**What is claimed is:**

1. A method for broadcasting, by a distributed unit (DU) of a base station (BS), system information in a wireless communication system, the method comprising:

receiving, from a central unit (CU) of the BS, a first message that contains a plurality of system information;

receiving, from a user equipment (UE), a second message that contains a request for the system information;

transmitting, to the CU of the BS, a third message that includes the UE's request for the system information;

receiving, from the CU of the BS, a fourth message that includes an enumerated type of the requested system information, wherein the enumerated type of the requested system information identifies the requested system information from among the plurality of system information that was received from the CU in the first message; and

broadcasting the requested system information.

2. The method of claim 1, wherein the plurality of system information is received from the CU by being included in a container in the first message.

3. The method of claim 1, wherein the plurality of system information is received from the CU in an F1 setup procedure.

4. The method of claim 1, wherein the plurality of system information received from the CU includes the requested system information.

5. The method of claim 1, wherein the plurality of system information received from the CU does not include SIB1.

6. The method of claim 1, wherein the second message that contains the request for the system information is received from the UE in a random access procedure.

7. The method of claim 6, wherein the second message is a Message 3 of the

random access procedure.

8. The method of claim 1, wherein the fourth message received from the CU comprises time information for broadcasting the requested system information.

9. The method of claim 1, wherein the plurality of system information is owned by the CU.

10. The method of claim 1, wherein the second message encapsulates the request.

11. The method of claim 1, wherein the CU is a logical node that hosts radio resource control (RRC), service data adaptation protocol (SDAP), and packet data convergence protocol (PDCP) layers of the BS, and

wherein the DU is a logical node that hosts radio link control (RLC), media access control (MAC), and physical (PHY) layers of the BS.

12. The method of claim 1, wherein the plurality of system information is on-demand system information that is configured to be broadcast upon request from the UE.

13. A distributed unit (DU) of a base station (BS) configured to broadcast system information in a wireless communication system, the DU comprising:

a transceiver;

at least one processor; and

at least one computer memory operably connectable to the at least one processor and storing instructions that, when executed, cause the at least one processor to perform operations comprising:

receiving, from a central unit (CU) of the BS, a first message that contains a plurality of system information;

receiving, from a user equipment (UE), a second message that contains a request for the system information;

transmitting, to the CU of the BS, a third message that includes the UE's request for the system information;

receiving, from the CU of the BS, a fourth message that includes an enumerated type of the requested system information, wherein the enumerated type of the requested system information identifies the requested system information from among the plurality of system information that was received from the CU in the first message; and

broadcasting the requested system information.