IETF 103 hackathon feedback

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Hackathon goals

1- design a reference, open-source, free SWiF (Sliding WIndow Fec) codec

- facilitate tests, experiments and adoption

2- challenge our API I-D

3- also test our "FEC/NC for dummies" document…

- first time IETF participant training

Achievements

- **fixed several issues in draft-roca-nwcrg-generic-fec-api I-D**
  - see later…

- **laid out the github repository**

- **major progress on the encoder**
  - even it is still does not compile
  - leave decoder and further improvements to future hackathons

However…

- **need more manpower for next IETF 104 Hackathon**
  - those of you who already did something similar are expected to join ;-)

  - but it remains open to all who have C programming skills (or not)

  - remote participation possible

  - everything is here: https://github.com/irtf-nwcrg/swif-codec

About draft-roca-nwcrg-generic-fec-api-04

- **new -04 version submitted to take into account hackathon feedback**

- **summary:**
  - ✓ **code reorganization**
    - ○ remove forward dependencies and enable direct compilation
  - ✓ **removed:** `swif_encoder_add_source_symbol_tab_to_coding_window ()` **that is redundant with the single source symbol version**
  - ✓ **added:** `swif_encoder_get_coding_window_information ()` **for the application to easily retrieve encoding window key information**
    - ○ esi of 1st and last source symbol, number of source symbols
  - ✓ **plus typos, etc.**

About draft-roca-nwcrg-generic-fec-api-04 (2)

- **would like to ask for RG adoption**

- **API I-D and SWiF codec hackathon project are supposed to evolve in parallel**