Industry Update - April 2008

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Industry Update Topics

- Payforit
 - Update and operator status
- Transcoders
 - What's all the fuss about?
- Search Companies
 - Google, Yahoo
- Device technology
 - The iPhone effect
- Smartphone growth
 - How to operate in a Blackberry world
- Data charges
 - Bundles, zero rated trials





The Payforit user experience

User navigates your mobile site

Bango collects payment for content

You provide download page











- Operator-like shopping experience
- Billing within the WAP session
- UK Payforit compliant

- No hidden costs
- T&Cs clearly displayed
- Build consumer trust



Payforit update



<u>Operator</u>	Enabled on Bango	Payforit Compliance Deadline	Opt-in box rules	Benefits of using Payforit
3 UK	V1.3	Expect within 3 months	Not normally pre- checked (unless prev. notified)	All on-portal advertising must lead to PFI billed services
O2 UK O ₂	V1.3	Mandated 1st Sept 2007 (All WAP services)	Must not be pre- checked	No red cards!
Orange UK	V1.3	Expect within 3 months (In progress)	Must not be pre- checked	1)Must use PFI to access Orange "Direct Bill" 2) MSISDN passing
T-Mobile UK T - Mobile	V1.3	Mandated 1st Sept 2007	Can be pre-checked	Must use PFI to access T-Mobile "TPG" billing
Virgin Mobile UK	V1.3	Expect within 6 months	Must not be pre- checked	
Vodafone UK O vodafone	V1.3	Mandated from 18 th April 2008	Can be pre-checked	1)All on-portal advertising must lead to PFI billing. 2) Higher payouts for PFI

Bango continually improves Payforit compliant user flow



Safe Payforit subscriptions

- Easy to set up with Bango
- Easy sign up for the customer
 - Clear price display
 - Clear subscription period display
- On-handset subscription management
 - My Subscriptions
 - View payment history
 - Cancel
 - Reinstate
- Payforit compliant



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Mobile Transcoders

"How To Make a Transcoder:

- Step 1 Use proxy server to anonymously grab content from the web
- Step 2 Remove all JavaScript and embedded objects (i.e. advertising)
- Step 3 Remove all colors, formatting and layout (i.e. branding)
- Step 4 Cut up into unusably sized pieces (small or large) and deliver to user
- Bonus Point Don't reduce images or remove them all together
- Bonus Point Add your own logo and/or copyright notice on page "

With thanks to Mowser

"Different people tackle the problem in different ways

- Apple: Adapt the phone to the web.
- Opera: Adapt the web to the phone.

But then, there's a third option: Bulldoze everything with a transcoder, including sites which are already mobile, and don't shed a tear for the casualties."

With thanks to taptology



Mobile Transcoders

- What they do
 - Take any website and adapt it for mobile (allegedly)
 - Add operator navigation
- Why some operators have adopted them
 - Increase the number of sites available to their subscribers
 - Make the mobile a more useful tool
- The main companies
 - OpenWave OpenWeb product
 - Novarra Vision product
- How to ensure you don't get into trouble
 - Get Whitelisted
 - Complain loudly if you have a proper mobile site
- Spanish market is recovering



Y oneSEARCH ®

Search Companies in Mobile

Google



- Focus on Android appears to be at the cost of mobile search and other activities
- "Control the handset approach"
- Yahoo



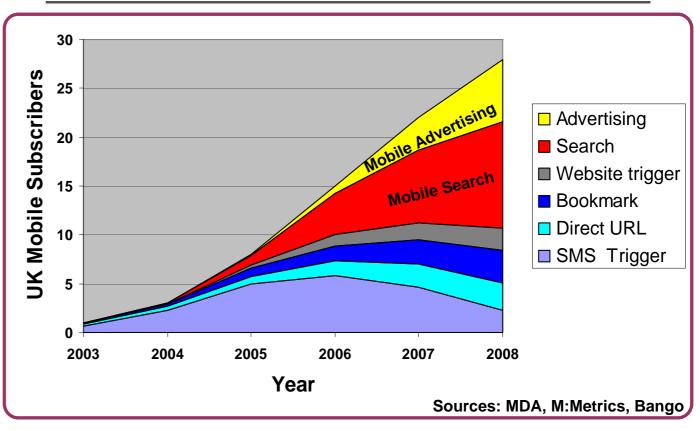
- Launched "Panama" better mobile tools but not yet bedded down
- OneSearch updated
- Yahoo Go launched
- "Mobile Web approach"
- Microsoft
 - Bought Motionbridge and working on integration
- Several others:
 - Jumptap, Medio, Taptu



Mobile Advertising

- Google
 - Mobile Adwords
- Yahoo
 - OneSearch PPC results
- Admob
- Medio
- Admoda
- Mkhoj
- Screentonic
- MADS
- Quattro Wireless
- Plus many more

<u>Direct to consumer market – access methods 2003-2008</u>





The iPhone – a must have gadget for technophiles

Attributes

- Fantastic user-interface
- Superb photo viewer
- Excellent applications
- Great music player
- Good browser (on WiFi)
- Reasonable camera
- Mediocre phone
- Poor games console
- Terrible for security

Effects

- Encouraged mobile web browsing
- Has made the other handset manufacturers wake up and listen to user feedback. New devices on their way in 2008:
 - LG Voyager; Nokia "Tube"; Sony Ericsson "Cybershot phone"





Smartphone growth

Popular due to:

- Email anywhere anytime
- Full keyboard
- 2.5G/3G/WiFi

Challenges:

- Don't always use operator WAP gateway
- Flip between connections 3G & WiFi
- Users have to register or log-in
- Bango is lobbying operators so we can automatically identify Smartphone and Blackberry type devices.









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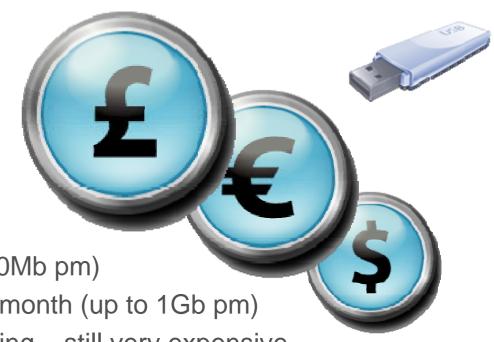
Data charges

UK Data tarrifs

- Most operators have several plans
- "Stop the clock" is popular;
 - £1 per day (Vodafone & T-mobile)
 - £2 per day (Orange)
- O2 "bolt-ons" £7.50 per month (up to 200Mb pm)
- T-Mobile "Web'n'Walk" from £22.50 per month (up to 1Gb pm)
- Virgin Mobile £5 per Mb off-portal browsing still very expensive

Trends

- Data bundle is becoming a big part of the mobile sales pitch
- There are a few trials with wholesale data tariffs.
 - Zero rated to the consumer, these are an interim tactical step.
 - Hard to explain to consumers when it differs by operator.



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Q and A