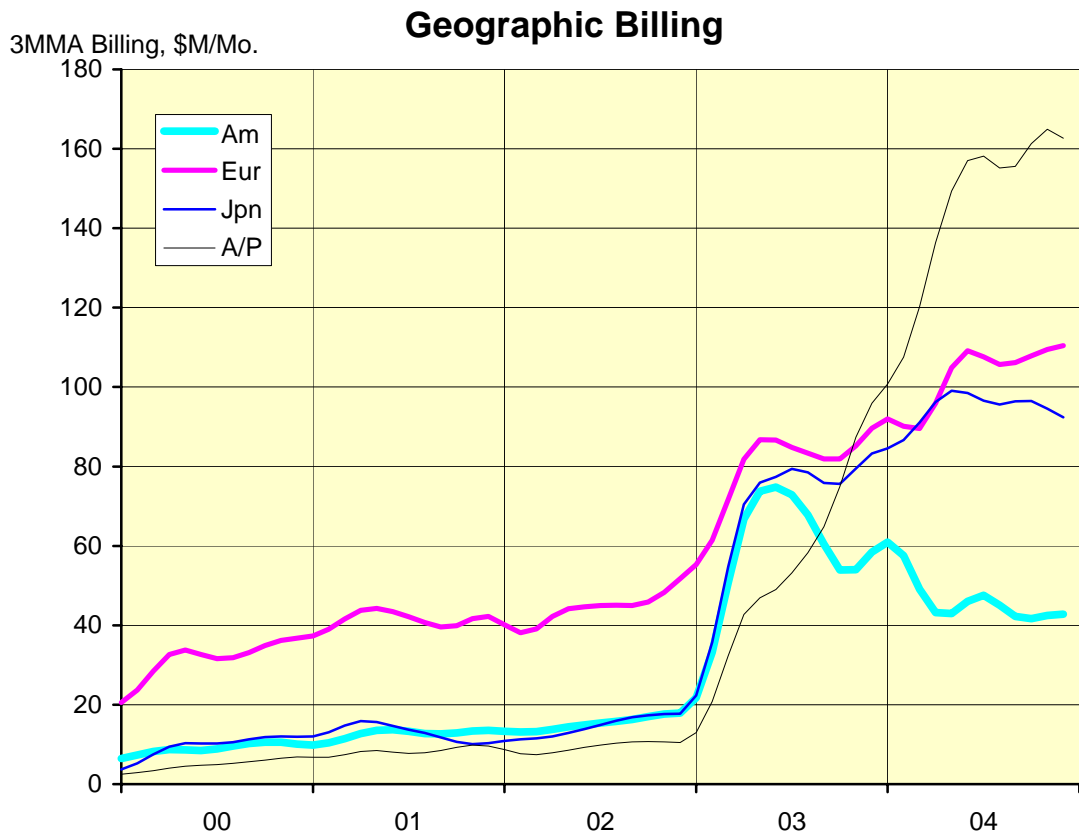
World Billing Growth Rate

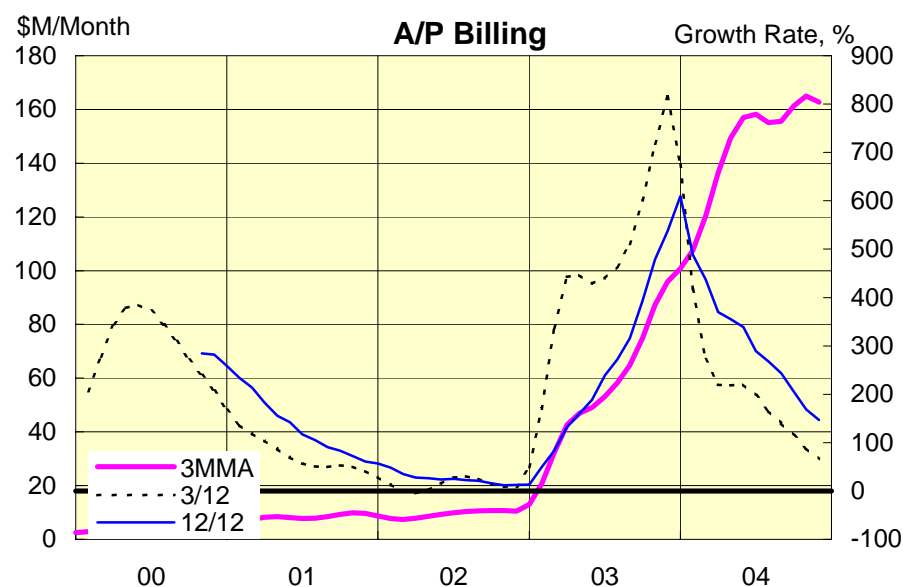
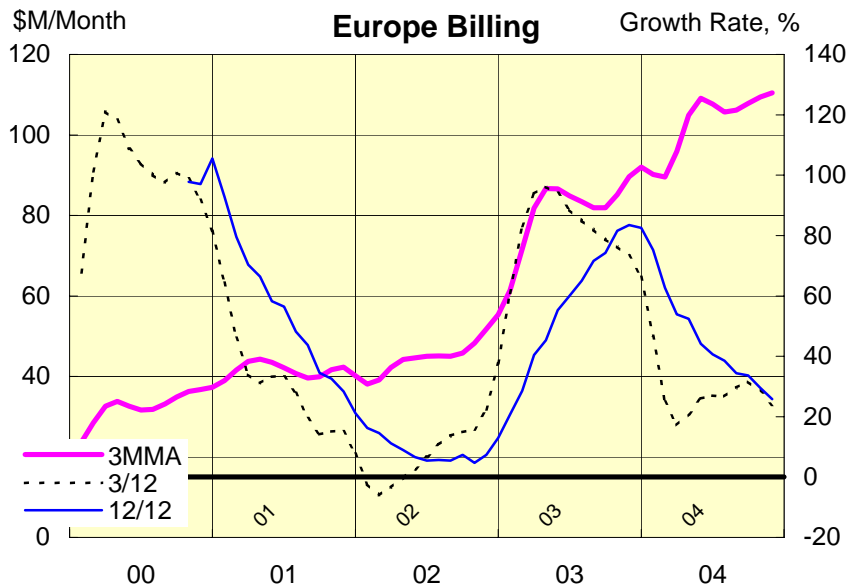
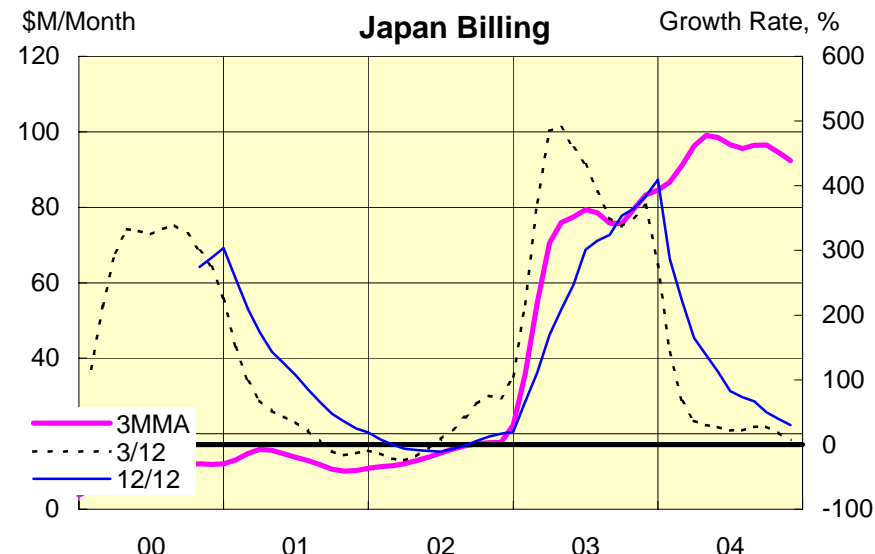
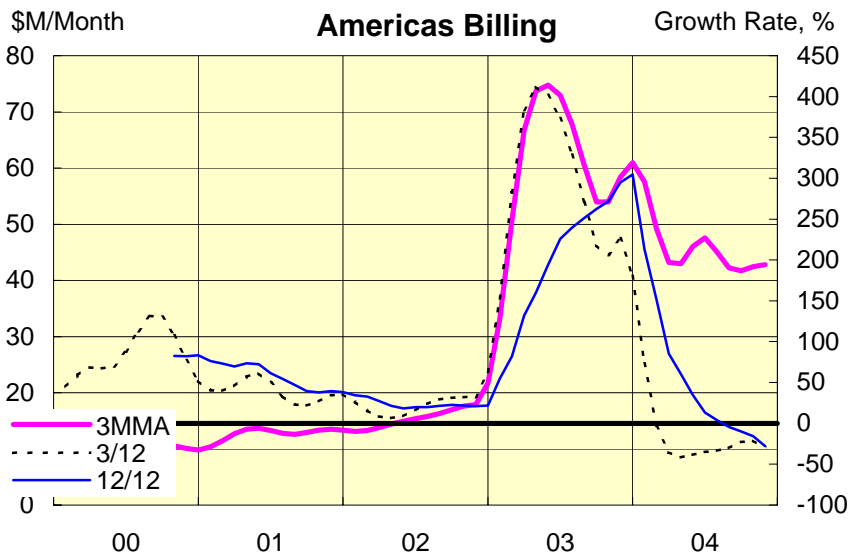


12/12 Growth Rate, %

WW Growth Rate

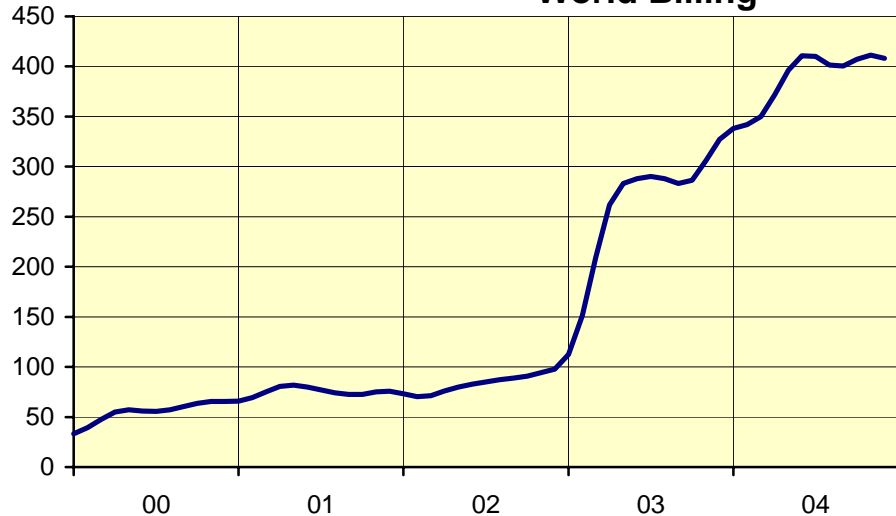






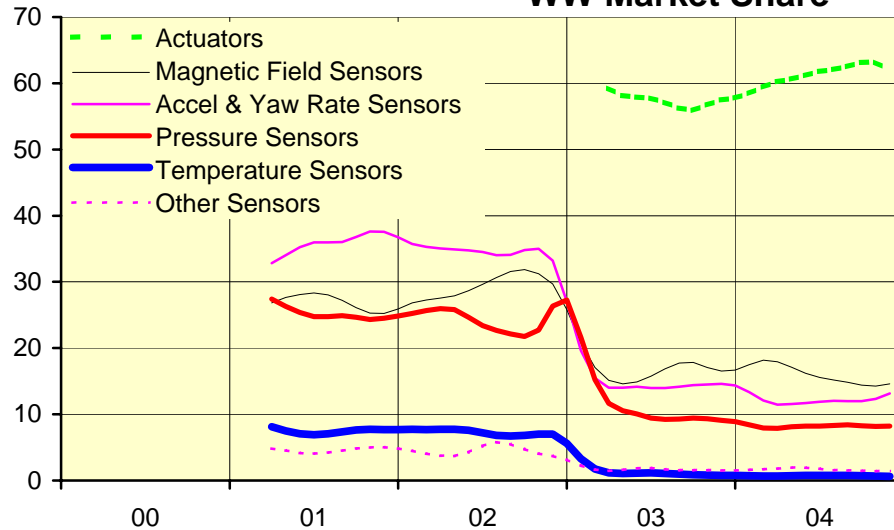
3MMA Billing, \$M/Mo.

World Billing



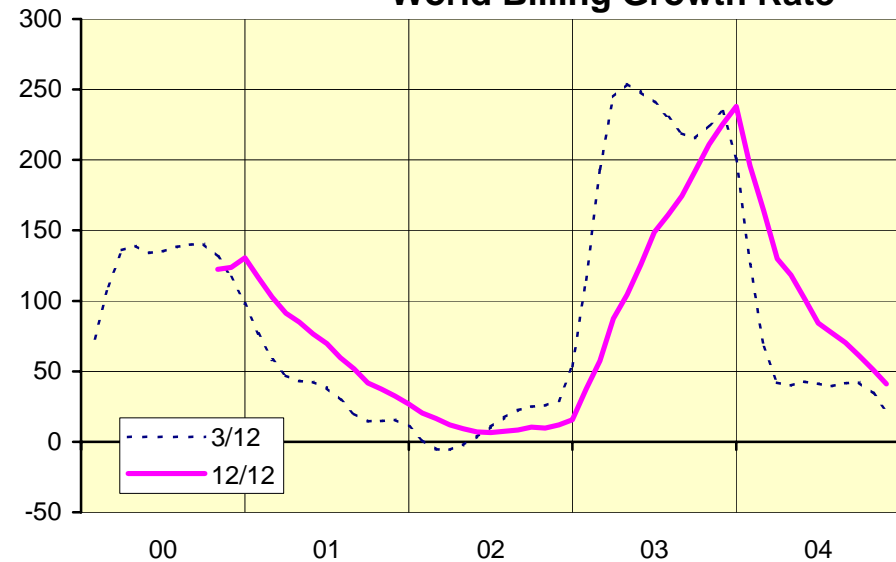
3MMA Market Share, % of WW Total

WW Market Share



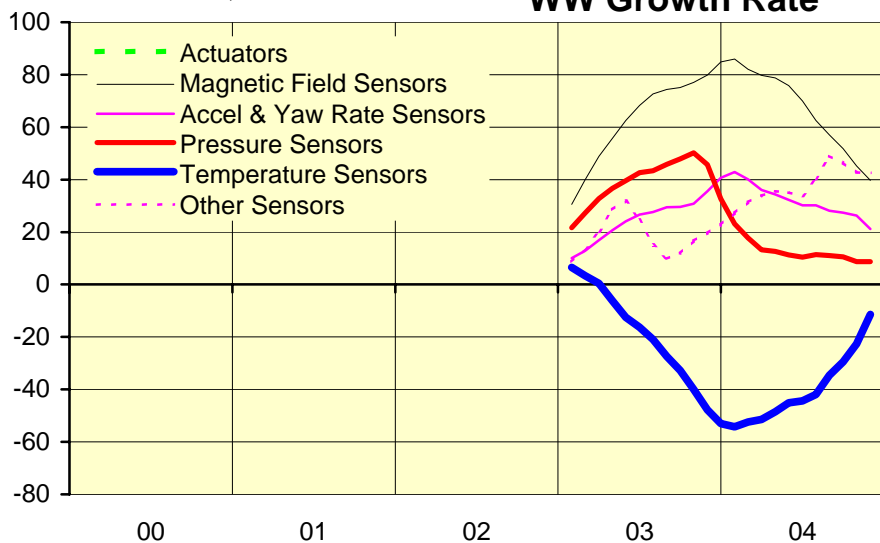
Growth Rate, %

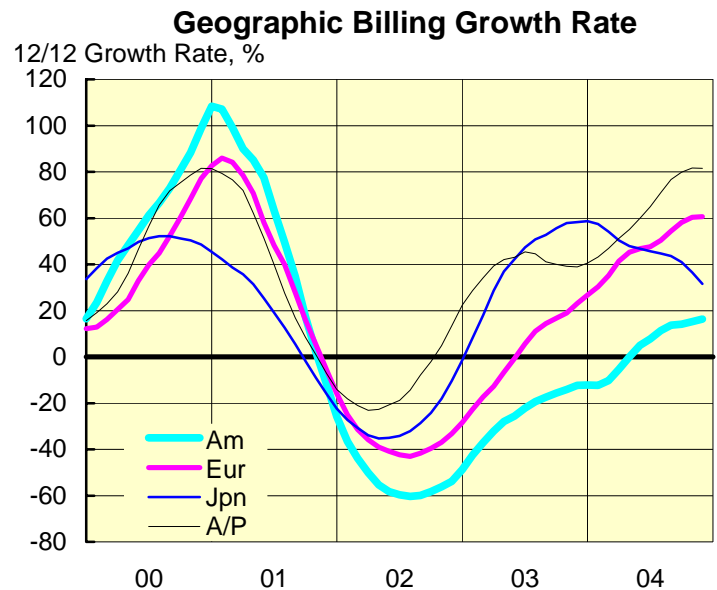
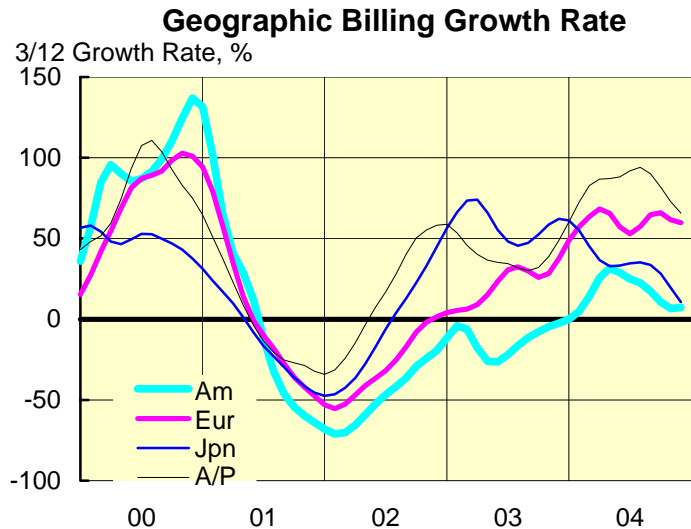
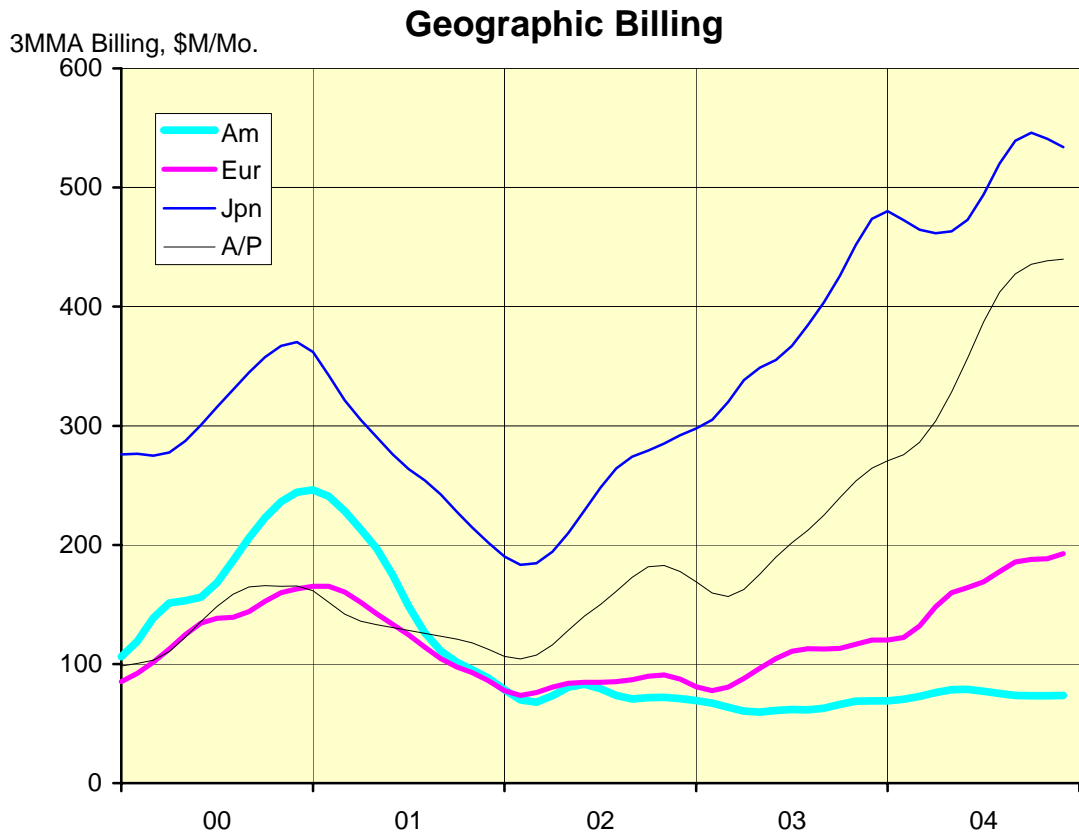
World Billing Growth Rate

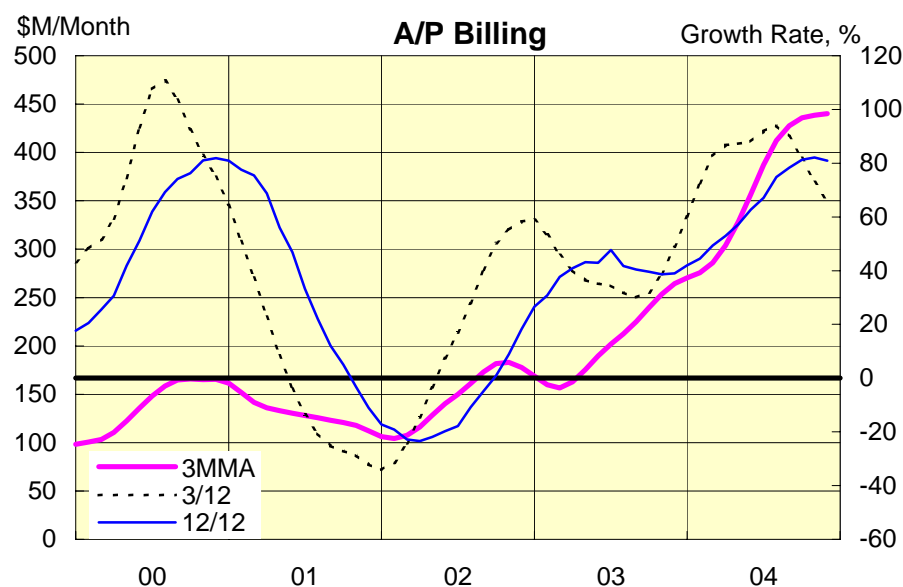
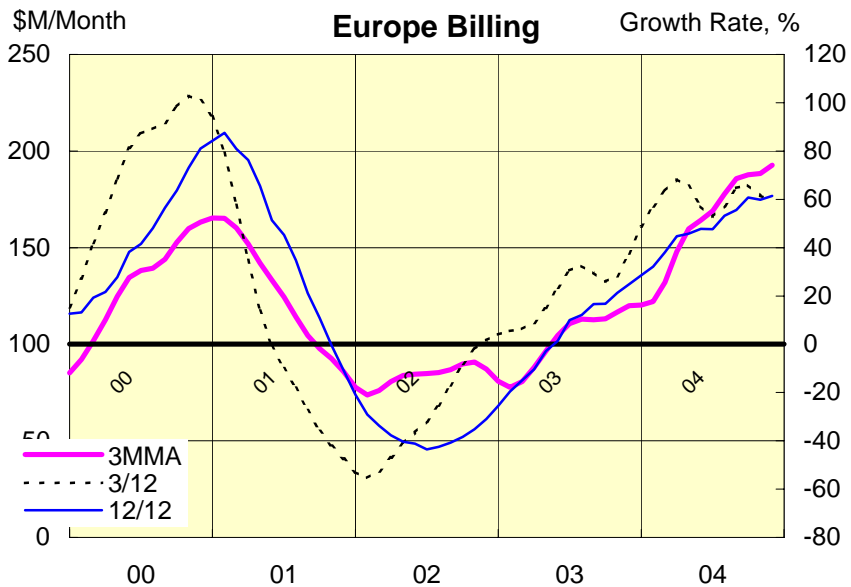
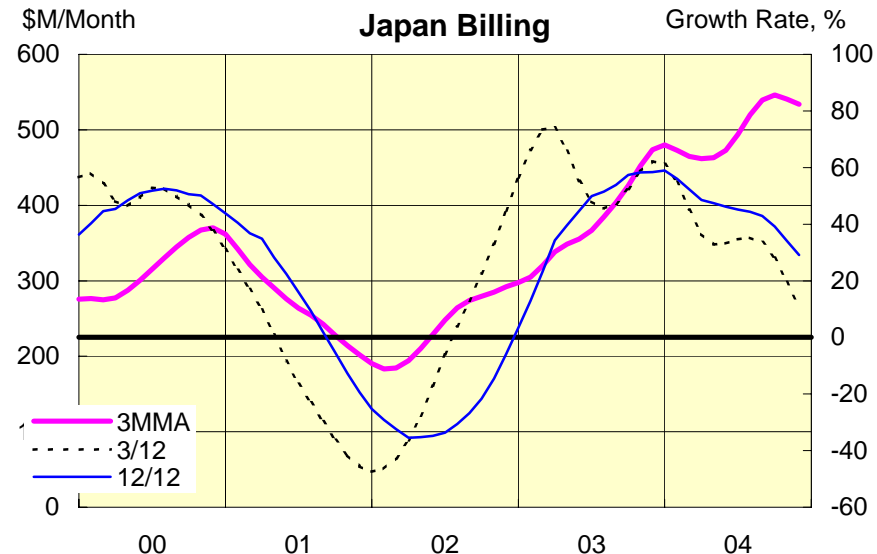
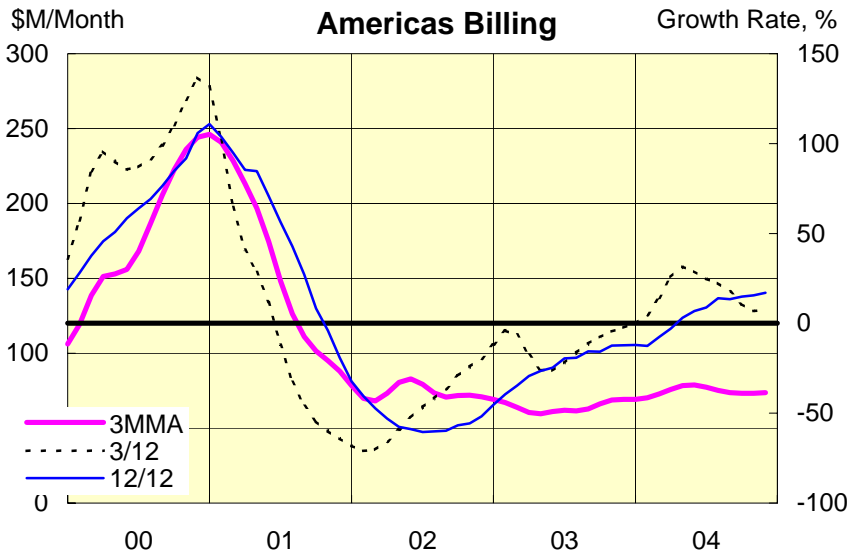


12/12 Growth Rate, %

WW Growth Rate

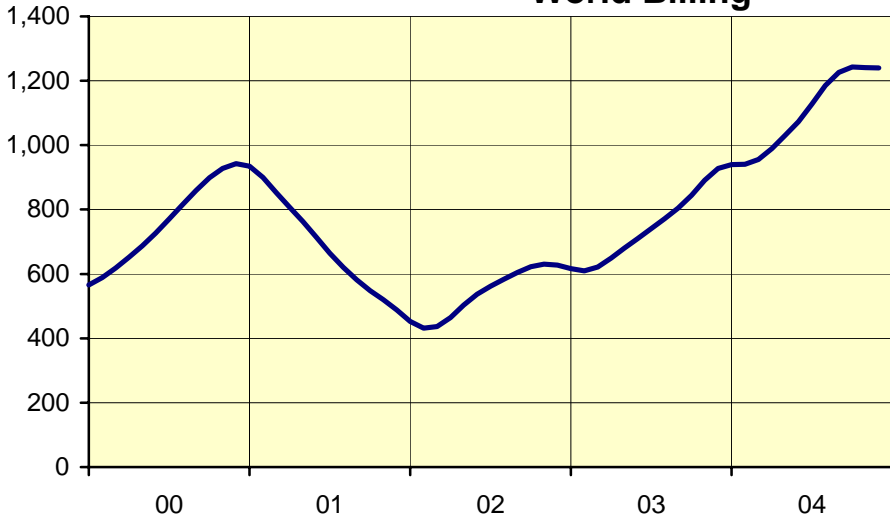






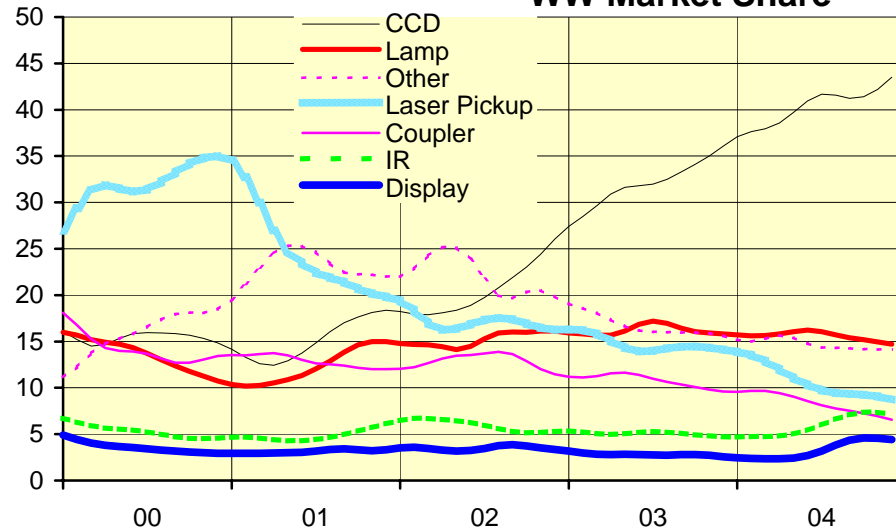
3MMA Billing, \$M/Mo.

World Billing



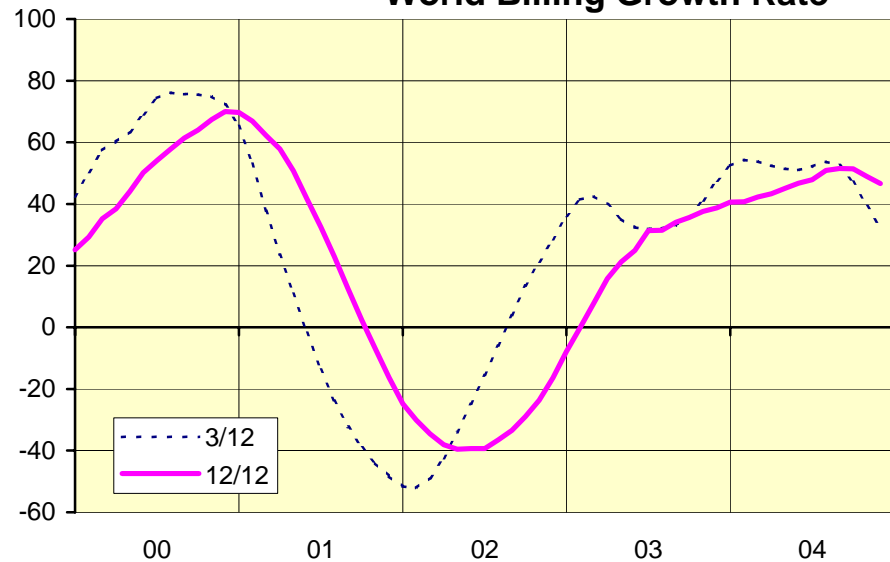
3MMA Market Share, % of WW Total

WW Market Share



Growth Rate, %

World Billing Growth Rate



12/12 Growth Rate, %

WW Growth Rate

