When Reality Meets the Mobile Imaginary: Exploring Constraints in Mobile Technology Use

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http://www.materialities.ca/

imaginaries

- utopic future? possibility?
- start with the here and now:
 - mobile
 - seamless connectivity
 - easy to use
 - accessible
 - affordable
- framework of constraints
- location of remedies



Facebook Zero app for 'feature' phones: https://mobilicity.ca/support/fbzero/What-is-the-Facebook-Zero-App/
Opera browser on Android mobile
Apps on iPod touch/iPhone/iPad
laptop plus wifi (St John, New Brunswick)



Duracell's wireless charger. Requires 'power sleeve' for each device, and wired connection for charging pad. http://www.duracell.com/en-US/product/mygrid-kits-iphone.jspx

does this help?

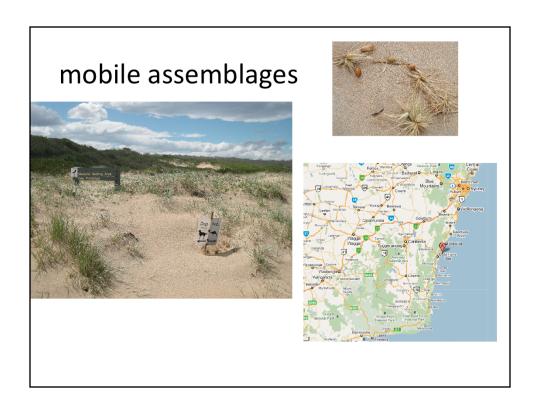


(Credit: Wikimedia Commons)

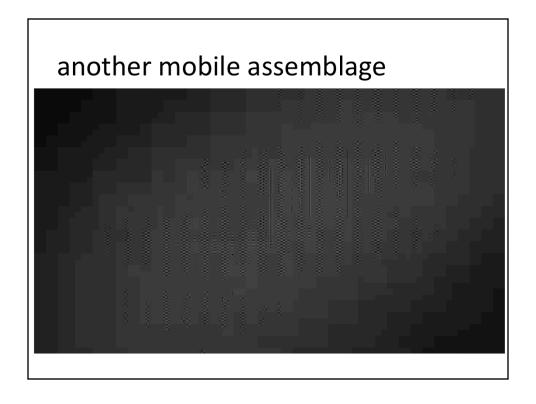
EU standard

charger initiative

http://ec.europa.eu/enterprise/sectors/rtte/chargers/index_en.htm



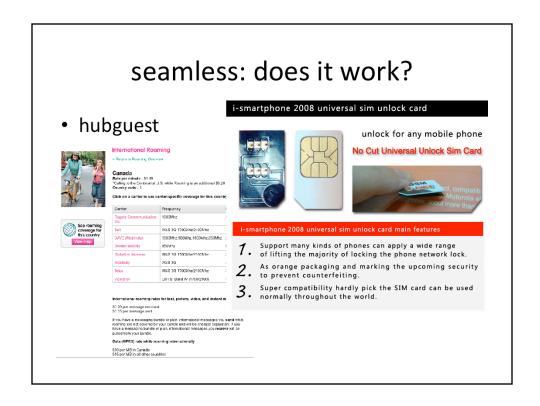
Getting broadband to the beach, Depot Beach, NSW, Australia. http://geobray.com/2010/01/19/broadband-3g-from-the-beach/



Video: http://geobray.com/2010/01/19/broadband-3g-from-the-beach/

what's in your assemblage/ensemble?

A mobile assemblage: Laptop, iPad, 2 iphones, 3 mobile broadband connections, portable router (battery powered), router. Photo: George Bray



t-mobile roaming plans to Canada sim card for use in multiple countries

seamless: does it work?

Telus To Unlock Devices Beginning February 15 For \$50

BY EX ON FEBRUARY 6TH, 2011



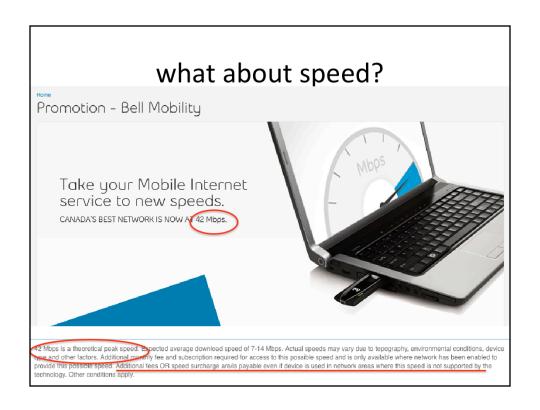
This week, Telus announced that the wireless company will be unlocking their IDEN/HSPA+ devices as of February 15, 2011 for a \$50 fee.

At first glance, this seems similar to the Rogers/Fido unlocking policy, but there is one major difference. The Telus unlocking policy is more flexible, not requiring customers to be on their contract for the full three year term before allowing the unlock.

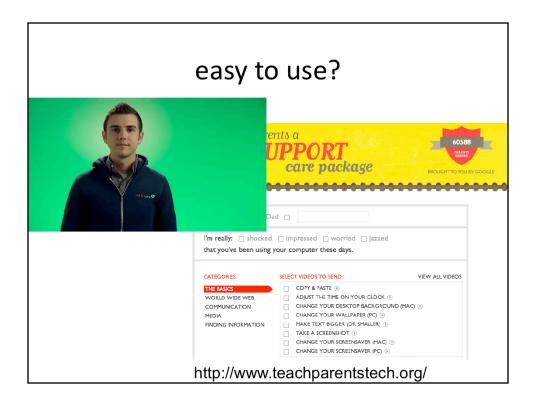
Device unlocking applies to TELUS postpaid SIM -based devices that operate on the Telus IDEN and HSPA+ postpaid networks and meet the following conditions:

- The device must be in post-paid (paying a monthly bill or on a contract. Not a Pay and Talk customer) status for a minimum of 90 days.
- The device must be in post-paid status for a minimum of 90 days.

not easy to use a Canadian phone in other countries, it must be unlocked first, for a fee



bell.ca

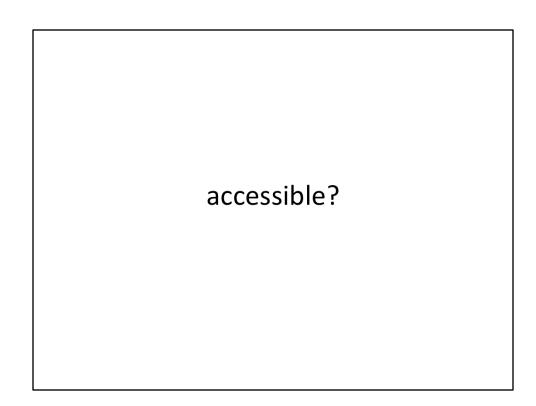


http://www.teachparentstech.org/

easy to use?

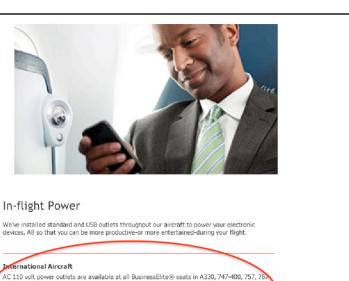


Teaching Pop Pop How to Use His Cell Phone: http://www.youtube.com/watch?v=PX2attmH3Q8http://www.youtube.com/watch?v=PX2attmH3Q8





mobilicity.ca: competitive plans in a limited footprint



AC 110 volt power outlets are available at all BusinessElite® seats in A330, 747-400, 757, 76 300ER, 767-400ER, and 777 aircraft. These outlets are also available in the first 10 rows of Economy Class on A330, 767-400ER and 777 aircraft, as well as select 757 and 767-300ER aircraft.

Domestic Aircraft

Standard power outlets are available at First Class seats on select 737 and 757 aircraft, and all 767-300 signaft.

USB ports are available at all seats on 737-700, 737-800, 757-200, 767-300, 767-400ER, and 777-200ER and LR aircraft that feature **Delta on Demand**.

wrong class?

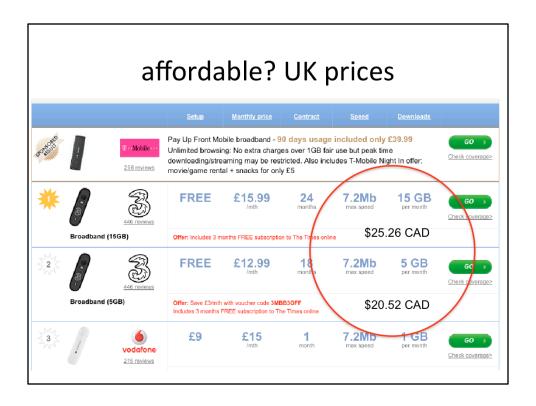
Delta airlines in-flight power: http://www.delta.com/traveling_checkin/ inflight_services/products/power.jsp



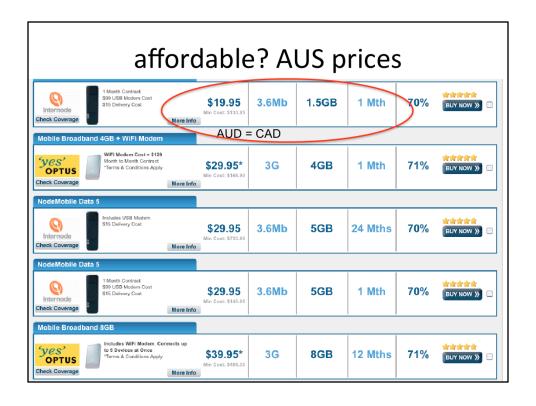
Delta airlines in-flight power: http://www.delta.com/traveling_checkin/inflight_services/products/power.jsp



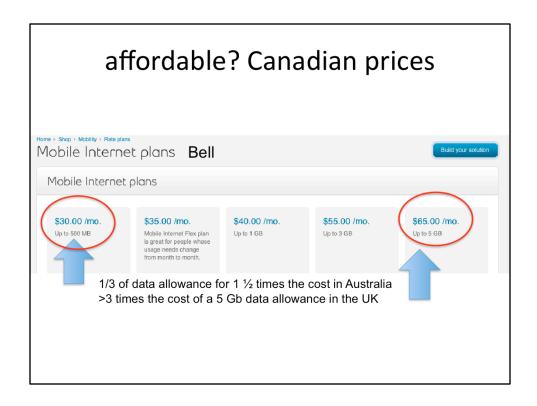
Usability for those with low vision or motor control issues: http://www2.emporia.at/en/products/



as at Feb. 11, 2011



as at Feb. 11, 2011



as at Feb. 11, 2011

locations of constraint (generic?)

- user-device interface
 - locked devices
 - form factor constraints (e.g. size, keyboard, battery)
- user-service provider (carrier)
 - restricted services (e.g. Skype over 3G)
- device-carrier-network
 - Verizon iPhone on CDMA
 - AWS spectrum in Canada

constraints < -- > barriers

continuum:

- income
- literacy/skill level
- location ('anywhere' claims)
- predicament

remedies (?)

- user-device:
 - design, literacy
- user-service provider (carrier)
 - new business models? open networks/devices, 'off network' approach
 - more competition (market forces argument)
- device-carrier-network
 - policy
- role of wireless in networked society?
 - wireless infrastructure in the public interest