

Architecture TF  
Use Case TF  
Wrapup

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# Use Case TF

# Use Case Prioritization

- 15 responders by 25.6. @ noon
- Well balanced distribution of business relevant+critical use case categories
- Some were identified as horizontal use cases
- Prioritization based on discussions in the VF2F call
- 13 use case domains now have owners
- Two domains don't have an owner yet
  - Manufacturing
  - Energy/Smart Grid
- Requirements analysis work starts now
- Next architecture call will focus on use cases

# Prioritisation

Category	business critical	business relevant	useful	not interested	Priority	Timeline	Owner	Comments
Retail	3	4	5	1	1	2-4 weeks	McCool (+ David ?)	Will be discussed in POC meeting.
Audio/Video	2	5	6	0	1	?	NHK + Kaz (+Chris Needham?)	
Agriculture	2	3	7	1	1	2 weeks (greenhouse) 4 week	Matsukura-san + Cristiano	Requirement for greenhouse horticulture exists
Smart City	3	6	4	0	1	2-4 weeks	McCool + Jennifer	Will be discussed in POC meeting.
Health	3	5	2	3	2 *			Need expertise -
Manufacturing	4	5	3	1	1	?	Sebastian+Christian	
Multi Vendor System Integration	2	9	1	1	1	4 weeks	Lagally	horizontal
Multimodal System Integration	2	2	7	2	2	3-4 weeks	McCool + Kaz + Josh	horizontal
Accessibility	3	2	6	2	1			Josh Horizontal Josh: Accessibility is underrepresented, this is a horizontal requirement cross other use cases. We should work together to support accessibility
Automotive	2	4	5	2	2 *		Kaz + (Urata-san?)	Regulated, Access might be interested, .e.g Urata-san
Energy / Smart Grid	3	6	3	1	1	?	Sebastian+Christian	regulated
Transportation	3	3	6	1	2 *	?	Zoltan ?	Use case is very high level Need industry domain experience
Smart Building	4	6	2	1	1	3-4 weeks	Farshid+Sebastian (+ Andrea)	regulated
Shared Devices and Resources	4	1	6	2	1	2 weeks	Ege (+ McCool)	Horizontal
	2	6	4	1	1	4 weeks	McCool	Horizontal: Technical Feature, not a use case --> Security TF to create a requirement doc

# New Use Case Proposals

## **Cristiano Aguzzi**

- Open field smart agriculture
- Smart water management
- Building structural health monitoring
- Dynamic service migration between different service components

## **Ben Francis**

- Interactive Digital Signage

## **Michael McCool**

- AI Services
- Edge Computing
- IoT Orchestration

# Use Case TF - Roadmap

	July	August	Sept	Oct
WG Note	1st draft	Review of 1st draft	Incorporate feedback Include new UCs	WG publication
New Use Cases	Collect input	Review, Prioritization Approve for WG note inclusion	Review	Review

# Architecture TF

# 3 concurrent work items

- Architecture 1.1 spec development
  - Terminology
  - System Components
  - Lifecycle
- Profile spec development
- Requirements Analysis



# WoT Profile

The **WoT Profile** specification serves two purposes:

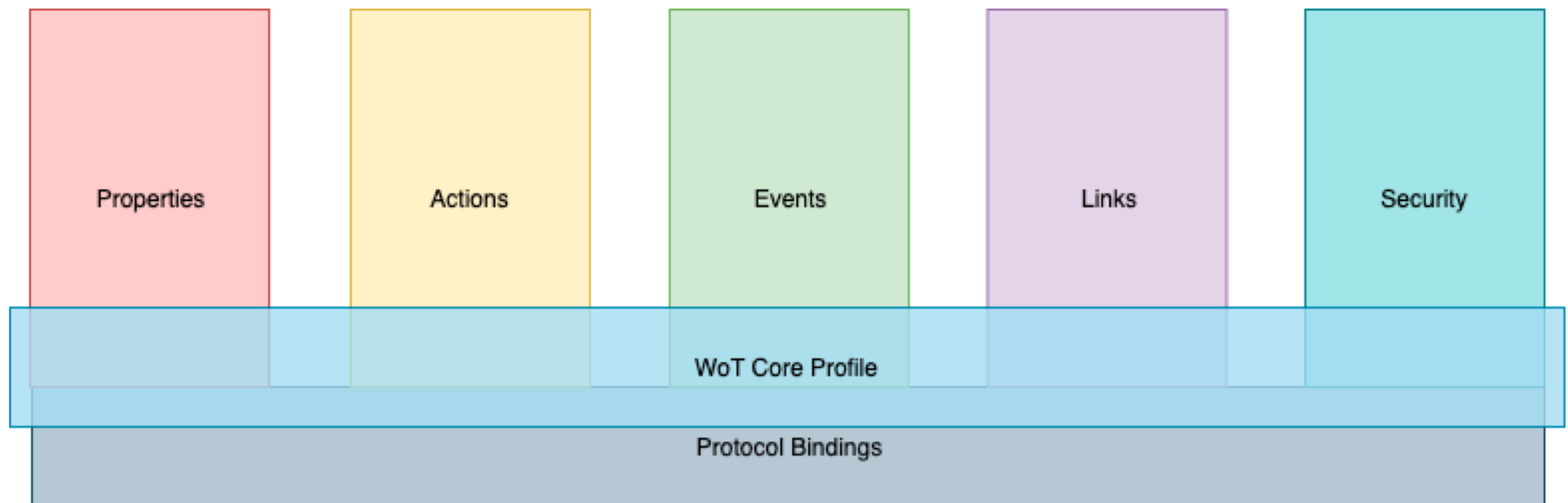
## Generic Profiling Mechanism

- to describe a profile in an unambiguous way. This mechanism can be used to define additional profiles.

## Core Profile

- Define a subset the Thing Description for use with selected protocols.
- Formalize the results of several plug-fests that were conducted by the WoT Interest Group and of tests that were conducted as part of the development.

# WoT Core Profile



# Architecture TF - Roadmap

Track	July	August	Sept	Oct
Architecture 1.1 Spec	Lifecycle chapter 1st draft New Terminology	-		
Profile Spec	Strawman Review to gather Requirements and Issues		Profile Specification 1st draft	Incorporate Review Feedback
Requirements	Profile Agriculture New Contributions	New Contributions Requirements hand over to TFs (1)	New Contributions Requirements hand over to TFs (2)	New Contributions Requirements hand over to TFs (2)
Use cases	Use cases will be treated in the UC TF. (*)	-		

\* - there may be exceptions if attendance at UC meetings is not feasible due to time zone

# References

- WoT Architecture
  - <https://github.com/w3c/wot-architecture>
- WoT Use Cases
  - <https://github.com/w3c/wot-usecases>
- WoT Requirements
  - <https://github.com/w3c/wot-architecture/tree/master/REQUIREMENTS>
- WoT Profile
  - <https://github.com/w3c/wot-profile>