

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,
    rxSensitivity             REAL,
    antennaGain              REAL,
    minReqSNR                REAL,
    tolerableInterferenceLevel REAL,
    RSSI                     REAL,
    tolerableInterferenceLevelOfSTA REAL,
    antennaHeight            REAL,
    maxNumOfSTAs            INTEGER,
    ...
}
```

Rationale

- **RSSI, tolerableIntererenceLevelOfSTA, and maxNumOfSTAs** are needed for neighbor discovery