

# P802.19.1 General Architecture

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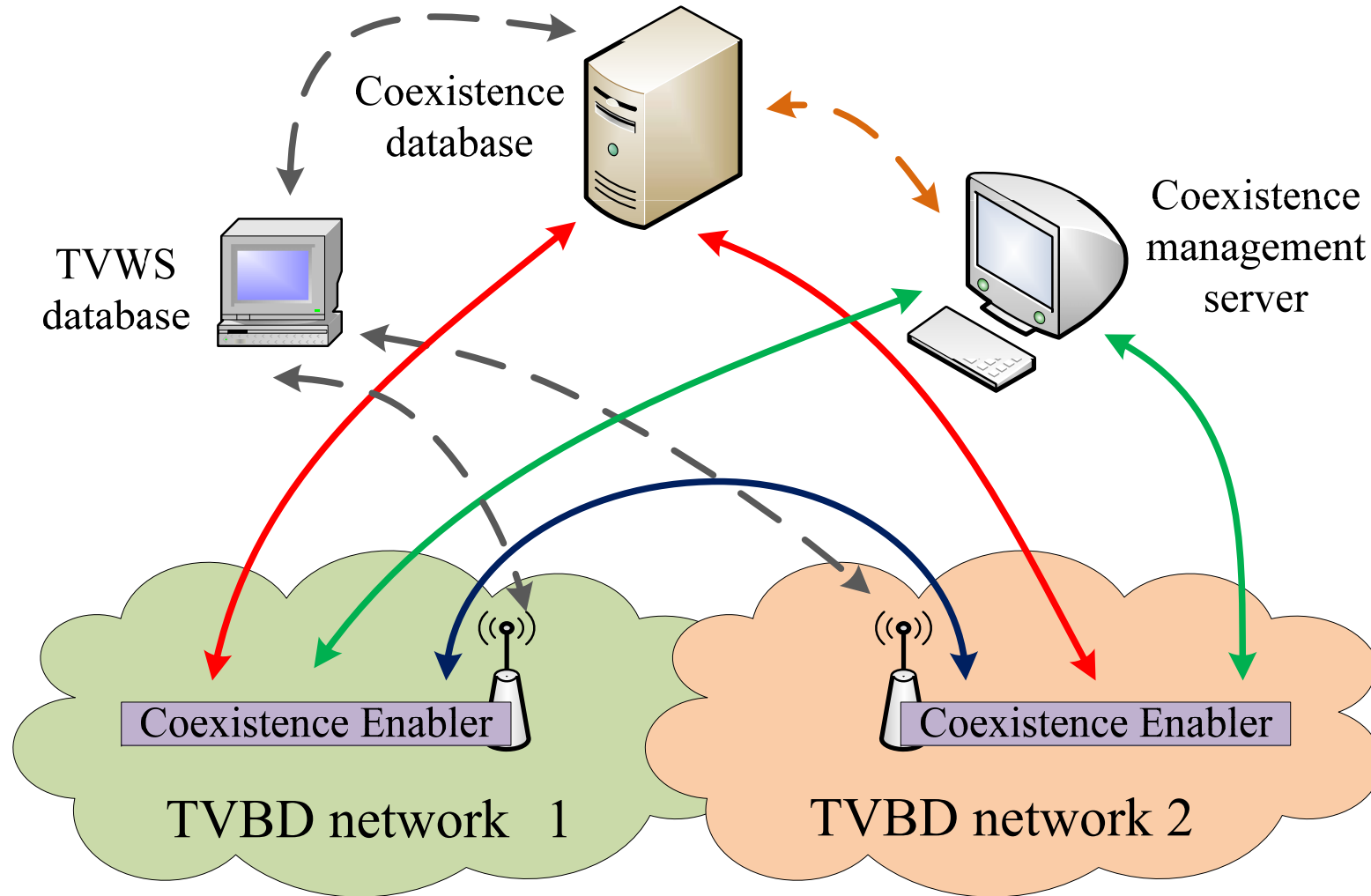
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# **Abstract**

**This contribution proposes general system architecture  
for P802.19.1**

# General system architecture 1/2



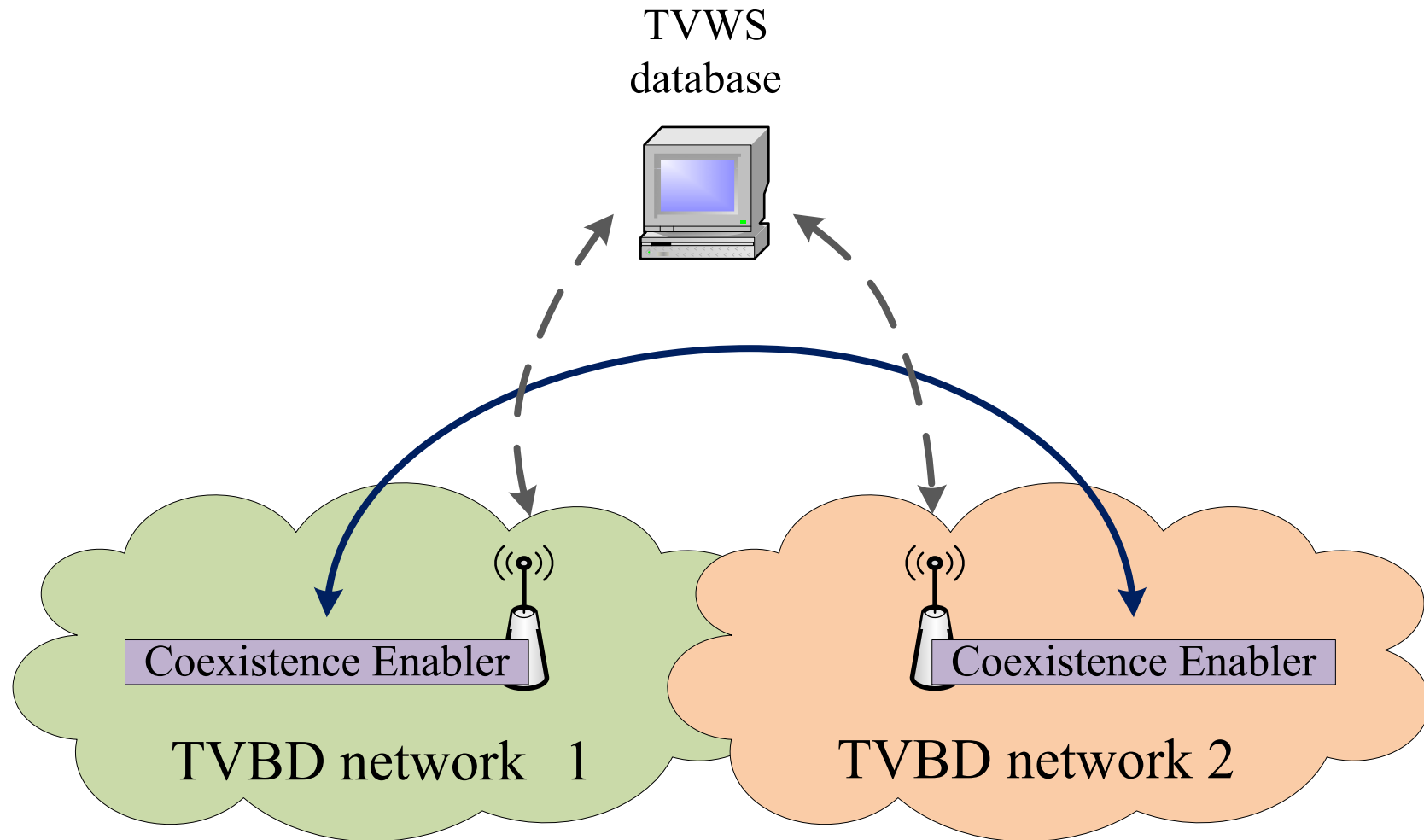
## General system architecture 2/2

- **Coexistence Database**
  - Contains information required for TVWS coexistence
  - Provides this information to Coexistence Management Server
  - Provides this information to Coexistence Enablers
- **Coexistence Management Server**
  - Makes TVWS coexistence decisions
  - Provides TVWS coexistence guidelines to Coexistence Enablers
- **Coexistence Enabler**
  - Obtains information required for TVWS coexistence
  - Provides this information to Coexistence Database
  - Exchanges this information with other Coexistence Enablers
  - Makes TVWS coexistence decisions within the guidelines (if any) received from Coexistence Management Server
  - Implements TVWS coexistence decisions

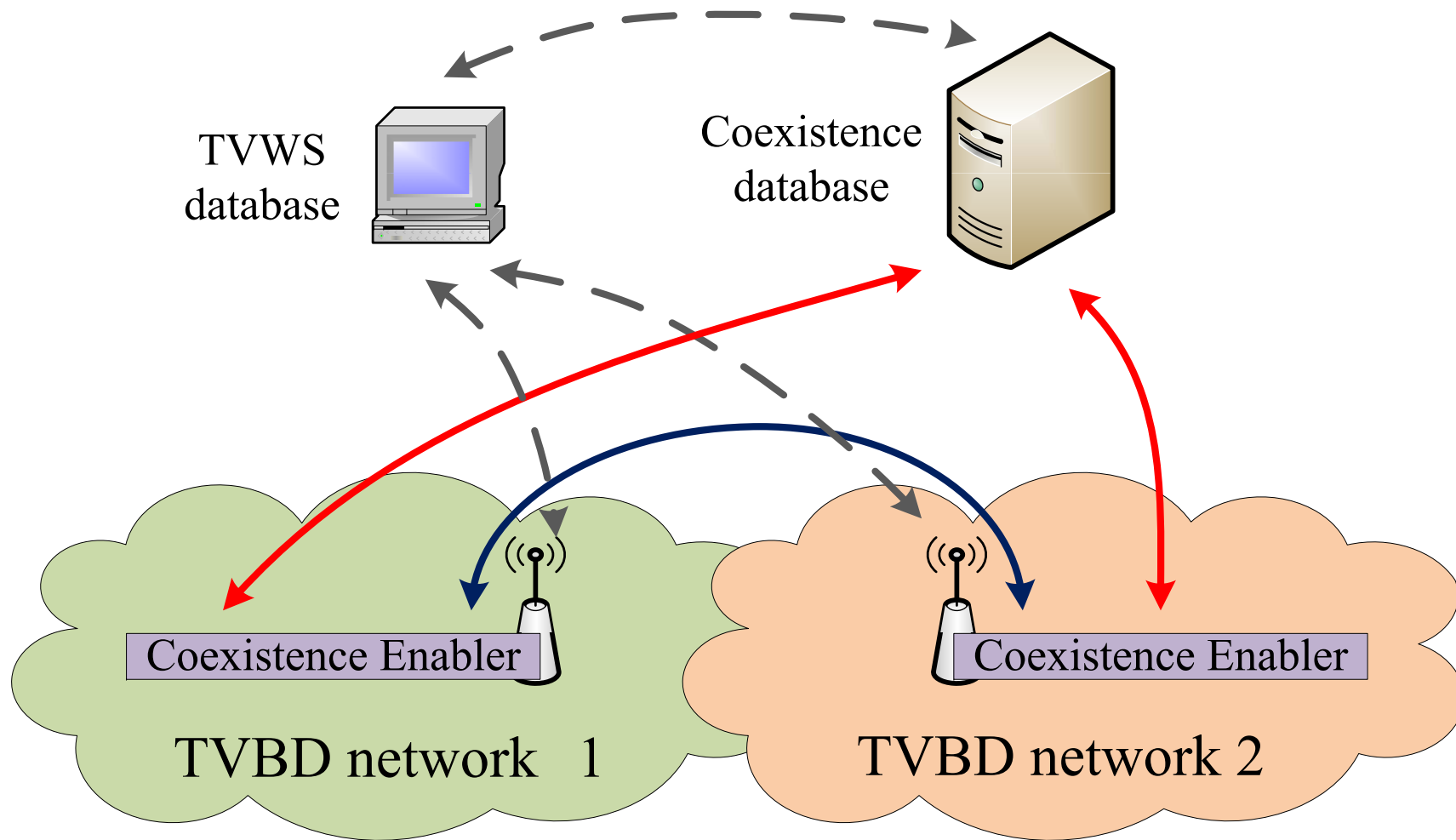
# Deployment options

- **Deployment option 1**
  - Coexistence Enablers use “direct discovery” (e.g. direct dedicated connection, wired/wireless beacon)
  - Coexistence decisions are done by Coexistence Enablers
- **Deployment option 2**
  - Coexistence Enablers use Coexistence Database for registration and discovery
  - Coexistence decisions are done by Coexistence Enablers
- **Deployment option 3**
  - TVBD networks use Coexistence Database for registration and for conveying information from Coexistence Enablers to Coexistence Management Server
  - Coexistence decisions are done in Coexistence Management Server and reconfiguration guidelines are provided to Coexistence Enablers
  - Coexistence Enablers make coexistence decisions within the guidelines received from Coexistence Management Server and implement these decisions

# Deployment option 1



# Deployment option 2







## Acknowledgement

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