

draft-minaburo-lpwan-nbiot-hc-02

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Changes from the last version

- Define the uses cases
 - Place of SCHC entities in the architecture
 - The use of Compression and/or Fragmentation
 - When fragmentation which mode
- Rule ID depends on user subscription limitations

Send to appendix the 3GPP information



Use Case: IP based data transmission

- Data over User Plane
 - Place of SCHC entities
 - Use of SCHC Compression only
 - Future: Transparent Mode
 - Fragmentation may be used

```
+ PDCP
(SCHC)
                + (SCHC)|
                + RLC
           C-Uu/
                                                      SGi
           LTE+Uu
                                            C-SGN
 CIOT/
                     C-BS/eNB
LTE eMTC
  UE
```



IP based data transmission

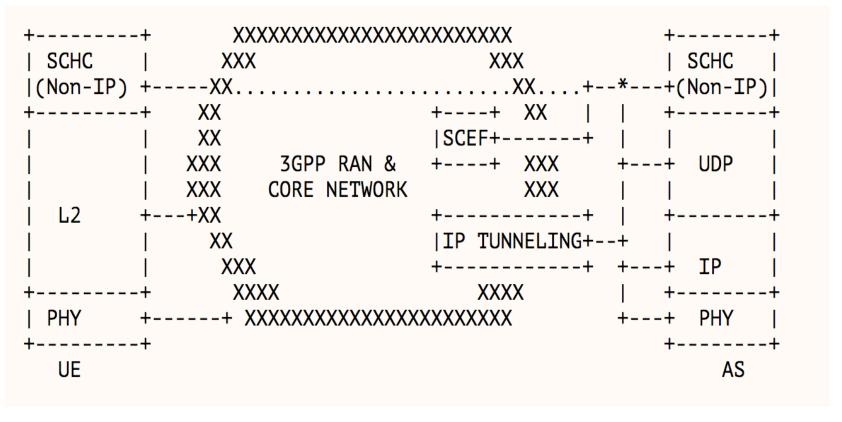
- Data over Control Plane
 - IP and Non-IP data
 - Place of SCHC entities
 - When IP data
 - SCHC Compression
 - When Non-IP
 - SCHC Compression
 - and Fragmentation

```
IP/
 Non-IP
                                              Non-IP
NAS
                                       NAS
                                             IGTPIC/U
(SCHC)
                                     (SCHC)
                                 -+ S1|AP
                                               UDP
                                            | IP
                                            | L2
          C-Uu/
                            S1-lite
                                                        SGi
  CIOT/
         LTE-Uu
                   C-BS/eNB
                                         C-SGN
                                                                PGW
LTE eMTC
  UE
```



Use Case: Non-IP based data transmission

- Compressed Packets from the Application Layer
- Use of IP tunnels
- Use of Compression
- & Fragmentation





• Do we accept it as WG document?



Thank you

• Questions?