Discovery of Service consumption by STAs

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Service discovery requirements

• Within the requirements document there is the explicit need for service discovery:
  • **R3.5.2:** 802.11bc amendment shall have a mechanism to facilitate the discovery of STAs consuming a particular broadcast service.
• This must be done for associated/un-associated STAs
• **Proposal is to use ANQP Request/Response originated from AP**
Operation

- AP
- Non-associated/associated STA consuming eBSC
- Non-associated/associated STA not consuming eBSC

eBSC STA Consumed Service discovery Request (ANQP Query encapsulated in GAS)

eBSC STA Consumed Service discovery Response (ANQP Query encapsulated in GAS)
Considerations

- GAS in broadcast will require all STAs (associated/non-associated) to process the message.
  - Suggestion-> Reserve a groupcast address for STA service discovery
- Discussion during January meeting on how to synchronize elements for service discovery
  - Once this discussion is completed, creating ANQP elements for STA service consumption should be straightforward
Possible parameters

- **Request:**
  - Service list

- **Response:**
  - Service list per BSSID

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AP

eBCS STA Consumed Service discovery Request [eBCS ID]
(ANQP Query encapsulated in GAS)

Non-associated/associated STA consuming eBCS-ID

Non-associated/associated STA NOT consuming eBCS-ID

eBCS STA Consumed Service discovery Response [BSSID, eBCS ID]
(ANQP Query encapsulated in GAS)
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