Safe Harbor

Before we proceed with our presentation, we would like to point out that the following discussion will contain forward-looking statements from industry consultants, Qualcomm, and others regarding industry trends, anticipated future results and product availability, potential market size, market shares, and other factors which inherently involve risks and uncertainties, including the rate of development, deployment and commercial acceptance of CDMA- and OFDMA-based networks and technology and fluctuations in the demand for CDMA- and OFDMA-based products, services or applications.

- These and other risks and uncertainties relating to Qualcomm's business are outlined in detail in our most recent 10-Q and 10-K filings with the Securities and Exchange Commission.
- Please consult those documents for a more complete understanding of these risks and uncertainties.

This presentation includes a discussion of "non-GAAP financial measures" as that term is defined in Regulation G. The most directly comparable GAAP financial measures and information reconciling these non-GAAP financial measures to the company's financial results prepared in accordance with GAAP have been included at the end of this presentation.
Mobile Services Are Becoming the Center of Life

Over 7 billion people use...

- 600 million **automobiles** registered and in use
- 700 million **PC’s** (desktops, laptops)
- 1.3 billion fixed **landline phones**
- 1.6 billion **television sets**
- 1.7 billion **credit card users**
- 2.0 billion **internet users**
- 2.2 billion people with a **banking account**
- 3.9 billion **radio receivers** in use worldwide

Only 4.4 billion people have access to sanitation.

Source: http://water.org/learn-about-the-water-crisis/billion/

The mobile phone has become the biggest platform in the history of mankind

Approx. 5.5 Billion total Subscribers

Note: 3G includes CDMA2000, WCDMA and TD-SCDMA
Source: Wireless Intelligence estimates as of Apr 19, 2010 for the quarter ending Mar 31, 2010; number of unique wireless connections
3G and Non-3G Network Statistics Association as of Apr 2010
The Evolving Mobile Experience

Industry Trends Are Aligning: Driving Innovation and Growth

Applications & Services

Devices

Networks
The Mobile Internet
SHIFTING TO A CARRY ALONG EXPERIENCE

- Always With You
- Real-time
- Context Aware
- Highly Personalized
- Leverages the Cloud

KNOWS
You and what is around you
LEARNS
What you like
DISCOVERS
Things relevant to you
FILTERS
Out the irrelevant

SENSING
Local content & services discovery
SEEING
Augmented reality UI: Map, 3D, in building navigation
INTERACTING
Connection manager (WAN, Wi-Fi)
Collapsing Time and Space in Healthcare

The Burden of Chronic Disease in the US

- 7 out of 10 deaths are from chronic diseases.
- Heart disease, cancer and stroke = more than 50% of all deaths.
- In 2005, almost 1 out of every 2 adults – had at least one chronic illness.
- 1 in every 3 adults is obese.
- 1 in 5 youth (between 6 and 19) is obese.
- 1 out of 3 adults (31.3%) is hypertensive.
- 26% of all deaths annually are because of heart disease.

Source: Centers for Disease Control - http://www.cdc.gov/chronicdisease/overview/index.htm#ref2
2008 Disability Status Report – Cornell University

- 2008 prevalence rate of people with a disability in the US 12.1%

- 2008 = 36,169,200 of the 299,852,800 individuals in the US reported one or more disabilities
  - 156,200 of the 20,876,400 children ages 0 to 4 in the US reported one or more disabilities
  - 1,233,700 of the 22,107,800 individuals ages 16 to 20 in the US reported one or more disabilities
  - 18,312,900 of the 175,368,200 individuals ages 21 to 64 in the US reported one or more disabilities
  - 5,287,300 of the 19,902,000 individuals ages 65 to 74 in the US reported one or more disabilities
  - 2008, 8,913,300 of the 17,298,500 individuals ages 75 and older in the US reported one or more disabilities


Transforming Health & Medicine

WIRELESS HEALTH TOOLS ENABLE CONSUMERS TO TAKE CHARGE OF THEIR HEALTH

- BLOOD PRESSURE, PULSE, GLUCOMETER
- ECG, SMART BANDAGES
- WEIGHT BODY COMPOSITION, ENVIRONMENTAL SENSORS
- PEDOMETER
- SMART PILLS OR INTERNAL SENSORS
Wireless Health Ecosystem

Wireless Health Segments

<table>
<thead>
<tr>
<th>Segment</th>
<th>Goal</th>
<th>Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute care safety</td>
<td>Prevent ‘never events’</td>
<td>Sotera</td>
</tr>
<tr>
<td></td>
<td>Improve monitoring</td>
<td>Airstrip</td>
</tr>
<tr>
<td>Remote monitoring and enhanced diagnostics</td>
<td>Reduce hospitalization</td>
<td>Patientsafe</td>
</tr>
<tr>
<td></td>
<td>Prevent re-hospitalization</td>
<td>Sotera</td>
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<tr>
<td>Chronic care and therapy</td>
<td>Promote adherence</td>
<td>Corventis</td>
</tr>
<tr>
<td>management</td>
<td>Prevent emergency visits</td>
<td>Rhythm</td>
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<tr>
<td>Aging in place</td>
<td>Enable elderly to live at</td>
<td>Telcare</td>
</tr>
<tr>
<td></td>
<td>home longer</td>
<td>Proteus</td>
</tr>
<tr>
<td>Remote presence (Telemedicine)</td>
<td>Narrowly defined today</td>
<td>Telpphone</td>
</tr>
</tbody>
</table>
|                                | Live 2-way and store + forward video/voice with clinician | iSIR |}

Enable elderly to live at home longer

Narrowly defined today: Live 2-way and store + forward video/voice with clinician

Fitness

Improve health

Preventive care
Mobile Cardiac Outpatient Telemetry

- ECG
- Respiratory Rate
- Heart Rate

Continuous Surveillance

- Heart Rate
- Fluid Status
- Activity Level
- Posture
- Respiratory Rate
- Arrhythmia Detection
- Temperature
- ECG
World’s First ECG Phone

- Voice capabilities
- Camera
- Blood Pressure, Blood Glucose, Cholesterol, ECG
- 24-hour response to ECG readings
- Virtual health records
- Global Physician Network

Cardiac Rhythm Monitor

- ECG
- Heart Rate
### AliveCor – iPhone ECG

- Case turns the iPhone 4 into a low cost ECG Event Monitor
- Innovative, low power, sensor connectivity to phone
- Pending FDA submission
  - Not cleared by FDA or available for sale in the US.

### Personal Emergency Response System

- One-Touch Emergency Button
- Two-Way Voice Communications
- Audible Alert Notifications
- Always On
LookTel ‘Money Reader’ iPhone Application

- Instantly recognizes US currency and speaks the denomination
- Enables visually impaired
- Proprietary object recognition technology
- Recognition happens continuously and in real-time

Wireless-Enabled Defibrillator

Implantable Cardioverter Defibrillator - Cardiac Resynchronization Therapy

Virtual Real-Time Data

- Virtual real-time data from Hospital ICU
- Virtual real-time data from Maternal-Fetal Monitors
- AirStrip CARDIOLOGY

Telcare – World’s first cellular-enabled BGM

- Cellular-enabled blood glucose meter
- Analytics portal
- On-device text messaging
- One-click ordering
Electronic wireless stethoscope

- Hear it.
- Record it.
- Send it.
- Confirm it.

Medication Adherence Software

- Confirms Compliance with Loved Ones
- Drug-to-Drug Interactions
- Convenient Medication List Management
- User Survey Surveillance Features
Ease of Use Mobile Solutions

- Live Nurse Service
- Wellness Calls
- Heart Healthy Tips
- Medication Compliance

Pharmacy Reminds You

- 1M subscribers within 1st 4 months
- Refill via barcode scan
- Text notifications that prescription is ready
Pill Bottle Reminds You

- Medication Reminders
- Automated Alerts
- Rx Refills

Ingestible Event Markers

- Compliance and Activity Monitoring
- Lot #, Dosage and Manufacturer
- Time and Date
On Your Phone

- Automated coaching
- Behavioral algorithms

Blood Glucose meter iPhone plug-in

- Track blood glucose, carbs and insulin
- Sends data to caregivers and loved ones
Glucose sensor

- 7-Day blood glucose sensing
- Wireless and water-resistant transmitter

Implantable – BGM

- Continuous tracking and insulin delivery
- Tracks activity, food intake and calories burned
- Secure SMS alerts
- Built in blood glucose meter
- Insulin pump management
- Supply ordering
- Gaming
Rapid Response Monitoring - Ambulatory

- Mobile Monitor
- ID System
- Alert System
- Predictive Care
- Therapy Manager
- Communications System

Fitness

SMHEART
While You Sleep

Personal Health Performance (SM)

- Calories burned
- Activity Data
- Quality of Sleep
Wireless Fertility Monitor

Policy, Regulatory and Legislative
mHealth US Policy and Regulatory Framework

- Congress
- Centers for Medicare and Medicaid Services (CMS)
- Food and Drug Administration (FDA)
- The Office of the National Coordinator (ONC)
- Federal Communications Commission (FCC)
- National Institutes of Health (NIH)

mHealth Policy and Regulatory - Congress

Congress

- ARRA
  - HITECH, BTOP
- PPACA
  - ACO, Health Homes, Independence at Home, Annual Wellness Visits, CMMI
- HEARINGS 2010/2011
  - 2010 (Two Hearings):
    - Senate Special Committee on Aging - April 22, 2010
    - House Veterans’ Affairs, Subcommittee on Health - June 24, 2010
- Anticipated Legislative Action in 2011
  - Repeal PPACA
  - Legislation to include RPM services for Medicare
  - 20 Physicians…
mHealth Policy and Regulatory - CMS

Centers for Medicare and Medicaid Services (CMS)

- CMS Innovation Center
- EHR Incentive Payments
  - Certified EHR's and EHR Modules
- CMS/FDA MoU
- CMS/FDA RFI on Parallel Review of Medical Products

Reimbursement for “Medicare telehealth services”

1. Performed at distant site by doctor, nurse, or other stipulated medical professional.
2. Live (real-time) voice and video.
3. Specific site of care as stipulated by CMS (SNF, hospital, dr.’s office, etc.).
4. Beneficiary lives in health professional shortage area (HPSA) or not in Metro Statistical Area (MSA).
5. Specific care: Inpatient consult, psychiatrist, psychotherapy, pharmacological, nutrition.
6. No store and forward – only in Alaska and Hawaii for federal demonstration projects.

For Medicare telehealth payment policy and claims processing instructions, See Pub. 100-02, chapter 15, sections 270 through 270.5.1 and Pub. 100-04, chapter 12, sections 190 through 190.7.
mHealth Policy and Regulatory - FDA

- A DEVICE* IS…:
  - "an instrument, apparatus, implement, machine, contrivance, implant, in vitro reagent, or other similar or related article, including a component part, or accessory which is:
    - intended for use in the diagnosis of disease or other conditions, or in the cure, mitigation, treatment, or prevention of disease, in man or other animals, or
    - intended to affect the structure or any function of the body of man or other animals, and which does not achieve any of its primary intended purposes through chemical action within or on the body of man or other animals and which is not dependent upon being metabolized for the achievement of any of its primary intended purposes."
  - Definition provides a clear distinction between a medical device and other FDA regulated products such as drugs

* Section 201(h) of the Federal Food Drug & Cosmetics (FD&C) Act (regulated by the Food and Drug Administration)
mHealth Policy and Regulatory - FDA

Food and Drug Administration

- Home-Use Medical Device Initiative
- FDA/FCC MoU
- Draft Radio Frequency Wireless Technology Guidance
- FDA 2011 Plan of Action for 510(k) and Science Reports
- FDA CDRH Medical Device Innovation Initiative
- Medical Device Data Systems (MDDS) – Class I

mHealth Policy and Regulatory - ONC

Office of the National Coordinator

- “Meaningful Use” of electronic health records (EHRs) for the purposes of the Medicare and Medicaid EHR incentive payments
- Workgroup Request for Comments - Meaningful Use Stage 2
  - Seeking comment on steps needed in Stage 2 to achieve Stage 3 objectives.
- Stage 3 Criteria - “Engage Patients and Families in Their Care”
  - “Offer electronic self-management tools to patients with high priority health conditions”
  - “Offer capability to upload and incorporate patient-generated data (e.g., electronically collected patient survey data, biometric home monitoring data, patient suggestions of corrections to errors in the record) into EHRs and clinician workflow”
mHealth Policy and Regulatory – ONC (con’t)

Office of the National Coordinator

- Health IT Standards Committee, Clinical Operations Workgroup
  - March 28, 2011 Meeting: To identify barriers & enablers for device interoperability
    - Patient/Consumer Panel
    - Provider Panel
    - Interoperability & Data Integration
    - Data Accuracy & Integrity
    - Device Security & Data Security Panel
    - Unique Device Identification

- Federal Health IT Strategic Plan Open for Public Comment
  - ONC released the draft Federal Health IT Strategic Plan: 2011 – 2015, for public comment. The draft Plan is open for public comment through April 22, 2011.

mHealth Policy and Regulatory - FCC

Federal Communications Commission

- Recommendation to make 500 MHz newly available for broadband use within next 10 years

- Freeing up 25 MHz of Wireless Communications Service Spectrum

- Expanding spectrum for medical implant communications service (MedRadio)

- Hospital experimental waiver

- Medical body area networks proposal

- Expanding experimental licensing and establishing wireless test beds
mHealth Policy and Regulatory - FCC

Federal Communications Commission

- HEALTH CARE - Chapter 10
  - Congress and the Secretary of HHS should consider developing a strategy that documents the proven value of e-care technologies, proposes reimbursement reforms that incent their meaningful use and charts a path for their widespread adoption.
  - HHS should support further pilots and testing that review their suitability for reimbursement.
  - HHS should make e-Care pilots and demonstration projects a top priority across the agency, including HRSA, SAMHSA, IHS, NIH and the AHRQ.
  - HHS-funded projects should be designed with the objectives of understanding use cases, measuring outcomes and determining optimal payment methodologies to produce efficient, high quality care.

mHealth by the NIH

National Institutes of Health

- mHealth Working Group
- mHealth Workshop “Reducing Barriers to Mobile Technology Usage in Behavioral and Social Sciences Research”
- Wireless Medical Technologies Working Group
- mHealth Summit
- 2011 mHealth Summer Institute
  - Qualcomm, Co-Sponsor
mHealth – Inter-Agency

**Government-wide mHealth Efforts**

- mHealth Wireless Medical Technologies Working Group – NIBIB
- mHealth Collaborative - HRSA/ONC (Concluded)
- HHS Task Force – Office of the HHS Secretary (evaluation and mHealth partnerships)

Qualcomm
Qualcomm Is a World Leader in Next-generation Mobile Technologies

- Celebrating more than 25 years of driving the evolution of wireless communications
- Making wireless more personal, affordable & accessible to people everywhere
- World’s largest fabless semiconductor company, #1 in wireless
- S&P 100 / S&P 500 / Fortune 500

Engines for Growth

QTL: Technology Licensing
    A leader in Licensing Wireless Technologies

QCT: Semiconductor Business
    World’s Largest Fabless Semiconductor Company

QWI: Wireless Internet
    To Accelerate Time to Market
Continuing Strategic R&D Investments
MORE THAN $18.4 BILLION CUMULATIVE INVESTMENT IN R&D

GAAP R&D Expenditures (Billions)

% of Revenue

Fiscal Year

2005 2006 2007 2008 2009 2010 2011

Much More Than a Phone
FOCUS ON INTEGRATION

WWAN  CPU  MULTIMEDIA  GPU  GPS
QCT-Record 2010 MSM Shipments

COMPOUND ANNUAL GROWTH RATE >30%

FISCAL 2010 KEY MILESTONES
~400M MSMs SHIPPED | >745 DEVICE LAUNCHES
Raymond Orteig offered $25K prize (~$5M today) in 1919 for first flight from New York to Paris

Nine teams spent over $400K to win the prize

Prize won by 25 year old underdog Charles Lindbergh
Something else happened...

Within 18 months of his flight...
- Passenger traffic increased 30x
- Number of aircraft increased 4x
- Aviation stocks soar
What is an X PRIZE?

An X PRIZE is a large ($10M - $100M) incentive prize offered to the first team able to achieve a bold and audacious act which is of radical benefit for humanity.

Hallmarks of An X PRIZE Incentive Competition

- **HIGHLY LEVERAGED**: Typically 10 – 40x
- **EFFICIENT**: only pays the winner
- Sparks NEW INDUSTRY & MARKET development

- $2.5M – Start-up St. Louis
- $10M - Purse Ansari Family
- $100M Teams’ spend
- $1B+ Industry start
Our Board of Trustees & Benefactors

- Larry Page
  - Co-Founder & President
  - Products, Google

- Elon Musk
  - Inventor and Founder
  - of SpaceX Corporation

- Craig Venter
  - Scientist, Entrepreneur,
  - Founder and President of
  - the J. Craig Venter Institute

- Elon Musk
  - CEO & Chairman, Tesla Motors
  - CEO & CTO of SpaceX

- Indian Industrialist and
  - Philanthropist
  - Chairman of Tata Sons

- James Cameron
  - Filmmaker and explorer

- Ayman Z砝r
  - Inventor, Entrepreneur and
  - Co-founder of Singularity
  - University

- Ray Kurzweil
  - Inventor, Entrepreneur and
  - Co-founder of Artificial
  - Intelligence

- Eric Schmidt
  - Co-Chairman/CEO, Fox Filmed
  - Entertainment

- Jani Cappa
  - Chairman of Prodea, first
  - Female private space
  - explorer

- Jim Gianopulos
  - Chairman of Prodea;
  - first
  - female private space
  - explorer

- James Cameron
  - Chairman & CEO,
  - Google

- Janet Cappa
  - Filmmaker and explorer

Prize Groups

- Life Sciences
- Exploration
- Energy & Environment
- Education & Global Development
In 1996, the $10 Million Ansari X PRIZE Opened Up Private Space Flight

- $10 Million purse
- Privately funded teams
- 3 person crew
- 100 km altitude
- 2 flights in 2 weeks

Winning the Ansari X PRIZE

- 26 Teams
- From 7 Nations
- Spent > $100 million

ARCA Space Transport
DaVinci Project Canadian Arrow Rocketplane
Armadillo Aerospace StarChaser Pablo DeLeon Scaled Composites
SpaceShipOne (backed by Paul G. Allen) successfully won the $10 Million Ansari X PRIZE which launched a new, personal spaceflight industry & drove regulatory reform.

Opening a new era...

History Was Made

SpaceShipOne now hangs among history with the Apollo 11 Capsule and the Spirit of St. Louis in the Smithsonian National Air & Space Museum.
Tricorder X PRIZE

LOW-COST DIAGNOSIS  MINIMALLY INVASIVE  RAPID  PORTABLE  SCALABLE
The Tricorder

*Tricorder is copyrighted by CBS and used under license by the X Foundation*

• The three Star Trek Tricorders were:

  • The *multipurpose Tricorder* used to scout unfamiliar areas, make detailed examination of living things and record/review technical data.
  
  • The *medical Tricorder* was used by “Bones” to help diagnose diseases and collect bodily information about a patient.
  
  • The *engineering tricorder* was fine-tuned for starship engineering purposes.
The Tricorder

- The Tricorder X PRIZE envisioned as $USM prize to develop a mobile device that can:
  - diagnose patients by combining expert systems (lab-on-a-chip or wireless sensors).
  - device must be inexpensive, recommend treatment and upload data to the cloud.
  - Qualcomm, Incorporated has sponsored the prize design work.
The X PRIZE’s Role In Disruption

- Incent technology breakthroughs
- Address problems on a smaller scale
- Lower costs
- Require less human skill
- Precise diagnosis
- Predictable effective therapy

- Create new business models
- Convene industry stakeholders and regulators to re-assess regulations and foster innovation.
- Provide a forum for teams to tackle risk
- Create and ecosystem of relationships

Prize Timeline & Key Dates

- 2012: TRICORDER X PRIZE launch at CES
- 2013: REGISTER
- 2014: QUALIFYING Round
- 2015: FINAL Round
- 27-28: TRICORDER Qualifying Round
- 38-40: TRICORDER Final Round
The Tricorder X PRIZE

The winning team will create an appealing consumer health device that can:

- Accurately diagnose 15 diseases
- In 15 consumers
- In 3 days or less
- In the consumers' hands, independent of a health worker or care facility
Sensing X CHALLENGE

- As part of the greater Tricorder X PRIZE, a series of awards

- Select best sensing breakthroughs

- Consider not only sensor advances, but also sensing advances

- Goals:
  1. Seed Tricorder X PRIZE ecosystem
  2. Accelerate sensing research and development
**Prize Timeline & Key Dates**

**Sensing X CHALLENGE Timeline**

### Registration Phase
- REGISTER & PROMOTE
- Teams allowed to pre-register
- Teams formally register, submit application, pay fees and sign MTA
- Teams submit materials (study results, diagrams, videos, prototypes) to XPF

### Preliminary Judging Phase
- DISTILL POOL
- Judges evaluate entries and their supporting material
- The judging panel will pare the entries down to 10 finalists

### Final Judging Phase
- DETERMINE WINNERS
- Top 10 teams give demonstrations of their systems as well as provide supplementary material, some of it at the request of the judges
- First through fifth places awarded

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**Goals**

**Duration**

- Month 1-9
- Month 10
- Month 11

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**Winners Declared**
Robert Jarrin
Senior Director, Government Affairs

rjarrin@qualcomm.com

Every Body on the Net™