

# CHOOSING THE RIGHT CONNECTIVITY TECHNOLOGY FOR YOUR IOT APPLICATION

New communication technology is being deployed with bombastic marketing pitches.

No single connectivity solution can be all things to all problems –  
there is no single universal "best" answer.

**SO WHAT'S THE PROBLEM**

What is the IoT

# M2M World of Connected Services

## The Internet of Things



## **SO WHAT'S THE PROBLEM**

What is the IoT  
By Whose Definition

# IoT SDOs and alliances landscape

(after comments of marco + juergen + jochen + nigel rix, Thomas Paral + Levent)

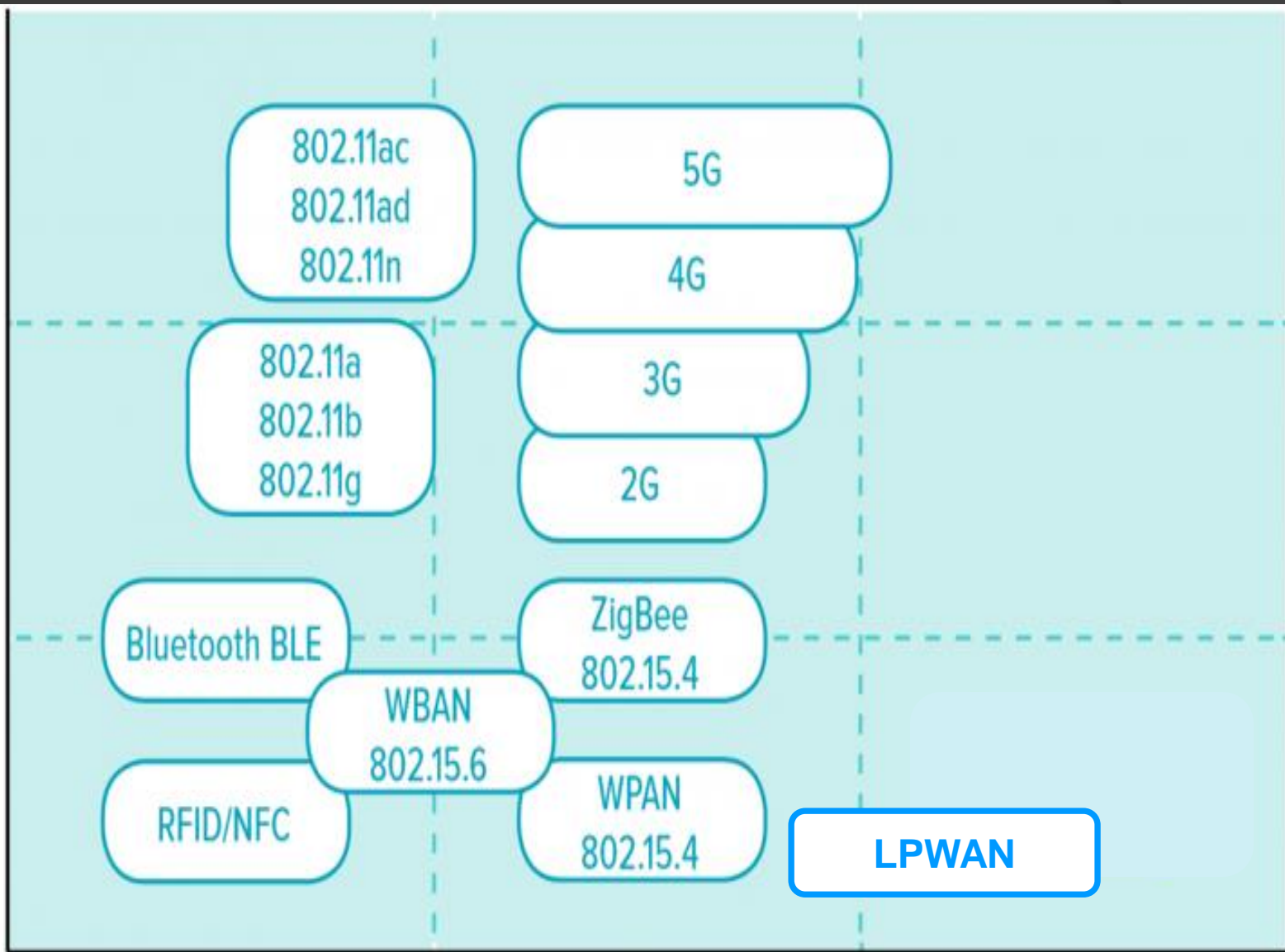
Service & App



Source: Modified from an initial contribution from Huawei



**BANDWIDTH REQUIRED**



**RANGE CAPABILITY**

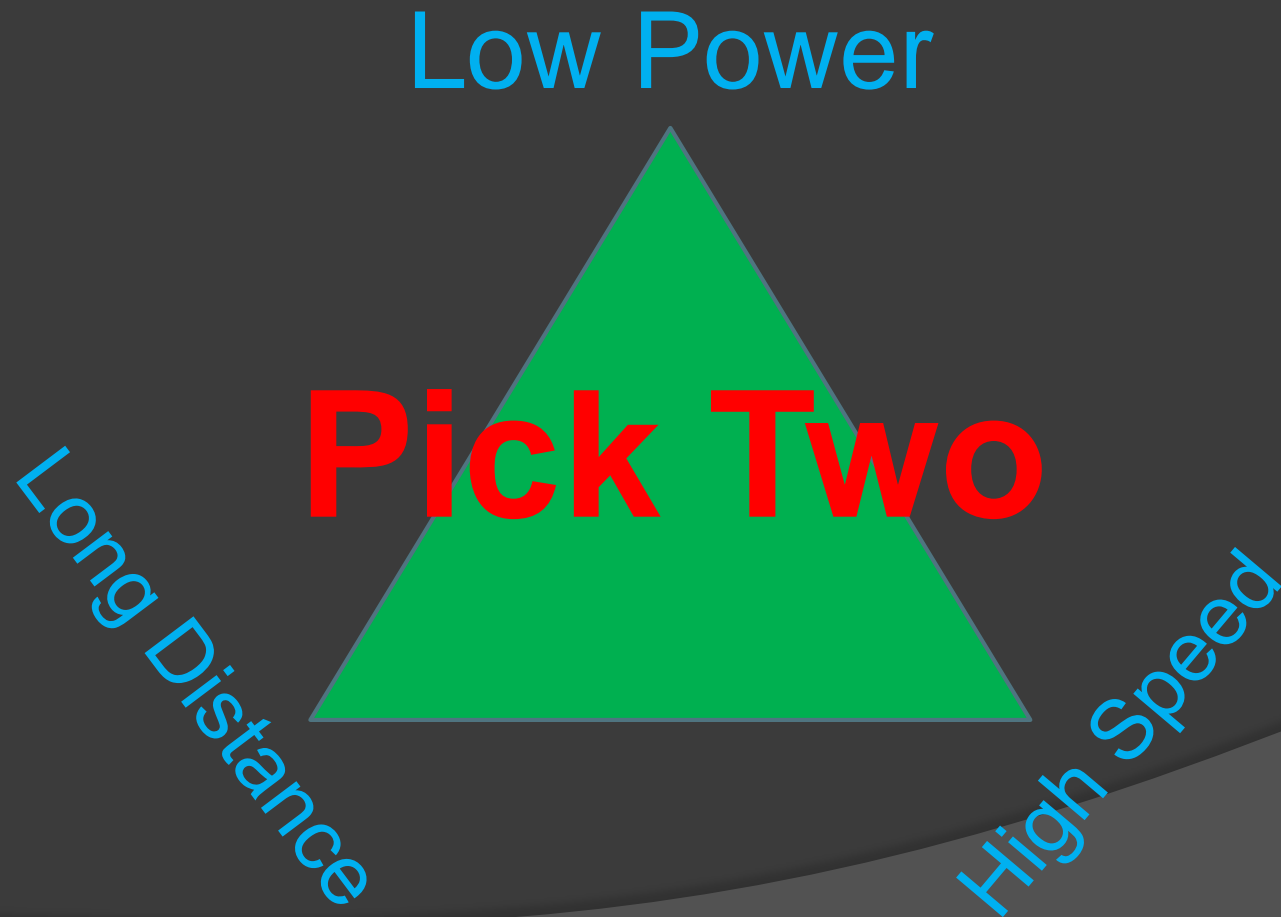
# A Poll

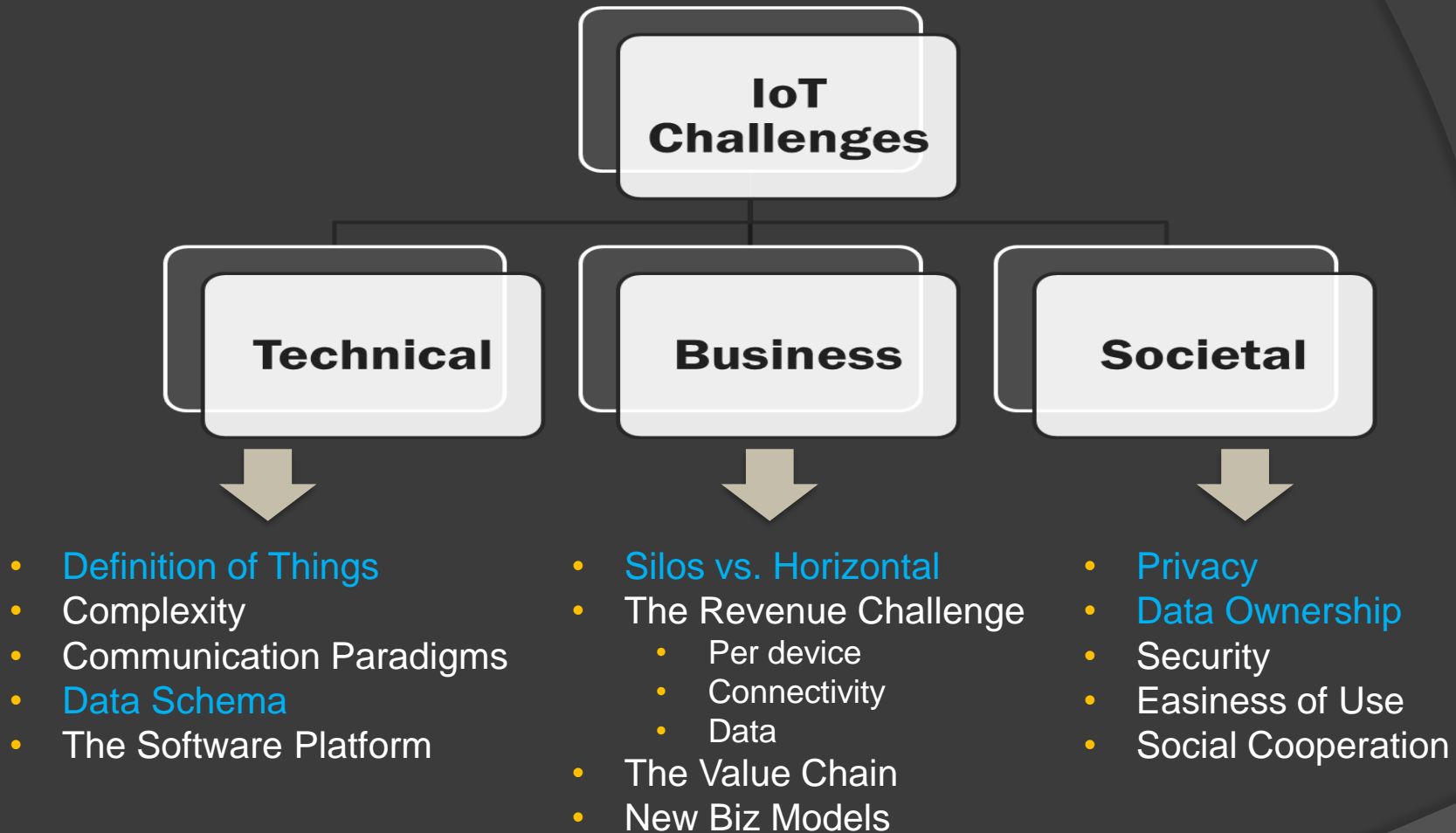
Build or use for IoT

- ⦿ Bluetooth
- ⦿ WiFi
- ⦿ 1G / 2G / 3G / 4G
- ⦿ 802.15.4 / Zigbee / Zwave / WiSun
- ⦿ LPWAN (LoRa, Sigfox, Ingenu, ...)
- ⦿ LTE-M / NB-IoT
- ⦿ 6lowpan



# Wireless Tradeoffs





# Open standards Drive

## “Permissionless Innovation”

Would just have prevented the problem

# Presidential Innovation Fellows

- ⦿ Created by the White House
  - The “Talent Act” of 2016
- ⦿ Bring outsiders to government
  - Government Innovation
- ⦿ Applications open now
  - VA, DIUx, NIH, NIST, ...
- ⦿ Apply by July 11 (**today**) for Fall 2018
- ⦿ [presidentialinnovationfellows.gov](https://presidentialinnovationfellows.gov)
  - [pif.gov](https://pif.gov)

# Internet Data

Really ???

Thank you....

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