

Claims

1. A method (1300) of wireless communication operable at a scheduling
5 entity (202), comprising:
communicating with a wireless device utilizing a first transmission
time interval, TTI, on a data channel;
receiving information on a control channel transmitted from the
wireless device during the first TTI, the information relating to
10 interference experienced by the wireless device; and
responsive to the information, performing one of: suspending the
communicating with the wireless device, or modifying a modulation
and coding scheme, MCS, corresponding to the communicating with
the wireless device in accordance with the interference,
15 wherein the information received on the control channel utilizes a
second TTI, shorter in duration than the first TTI; and wherein the
second TTI overlaps with a portion of the first TTI.
2. The method of claim 1, wherein the control channel is separated in
20 frequency from the data channel.
3. The method of claim 1, wherein the information comprises at least
one of a channel quality indicator, CQI, persistency information
relating to the interference, a frequency of the interference, a power of
25 the interference, or spatial information corresponding to the
interference.
4. The method of claim 1, further comprising:
scheduling communication with one or more other wireless devices
30 during the suspension of the communicating with the wireless device.
5. A method (1300) of wireless communication operable at a
subordinate entity (204), comprising:
communicating with a wireless device utilizing a first transmission
35 time interval, TTI, on a data channel;

detecting interference that interferes with the communicating with the wireless device; and

transmitting information relating to the interference on a control channel during the first TTI, the information transmitted utilizing a second TTI, shorter in duration than the first TTI.

6. The method of claim 5, wherein the information comprises at least one of a channel quality indicator, CQI, persistency information relating to the interference, a frequency of the interference, a power of the interference, or spatial information corresponding to the interference.
7. The method of claim 5, further comprising suspending the communicating with the wireless device in response to the transmitting of the information relating to the interference.
8. An apparatus (202) for wireless communication, comprising:
 - means for communicating with a wireless device utilizing a first transmission time interval, TTI, on a data channel;
 - means for receiving information on a control channel transmitted from the wireless device during the first TTI, the information relating to interference experienced by the wireless device; and
 - responsive to the information, means for performing one of: suspending the communicating with the wireless device, or modifying a modulation and coding scheme, MCS, corresponding to the communicating with the wireless device in accordance with the interference,wherein the information received on the control channel utilizes a second TTI, shorter in duration than the first TTI; and wherein the second TTI overlaps with a portion of the first TTI.
9. The apparatus of claim 8, wherein the control channel is separated in frequency from the data channel.

10. The apparatus of claim 8, wherein the information comprises at least one of a channel quality indicator, CQI, persistency information relating to the interference, a frequency of the interference, a power of the interference, or spatial information corresponding to the interference.
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11. The apparatus of claim 8, further comprising:
means for scheduling communication with one or more other wireless devices during the suspension of the communicating with the wireless device.
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12. An apparatus (204) for wireless communication, comprising:
means for communicating with a wireless device utilizing a first transmission time interval, TTI, on a data channel;
15 means for detecting interference that interferes with the communicating with the wireless device; and
means for transmitting information relating to the interference on a control channel during the first TTI, the information transmitted utilizing a second TTI, shorter in duration than the first TTI.
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13. The apparatus of claim 12, wherein the information comprises at least one of a channel quality indicator, CQI, persistency information relating to the interference, a frequency of the interference, a power of the interference, or spatial information corresponding to the interference.
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14. The apparatus of claim 12, further comprising means for suspending the communicating with the wireless device in response to the transmitting of the information relating to the interference.
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15. A computer-readable medium storing computer-executable code, that cause a computer to perform a method according to any of the claims 1 to 4 and/or 5 to 7, when the code is executed by the computer.