BG5S Function

```
        ┌───────────┐
        │  Connect  │
        └─────┬─────┘
              │
              ▼
     ┌─────────────────┐
     │   Function A    │
     └────────┬────────┘
              │
              ▼
     ┌─────────────────┐
     │   Function B    │
     └────────┬────────┘
              │
              ▼
     ┌─────────────────┐
     │   Function C    │
     └────────┬────────┘
              │
              ▼
        ┌───────────┐
        │    End    │
        └───────────┘
```
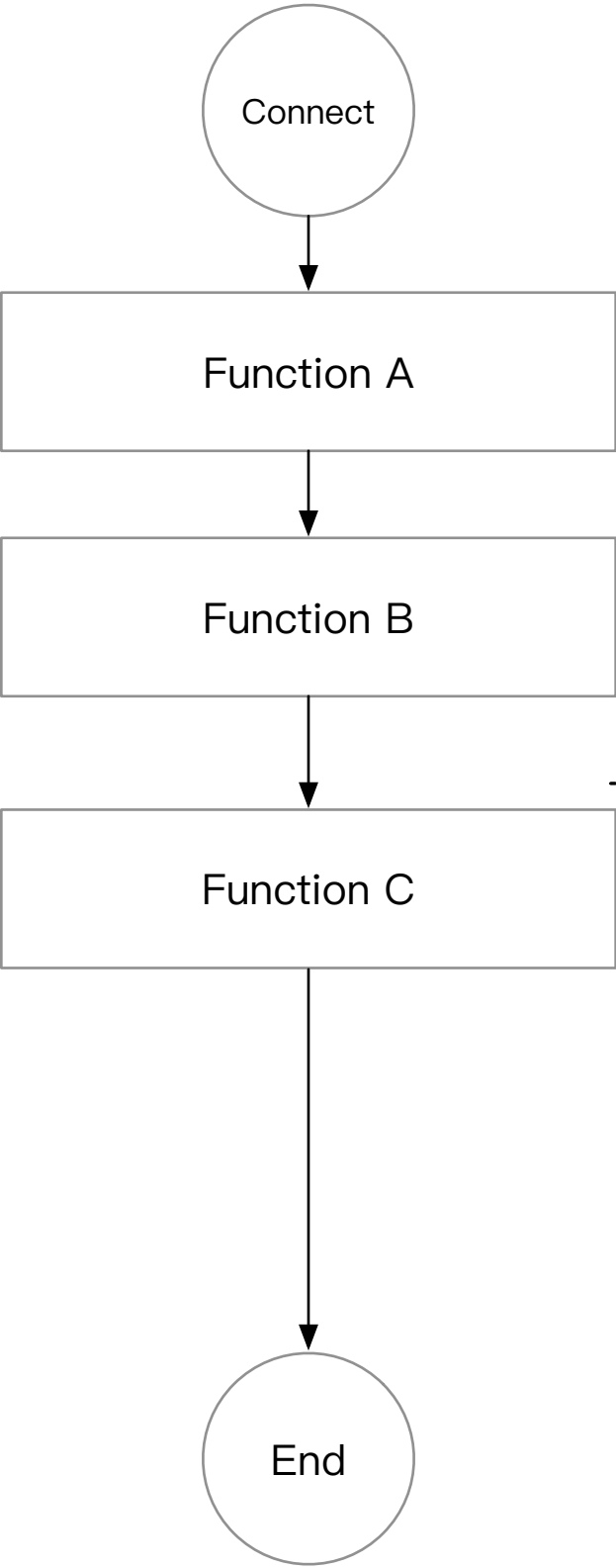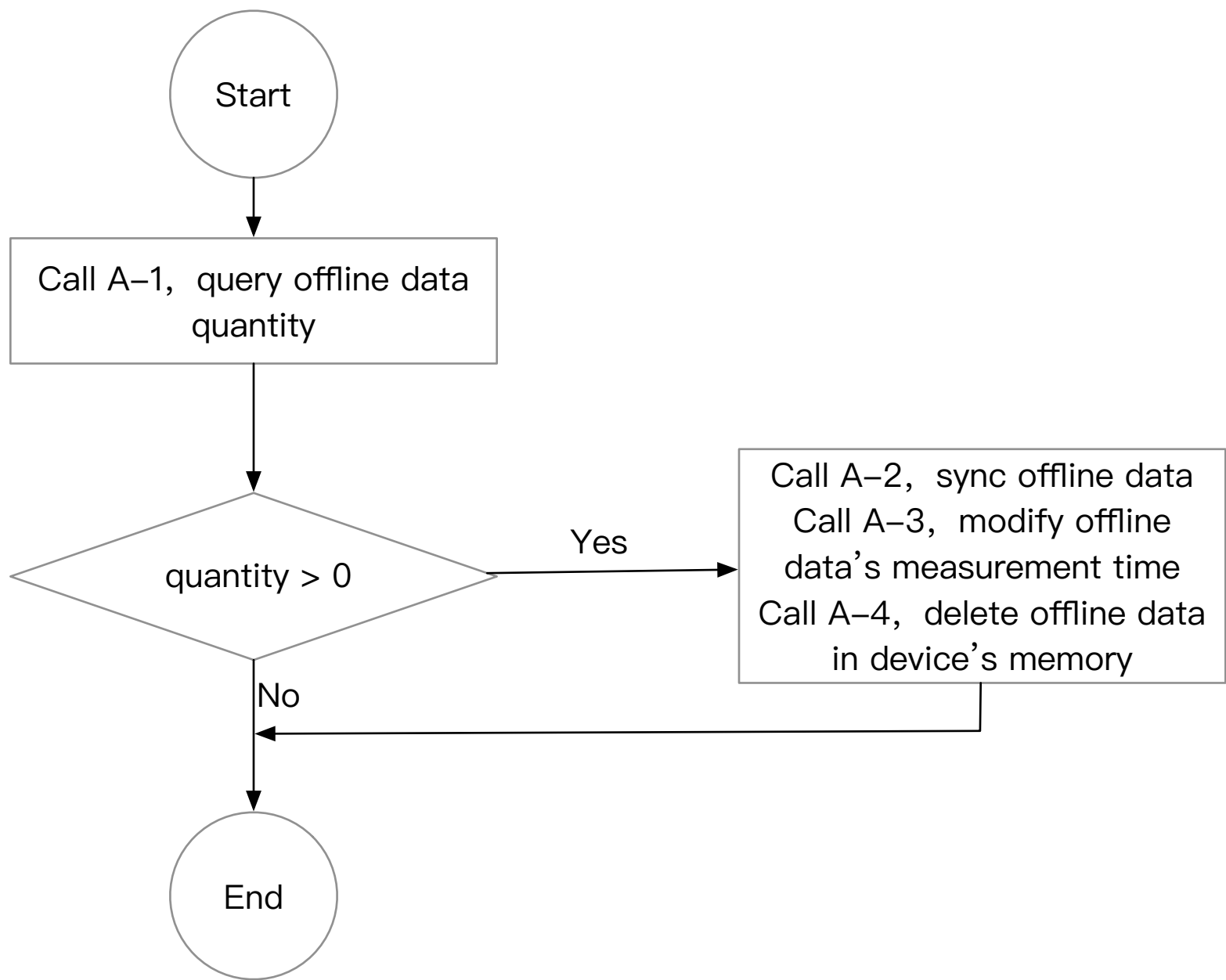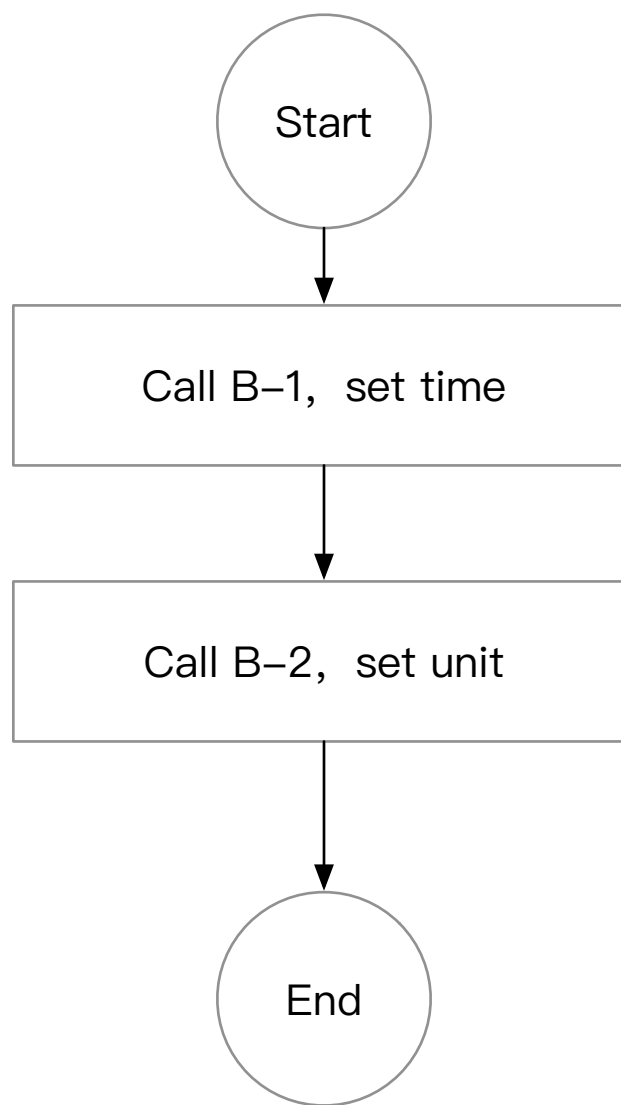
Note：

1、API call is parallel call and sequential execution.

2、Function A should be called before Function B, otherwise the time of offline data may be incorrect.

Function A: Sync offline data

```
           ┌─────────┐
           │  Start  │
           └─────────┘
                │
                ▼
    ┌───────────────────────┐
    │ Call A-1,  query offline data │
    │        quantity        │
    └───────────────────────┘
                │
                ▼
           ◇ quantity > 0 ◇ ──── Yes ───►  ┌──────────────────────────┐
                │                            │ Call A-2,  sync offline data │
                │ No                         │ Call A-3,  modify offline    │
                ▼                            │ data's measurement time      │
           ┌─────────┐                       │ Call A-4,  delete offline data │
           │   End   │                       │ in device's memory           │
           └─────────┘                       └──────────────────────────┘
```

A-1
– (void)queryStateInfoWithSuccess:(BG5SStateInfoBlock)stateInfoBlock
                    errorBlock:(BG5SSDKErrorBlock)errorBlock;

A-2
– (void)queryRecordWithSuccessBlock:(BG5SRecordBlock)successBlock
                    errorBlock:(BG5SSDKErrorBlock)errorBlock;
A-3
– (NSArray *)processData:(NSArray<BG5SRecordModel*> *)array deviceDate:(NSDate *)deviceDate;
A-4
– (void)deleteRecordWithSuccessBlock:(BG5SSuccessBlock)successBlock
                    errorBlock:(BG5SSDKErrorBlock)errorBlock;
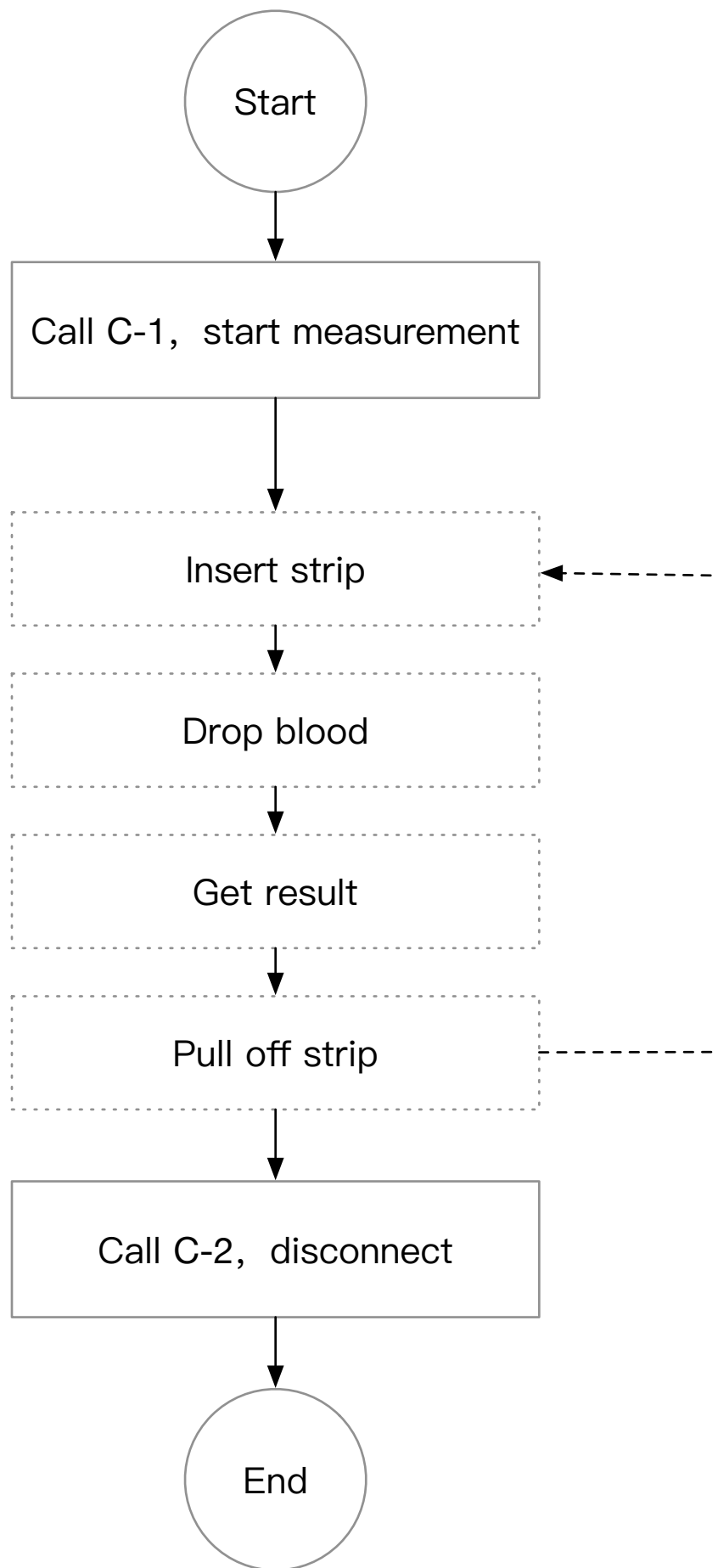
Function B: Set time and unit

Start

Call B–1, set time

Call B–2, set unit

End

B-1
```
– (void)setTimeWithDate:(NSDate *)date
              timezone:(float)timezone
          successBlock:(BG5SSuccessBlock)successBlock
            errorBlock:(BG5SSDKErrorBlock)errorBlock;
```

B-2
```
– (void)setUnit:(BGUnit)unit
    successBlock:(BG5SSuccessBlock)successBlock
      errorBlock:(BG5SSDKErrorBlock)errorBlock;
```

Function：Online measurement flow

Start

↓

Call C-1，start measurement

↓

Insert strip

↓

Drop blood

↓

Get result

↓

Pull off strip

↓

Call C-2，disconnect

↓

End

C-1
```
- (void)startMeasure:(BGMeasureMode)measureMode
    WithSuccessBlock:(BG5SSuccessBlock)successBlock
          errorBlock:(BG5SSDKErrorBlock)errorBlock;
```

C-2
```
- (void)disconnectDevice;
```