Status for Frame Structure Signaling Harmonization (176, 193, 235, 236, 13r1)

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None

Purpose:

TG Meeting organization

RS Zone Location Signaling

- Agree the need to support the indication of the beginning of the first RS zone in DL MAP for the following reasons:
  - Initial network entry to enable RS to switch from MS mode to RS mode
  - To recover if RS lose the R-FCH
  - To notify MS to ignore the relay zone
- Solutions to harmonize
  - STC_ZONE switch IE: 4 or 5 bytes overhead for DL, 4 bytes for UL, issue is that MS may not be able to ignore relay zone in certain case, for example, for CINR measurement.
  - FCH: Not enough bits , no additional overhead (use 4 reserve bits)
- Agreed to use GAP/PAPR/Safety
  - slightly less overhead if CID is not included for DL (one byte less), same on UL, cleaner solution. For DL, need reuse bits either for boosting or repetition bit.
- Agree to use R-FCH (7 bits) to indicate the location of relay zone in the next frame

R-FCH format

- Agreed the following fields
  - 6 bits for subchannel bitmap
  - 7 bits for the pointer to the relay zone in next frame
  - 1 bit for repetition
  - 5 bits for FEC code type and modulation type for R-MAP (CTC and LDPC)
  - 5 bits for DL MAP length (?)
- Issues or questions for the group:
  - Need to decide whether we need 4 subchnnels to carry 24 bits, or to carry 48 bits or reduce the number of subchnnels?
    - TG group feels that to keep the same design as .16e
  - Do we use the standard DL MAP or new design to reduce the MAP length?
    - Need to carefully design R-MAP to minimize the overhead compared with .16e, otherwise, we will lose the purpose of relay.

Configuration of RS frame structure

- We agree to use MAC message to configure RS frame structure during the initial network entry by combining fields from Samsung/Nortel configuration message (will edit based on format in Samsung's contribution, double check if contains all the field and make sure the configuration can support multi-frame with partition).