

4.4.4.1 Sequence number (seqNum) field

The sequence number field is generated by the mapper and constitutes of three independently sized fields, whose sizes depend on two variables p and q. The ~~field from bits~~ p up to and including 31 ~~is constitute~~ the p-counter field and the ~~field from bits~~ q to p-1 ~~is constitute~~ the q-counter field.

Figure 4-7 illustrates the composition of different fields that together form the **timeStampsequence number field**. The following rules shall apply:

- a) $0 \leq p < 32$ and
- b) $0 \leq q \leq p$ and (if $q=p$ then the **q-counter** is not present).

~~The field from p up to and including 31 is the p-counter field and the field from q to p is the q-counter field.~~ At minimum the **p-counter** field shall exist. The other two fields may exist based on the p and q values. Each RoE flow that uses sequence numbers shall have its own instance of **p-counter** and **q-counter**. Each of the fields is initialized to a known value on the first use of the sequence number. Note that the **.seqNumPMax**, **.seqNumPIncProp**, **.seqNumQMax**, **.seqNumQInc**, **.seqNumQIncProp**, and **.seqNumRsvd** values shall remain unchanged during the lifetime of the RoE flow but each flow may have different values for these parameters.