German text Enigma procedures:

* Umlauted letters (ä, ö, and ü) are represented by: a, o, and u.
* C is used instead of CH.
* ß is represented by an S
* Periods after abbreviations generally omitted.
* Abbreviations are generally varied. Users were not supposed to use uniformly abbreviated words.
* Position, course, speed and d/f bearings:
  + Quadrat = QU (Square)
  + Grossquadrat = GRQU (Large Square)
  + Festpunkt = FPKT (Fixed Point)
  + Seemeile(n) = SM (Nautical Mile(s))
* Numbers generally spelled out (may not be the case for Abwher as it had an alt symbol set)
* Dashes, quotations, underlining, etc. are designated by adding a “J” before and after the word (i.e. J ACHTUNG J)
* Punctuation:
  + Period = X
  + Colon = XX
  + Question Mark = UD
  + Comma = Y
  + Slant, dash, hyphen = YY
  + Parenthesis = KK
* Numbers are written out: 223 = ZWO ZWO DREI
* Series of numbers separated by a , use the Y: M 4, 7, 11 = MMM VIER Y SIEBEN Y ELF
* German numbers use a comma where we use a decimal point
* Messages are padded with random letters to achieve 4 letter groups
* Maximum message length: 250 characters (50 five letter groups)