CLAIMS:

1. An apparatus, comprising:
   - means for determining that a change of a measurement relaxation status of the apparatus to another measurement relaxation status is triggered;
   - means for changing the measurement relaxation status to said another measurement relaxation status before a measurement relaxation related event takes place; and
   - means for transmitting, after changing the measurement relaxation status to said another measurement relaxation status, a report about said another measurement relaxation status to a wireless network node using user equipment assistance information, said another measurement relaxation status indicating that the apparatus is in a measurement relaxation mode or a non-measurement relaxation mode, when a user equipment assistance information prohibit timer configured for measurement relaxation status reporting is not running.

2. An apparatus according to claim 1, wherein the measurement relaxation related event is transmission of the report about said another measurement relaxation status to the wireless network node or expiry of the user equipment assistance information prohibit timer.

3. An apparatus according to claim 1 or claim 2, wherein the apparatus is in the measurement relaxation mode before the change and in the non-measurement relaxation mode after the change, or the apparatus is in the non-measurement relaxation mode before the change and in the measurement relaxation mode after the change.

4. An apparatus according to any of the preceding claims, wherein the apparatus is allowed to relax measurements in the measurement relaxation mode and the apparatus is not allowed to relax measurements in the non-measurement relaxation mode.

5. An apparatus according to any of the preceding claims, further comprising:

- means for determining whether the apparatus is allowed to change the measurement relaxation status of the apparatus based on a status of the user equipment assistance information prohibit timer and said another measurement relaxation status.

6. An apparatus according to any of the preceding claims, further comprising:
   - means for determining whether to change the measurement relaxation status of the apparatus while the user equipment assistance information prohibit timer is running.

7. An apparatus according to any of the preceding claims, further comprising:
   - means for determining to change the measurement relaxation status of the apparatus while the user equipment assistance information prohibit timer is running; and
   - means for changing the measurement relaxation status to said another measurement relaxation status before the measurement relaxation related event takes place.

8. An apparatus according to any of the preceding claims, further comprising:
   - means for determining to change the measurement relaxation status of the apparatus before the measurement relaxation related event takes place when a measurement relaxation condition is not met while the user equipment assistance information prohibit timer is running; and
   - means for changing the measurement relaxation status to said another measurement relaxation status before the measurement relaxation related event takes place.

9. An apparatus according to any of the preceding claims, further comprising:
   - means for determining to change the measurement relaxation status of the apparatus after the measurement relaxation related event has taken place when a measurement relaxation condition is met while the user equipment assistance information prohibit timer is running; and
   - means for changing the measurement relaxation status to said another measurement relaxation status after the measurement relaxation related event has taken place.

10. An apparatus according to any of the preceding claims, further comprising:

- means for determining to change the measurement relaxation status of the apparatus before the measurement relaxation related event takes place when the user equipment assistance information prohibit timer was not started when a measurement relaxation condition was met and reported.

11. An apparatus according to any of the preceding claims, further comprising:
- means for reporting that the measurement relaxation status of the apparatus was changed to said another measurement relaxation status before transmitting the report about said another measurement relaxation status to the wireless network node.

12. An apparatus according to any of the preceding claims, further comprising:
- means for reporting how long ago before transmitting the report about said another measurement relaxation status of the apparatus to the wireless network node the measurement relaxation status of the apparatus was changed.

13. An apparatus according to any of the preceding claims, further comprising:
- means for receiving a measurement relaxation configuration.

14. An apparatus according to claim 13, wherein the measurement relaxation configuration indicates whether the apparatus is allowed to change the measurement relaxation status of the apparatus before transmitting the report about said another measurement relaxation status of the apparatus to the wireless network node and/or while the user equipment assistance information prohibit timer is running.

15. An apparatus according to claim 13 or 14, further comprising:
- means for transmitting a relaxation status report when a measurement relaxation condition is first met since receipt of the measurement relaxation configuration.

16. An apparatus according to any of the preceding claims, wherein the measurement relaxation status and said another measurement relaxation status comprise at least one of Radio Resource

Management, RRM, Radio Link Monitoring, RLM, and Beam Failure Detection, BFD, measurement relaxation statuses.

17. An apparatus according to any of the preceding claims, wherein

the report indicates that the apparatus is in a measurement relaxation mode or a non-measurement relaxation mode of Radio Link Monitoring, RLM, measurements, and/or

the report indicates that the apparatus is in a measurement relaxation mode or a non-measurement relaxation mode of Beam Failure Detection, BFD, measurements.

18. An apparatus according to claim 17, wherein

the report further indicates that a measurement relaxation condition of Radio Resource Management, RRM, measurements is met or not met.

19. An apparatus according to claim 18, wherein the report is transmitted when the measurement relaxation condition of Radio Resource Management, RRM, measurements is met during a certain amount of time.

20. An apparatus according to any of the preceding claims, wherein

the user equipment assistance information prohibit timer is common for Radio Resource Management, RRM, Radio Link Monitoring, RLM, and Beam Failure Detection, BFD, based measurement relaxation status reporting, or

the user equipment assistance information prohibit timer is different between or specific for any one of Radio Resource Management, RRM, Radio Link Monitoring, RLM, and Beam Failure Detection, BFD, based measurement relaxation status reporting.

21. A method, comprising:

- determining that a change of a measurement relaxation status of the apparatus to another measurement relaxation status is triggered;
- changing the measurement relaxation status to said another measurement relaxation status before a measurement relaxation related event takes place; and

- transmitting, after changing the measurement relaxation status to said another measurement relaxation status, a report about said another measurement relaxation status to a wireless network node using user equipment assistance information, said another measurement relaxation status indicating that the apparatus is in a measurement relaxation mode or a non-measurement relaxation mode, when a user equipment assistance information prohibit timer configured for measurement relaxation status reporting is not running.

22. A computer program comprising instructions which, when the program is executed by an apparatus, cause the apparatus to carry out the method according to claim 21.

23. A non-transitory computer readable medium having stored thereon a set of computer readable instructions that, when executed by at least one processor of an apparatus, cause an apparatus to at least to perform the method according to claim 21.