

IOT 2.0: when the IOT and micro location converge

Bird of Feather – IEEE 802 Plenary – San Diego July 16th 2014

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The micro navigation/location revolution



**2000-2010:
The GPS revolution**

GPS/A-GPS
2G/3G NW
Wifi

House/building level
accuracy

Outdoor navigation



**2010-2015:
The start of indoor navigation**

Wifi
BT/BTLE

Shop/room level
accuracy

Indoor Navigation



**2015- xxx:
The micro location revolution**

802.15.4-2011
(802.15.4a)

Object level
accuracy

Accurate Indoor navigation
Object tracking
People tracking



Home automation based on user/object location



Receivers/infrastructure



Tracked items



Services

Light Control	HVAC Control	Fire Alarm
TV/STB /HiFi	Alarm	Door Lock



The secure bubble



To secure valuables

**Accurate distance measurement
+
Anti-relay Attack
=
Secure Bubble**



For secure payment



For secure access

Thank you

