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| Re: | Recirc | |
| Abstract | Certificate Profile for x.509 BS Certificates in 802.16e | |
| Purpose | Acceptance into TGe Draft document | |
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Certificate Profile for x.509 BS Certificates in 802.16e

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1 Problem Statement

802.16e adds BS certificates but does not include a BS Certificate profile.

2 Specific text changes

[Add new section 7.6.1.4.3]

7.6.1.4.3 Operator certificate

countryName=<Country of Operation>
[stateOrProvinceName=<state/province>]
[localityName=<City>]
organizationName=<Name of Infrastructure Operator>
organizationalUnitName=WirelessMAN
[organizationalUnitName=<Operation Location>]
commonName=<Company Name> <Certification Authority>

The countryName, organizationName, and commonName attributes shall be included and shall have the values shown. The organizationalUnitName having the value “WirelessMAN” shall be included. The organizationalUnitName representing deployment location should be included. If included, it shall be preceded by the organizationalUnitName having value “WirelessMAN.” The stateOrProvinceName and localityName may be included. Other attributes are not allowed and shall not be included.

[Add new section 7.6.1.4.4]

7.6.1.4.4 BS certificate

countryName=<Country of Operation>
organizationName=< Name of Infrastructure Operator>
organizationalUnitName=<WirelessMAN>
commonName=<Serial Number>
commonName=<BS Id>

The BS Id field shall contain the operator-defined BSId¹. It is expressed as six pairs of hexadecimal digits separated by colons (:), e.g., “00:60:21:A5:0A:23.” The Alpha HEX characters (A-F) shall be expressed as uppercase letters.

The attributes listed above shall be included. Other attributes are not allowed and shall not be included.

[Modify 7.6.1.6 as follows:]

7.6.1.6 tbsCertificate.issuerUniqueID and tbsCertificate.subjectUniqueID

The issuerUniqueID and subjectUniqueID fields shall be omitted for all ~~both~~ of the PKM's certificate types.

¹ Consequently the BS certificate is often issued by the Operator, as the BSId is an operator-defined value