

# Wireless Factory Starter Group Meeting

## Conclusions and Next Steps

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## Take away's

- Conclusions
- Next steps

## Conclusions

### ❑ Spectrum is crucial

- reliability
  - self organizing networks will help
- security
  - emergency situations
- exclusive spectrum allocations to WIFA
  - activity to pursue, i.e. initiate?

### ❑ Users involvement

- requirements need to be clear
  - use case scenarios
  - Example: Real-time communications
    - solutions are tabled
    - existing standards/technologies should be improved
    - modular approach supported
    - new radio technology long term vision
- contribute to standardization

## Conclusions

### ❑ Promising radio technologies

#### ➤ UWB

- location tracking
- wireless USB
- standardization in final stage
- deployment started (automotive industry)
- availability is key
- TG UWB ready to take WIFA on board

#### ➤ DECT

- well known technology
- wireless industry automation applications have always been included
- TC DECT ready to take WIFA on board
- chipsets and modules are available

## Conclusions

### ❑ Technology enablers

#### ➤ Femtocells

- technology behind is not an issue
- regulatory/business might limit WIFA deployment

### ❑ Network integration

#### ➤ architecture

- commonalities with M2M, Internet of Things

### ❑ Interoperability/Cooperation

#### ➤ multivendor environment is wished

#### ➤ IEC

#### ➤ ISA

#### ➤ HART

#### ➤ PNO

## Next Steps

### ❑ Standardization?

#### ➤ Which topics?

- **Femtocells**
  - get clearer picture of business models
- **UWB**
  - WIFA requirements can be taken into account
  - location tracking happens
  - get lobby on track wrt wireless USB
  - contribute to TG UWB
- **DECT**
  - in a position to cope with WIFA requirements
  - solutions available on the market
  - contribute to TC DECT
- **Exclusive spectrum allocation**
  - ETSI can help on this
  - TC ERM is the starting point
- **Architecture**
  - consider similar efforts happening in M2M, RFID, Internet of Things
  - identify right place

## Next Steps

- ❑ **Accommodation of work**
  - **Non ETSI Members: get invited by Chairman**
    - limited amount of time
  - **email correspondence**
  - **meeting participation (even remotely)**
  - **who is ready to start?**
- ❑ **Promotion**
  - **UWB promotion**
  - **DECT promotion**
- ❑ **Cooperation**
  - **Synchronization with sister organizations**
- ❑ **Next Starter Group Meeting**
  - **date?**