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Summary or cham	A note is added to section 6.1.5, stating that when subscriber certificates are available, the alternative mechanisms in Annex E is used and the existing											
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6.1.5 Mechanisms for the set up of UE-initiated tunnels (Scenario 3)

- The WLAN UE and the PDG use IKEv2, as specified in [ikev2], in order to establish IPSec security associations.
- Public key signature based authentication with certificates, as specified in [ikev2], is used to authenticate the PDG
- EAP-AKA within IKEv2, as specified in [ikev2, section 2.16], is used to authenticate WLAN UEs, which contain a USIM.
- EAP-SIM within IKEv2, as specified in [ikev2, section 2.16], is used to authenticate WLAN UEs, which contain a SIM and no USIM.
- A profile for IKEv2 is defined in section 6.5.

NOTE: When a HPLMN's WLAN subscribers for scenario 3 have subscriber certificates available, the alternatives presented in Annex E is used.

Editor's note: The discussion on the security mechanisms for the set up of UE initiated tunnels is still ongoing in SA3. The text in this section reflects the current working assumption of SA3. Alternatives still under discussion in SA3 are contained in Annex. E. They may replace the current working assumption in this section if problems with the working assumption arise. Otherwise, Annex E will be removed before the TS is submitted for approval. The above points on the use of IKEv2 are dependent on the analysis of the open issues on legacy VPN clients and key management; in particular, the use of EAP AKA and EAP SIM will be studied.

****** END OF CHANGES TO SECTION 6.1.5 **********************

******** SECOND SET OF CHANGES TO ANNEX E *******************

Annex E: (informativeNormative):

Alternative Mechanisms for the set up of UE-initiated tunnels (Scenario 3)

When a HPLMN's WLAN subscriber for scenario 3 have subscriber certificates available, one of the alternatives presented here shall be used.

Editor's note: The discussion on the security mechanisms for the set up of UE initiated tunnels is still ongoing. The text in section 6.1.5 reflects the current working assumption of SA3. Alternatives still under discussion in SA3 are contained in this Annex. They may be replace the current working assumption in section 6.1.5 of the main body if problems with the working assumptions arise. Otherwise, this annex will be removed before the TS is submitted for approval.

E.1 IKE with subscriber certificates

- The UE and the PDG use IKE, as specified in [rfc2409], in order to establish IPsec security associations.
- Public key signature based authentication with certificates, as specified in [rfc2409], is used in order to authenticate the PDG and the UE.
- A profile for IKE is defined in section 6.5.

E.2 IKEv2 with subscriber certificates

- The UE and the PDG use IKEv2, as specified in [ikev2], in order to establish IPSec security associations.
- Public key signature based authentication with certificates, as specified in [ikev2], is used in order to authenticate the PDG and the UE.
- A profile for IKEv2 is defined in section 6.5.

