11 Security-oriented mechanisms

- 11.1 Introduction
- 3 [omitted]
- 11.2 Overview of SIEPON.4 security architecture
- 5 [omitted]
- 11.3 Authentication of the ONU
- [omitted]
- 11.4 Initial key establishment 8
- 9
- Once the ONU and OLT have completed the authentication exchange, the initial AES-128 encryption key shall be established by both parties from the least-significant 128 bits (16 octets) of the MSK, which is derived from the TLS 1.3 ephemeral session key as described 10
- in RFC-9190 section 2.3. 11
- The initial key is used by the OLT to encrypt the MLID channel for distribution of a new session key to the ONU. See section 11.5 for 12
- 13 details on the session key distribution protocol.