



# Discovery

Michael McCool  
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# Outline

[Agenda \(wiki\)](#) – 30m (20m presentation, 10m discussion)

1. Use Cases and Requirements (10m)
2. Work Items (5m)
3. Publication Finalization (5m)
4. Discussion: Proposed Plan (10m)

# Use Cases and Requirements

## 1. [Last charter requirements](#) - not fully satisfied:

- Support various forms of query, including keyword, template, and semantic queries (currently: no mandatory query language)
- Support spatial and sub-net limited queries (currently: no spatial queries)

## 2. [Use Cases and Requirements Document](#)

Multiple mentions, but no complete requirements

No connection from requirements to use cases

- [Horizontal “Use Case”](#)
- [Functional Requirements](#) - high level requirements
- [Technical Requirements](#) - detailed requirements

# Work Items

## Planned Work Items (prioritized)

### Higher

- Queries: Filters, JSON Path, Sort-by
- New Introductions: MQTT, OPC UA
- Other: Security (e.g. Signing), Validation, TD Versions, Version Selection

### Lower

- CoAP Directory Service
- Geolocation (queries; needs to be coordinated w/ data model in TD)
  - Propose to structure as an additional “query filter”

# Publication Finalization

1. Still need ontology for DID vocabulary related to WoT Discovery
  - <https://github.com/w3c/wot-discovery/issues/402>
  - <https://github.com/w3c/wot-discovery/issues/467>
  - <https://github.com/w3c/wot-discovery/issues/509>
  - <https://github.com/w3c/wot-discovery/pull/512>
  - <https://github.com/w3c/wot-discovery/pull/511>
2. Needs to be published at a “fetchable” URL
  - Requirement before DID will add to registry
  - <https://github.com/w3c/did-spec-registries/pull/486/files>
3. Would like to get this done before Recommendation status

# Discussion: Proposed Plan

1. Update UC&R with Discovery Requirements
  1. Follow format in [last charter requirements](#)
  2. Include already-satisfied requirements (Q: how to track this?)
  3. Link each requirement to one or more use cases
    - Will have to consider whether “categories” would be useful here
2. Link Work Items (proposed new features) to Requirements
3. Address Work items
  1. In priority order
  2. Items without dependencies first
    - e.g. signing deferred until we when when/if and what form it will take