SUMMARY

[6] Non-limiting and exemplary ~~embodiment~~examples facilitate providing communication apparatuses and communication methods for prioritized traffic, more particularly low latency traffic in context of EHT WLAN.

[7] In a first ~~embodiment~~aspect, the present disclosure provides a communication apparatus comprising: a receiver, which, in operation, receives from another communication apparatus a notification of one or more priority service periods (SPs), each SP being a time period in which only frames belonging to a traffic type designated by the other communication apparatus are allowed to be transmitted; and circuitry, which, in operation, determines if at least one frame of the designated traffic type is to be transmitted in one of the one or more SPs, and refrains from transmitting during the one of the one or more SPs in response to the determination that there are no frames of the designated traffic type to be transmitted.

[8] In a second ~~embodiment~~aspect, the present disclosure provides a communication method performed by a communication apparatus comprising: receiving from another communication apparatus a notification of one or more priority service periods (SPs), each SP being a time period in which only frames belonging to a traffic type designated by the other communication apparatus are allowed to be transmitted; determining if at least one frame of the designated traffic type is to be transmitted in one of the one or more SPs; and refraining from transmitting during the one of the one of more SPs in response to the determination that there are no frames of the designated traffic type to be transmitted.

[9] It should be noted that general or specific ~~embodiment~~examples may be implemented as a system, a method, an integrated circuit, a computer program, a storage medium, or any selective combination thereof.

[10] Additional benefits and advantages of the disclosed ~~embodiment~~examples will become apparent from the specification and drawings. The benefits and/or advantages may be individually obtained by the various ~~embodiment~~examples and features of the specification and drawings, which need not all be provided in order to obtain one or more of such benefits and/or advantages.