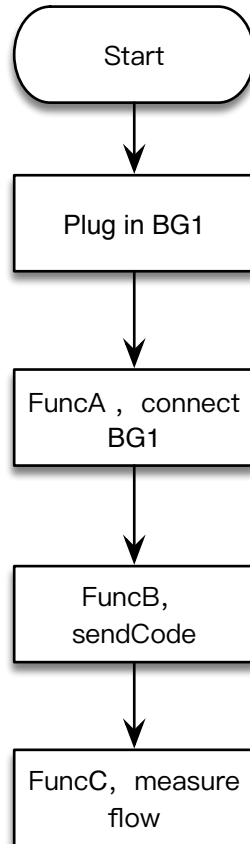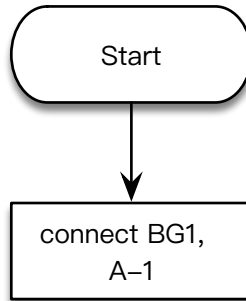# BG1 overall function

Note: Api calls one after another, that is, when the end of an Api, call the next, Otherwise it will appear the Api function failure.

```
        ┌─────────────┐
        │    Start    │
        └──────┬──────┘
               │
               ▼
        ┌─────────────┐
        │  Plug in BG1│
        └──────┬──────┘
               │
               ▼
        ┌─────────────┐
        │FuncA，connect│
        │     BG1     │
        └──────┬──────┘
               │
               ▼
        ┌─────────────┐
        │   FuncB,    │
        │  sendCode   │
        └──────┬──────┘
               │
               ▼
        ┌─────────────┐
        │FuncC，measure│
        │    flow     │
        └─────────────┘
```

BG1 FuncA – connect BG1

```
Start
```

```
connect BG1,
A–1
```

A–1: **public void** connect()

BG1 FuncB – sendCode

```
        ╭─────────────╮
        │    Start    │
        ╰──────┬──────╯
               │
               ▼
        ┌─────────────┐
        │ BG1 connected, │
        │    Func A    │
        └──────┬──────┘
               │
               ▼
        ┌─────────────┐
        │ sendCode B–1 │
        └─────────────┘
```
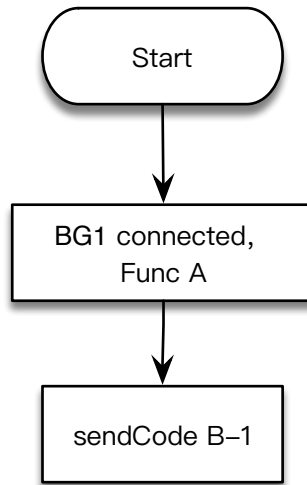
B–1: **public void** sendCode(**final** String QRCode)

BG1 FuncC – measure flow

```
              ┌─────────┐
              │  Start  │
              └─────────┘
                   │
                   ▼
          ┌──────────────────┐
          │  BG1 connected,  │
          │      FuncA       │
          └──────────────────┘
                   │
                   ▼
          ┌──────────────────┐
          │    sendCode,     │
          │      FuncB       │
          └──────────────────┘
                   │
                   ▼
          ┌──────────────────┐
          │   measure flow   │
          └──────────────────┘
```

| strip in, C–1 | blood, C–2 | result, C–3 | strip out, C–4 | standby, C–5 | error, C–6 |
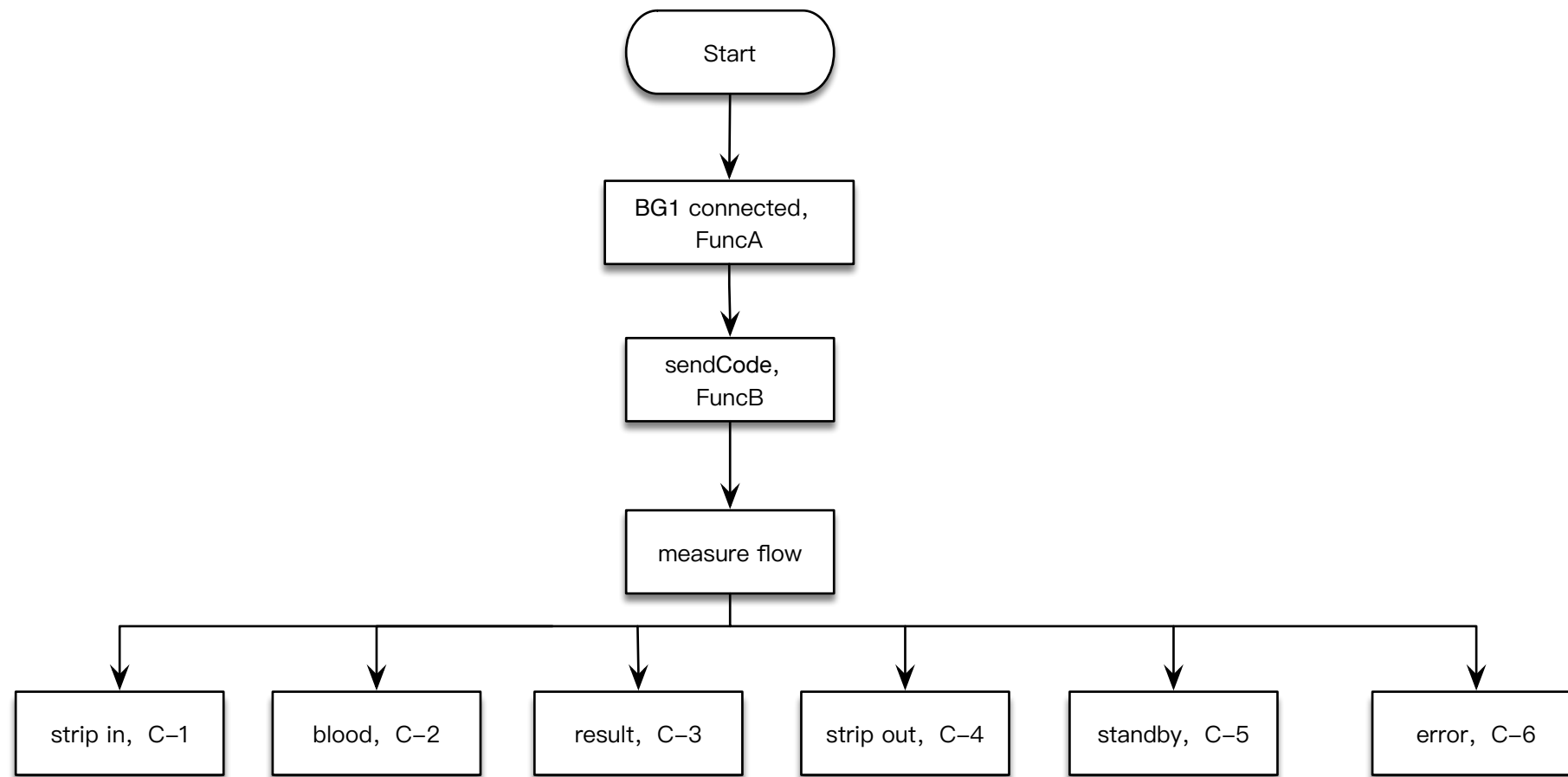
C-1: action_measure_strip_in

C-2: action_measure_get_blood

C-3: measure_result

C-4: action_measure_strip_out

C-5: action_measure_standby

C-6: action_measure_error