



**GARI**

GLOBAL ACCESSIBILITY  
REPORTING INITIATIVE

# The Global Accessibility Reporting Initiative

May 2016



*Mobile Manufacturers  
Forum*

# The MMF

International association of telecommunications equipment manufacturers with an interest in mobile or wireless communications, focusing on:



**Members:** Alcatel Mobile Phones, Apple, Cisco, Ericsson, Huawei, Intel, LG, Microsoft, Motorola Mobility, Motorola Solutions, Samsung, Sony



**Find Accessible Devices & Apps**

**Learn about Mobile Accessibility**

**We help consumers to find a device with the accessibility features that work best for them**

## What do you want to find?



### Phones

Narrow down and compare options from different manufacturers.



### Tablets

Compare the accessibility features you need.



### Mobile Apps

Which devices support the accessibility apps you love?

# The GARI project

- GARI.... **G**lobal **A**ccessibility **R**eporting **I**nitiative
- [www.gari.info](http://www.gari.info)
- 1,100+ mobile phone models for all world regions
- centralised source of information
- 300+ accessibility related apps
- consumer guidance & reporting tool
- 16+ languages

# GARI... database for accessible devices



Mobile phones & tablets

## Global Accessibility Reporting Initiative



Mobile Apps



Smart TVs



Cordless Phones



**Find Accessible Devices & Apps**

**Learn about Mobile Accessibility**

[Home](#) > Find Accessible Devices and Apps: Phones & Tablets

**Find Accessible Devices and Apps: Phones & Tablets**



**Find Phones & Tablets**

Compare features from different manufacturers.



**Find Mobile Apps**

Which devices support the accessibility apps you love?

**Best devices for.....**

- Dexterity
- Vision
- Hearing/Speech
- Cognition

Phones  Tablets

Region:

**Let's see some devices**

**Phone / Tablet Lookup**

Already know what you're after?  
Find phones and tablets in the database.

Region:

Manufacturer

Model

Phones  Tablets

**Lookup Devices**

**Advanced Feature Search**

Let us help you find the right phone for your needs.  
Select on a feature-by-feature basis.

**Start advanced search**

Choose up to three devices to compare their features

Compare Phones

| Page1 | Page2 | Page3 | Page4 | Page5 | Page6 | Page7 | .... | Page10 | >



Samsung SM-N9005(Galaxy Note3)

Compare  
100% Match



Samsung SM-N900(Galaxy Note3)

Compare  
100% Match



Sony Xperia ZR

Compare  
100% Match



Microsoft (Nokia) 301

Compare  
100% Match



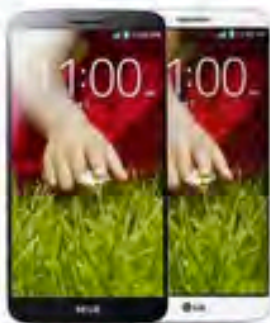
Alcatel Mobile Phones Alcatel 10.10

Compare  
100% Match



Microsoft (Nokia) Lumia 610

Compare  
100% Match



LG G2 (LG-D802)

Compare  
100% Match



Samsung SM-G350(Galaxy Trend 3)

Compare  
100% Match



Alcatel Mobile Phones Alcatel 10.30

Compare  
100% Match

# Moto E (XT1019)



## Product Details

<b>Manufacturer:</b>	Motorola Mobility
<b>Product Brand(s):</b>	Motorola
<b>Model:</b>	Moto E (XT1019)
<b>Website and/or contact</b>	<a href="http://www.motorola.com/accessibility">http://www.motorola.com/accessibility</a>
<b>Date Completed:</b>	Nov-25-2014
<b>Compatible Apps</b>	<a href="#">See Compatible Apps</a>
<b>Operating System:</b>	Android KitKat 4.4.0

View features for:

Hardware

Hearing/Speech

Vision

Dexterity

Cognition

All

COGNITION FEATURES		Detail	Description
No Screen Timeout	Yes		When the phone displays an alert or a question that requires you to give an answer, e.g. by clicking a "Yes" or "No" button or by typing in your PIN number, it will wait for your response. This can be helpful for people who find it difficult to decide what to answer or to enter the answer quickly.
Simple Reminders	Yes		All text alerts and other reminders that are displayed on the screen use simple, easy to understand language.
Assistance Instructions	Yes		When you need to provide input (e.g. when setting up the phone or when it asks you a question), extra helpful instructions are provided, explaining what you need to do.
Photo Associated Telephone Book	Yes		You can add photos of people next to their numbers in your contact list (a personal 'telephone book' you create in the phone).
Simple Instructions	Yes		Instructions and messages that are displayed on screen use simple language.
Copy and Paste	Yes		Does the device support a copy and paste functionality for text entry?
GPS capability	Yes		The device has Global Positioning System (GPS) capability.
Simplify display	Yes		Allows you to disable or conceal unneeded features/programs or icons.
Voice notes	Yes		Allows you to record, save and play back a short voice reminder.

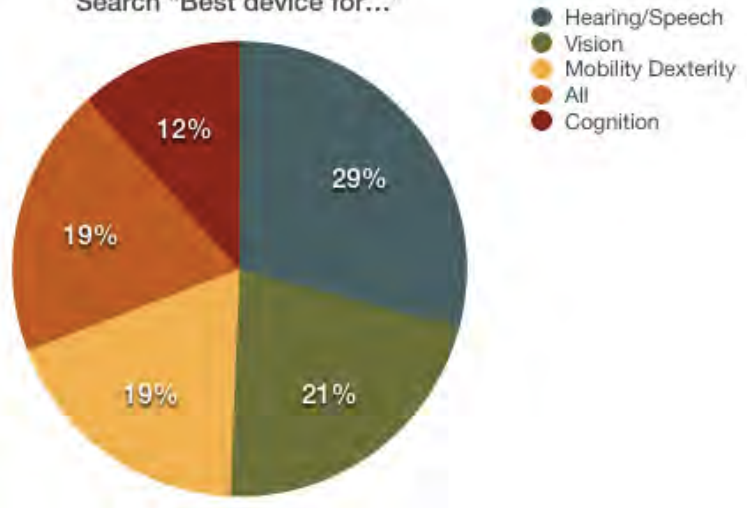


# Most popular features

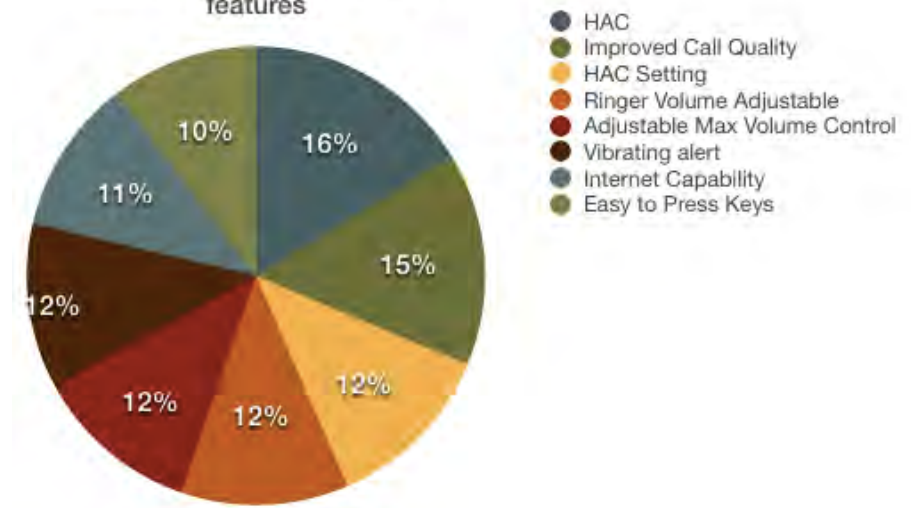
- Vision:
  - screen-reader
  - magnifier
  - high contrast
  - voice recognition
- Hearing/Speech:
  - closed captioning
  - front facing camera
  - adjustable vibrating alerts
  - hearing-aid settings
- Cognition:
  - simplified display
  - no screen timeout
  - assistance instructions
  - simple instructions
- Mobility:
  - anti-slip feature
  - easy to press keys
  - gesture based navigation
  - voice recognition for dialing

# GARI status April 2016

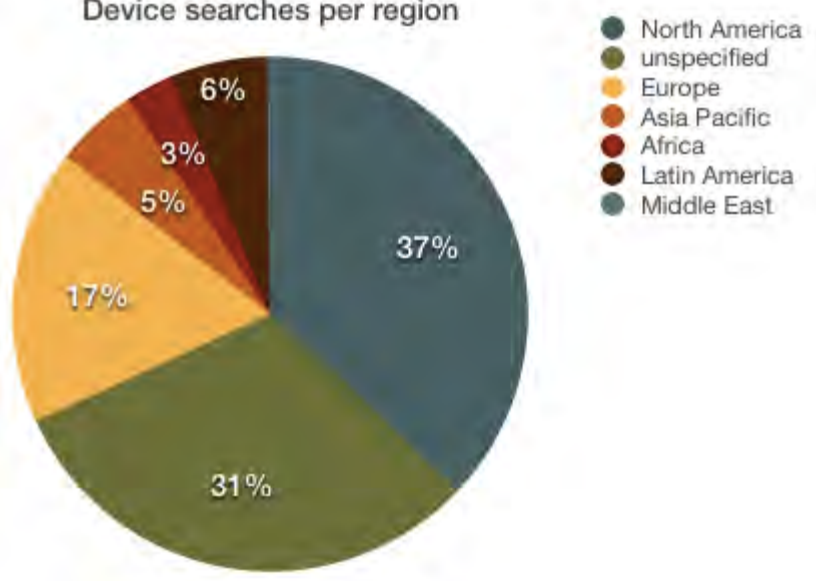
Search "Best device for..."



4.339 advanced search - top features

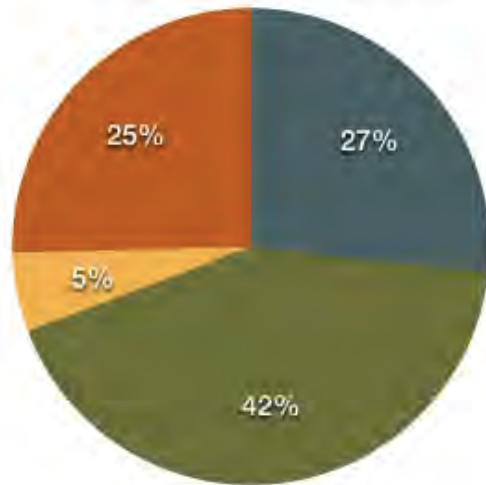


Device searches per region



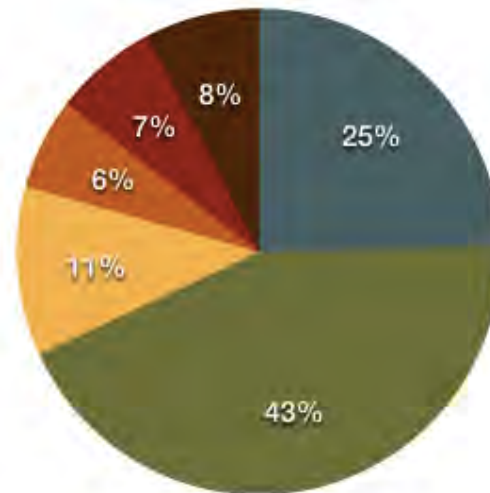
# GARI status April 2016

298 accessibility apps published



- Hearing/Speech
- Vision
- Mobility/Dexterity
- Cognition

Total app searches: 8905



- North America
- unspecified
- Europe
- Africa
- Asia Pacific
- Latin America

pageview & visits





### Find Phones & Tablets

Compare features from different manufacturers.



### Find Mobile Apps

Which devices support the accessibility apps you love?

65 apps found

| [Page1](#) | [Page2](#) | [Page3](#) | [Page4](#) | [Page5](#) | [Page6](#) | [Page7](#) | ... | [Page17](#) |

Search Again

**Search**

Filter Results

#### Apps for

- Dexterity
- Vision
- Hearing/Speech
- Cognition

#### Available on

- +  Alcatel OneTouch Proprietary
- +  Android
- +  Bada OS
- +  BlackBerry
- +  iOS
- +  Kyocera Proprietary
- +  LG Proprietary
- +  Linux
- +  Motorola Proprietary
- +  Nokia Proprietary
- +  PlayBook OS
- +  Samsung Proprietary OS



#### @Voice Aloud Reader

[View Details >>](#)

**Available on:** Android 2.1 and up  
**Supports:** Vision, Hearing/Speech

@Voice Aloud Reader reads aloud the text displayed in Android apps, e.g. web pages, news articles, long emails, TXT, PDF, DOC, DOCX, RTF, OpenOffice document files and more.  
**IMPORTANT:** You need....



#### aCalendar

[View Details >>](#)

**Available on:** Android 2.1 and up  
**Supports:** Cognition

★ Die Kalender-App schlechthin - connect 10/2013 ★ ★ TESTSIEGER Android Magazin Nov/Dez 2012 ★ ★ Android User App des Jahres 2012 "Nützlichste App" ★ FUNKTIONEN ....



#### Accessibility Launcher Lite

[View Details >>](#)

**Available on:** Android 2.1 and up  
**Supports:** Vision, Hearing/Speech

FULL Version available for free download - <http://bit.ly/1pGzTK2> This is the perfect app for vision



## App Details

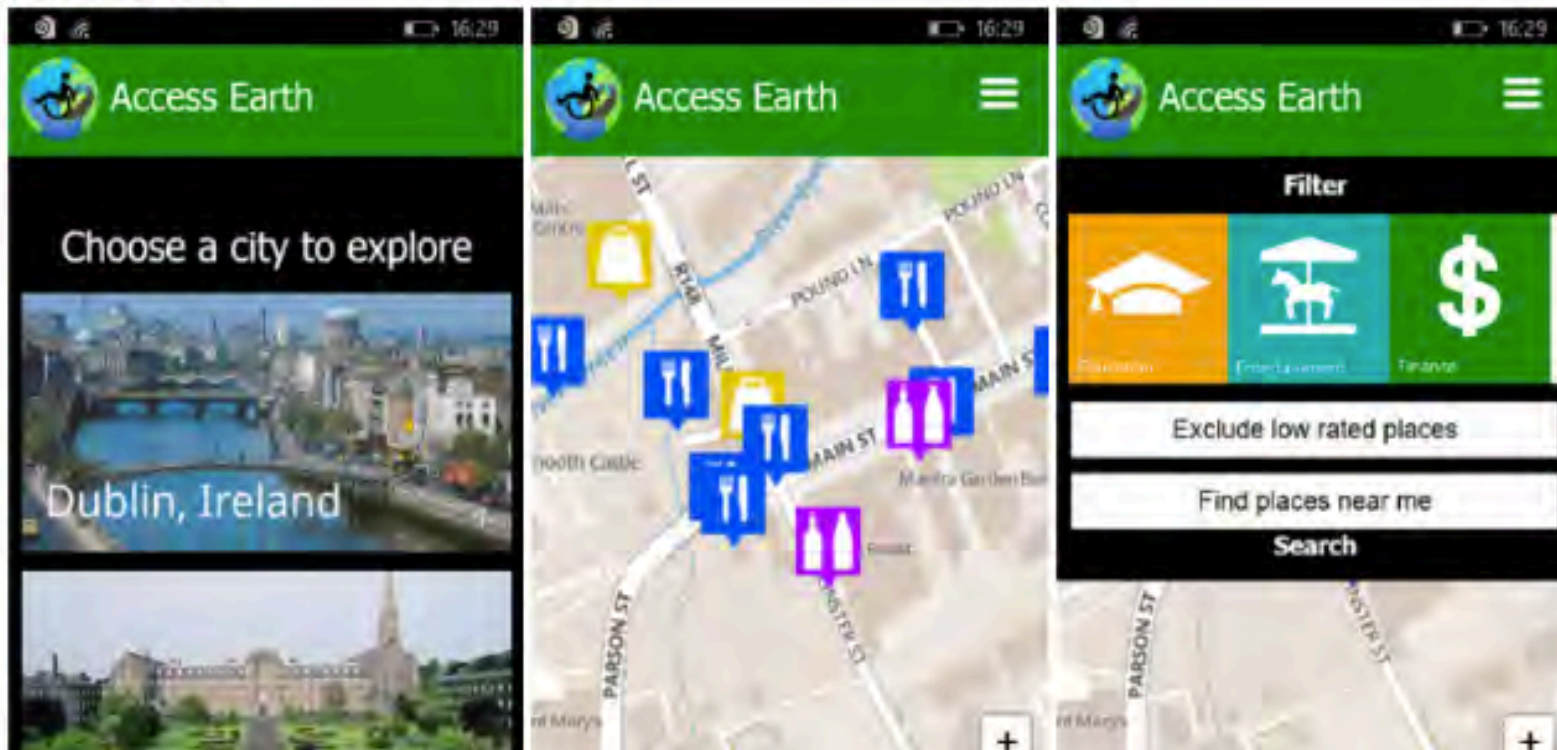
<b>Available on</b>	Windows 8 and up, Windows Phone 8 and up
<b>App Website</b>	<a href="http://accessearth.azurewebsites.net">http://accessearth.azurewebsites.net</a>
<b>Developer</b>	Access Earth
<b>Available on Windows Store</b>	<a href="#">See it</a>
<b>Compatible Devices</b>	<a href="#">See Compatible Phones</a> <a href="#">See Compatible Tablets</a>

## Description

Access Earth is a service allowing you to find reliable and up-to-date accessibility information about a place or business. Our volunteer network has collected data from a number of cities around the globe, and we are constantly adding new data to our database.

Updated tile icons and minor bug fixes

## Screen Shots:





## App Details

<b>Available on</b>	iOS 7 and up
<b>App Website</b>	<a href="http://www.bemyeyes.org/">http://www.bemyeyes.org/</a>
<b>Developer</b>	Be My Eyes
<b>Available on iTunes App Store</b>	<a href="#">See it</a>
<b>Compatible Devices</b>	<a href="#">See Compatible Phones</a> <a href="#">See Compatible Tablets</a>

## Description

Be the eyes for a blind person in need of help remotely through a live video connection if you are sighted or be assisted by the network of sighted users if you are blind.

Be My Eyes is all about contributing to and benefiting from small acts of kindness, so hop on board and get involved!

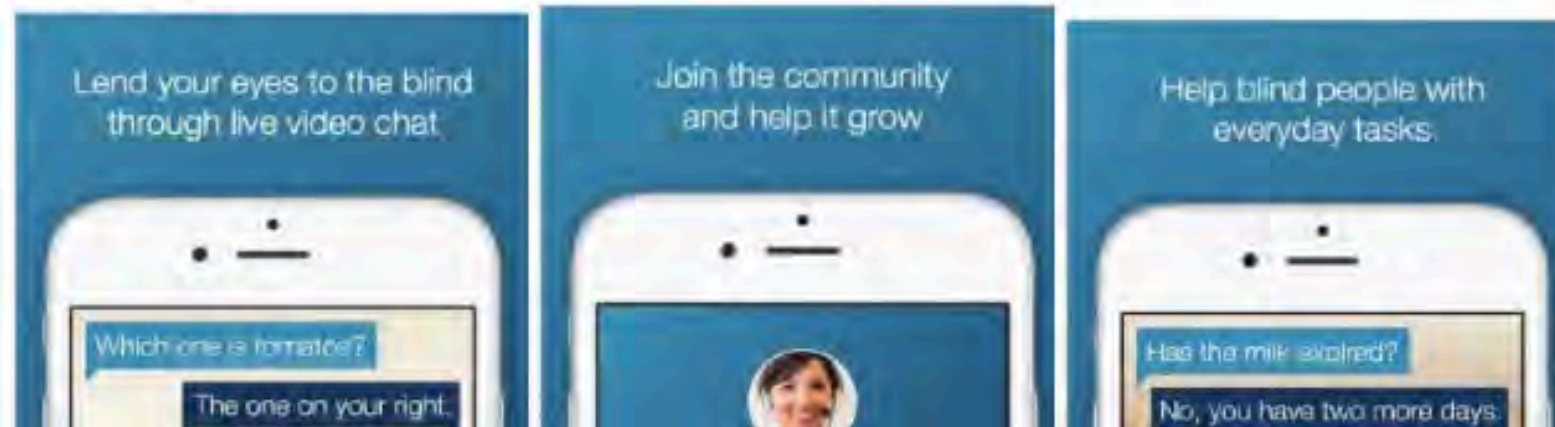
Blind users can request help from a sighted person and the sighted users will then be called for help. As soon as the first sighted user accepts the request for help a live audio-video connection will be set up between the two and the sighted user can tell the blind person what she sees when the blind user points his phone at something using the rear-facing camera.

As a sighted user you don't need to worry about missing a call and 'leave a blind person hanging' - you are a part of the bigger Be My Eyes helper-network and we will find the next available sighted person in the network. The challenges that the blind person needs help with can be anything from knowing the expiry date on the milk to navigating new surroundings.

Note: We encourage blind users to be patient when requesting help because we rely on real people to help you.

- Live audio-video connection between blind and sighted users
- Add the languages you know under settings
- An easy way you can make a difference for blind people

## Screen Shots:





## App Details

<b>Available on</b>	Android 2.1 and up
<b>App Website</b>	<a href="http://www.livecaptionapp.com/">http://www.livecaptionapp.com/</a>
<b>Developer</b>	Live Caption
<b>Available on Google Play</b>	<a href="#">See it</a>
<b>Compatible Devices</b>	<a href="#">See Compatible Phones</a> <a href="#">See Compatible Tablets</a>

## Description

Speak with the deaf using live captioning. Don't know sign language? Need to get your message across clearly? Using voice recognition software, speak into your phone and the words are transcribed live on the screen of the device. Talk to anyone face-to-face with Live Captions.

Not for transcribing phone calls.

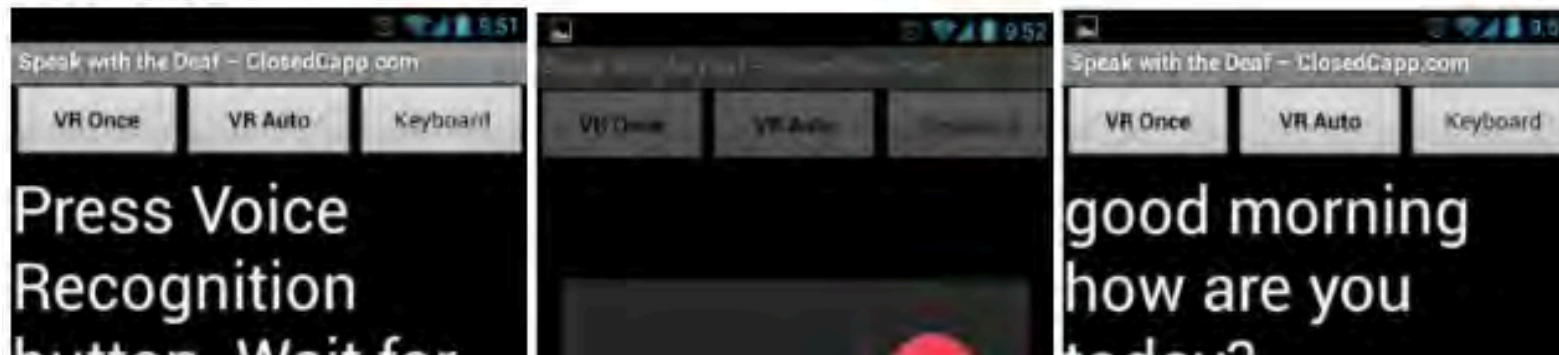
Instructions:

- Push "VR Once" and the Voice Recognition will activate once, and will not auto prompt. The text result will appear on screen.
- Push "VR Auto", and the Voice Recognition captures a segment of speech, then it must stop to process what was said.
- After returning the text of what was said, the VR prompt will initiate again after 4 seconds.
- To stop this cycle, just hit cancel on the Voice Recognition prompt.
- To respond with typed text, tap the "Keyboard Entry" button to toggle back and forth between modes.

Tips:

- The most current voice results are delivered at the top and scroll down, similar to a Twitter feed.
- Once VR is stopped you can scroll down to previous voice results.
- Once VR is restarted, the previous results are deleted and can not be retrieved. No data is recorded or saved.
- If you change the language on your phone, it will return results in that language.

## Screen Shots:



# GARI today



## Phones

Narrow down and compare options from different manufacturers.



## Tablets

Compare the accessibility features you need.



## Mobile Apps

Which devices support the accessibility apps you love?



# New section: Smart TVs

The screenshot displays the GARI (Global Accessibility Reporting Initiative) website interface. At the top, the GARI logo is accompanied by the text 'GLOBAL ACCESSIBILITY REPORTING INITIATIVE'. Navigation links for 'For Government', 'For Manufacturers', 'For Developers', 'Blog', and 'Contact' are visible. Below the navigation bar are two main buttons: 'Find Accessible Devices & Apps' and 'Learn about Mobile Accessibility'. The main content area is titled 'Find Smart TVs' and includes a breadcrumb 'Home > Find Smart TVs'. A featured card titled 'Find Smart TVs' with a TV icon and the text 'Compare features from different manufacturers.' is shown. Below this, there are three search options: 1) 'Best devices for.....' with checkboxes for 'Dexterity', 'Vision', 'Hearing/Speech', and 'Cognition', and a 'Region' dropdown set to 'North America', with a 'Let's see some devices' button. 2) 'Smart TV Lookup' with a text prompt 'Already know what you're after? Find smart TVs in the database.', a 'Region' dropdown (North America), a 'Manufacturer' dropdown (All), a 'Model' text input, and a 'Lookup Devices' button. 3) 'Advanced Feature Search' with a text prompt 'Let us help you find the right device for your needs. Select on a feature-by-feature basis.' and a 'Start advanced search' button. 'OR' labels and dotted lines connect the three search options.

**GARI** GLOBAL ACCESSIBILITY REPORTING INITIATIVE

For Government For Manufacturers For Developers Blog Contact

**Find Accessible Devices & Apps** **Learn about Mobile Accessibility**

Home > Find Smart TVs

## Find Smart TVs

**Find Smart TVs**  
Compare features from different manufacturers.

### Best devices for.....

- Dexterity
- Vision
- Hearing/Speech
- Cognition

Region: North America

**Let's see some devices**

### Smart TV Lookup

Already know what you're after?  
Find smart TVs in the database.

Region: North America

Manufacturer: All

Model:

**Lookup Devices**

### Advanced Feature Search

Let us help you find the right device for your needs.  
Select on a feature-by-feature basis.

**Start advanced search**

# A11y features of Smart TVs

- 57 accessibility features
- features new to GARI:
  - voice control for accessing features
  - remote control learning mode
  - independent volume control for speaker & headset
  - supports audio description for broadcast video
  - .....
- status:
  - database is ready
  - first models have been uploaded
  - getting the new section translated into all 16 GARI languages

# New section – Cordless phones

## KT-Easy (Test)



### Product Details

<b>Manufacturer:</b>	GARI Admin
<b>Product Brand(s):</b>	EasyPhone (Test)
<b>Model:</b>	KT-Easy (Test)
<b>Website and/or contact</b>	<a href="http://www.mmfa.org">http://www.mmfa.org</a>
<b>Date Completed:</b>	Apr-21-2015
<b>Compatible Apps</b>	<a href="#">See Compatible Apps</a>

View features for:

Hardware

Hearing/Speech

Vision

Dexterity

Cognition

# A11y features of Cordless phones

- 49 accessibility features
- features new to GARI:
  - guarded/recessed Keys
  - ringer volume loudness
  - microphone amplification
  - keypad separate from handset
  - .....
- status:
  - database is ready
  - first models have been uploaded
  - getting the new section translated into all 16 GARI languages

# Potential future section - Wearables



## Product Details

<b>Manufacturer:</b>	Samsung
<b>Product Brand(s):</b>	SAMSUNG
<b>Model:</b>	SM-R750T
<b>Website and/or contact</b>	<a href="http://www.samsung.com">www.samsung.com</a>
<b>Date Completed:</b>	Oct-6-2015
<b>Compatible Apps</b>	<a href="#">See Compatible Apps</a>
<b>Operating System:</b>	Samsung Proprietary OS Version 0

View features for:

Hardware

Hearing/Speech

Vision

Dexterity

Cognition

# Potential a11y features of Wearables

- 96 potential accessibility features but the product category is too young to pin down a basic set of features
- status:
  - active monitoring of products coming to the market
  - draft accessibility features list

# Why GARI?

The next billion to get mobile could be the global community of persons with disabilities.

Mobile World Congress 2015

”We need people with disabilities to go out and ask for solutions [...]. And as we get digitally enabled, we need to educate people on how to use these technologies - especially older citizens...” Chris Lewis, Mobile World Congress 2015

# GARI benefits

- **Consumers:** a comprehensive searchable database of phones and features in multiple languages
- **Government:** a feature set that is far more extensive than any countries' existing requirements
- **Operators:** demonstrate commitment to an important market segment and provide an easy retail tool
- **Manufacturers:** report it once – have it accepted everywhere





# GARI in use around the world



regulators



organisations of persons with disabilities



network operators



consumer organisations



industry associations



health platforms



app developers



# Accessibility Clearinghouse

- HOME
- RESOURCES BY DISABILITY
- PRODUCTS & SERVICES
- TECHNOLOGIES
- RELATED INFO
- FOR DEVELOPERS

## Mobile Devices

Search by manufacturer, brand, or model:

Showing 1 to 100 of 414

Display: 100 per page

- 1
- 2
- 3
- 4
- 5

API



Samsung SM-N900A (Galaxy Note3)

Regions:

North America

Accessibility Features:

101 out of 100 matched



Samsung SM-N915V (Galaxy Note Edge)

Regions:

North America

Accessibility Features:

101 out of 100 matched

BROWSE BY:

- Blind or Visually Impaired
- Cognitive Disabilities
- Hearing, Language and Speech Disabilities
- Mobility and Physical Disabilities
- Physical features
- Manufacturer
- Region

DATA SOURCE

API

Global Accessibility Reporting Initiative (GARI)

Provided by:

Mobile Manufacturers Forum (MMF)

Last Updated:

2015-09-02

DISCUSS

How can we publicize this clearinghouse to people who might use it?

SHARE THIS PAGE



# Catálogo de dispositivos móviles accesibles



INSTITUTO FEDERAL DE  
TELECOMUNICACIONES

## Búsqueda simple

BÚSQUEDA AVANZADA

**Selecciona primero una discapacidad para empezar a hacer la consulta.**

1) Selecciona un tipo de discapacidad.



Motriz



Auditiva



Visual



Cognitiva

2) Selecciona de uno a tres equipos.

## Móviles seleccionados

3) Para ver características da clic en "ver características" y si quieres quitar un elemento da clic en el tache rojo sobre cada equipo.

BORRAR SELECCIÓN

VER CARACTERÍSTICAS

### Contáctanos



atencion@ift.org.mx



Oficinas México: 55 5015 4000

Sin costo: 01800 2000 120



Oficinas en México:

Insurgentes Sur #1143, Col. Nochebuena,  
Delegación Benito Juárez, México, D.F.  
03720

### Redes Sociales

### App



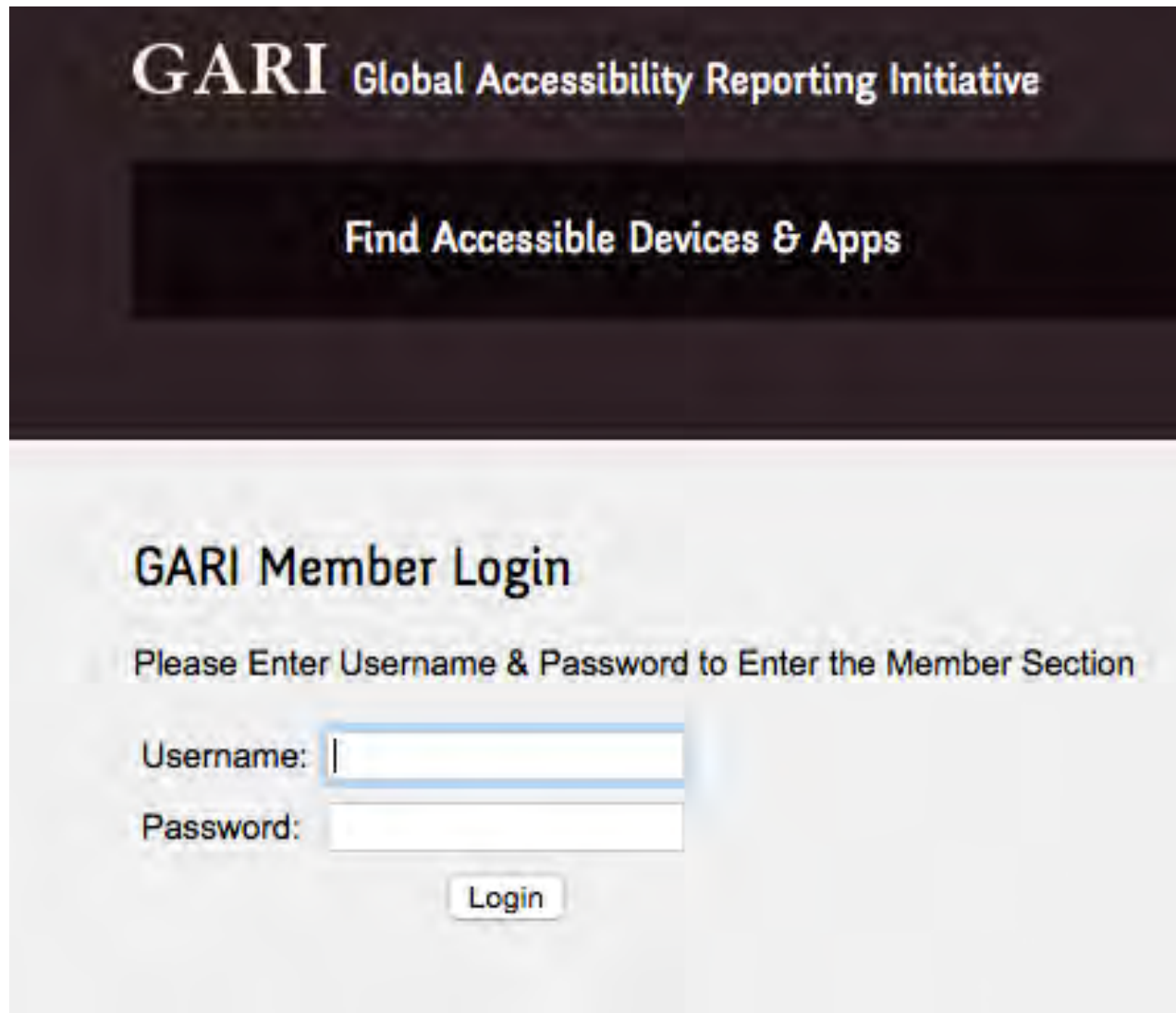
# Adoptions of GARI

Australia: GARI becomes the formal reporting platform for the C625 Information on Accessibility Features for Telephone Equipment Code

**The ACMA**

Information on  
accessibility features for  
telephone equipment  
ACIF C625:2009

# Benefits for manufacturers



**GARI** Global Accessibility Reporting Initiative

**Find Accessible Devices & Apps**

**GARI Member Login**

Please Enter Username & Password to Enter the Member Section

Username:

Password:

# Benefits for manufacturers

- reporting tool
- accessibility product reports for network operators
  - product selection tool for operators
- organisations around the world using GARI
  - <https://www.gari.info/examples-of-gari-in-use.cfm>
  - new since February: Norwegian & Mexican regulator, Indian a11y advocate BarrierBreak, SA operator MTN;
  - well known and accepted among organisations of persons with disabilities
- stakeholder meeting reports
- search statistics
- participation in MMF's Accessibility Working Group (AWG)

# Participating in GARI

- product by product basis
  - 1 product displayed for 2 years
- full participation in GARI + AWG
  - unlimited number of devices in the database
  - yearly feature review
  - participation in regulatory work and research activities
  - standards and research updates
  - communication and promotion
  - stakeholder relationships

# AGW activities

- GARI presentations at international events
- stakeholder relations, collaborations & outreach activities
- regulatory developments
  - Europe, North America, Latin America, Australia, Africa, Asia
- communications activities
  - mini social media campaigns, blog posts, Twitter, Facebook
- upcoming events
  - mEnabling Summit 2016 in Washington

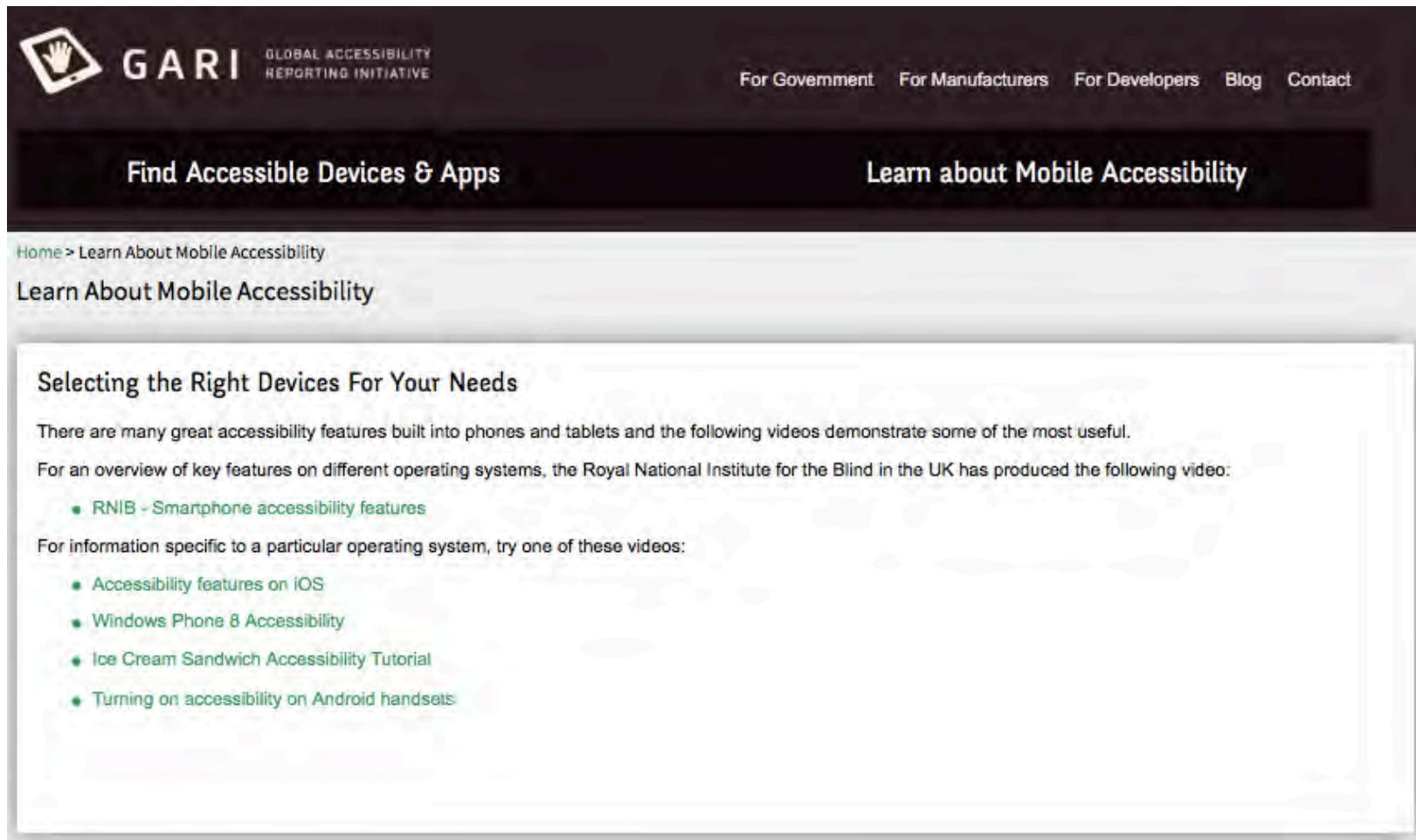


# Long-term objectives

- one global database for accessibility requirements in all markets
- centralized platform on mobile accessibility
  - promotion of mobile accessibility
  - reporting tool & consumer guidance
  - platform for exchange of information between stakeholders

# Global standards

- co-promotion of existing standards
- link overview via GARI's resource page



The screenshot shows the GARI (Global Accessibility Reporting Initiative) website. The header includes the GARI logo and navigation links for Government, Manufacturers, Developers, Blog, and Contact. Below the header are two main navigation buttons: 'Find Accessible Devices & Apps' and 'Learn about Mobile Accessibility'. The main content area is titled 'Learn About Mobile Accessibility' and features a section 'Selecting the Right Devices For Your Needs'. This section contains text about accessibility features on phones and tablets, a link to a video from RNIB, and a list of links to specific accessibility tutorials for iOS, Windows Phone 8, Ice Cream Sandwich, and Android.

**GARI** GLOBAL ACCESSIBILITY REPORTING INITIATIVE

For Government For Manufacturers For Developers Blog Contact

**Find Accessible Devices & Apps** **Learn about Mobile Accessibility**

Home > Learn About Mobile Accessibility

## Learn About Mobile Accessibility

### Selecting the Right Devices For Your Needs

There are many great accessibility features built into phones and tablets and the following videos demonstrate some of the most useful.

For an overview of key features on different operating systems, the Royal National Institute for the Blind in the UK has produced the following video:

- [RNIB - Smartphone accessibility features](#)

For information specific to a particular operating system, try one of these videos:

- [Accessibility features on iOS](#)
- [Windows Phone 8 Accessibility](#)
- [Ice Cream Sandwich Accessibility Tutorial](#)
- [Turning on accessibility on Android handsets](#)

**CFM**

Communications and Multimedia  
Consumer Forum of Malaysia



**my health apps™**

**Telstra™**



**vodafone**



media access australia

**FÉDÉRATION  
FRANÇAISE  
DES TELECOMS**

**Sprint**

**'yes'  
OPTUS**

**Hearing Loss  
Association  
of America**

**CTIA**  
The Wireless Association®

**FMK**



**at&t**

**O<sub>2</sub>**

**vodacom**

**INFORMATIONSZENTRUM  
MOBILFUNK**

**SURDI BU  
CO DES  
FRANCE**

**abnee**

Associação Brasileira da  
Indústria Elétrica e Eletrônica

**FC**

**MEDIA  
ACCESS  
AUSTRALIA**



wireless  
accessibility.ca

**telcel**

**ARCEP**

**ANCOM**  
National Authority for Management and  
Regulation in Communications of Romania

**AMTA**

**SAECA**

**DANISH BUSINESS AUTHORITY**

**ANACOM**  
AUTORIDADE NACIONAL DE COMUNICAÇÕES



**BIPT**

# GARI Membership

Participants in GARI:

- Alcatel Mobile Phones
- Apple
- BlackBerry
- Cisco
- Coolpad Americas
- HTC
- Huawei
- Kyocera
- LG
- Microsoft (Nokia)
- Motorola Mobility
- Samsung
- Sony
- Telstra
- ZTE

# Contact

Michael Milligan

Secretary General, [michael.milligan@mmfai.info](mailto:michael.milligan@mmfai.info)

Sabine Lobnig

Deputy Director Communications & Regulations

[sabine.lobnig@mmfai.info](mailto:sabine.lobnig@mmfai.info)

MMF: [www.mmfai.info](http://www.mmfai.info)

GARI: [www.gari.info](http://www.gari.info)

Twitter: @GARlupdates

Facebook: <https://www.facebook.com/MobileAccessibility>

GARI blog: <http://blog.mobileaccessibility.info>