

## News on the Pay-Per-Call Model. Separately, Possible Changes at Google

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### ■ Small, but Interesting Step Forward for Pay-Per-Call

Earlier this week, Citysearch (with CIRXIT) announced the rollout of its PFP-Calls product. It allows merchants "to track business leads through the number of phone calls they receive". It works by placing a toll-free phone number wherever the advertising is listed. This does not yet generate calls through a mouse click, but it is a step forward for local search and the pay-per-call model.

### ■ Pay-Per-Call Could be Important for Local Search

We are in the early stages of the pay-per-call model. We think it is particularly important for local businesses that don't necessarily have a Web presence, but want to participate in search ads (many place a greater value on a call than a Website visit). This model also helps blur the lines between yellow pages and online ads.

### ■ Separately, We Expect to See New Limits on Google Affiliates

Currently, there are no limits on the number of sponsored links to the same URL that appear for a keyword. GOOG is likely to limit this so that duplicates disappear. E.g., if you search for a term, you may see multiple sponsored links to the same URL (e.g., multiple links to eBay.com, almost always placed by eBay affiliates). We expect GOOG to limit it so that each URL has only one link.

### ■ Google Advertising for One of Its Own Products

We believe that this is among the first times GOOG is advertising directly to consumers.

## Pay-Per-Call Model

We think Citysearch's announcement earlier this week that it was rolling out its PFP-Calls product is an important step forward for the pay-per-call model. While it is very early in the evolution of the pay-per-call model, we think that as it matures, it will be an important driver for local search, particularly as it relates to shifting yellow pages dollars online.

In the case of Citysearch, the model works as follows: An advertiser chooses particular categories and locations (e.g., Restaurants, Manhattan) and Citysearch will place a trackable toll-free number wherever the ad appears on Citysearch. When a potential customer calls the business using that number, the business is charged a fee (the business places a monthly maximum they are willing to spend). Once the maximum is reached, the number is removed and Citysearch users must click through to reach the business's normal phone number (though the toll-free number still works).

This is an interesting first step for the pay-for-call model, but we think its potential could be much larger. The vision is for a consumer to be able to click on the link and be connected via voice to the business. This could happen either through the computer (though this will likely be limited by consumer reluctance and ability to navigate voice through the PC), or more importantly through a consumer's regular phone. The technology allows consumers to click on the link and then their phone rings while simultaneously ringing the phone of the desired business. We believe all businesses, but local in particular, may find this new model intriguing. Imagine how much more valuable it might be to a local restaurant to have a user call and make a reservation than to just click through to its Website.

This model also helps blur the lines between yellow pages and online advertising, as it is more relevant to the millions of local businesses that do not have a Web presence. We think it would be much more difficult to explain to a local dry cleaner why he needs to have a website, than it might be to try to sell him on the idea of paying for incoming calls. Again, we are in the early stages of this new model, but we believe its potential is worth watching. (UBS estimates that yellow pages advertising is a \$14 billion business in the U.S.)

## In Unrelated News, We Expect to See New Limits on Google Affiliates

Currently, there are no limits on the number of sponsored links to the same URL that appear for a keyword. We believe that Google is likely to limit this so that duplicates do not appear. Currently, if you search for a term, you may see multiple sponsored links to the same URL (e.g., eBay.com, almost always placed by eBay affiliates). We think Google may limit it so that only one eBay.com link would appear.

We note that Yahoo! already has such restrictions in place, and even goes a step further in not allowing affiliate marketers to place a link to any site they do not own (on Yahoo!'s sites, affiliate marketers generally put up landing pages instead and then attempt to move users to the target site). If we are unclear in this, go to Yahoo! and Google and do a search for the term "Mcafee". You'll notice that on Google, there will be multiple sponsored links to Mcafee.com, whereas on Yahoo! there will probably be either none or only one link directly to Mcafee.com. The multiple listings on Google come from affiliate marketers. We think multiple links to the same URL is not inline with Google's stated mission of organizing the world's information and making it universally accessible and useful.

We do not yet have a clear timetable for when this potential change might occur, or exactly what any new rules might be, but we would be surprised if it happened during the holiday season.

It is also unclear how a potential change by Google to move to rules more similar to Yahoo!'s regarding affiliate marketing might impact its revenue. On the one hand, limiting the number of times a URL can appear would likely increase the bidding for that keyword, but it might also decrease the number of ads on that page. At the end of the day, we think it should increase relevancy, as we believe too many relevant sponsored links are being "pushed out" by affiliates advertising the same URL.

If such a change in Google's affiliate ads were to move forward, we think it would likely impact Google's revenue in the short-term. By how much is hard to quantify, in our view, as we think it would be very difficult accurately estimate how many keywords would be affected. However, we think for the long-term integrity of the advertising network, something needs to be done.

## Google Advertising for One of Its Own Products

In our Web searching, we came across a banner ad for Google's Desktop Search product. We believe that this among the first times Google has advertised directly to consumers. The company confirmed that it is indeed running a small experimental test for the Desktop Search product.

## ■ Statement of Risk

Yahoo and Google generate the majority of their revenue from online advertising. Online advertising is a relatively new industry. There is risk that the industry could fail to grow for a variety of reasons. Yahoo and Google's businesses could suffer if the online advertising industry were to become depressed.

Yahoo and Google face significant competition from a large number of other companies, including Microsoft. They also face competition from smaller start-ups that are developing new competing technologies. Yahoo and Google's share of online advertising dollars could fall because of this competition.

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### UBS Investment Research: Global Equity Ratings Definitions and Allocations

UBS rating	Definition	UBS rating	Definition	Rating category	Coverage <sup>1</sup>	IB services <sup>2</sup>
<b>Buy 1</b>	FSR is > 10% above the MRA, higher degree of predictability	<b>Buy 2</b>	FSR is > 10% above the MRA, lower degree of predictability	<b>Buy</b>	41%	33%
<b>Neutral 1</b>	FSR is between -10% and 10% of the MRA, higher degree of predictability	<b>Neutral 2</b>	FSR is between -10% and 10% of the MRA, lower degree of predictability	<b>Hold/Neutral</b>	50%	33%
<b>Reduce 1</b>	FSR is > 10% below the MRA, higher degree of predictability	<b>Reduce 2</b>	FSR is > 10% below the MRA, lower degree of predictability	<b>Sell</b>	9%	27%

1: Percentage of companies under coverage globally within this rating category.

2: Percentage of companies within this rating category for which investment banking (IB) services were provided within the past 12 months.

Source: UBS; as of 30 September 2004.

### KEY DEFINITIONS

**Forecast Stock Return (FSR)** is defined as expected percentage price appreciation plus gross dividend yield over the next 12 months.

**Market Return Assumption (MRA)** is defined as the one-year local market interest rate plus 5% (an approximation of the equity risk premium).

**Predictability Level** The predictability level indicates an analyst's conviction in the FSR. A predictability level of '1' means that the analyst's estimate of FSR is in the middle of a narrower, or smaller, range of possibilities. A predictability level of '2' means that the analyst's estimate of FSR is in the middle of a broader, or larger, range of possibilities.

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**Rating/Return Divergence (RRD)** This qualifier is automatically appended to the rating when stock price movement has caused the prevailing rating to differ from that which would be assigned according to the rating system and will be removed when there is no longer a divergence, either through market movement or analyst intervention.

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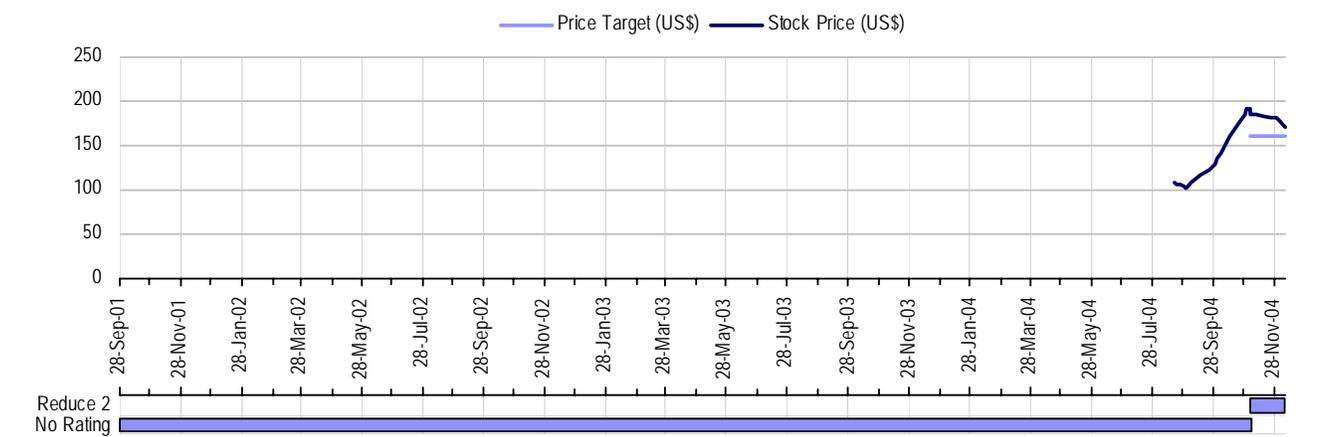
### Companies mentioned

Company Name	Reuters	Rating	Price
Google Inc. <sup>2,5,13,16</sup>	GOOG.O	Reduce 2	US\$169.98
Yahoo Inc. <sup>16</sup>	YHOO.O	Neutral 2 (RRD)	US\$37.05

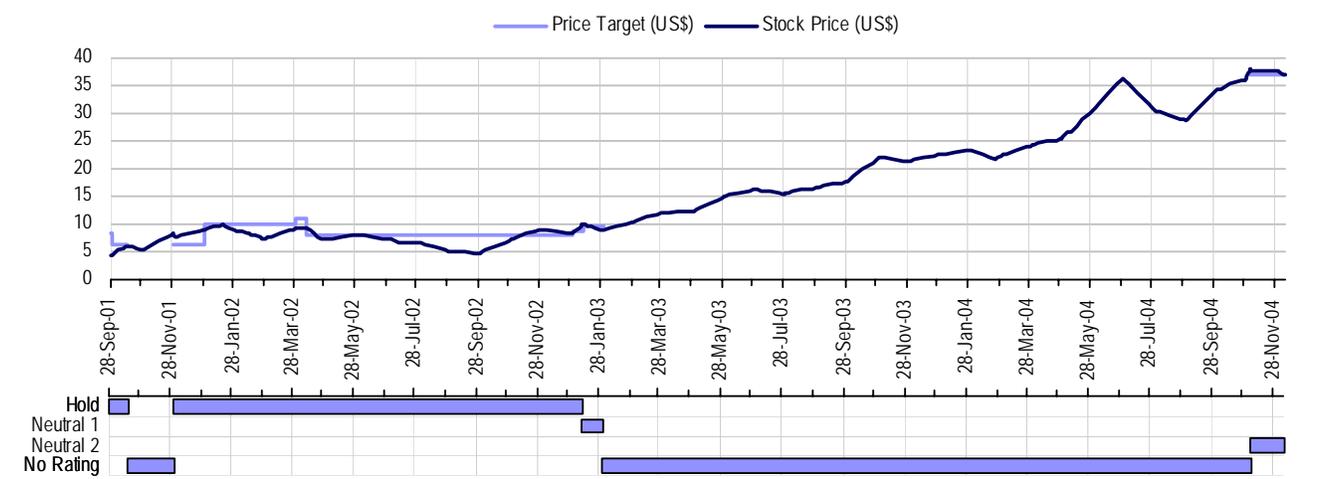
Price(s) as of 8 December 2004. Source: UBS.

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### Google Inc. (US\$)



### Yahoo Inc. (US\$)



Source: UBS; as of 8 December 2004.

Note: On October 13, 2003, UBS adopted new definition criteria for its rating system. (See 'UBS Investment Research: Global Equity Ratings Definitions and Allocations' table for details.) Between January 11 and October 12, 2003, the UBS ratings and their definitions were: Buy 1: Excess return potential > 15%, smaller range around price target; Buy 2: Excess return potential > 15%, larger range around price target; Neutral 1: Excess return potential between -15% and 15%, smaller range around price target; Neutral 2: Excess return potential between -15% and 15%, larger range around price target; Reduce 1: Excess return potential < -15%, smaller range around price target; Reduce 2: Excess return potential < -15%, larger range around price target. Prior to January 11, 2003, the UBS ratings and definitions were: Strong Buy: Greater than 20% excess return potential, high degree of confidence; Buy: Positive excess return potential; Hold: Low excess return potential, low degree of confidence;

Reduce: Negative excess return potential; Sell: Greater than 20% negative excess return potential, high degree of confidence. Under both ratings systems, excess return is defined as the difference between the FSR and the one-year local market interest rate.

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