## 6.3.37.5.1 Simplified Network Entry with Authentication

1. With Authentication, there is an intermediate message sent from BS to MS.
2. The Network Attach Response message which is sent during simplified network entry without Authentication is replaced by two messages.
	1. PreAuth Network Attach Response
	2. PostAuth Network Attach Response
3. The message PreAuth Network Attach response message contains basic CID, primary CID and authentication parameters necessary for the remote to enter Authentication phase.
4. After completing Authentication, the BS shall send PostAuth Network Attach Response message to MS.



**Figure 6-225—Simplified network entry with authentication**

## PreAuth Network Attach Response Message format

|  |  |  |
| --- | --- | --- |
| Syntax | Size(bit) | Notes |
| PreAuth\_Network\_Attach\_Response () { | --- | ---- |
| Management Message Type  | 8 | 42 |
| MS MAC Address | 24 | The least significant 24 bits of the MS MAC address. |
| Basic CID | 8 | Basic CID assigned by BS. |
| Primary Management CID | 16 | Primary Management CID assigned by BS. Security Support Parameters |
| Authentication Type | 3 | 0 : Security disabled1 : EAP TLS 2 : EAP TTLS\_CHAP 3 : EAP TTLS\_MS\_CHAP4 : MS\_CHAPv25 : PKMv36 -7 : Reserved |
| Encryption Type | 1 | 0 : Security Supports AES 128 Encryption method 1 : Security Supports AES 256 Encryption method |
| Reserved | 4 | Unused |
| } | --- | ---- |

## PostAuth Network Attach Response Message format

|  |  |  |
| --- | --- | --- |
|  Syntax | Size(bit) | Notes |
| PostAuth\_Network\_Attach\_Response () { | --- | ---- |
| Management Message Type  | 8 | 43 |
| Response Message | 1 | 0: Accept 1 : Reject |
| If (Response Message = = Accept) { | --- | --- |
| BS MAC Address | 24 | The least significant 24 bits of the Base Station MAC address. |
| BS IP Address | 32 | IPv4 Address |
| Mobility Features Support | 3 | 0: Mobility (HO) support1: Sleep mode support2: Idle mode support |
| Reserved | 4 |  |
| } | --- | ---- |
| else if (Response Message = =Reject) { | --- | ---- |
| Reason  | 7 | 0 : Capabilities Mismatch, Others: Not specified  |
|  } | --- | ---- |
| } | --- | ---- |

##### Table 6-331—Network Attach Request message format

|  |  |  |
| --- | --- | --- |
| **Syntax** | **Size (bit)** | **Notes** |
| Network\_Attach\_Request () { | --- | --- |
| Management Message Type | 8 | 19 |
| MS Mac Address | 4 |  |
| Authentication Type | 3 | 0: Security disabled1: EAP TLS2: EAP TTLS\_CHAP3: EAP TTLS\_MS\_CHAP4: MS\_CHAPv2 5 : PKMv36 -7 : Reserved |
| Encryption Type | 1 | 0: Security supports AES 128 Encryption method1: Security supports AES 256 Encryption method |
| DL FEC Code | 4 | Maximum DL FEC Code |
| UL FEC Code | 4 | Maximum UL FEC Code |
| *Reserved* | 4 | Unused |
| } |  |  |