W3C Web of Things Interest Group Deliverable

**Discovery and Provisioning Task Force**

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Executive Summary

To be added later

Table of Contents

History 3

Executive Summary 5

Table of Contents 6

List of Figures 7

List of tables 8

Abbreviations 9

1 Introduction 10

1.1 Document Purpose 10

1.2 Scope 10

1.3 Intended Audience 10

1.4 Contents 10

2 Discovery in WoT 11

2.1 Definition 11

3 Discovery mechanisms 12

3.1 Local 12

3.2 Remote 12

3.3 P2P 12

4 Activities in Current Standards 13

4.1 Discovery in oneM2M 13

5 WoT Framework 14

6 Conclusion 15

Acknowledgements 17

References 18

List of Figures

**No table of figures entries found.**

List of tables

Abbreviations

IoT Internet of Things

M2M Machine-to-Machine

P2P Peer-to-peer

TF Task Force

SDO Standard Development Organization

WoT Web of Things

1. Introduction

This deliverable contains the report from Discovery TF of W3C WoT IG.

* 1. Document Purpose

The document reports several aspects – (i) a definition of discovery from WoT point of view, (ii) what do we intend to discover (things or service or description), (iii) discovery mechanisms (local, remote, P2P) and (iv) activities in other SDOs like oneM2M.

* 1. Scope

This deliverable is provided within the scope of W3C WoT IG.

* 1. Intended Audience

It is targeted to researchers, engineers, industry experts and SDOs.

* 1. Contents

The structure of the deliverable is described as follows:

* Section 2
* Section 3
* Section 4
* Section 5
* Section 6
* Section 7
* Section 8
* Sections 9 and 10

1. Discovery in WoT

Provide a general description

* What is discovery – we should agree on a common description
* What do we intend to discover – is it a thing, a service, a WoT server or thing description
* Technology landscape – which ones are necessary
* Requirements and challenges
  1. Definition

1. Discovery mechanisms

This section describes the mechanisms for discovery – local, remote and P2P. Each of them should be further illustrated by examples / use cases.

* 1. Local
  2. Remote
  3. P2P

1. Activities in Current Standards

This section identifies current initiatives in SDOs like oneM2M and report the ongoing activities.

* 1. Discovery in oneM2M

1. WoT Framework

This section should provide a high-level overview of how discovery components will be integrated into an overall WoT framework.

1. Conclusion

Acknowledgements

References

1. A.