**WHAT IS CLAIMED IS:**

1. A method comprising:

receiving, at a terminal device, information indicating a plurality of configured grant resources and a plurality of hybrid automatic repeat request, HARQ, processes, the plurality of HARQ processes forming a common pool of HARQ processes which is shared by the plurality of configured grant resources, wherein the plurality of configured grant resources are configured in one bandwidth part;

determining, by the terminal device, from the plurality of HARQ processes, available HARQ processes for transmission and/or retransmission based at least on a timer of the respective HARQ process;

selecting, by the terminal device, a HARQ process from the available HARQ processes; and

transmitting, by the terminal device, data on one of the plurality of configured grant resources using the selected HARQ process.

2. The method of claim 1, wherein the selecting the HARQ process from the plurality of HARQ processes comprises:

extracting, from the information, criteria for selection of the HARQ processes; and

selecting the HARQ process from the plurality of HARQ processes based on the criteria.

3. The method of claim 1, wherein the selecting the HARQ process from the plurality of HARQ processes comprises:

determining, from the plurality of HARQ processes, a set of available HARQ processes;

determining a priority of the data; and

selecting the HARQ process from the set of available HARQ processes based on the priority of the data.

4. The method of claim 3, wherein the priority of the data is determined based on at least one of:

a priority of a logical channel/logical channel group to which the data belongs,

a buffered time of the data, and

a priority of a traffic to which medium access control (MAC) control element (CE) contained in the data relates.

5. The method of claim 1,

wherein the data is a retransmitted data,

wherein the one of the plurality of configured grant resources is different from a configured grant resource of an initial data transmission, and

wherein the configured grant resource and the one of the plurality of configured grant resources have the same transmission block size.

6. A method comprising:

generating, at a network device, information indicating a plurality of configured grant resources and a plurality of hybrid automatic repeat request, HARQ, processes, the plurality of HARQ processes forming a common pool of HARQ processes which is shared by the plurality of configured grant resources, wherein the plurality of configured grant resources are configured in one bandwidth part;

transmitting, by the network device, the information to a terminal device; and

receiving, by the network device, data from the terminal device on one of the plurality of configured grant resources using a HARQ process from the plurality of HARQ processes, wherein the HARQ process is selected by the terminal device from available HARQ processes, wherein available HARQ processes for transmission and/or retransmission are determined, by the terminal device, from the plurality of HARQ processes, based at least on a timer of the respective HARQ process.

7. The method of claim 6, wherein the generating the information comprises:

generating criteria for selection of the HARQ process; and

adding the criteria to the information.

8. The method of claim 6, wherein the information indicates at least one of:

a first set of HARQ processes from the plurality of HARQ processes, the first set of HARQ processes being used for data with priorities higher than a threshold priority;

a second set of HARQ processes from the plurality of HARQ processes, data with priorities lower than a threshold priority being only allowed to use the second set of HARQ processes;

a third set of HARQ processes from the plurality of HARQ processes, the third set of HARQ processes being used for one of the plurality of configured grant resources;

a threshold number of available HARQ processes in the plurality of HARQ processes; and

the threshold priority.

9. The method any one of claims 6 to 8,

wherein the data is a retransmitted data,

wherein the one of the plurality of configured grant resources is different from a configured grant resource of an initial data transmission, and

wherein the configured grant resource and the one of the plurality of configured grant resources have the same transmission block size.

10. A terminal device comprising:

at least one processor; and

at least one memory including computer program codes;

the at least one memory and the computer program codes are configured to, with the at least one processor, cause the terminal device to:

receive information indicating a plurality of configured grant resources and a plurality of hybrid automatic repeat request, HARQ, processes, the plurality of HARQ processes forming a common pool of HARQ processes which is shared by the plurality of configured grant resources, wherein the plurality of configured grant resources are configured in one bandwidth part;

determine, by the terminal device, from the plurality of HARQ processes, available HARQ processes for transmission and/or retransmission based at least on a timer of the respective HARQ process;

select a HARQ process from the available HARQ processes; and

transmitting data on one of the plurality of configured grant resources using the HARQ process.

11. The terminal device of claim 10, wherein the at least one memory and the computer program codes are further configured to, with the at least one processor, cause the terminal device to:

extract, from the information, criteria for selection of the HARQ processes; and

select the HARQ process from the plurality of HARQ processes based on the criteria.

12. The terminal device of claim 10, wherein the at least one memory and the computer program codes are further configured to, with the at least one processor, cause the terminal device to:

determine, from the plurality of HARQ processes, a set of available HARQ processes;

determine a priority of the data; and

select the HARQ process from the set of available HARQ processes based on the priority of the data.

13. The terminal device of claim 12, wherein the priority of the data is determined based on at least one of:

a priority of a logical channel/logical channel group to which the data belongs,

a buffered time of the data, and

a priority of a traffic to which medium access control (MAC) control element (CE) contained in the data relates.

14. The terminal device of claim 10,

wherein the data is a retransmitted data,

wherein the one of the plurality of configured grant resources is different from a configured grant resource of an initial data transmission, and

wherein the configured grant resource and the one of the plurality of configured grant resources have the same transmission block size.

15. The terminal device of claim 10, wherein the HARQ process is selected when the data needs to be transmitted on one of the plurality of configured grant resources.

16. A network device comprising:

at least one processor; and

at least one memory including computer program codes;

the at least one memory and the computer program codes are configured to, with the at least one processor, cause the network device to:

generate information indicating a plurality of configured grant resources and a plurality of hybrid automatic repeat request, HARQ, processes, the plurality of HARQ

processes forming a common pool of HARQ processes which is shared by the plurality of configured grant resources, wherein the plurality of configured grant resources are configured in one bandwidth part;

transmit the information to a terminal device; and

receive data from the terminal device on one of the plurality of configured grant resources using a HARQ process from the plurality of HARQ processes, wherein the HARQ process is selected by the terminal device from available HARQ processes, wherein available HARQ processes for transmission and/or retransmission are determined, by the terminal device, from the plurality of HARQ processes, based at least on a timer of the respective HARQ process.

17. The network device of claim 16, wherein the information indicates at least one of:

a first set of HARQ processes from the plurality of HARQ processes, the first set of HARQ processes being used for data with priorities higher than a threshold priority;

a second set of HARQ processes from the plurality of HARQ processes, data with priorities lower than a threshold priority being only allowed to use the second set of HARQ processes;

a third set of HARQ processes from the plurality of HARQ processes based on the information, the third set of HARQ processes being used for one of the plurality of configured grant resources;

a threshold number of available HARQ processes in the plurality of HARQ processes; and

the threshold priority.

18. The network device of claim 16,

wherein the data is a retransmitted data,

wherein the one of the plurality of configured grant resources is different from a configured grant resource of an initial data transmission, and

wherein the configured grant resource and the one of the plurality of configured grant resources have the same transmission block size.

19. A computer readable medium storing instructions thereon, the instructions, when executed by at least one processing unit of the terminal device, causing the terminal device to perform:

receiving information indicating a plurality of configured grant resources and a plurality of hybrid automatic repeat request, HARQ, processes, the plurality of HARQ processes forming a common pool of HARQ processes which is shared by the plurality of configured grant resources, wherein the plurality of configured grant resources are configured in one bandwidth part;

determining, by the terminal device, from the plurality of HARQ processes, available HARQ processes for transmission and/or retransmission based at least on a timer of the respective HARQ process;

selecting a HARQ process from the available HARQ processes; and

transmitting data on one of the plurality of configured grant resources using the selected HARQ process.

20. A computer readable medium storing instructions thereon, the instructions, when executed by at least one processing unit of a network device, causing the network device to perform:

generating information indicating a plurality of configured grant resources and a plurality of hybrid automatic repeat request, HARQ, processes, the plurality of HARQ processes forming a common pool of HARQ processes which is shared by the plurality of configured grant resources, wherein the plurality of configured grant resources are configured in one bandwidth part;

transmitting the information to a terminal device; and

receiving data from the terminal device on one of the plurality of configured grant resources using a HARQ process from the plurality of HARQ processes, wherein the HARQ process is selected by the terminal device from available HARQ processes, wherein available HARQ processes for transmission and/or retransmission are determined, by the terminal device, from the plurality of HARQ processes, based at least on a timer of the respective HARQ process.