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| Project | **IEEE 802.21a** **<https://mentor.ieee.org/802.21>** |
| Title | **Proposed remedy for Comment #229 in LB5a** |
| DCN | 21-11-00xx-00-0sec |
| Date Submitted | **March 17, 2011** |
| Source(s) | Subir Das (Telcordia ) |
| Re: |  |
| Abstract | This document contains remedies to 802.21a/D02 associated  |
| Purpose | Proposes changes in the current draft |
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| Ref. | 001 |
| DRAFT SECTION | 7.4.1.1.2 and beyond  |
| Modification type | REPLACE  |
| Text | MIH\_Capability\_Discover.request (DestinationIdentifier,LinkAddressList,SupportedMihEventList,SupportedMihCommandList,SupportedIsQueryTypeList,SupportedTransportList,MBBHandoverSupport,SupportedSecurityCapList,*Insert the following* *parameters:*

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| --- | --- | --- |
| **Name** | **Data type** | **Description** |
| SupportedSecurityCapList | MIH\_SEC\_CAP | List of supported MIH secu­rity capabilities on the local MIHF. |

 Reflect these changes in 7.4.1.2.2, 7.4.1.3.2, 7.4.4.2 for indication, response and confirm primitives. (Note: For .response, .indication and .confirm primitives, reflect the Description appropriately.) Annex L:

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| --- | --- | --- |
| *Insert the following TLVs to Table L.2.***TLV type Name** | **TLV type value** | **Data type** |
| Security | 64 | SECURITY |
| Session ID | 65 | OCTET\_STRING |
| Security capability TLV  | 66 | MIH\_SEC\_CAP |
| KeyLifeTime | 67 | LIFETIME |
| AUTH | 68 | AUTH\_VALUE |

Add the the following data types in table F.24 Data type for security under clause F.3.16 as first few rows

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| --- | --- | --- |
| Data Type | Derived from | Definition |
| MIH\_SEC\_CAP | SEQUENCE( TLS\_CAP, EAP\_CAP),  | A data type to addess the MIH security capabilitites |
| TLS\_CAP | BOOLEAN | TLS-generated SA capability.TRUE: (D)TLS SupportedFALSE: (D)TLS not supported |
| EAP\_CAP | CHOICE(NULL,SEQUENCE(KEY\_DIST\_LIST, INT\_ALG\_LIST,CIPH\_ALG\_LIST,KDF\_LIST)) | EAP-generated SA capability. When NULL is chosen, EAP-generated SA is not supported. When SEQUENCE is chosen, EAP-generated SA is supported  |

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