

Discovery Information data type of MEDIA_SAP

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Abstract

- **This contribution introduces proposal on modification of the DiscoveryInformation data type definition of the COEX_MEDIA_SAP**

Current definition

DiscoveryInformation ::= SEQUENCE{
 geolocation **Geolocation**
 maxTxPower **REAL,**
 rxSensitivity **REAL,**
 antennaGain **REAL,**
 minReqSNR **REAL,**
 TolerableInterferenceLevel **real,**
 antennaHeight **REAL,**
 ...
}

Proposed definition

```
DiscoveryInformation ::= SEQUENCE{
    geolocation                Geolocation,
    maxTxPower                REAL,
    minTxPower                REAL,
    powerControlResolution    REAL,
    rxSensitivity             REAL,
    antennaGain               REAL,
    minReqSNR                 REAL,
    tolerableInterferenceLevel REAL,
    RSSI                      REAL,
    tolerableInterferenceLevelOfSTA REAL,
    antennaHeight             REAL,
    maxNumOfSTAs              INTEGER,
    ...
}
```

Rationale

- **minTxPower and powerControlResolution** are needed for power control
- **RSSI, tolerableIntererenceLevelOfSTA, and maxNumOfSTAs** are needed for neighbor discovery