What is claimed is:

1. A method for processing subscription message, comprising:

receiving, by a subscription device, a subscription message sent from a notification server (NS) device, wherein the subscription message comprises a ~~sending~~ receiving address of ~~a~~ notification message and a subscription resource identifier, the receiving address of notification message indicates an address of the NS device; wherein the subscription message is received by the NS device from a Resource Constrained Device, RCD, the RCD is configured to stay in a sleep state for a long time or periodically;

monitoring, by the subscription device, a target resource corresponding to the subscription resource identifier; and

sending, by the subscription device, a notification message to ~~a notification server (NS)~~ the NS device~~,~~ if the subscription device monitors a change of the target resource, wherein the notification message is used for indicating the change of the target resource subscribed by the RCD;

wherein the NS device is a notification proxy for the RCD, wherein the NS device is configured to store the notification message sent from the subscription device and forward the notification message to the RCD when the RCD is in a working state. ~~which is a notification proxy, according to the sending address of the notification message if the subscription device monitors a change of the target resource, to enable the NS device to forward the notification message to a corresponding Resource Constrained Device (RCD).~~

2. The method of claim 1, wherein before monitoring, by the subscription device, the target resource corresponding to the subscription resource identifier, the method further comprises:

identifying, by the subscription device, whether a sending end of the subscription message has an authority of subscribing to the target resource according to a device identifier carried in the subscription message; and

storing, by the subscription device, the subscription message and sending a notification message of subscription completion to the sending end if the sending end has the authority of subscribing to the target resource.

3. The method of claim 1, wherein before monitoring, by the subscription device, the target resource corresponding to the subscription resource identifier, the method further comprises:

storing, by the subscription device, the subscription message and sending a notification message of subscription completion to a sending end of the subscription message if the sending end of the subscription message has an authority of subscribing to the target resource.

~~4. The method of claim 2 or 3, wherein the sending end is an RCD or an NS device corresponding to the RCD.~~

~~5~~4. The method of any one of claims 1 to ~~4~~3, wherein after sending, by the subscription device, the notification message to the ~~notification server (NS)~~ NS device, ~~which is the notification proxy, according to the sending address of the notification message,~~ the method further comprises:

receiving, by the subscription device, a notification response message sent by the NS device.

~~6. The method of any one of claims 1 to 5, wherein the notification message sent by the subscription device is received by the NS device, and the notification message is used for indicating a change of a target resource subscribed by an RCD.~~

~~7~~5. A method for processing subscription message, comprising:

receiving, by a notification server (NS) device, a subscription message sent by a Resource Constrained Device (RCD); wherein the subscription message comprises a receiving address of notification message and a subscription resource identifier, wherein the RCD is configured to stay in a sleep state for a long time or periodically;

sending, by the NS device, the subscription message to a subscription device;

receiving, by ~~a notification server (NS)~~ the NS device, a notification message sent by ~~a~~ the subscription device, wherein the notification message is used for indicating a change of a target resource subscribed by ~~a Resource Constrained Device (RCD)~~the RCD;

storing, by the NS device, the notification message sent by the subscription device; and

sending, by the NS device, the notification message to the RCD when the RCD is in a working state~~a corresponding RCD~~.

~~8~~6. The method of claim ~~7~~5, wherein after sending, by the NS device, the subscription message to the subscription device, the method further comprises:

receiving, by the NS device, a notification message of subscription completion sent by the subscription device, wherein the notification message of subscription completion is used for indicating that the NS device has an authority of subscribing to the target resource; and

forwarding, by the NS device, the notification message of subscription completion to the RCD.~~before receiving, by the NS device, the notification message sent by the subscription device, the method further comprises:~~

~~receiving, by the NS device, the subscription message sent by the RCD, wherein the subscription message comprises a sending address of the notification message and a subscription resource identifier; and~~

~~sending, by the NS device, the subscription message to the subscription device.~~

7. The method of claim 5, wherein after receiving, by the NS device, the notification message sent by the subscription device, the method further comprises:

sending, by the NS device, a notification response message to the subscription device.

8. An apparatus for processing subscription message, comprising:

a receiving module, configured to receive a subscription message sent by a Resource Constrained Device, RCD; wherein the subscription message comprises a receiving address of notification message and a subscription resource identifier, wherein the RCD is configured to stay in a sleep state for a long time or periodically;

a sending module, configured to send the subscription message to a subscription device;

the receiving module is further configured to receive a notification message sent by the subscription device, and store the notification message sent by the subscription device; wherein the notification message is used for indicating a change of a target resource subscribed by the RCD;

the sending module is further configured to send the notification message to the RCD when the RCD is in a working state.

9. The apparatus of claim 8, wherein

the receiving module is further configured to receive a notification message of subscription completion sent by the subscription device after the sending module sends the subscription message to the subscription device, wherein the notification message of subscription completion is used for indicating that the apparatus has an authority of subscribing to the target resource; and

the sending module is further configured to forward the notification message of subscription completion to the RCD.

10. The apparatus of claim 8, wherein

the sending module is further configured to send a notification response message to the subscription device after the receiving module (13) receives the notification message sent by the subscription device.

~~9. An apparatus for processing subscription message, comprising:~~

~~a first receiving module, configured to receive a subscription message, wherein the subscription message comprises a sending address of a notification message and a subscription resource identifier;~~

~~a monitoring module, configured to monitor a target resource corresponding to the subscription resource identifier; and~~

~~a first sending module, configured to send a notification message to a notification server (NS) device, which is a notification proxy, according to the sending address of the notification message if the subscription device monitors a change of the target resource, to enable the NS device to forward the notification message to a corresponding Resource Constrained Device (RCD).~~

~~10. The apparatus of claim 9, wherein before the target resource corresponding to the subscription resource identifier is monitored,~~

~~the monitoring module is further configured to identify whether a sending end of the subscription message has an authority of subscribing to the target resource according to a device identifier carried in the subscription message;~~

~~and if the sending end has the authority of subscribing to the target resource, the~~

~~monitoring module is further configured to store the subscription message, and the first sending module is further configured to send a notification message of subscription completion to the sending end.~~

~~11. The apparatus of claim 9, wherein before the target resource corresponding to the subscription resource identifier is monitored, if a sending end of the subscription message has an authority of subscribing to the target resource,~~

~~the monitoring module is configured to store the subscription message, and~~

~~the first sending module is further configured to send a notification message of subscription completion to the sending end of the subscription message.~~

~~12. The apparatus of claim 10 or 11, wherein the sending end is an RCD or an NS device corresponding to the RCD.~~

~~13. The apparatus of any one of claims 9 to 12, wherein after the notification message is sent to the notification server (NS) device, which is the notification proxy, according to the sending address of the notification message, the first receiving module is further configured to receive a notification response message sent by the NS device.~~

~~14. The apparatus of any one of claims 9 to 13, wherein the notification message sent by the subscription device is received by the NS device, and the notification message is used for indicating a change of a target resource subscribed by an RCD.~~