SUMMARY

[6] Non-limiting and exemplary embodiments facilitate providing communication apparatuses and communication methods for control signaling in context of EHT WLAN.

[7] According to an aspect of the present disclosure, there is provided a communication apparatus comprising circuitry which, in operation, generates a transmission signal comprising a plurality of user fields and a data field, the data field comprising a plurality of resource units (RUs); and a transmitter, which, in operation, transmits the generated transmission signal, wherein a single transmission scheme is applied to one or more RUs of the plurality of RUs, which are assigned to another communication apparatus, and wherein one or more user fields of the plurality of user fields are addressed to the another communication apparatus and a number of the one or more user fields addressed to the another communication apparatus is equal to a number of the one or more RUs assigned to the another communication apparatus, and the one or more user fields addressed to the another communication apparatus correspond to the one or more RUs assigned to the another communication apparatus respectively.

[8] According to another aspect of the present disclosure, there is provided a communication apparatus comprising a receiver, which, in operation, receives a signal comprising a plurality of user fields and a data field, the data field comprising a plurality of RUs; and circuitry, which, in operation, processes the received signal, wherein a single transmission scheme is applied to one or more RUs of the plurality of RUs, which are assigned to the communication apparatus, and wherein one or more user fields of the plurality of user fields are addressed to the communication apparatus and a number of the one or more user fields addressed to the communication apparatus is equal to a number of the one or more RUs assigned to the communication apparatus, and the one or more user fields addressed to the communication apparatus correspond to the one or more RUs assigned to the communication apparatus respectively.

[9] According to yet another aspect of the present disclosure, there is provided a communication method comprising generating a transmission signal comprising a plurality of user fields and a data field, the data field comprising a plurality of RUs; and transmitting the generated transmission signal, wherein a