CLAIMS

1. A method of wireless communication, comprising:

transmitting, from a wireless communication device, a resource status request requesting load information related to load balancing between the wireless communication device and one or more other wireless communication devices;

receiving a resource status response including the load information in response to the request; and

transmitting the load information to a user equipment (UE), the load information used for conditional handover target cell selection.

2. The method of claim 1, further comprising receiving the load information via an Xn or an X_2 communication interface from another base station.

3. The method of claim 1, further comprising receiving the load information from another base station through a core network via an S_1 or an N_2 communication interface.

4. The method of claim 1, further comprising, based on the load information, selectively performing one or more of a handover procedure, a cell reselection procedure, a secondary node addition/modification procedure or a bearer offloading procedure.

5. The method of claim 1, wherein the load information comprises one or more of beam utilization information, per service type radio resource usage information, supplementary uplink carrier load information, hardware load information, transport network layer load information, radio resource usage information, load per bandwidth

part information, a number of User Equipments (UEs) in connected mode, and a number of UEs in inactive state.

6. The method of claim 1, further comprising communicating the load information via an F_1 communication interface between a central unit and distributed units of a base station, the load information for load balancing among the distributed units.

7. An apparatus of wireless communication, the apparatus comprising:

means for transmitting, from a wireless communication device, a resource status request requesting load information related to load balancing between the wireless communication device and one or more other wireless communication devices;

means for receiving a resource status response including the load information in response to the request; and

means for transmitting the load information to a user equipment (UE), the load information used for conditional handover target cell selection.

8. The apparatus of claim 7, further comprising means for receiving the load information via an Xn or an X_2 communication interface from another base station.

9. The apparatus of claim 7, further comprising means for receiving the load information from another base station through a core network via an S_1 or an N_2 communication interface.

10. The apparatus of claim 7, further comprising, based on the load information, means for selectively performing one or more of a handover procedure, a cell

reselection procedure, a secondary node addition/modification procedure or a bearer offloading procedure.

11. The apparatus of claim 7, wherein the load information comprises one or more of beam utilization information, per service type radio resource usage information, supplementary uplink carrier load information, hardware load information, transport network layer load information, radio resource usage information, load per bandwidth part information, a number of User Equipments (UEs) in connected mode, and a number of UEs in inactive state.

12. The apparatus of claim 7, further comprising means for communicating the load information via an F1 communication interface between a central unit and distributed units of a base station, the load information for load balancing among the distributed units.

13. An apparatus of wireless communication, the apparatus comprising:

a memory; and

at least one processor coupled to the memory and configured to:

transmit a resource status request requesting load information related to load balancing between the wireless communication device and one or more other wireless communication devices;

receive a resource status response including the load information in response to the request; and

transmit the load information to a user equipment (UE), the load information used for conditional handover target cell selection.

14. The apparatus of claim 13, the at least one processor is further configured to receive the load information via an Xn or an X_2 communication interface from another base station.

15. The apparatus of claim 13, the at least one processor is further configured to receive the load information to another base station through a core network via an S_1 or an N_2 communication interface.

16. The apparatus of claim 13, the at least one processor is further configured to, based on the load information, selectively perform one or more of a handover procedure, a cell reselection procedure, a secondary node addition/modification procedure or a bearer offloading procedure.

17. The apparatus of claim 13, wherein the load information comprises one or more of beam utilization information, per service type radio resource usage information, supplementary uplink carrier load information, hardware load information, transport network layer load information, radio resource usage information, load per bandwidth part information, a number of User Equipments (UEs) in connected mode, and a number of UEs in inactive state.

18. The apparatus of claim 13, the at least one processor is further configured to communicate the load information via an F_1 communication interface between a central unit and distributed units of a base station, the load information for load balancing among the distributed units.