

# BC95---OneNET 基本通信流程 V0.1

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**写在前面：**需要注意，从第三步开始，步骤4,5与M5310的操作基本完全不一样。详细的每一位的意义直接参考

[Quectel\\_BC95\\_OneNET\\_Application\\_Note\\_V1.3.pdf](#)

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Step 1: Create a communication suite instance.

Step 2: Add a LwM2M object.

Step 3: Send register request to the OneNET platform.

Step 4: Respond to the observe request with result code .

Step 5: Respond to the resource discover request with resource ID list.

Step 6: Read Resource.

Step 7: Write Resource.

Step 8: Notify resource data.

Step 9: Quit communication.

9.1 Send deregister request to the OneNET platform.

9.2 Delete the communication suite instance.

## Step 1: Create a communication suite instance.

Send: `AT+MIPLCREATE` Receive: (right)

```
+MIPLCREATE:0
```

```
OK
```

Receive: (wrong)

```
ERROR
```

## Step 2: Add a LwM2M object.

Send: `AT+MIPLADDOBJ=0,3311,1,"1",3,0` Receive: (right)

```
OK
```

Receive: (wrong)

```
ERROR
```

### Step 3: Send register request to the OneNET platform.

Send: `AT+MIPLOPEN=0,270,120` Receive: (right)

```
OK

+MIPLEVENT: 0,1

+MIPLEVENT: 0,2

+MIPLEVENT: 0,4

+MIPLEVENT: 0,6

+MIPLOBERVE: 0,78668,1,3311,0,-1

+MIPLDISCOVER: 0,13133,3311
```

Receive(wrong): 没有收到MIPLDISCOVER ... 就是有问题的

### Step 4: Respond to the observe request with result code .

此步骤是为了响应步骤3中+MIPLOBERVE: 0,78668,1,3311,0,-1, 这个语句为了上传而设定, 在OneNET平台上注册设备时, 是否开启自动订阅选择是, 否则不能主动上。一般步骤4/5的下发顺序不一定, 尽量早点响应, 如果来不及这句可以不响应, 但如同78668的码字必须记录下来, 上传的时候需要。

Send: `AT+MIPOBSERVERSP=0,78668,1` Receive: (right)

```
OK
```

Receive: (wrong)

```
ERROR
```

## Step 5: Respond to the resource discover request with resource ID list.

此步骤是为了响应步骤3中+MIPLDISCOVER: 0,13133,3311, 此步骤的作用是添加属性

Send: `AT+MIPLDISCOVERRSP=0,13133,1,14,"5850;5851;5852"` Receive:  
(right)

OK

Receive: (wrong)

ERROR

## Step 6: Read Resource.

Receive: `+MIPLREAD: 0,38394,3311,0,5851` Send:  
`AT+MIPLREADRSP=0,34698,1,3311,0,5851,3,2,37,0,0` Receive: (right)

OK

Receive: (wrong)

ERROR

## Step 7: Write Resource.

Receive: `+MIPLWRITE: 0,13045,3311,0,5851,2,1,05,0,0` Send:  
`AT+MIPLWRITERSP=0,13045,2` Receive: (right)

OK

Receive: (wrong)

ERROR

## Step 8: Notify resource data.

Send: `AT+MIPLNOTIFY=0,78668,3311,0,5851,3,2,37,0,0` Receive:  
(right)

OK

Receive: (wrong)

ERROR

## Step 9: Quit communication.

### 9.1 Send deregister request to the OneNET platform.

Send: `AT+MIPLCLOSE=0` Receive: (right)

OK

+MIPLEVENT: 0,15

Receive: (wrong)

ERROR

### 9.2 Delete the communication suite instance.

Send: `AT+MIPLDELETE=0` Receive: (right)

OK

Receive: (wrong)

ERROR