

To: 3GPP TSGs R3
Source: TSG S3
Title: Cipherring in the case of multiple RABs

In an LS to S3 from R3 (R3-99790), the following questions were asked regarding the use of cipherring when more than one Radio Access Bearer is assigned to a user:

- if cipherring is requested, should all the Radio Access Bearers used by a single user be all ciphpered?
- or should it be provided the possibility to only cipher a subset of the Radio Access Bearers?

S3 can confirm that it is not necessary to provide a mechanism where only a subset of simultaneous Radio Access Bearers assigned to a single user are ciphpered. Moreover, even when security is provided at the application layer for a subset of the Radio Access Bearers (e.g. data bearers supporting secure IP services), access link encryption should still be applied to these bearers.