```
bool
            +fr1_non_shared_fdd
                 r16_present
            +fr1 non shared tdd
                r16 present
            +fr1 shared tdd r16
               present
              +fr2 r16 present
asn1::rrc nr::pucch
grp carrier types r16 s
        pack()
        unpack()
        to ison()
   +
            +pucch group map r16
                +pucch tx r16
asn1::rrc nr::two pucch
 grp cfg params r16 s
        pack()
   +
        unpack()
        to json()
```