



## 6.5 Access link data integrity

### 6.5.1 General

Most ~~RRC, MM and CC~~ control signalling information elements that are sent between the MS and the network are considered sensitive and must be integrity protected. A message authentication function shall be applied on these signalling information elements transmitted between the MS and the SN.

The UMTS Integrity Algorithm (UIA) shall be used with an Integrity Key (IK) to compute a message authentication code for a given message.

After the RRC connection establishment and execution of the security mode set-up procedure, all dedicated MS <-> network control signalling messages (e.g. RRC, MM, CC, GMM, and SM messages) shall be integrity protected.- The Mobility Management layer in the MS supervises that the integrity protection is started (see-6.5.4 section 6.4.5)

All signalling messages except the following ones shall then be integrity protected:

— ~~Notification~~

- Paging Type 1
- RRC Connection Request
- RRC Connection Setup
- RRC Connection Setup Complete
- RRC Connection Reject
- ~~All System Information messages~~ (broadcasted information).