AUN3 Device
5G-RG
W-AGF
AMF/ SEAF
AUSF
UDM
NSSAAF
AAA Server
1. Layer 2 connection
2. L2(EAP-Request/Identity)
3. L2(EAP-Response/Identity (NAI))
4. Registration Request (SUCI, AUN3_Indicator)
5. Nausf_UEAuthentication_AuthenticateRequest (SUCI, SN-name, AUN3_indicator)
6. Nudm_UEAuthentication_Get_Request (SUCI, SN-name, AUN3_indicator)
7. Authentication Method Selection
8. Nudm_UEAuthentication_Get_Response (SUPI, AuthAAA)
9. Nnssaaf_AIWF_Authentication_Request (SUPI)
10. AAA(EAP Response/ Identity (SUPI)
11. EAP based Primary Authentication
12. AAA(EAP Success (SUPI, MSK)
13. Nnssaaf_AIWF_Authentication_Response (EAP Success, SUPI, MSK)
14. Nudm_UEAU_ResultConfirmation_Request (SUPI)
15. UDM stores authentication status
16. Nudm_UEAU_ResultConfirmation_Responset
17. Nausf_UEAuthentication_AuthenticateResponse (EAP Success, SUPI, MSK)
18. Authentication Result (EAP Success, MSK)
19. L2(EAP Success)
20a. Derive WLAN key from PMK
20b. Derive WLAN key from PMK
21. Establish WLAN security (4-way handshaking)
22. Local IP configuration