CLAIMS

1. A method for wireless communications at a user equipment (UE), the method comprising:

identifying an allocation of uplink resources for an uplink transmission by the UE;

receiving an uplink cancellation indication indicating a cancellation of a set of communication resources in the time domain and in the frequency domain;

determining whether to cancel at least a portion of the uplink transmission based at least in part on the uplink cancellation indication, wherein determining whether to cancel at least a portion of the uplink transmission comprises:

identifying a bitmap of the uplink cancellation indication associated with a set of communication resources in the time domain and frequency domain, each bit of the bitmap corresponding to a respective subset of the communication resources, and each bit indicating whether or not cancellation applies to the respective subset of the communication resources;

determining whether at least a portion of the allocation of uplink resources corresponds to one or more of the subsets of the set of communication resources for which cancellation applies, wherein determining whether to cancel at least a portion of the uplink transmission comprises determining a time for applying cancellation based at least in part on a time of receiving the uplink cancellation indication and a time offset for the cancellation; and

performing uplink communications based at least in part on determining whether to cancel at least a portion of the uplink transmission.

2. The method of claim 1, further comprising:

determining that the respective subset of the communication resources corresponding to each bit of the bitmap corresponds to uplink resources of an uplink/downlink time division duplex (TDD) configuration of the UE.

3. The method of claim 1, wherein the time offset for the cancellation is based at least in part on a capability of the UE.

4. The method of claim 1, wherein determining the time for applying cancellation is based at least in part on an uplink/downlink time division duplex (TDD) configuration of the UE.

5. The method of claim 1, further comprising:

receiving an uplink grant after receiving the uplink cancellation indication, the uplink grant comprising communication resources associated with the uplink cancellation indication; and

ignoring at least a portion of the uplink cancellation indication based at least in part on receiving the uplink grant after receiving the uplink cancellation indication.

6. The method of claim 1, wherein determining whether to cancel at least a portion of the uplink transmission is based at least in part on a type of physical channel associated with the uplink communications.

7. The method of claim 1, wherein determining whether to cancel at least a portion of the uplink transmission is based at least in part on a type of physical channel associated with the uplink cancellation indication.

8. The method of claim 1, wherein determining whether to cancel at least a portion of the uplink transmission is based at least in part on an allocation type associated with the identified allocation of uplink resources.

9. The method of claim 1, wherein determining whether to cancel at least a portion of the uplink transmission is based at least in part on a type of communications associated with the uplink communications.

10. The method of claim 1, wherein performing the uplink communications comprises:

refraining from using at least a portion of the allocation of uplink resources based at least in part on the determining.

11. A method for wireless communications at a base station, the method comprising:

transmitting an allocation of uplink resources ;

determining a reallocation of the uplink resources;

generating an uplink cancellation indication corresponding to the uplink resources based at least in part on the determining, the uplink cancellation indication indicating a cancellation of a set of communication resources in the time domain and in the frequency domain

wherein the uplink cancellation indication comprises a bitmap of the uplink cancellation indication associated with the set of communication resources in the time domain and frequency domain, each bit of the bitmap corresponding to a respective subset of the set of communication resources, and each bit indicating whether or not cancellation applies to the respective subset of the set of communication resources;

wherein generating the uplink cancellation indication comprises determining a time for applying cancellation based at least in part on a time of receiving the uplink cancellation indication and a time offset for the cancellation; and

transmitting the uplink cancellation indication.

12. The method of claim 11, wherein the respective subset of the communication resources corresponding to each bit of the bitmap corresponds to uplink resources of an uplink/downlink TDD configuration.

13. The method of claim 11, wherein the time offset for the cancellation is based at least in part on a UE capability.

14. The method of claim 11, wherein determining the time for applying cancellation is based at least in part on an uplink/downlink time division duplex (TDD) configuration.

15. The method of claim 11, further comprising:

transmitting, to a UE, an uplink grant comprising communication resources associated with the uplink cancellation indication, the uplink grant indicating to the UE to ignore at least a portion of the uplink cancellation indication.

16. An apparatus comprising:

means for identifying an allocation of uplink resources for an uplink transmission by a user equipment (UE);

means for receiving an uplink cancellation indication indicating a cancellation of a set of communication resources in the time domain and in the frequency domain;

mean for determining cancel at least a portion of the uplink transmission based at least in part on the uplink cancellation indication, wherein determining whether to cancel at least a portion of the uplink transmission comprises:

means for identifying a bitmap of the uplink cancellation indication associated with the set of communication resources in the time domain and frequency domain, each bit of the bitmap corresponding to a respective subset of the set of communication resources, and each bit indicating whether or not cancellation applies to the respective subset of the set of communication resources;

means for determining whether at least a portion of the allocation of uplink resources corresponds to one or more of the subsets of the set of communication resources for which cancellation applies, wherein determining whether to cancel at least a portion of the uplink transmission comprises determining a time for applying cancellation based at least in part on a time of receiving the uplink cancellation indication and a time offset for the cancellation; and

means for performing uplink communications based at least in part on determining whether to cancel at least a portion of the uplink transmission.

17. An apparatus comprising:

means for transmitting an allocation of uplink resources;

means for determining a reallocation of the uplink resources;

means for generating an uplink cancellation indication corresponding to the uplink resources based at least in part on the determining, the uplink cancellation indication indicating a cancellation of a set of communication resources in the time domain and in the frequency domain

wherein the uplink cancellation indication comprises a bitmap of the uplink cancellation indication associated with the set of communication resources in the time domain and frequency domain, each bit of the bitmap corresponding to a respective subset of the set of communication resources, and each bit indicating whether or not cancellation applies to the respective subset of the set of communication resources;

wherein means for generating the uplink cancellation indication comprises determining a time for applying cancellation based at least in part on a time of receiving the uplink cancellation indication and a time offset for the cancellation; and

means for transmitting the uplink cancellation indication.