DiscoveryInformation data type of MEDIA_SAP

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Authors:

Name	Company	Address	Phone	email
Stanislav Filin	NICT	3-4, Hikarino-oka, Yokosuka, Kanagawa, Japan, 239-0847		sfilin@nict.go.jp
Junyi Wang	NICT	3-4, Hikarino-oka, Yokosuka, Kanagawa, Japan, 239-0847		junyi.wang@nict.go.jp
Hiroshi Harada	NICT	3-4, Hikarino-oka, Yokosuka, Kanagawa, Japan, 239-0847		harada@nict.go.jp

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