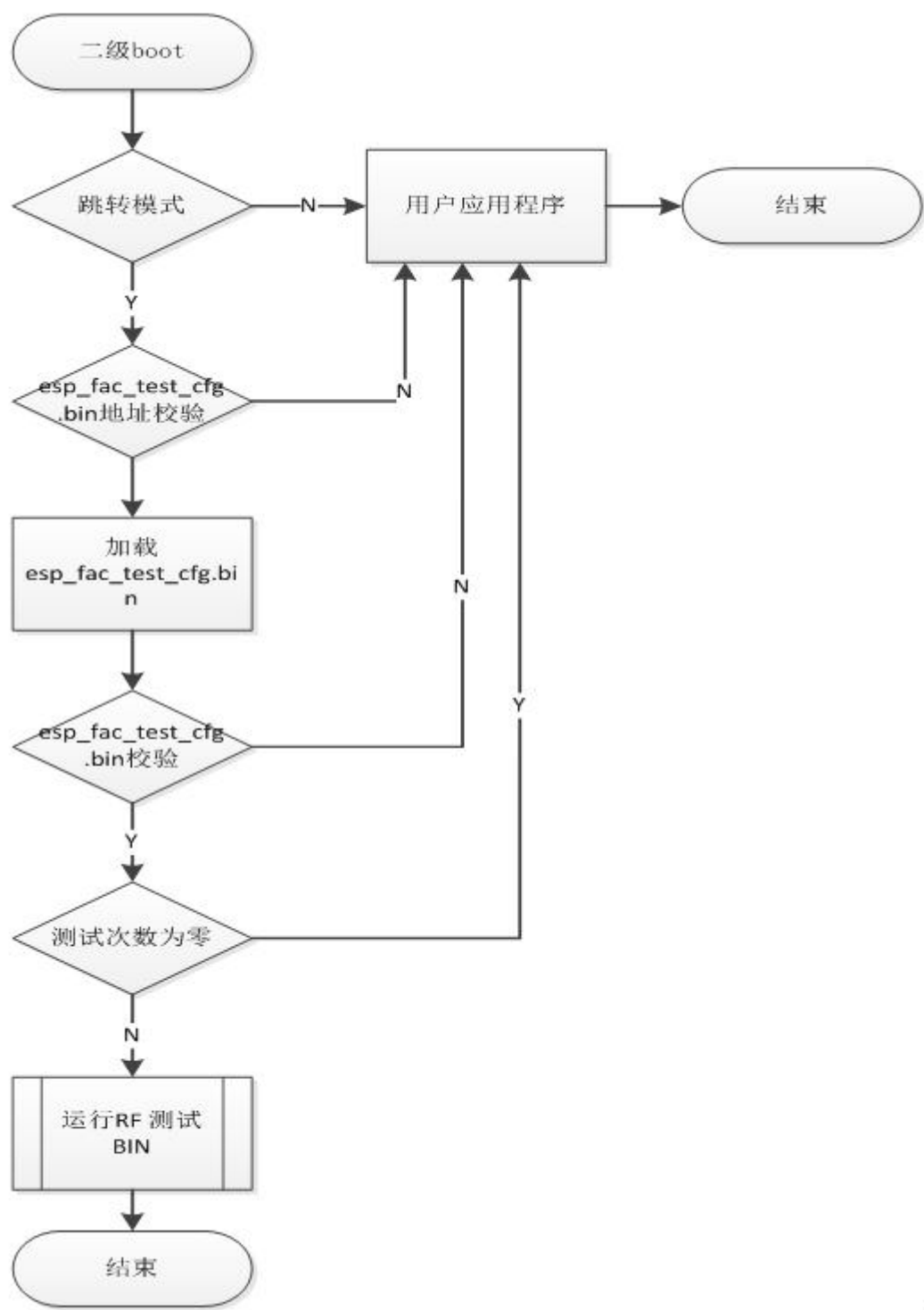
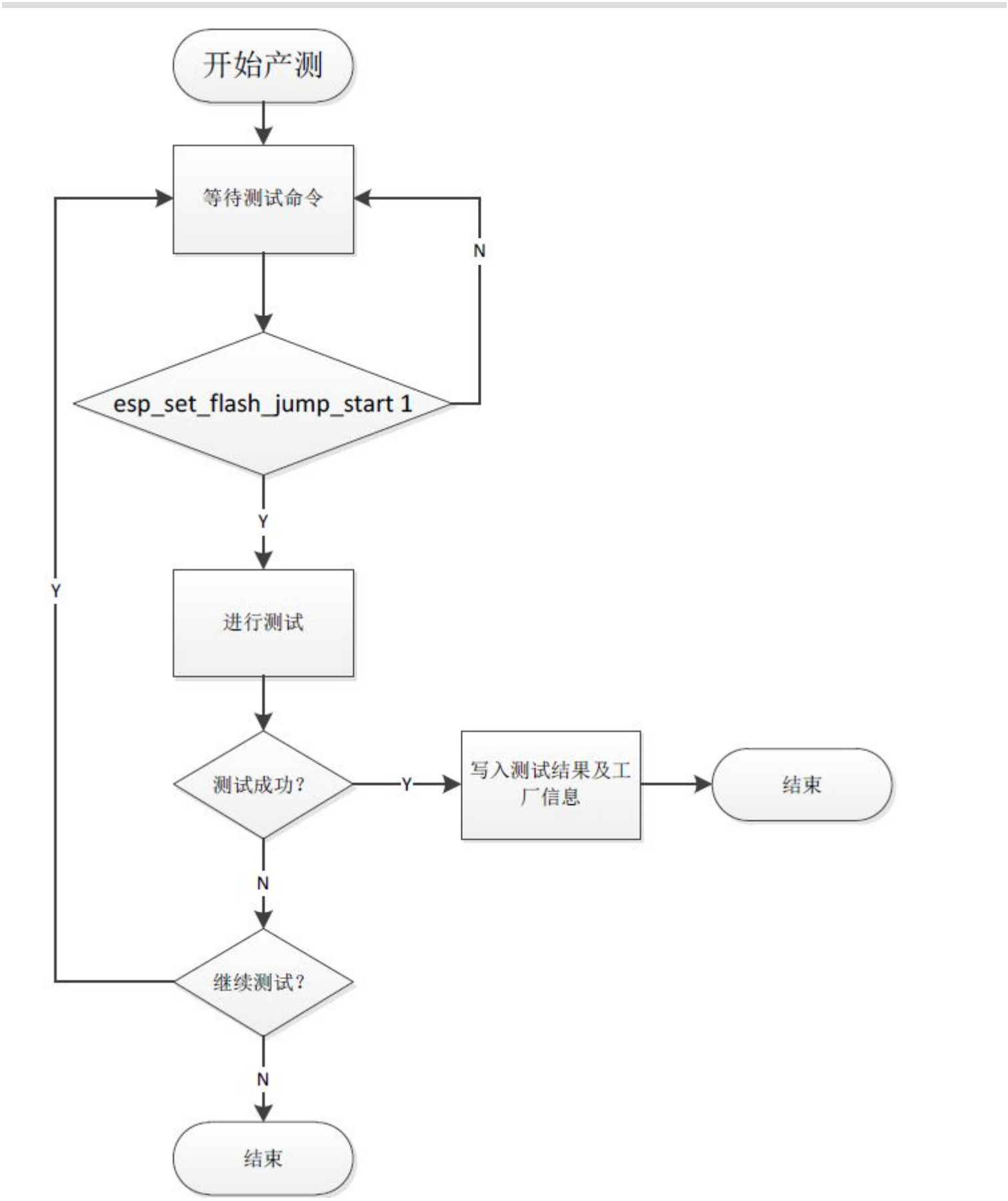


# 方案概述

ESP8266 的二级 boot 跳转测试功能，是旨在提供产线生产效率的一种测试方案。在测试时，flash中既包含客户的应用固件，也包含产测固件。系统上电后，boot 通过判断flash中的 esp\_init\_data.bin 的标志位来决定是否进入跳转测试模式。当被配置成使能跳转测试时，运行一定次数的产测固件进行产测。产测结束后，可正常运行客户固件。产测 BIN 文件可以提前和应用固件一起离线烧写至 Flash 中，减少生产测试时在线 download 测试 BIN的时间，提高生产效率。

# 运行流程





进行测试过程演示，并对比原来测试方案。

ESP MODULE TEST TOOL | TOOL\_VERSION: 5.5.1\_RELEASE

test panel

START ALL

STOP ALL

PASS 11

FAIL 14

ANAL 10

TXTE 6

RXTE 7

TOTAL 25

targetVer: readv

BatchID: bf54c4ad

ModuleType: ESP

FactoryID: esp-ow

TestIndex:

BatchNum:

1 IDLE

START

STOP

LOG

TEST INFORMATION

AP MAC

STA MAC

COMPOR COM13

BAUDRAT 115200

2 IDLE

START

STOP

LOG

TEST INFORMATION

AP MAC

STA MAC

COMPOR COM6

BAUDRAT 115200

3 IDLE

START

STOP

LOG

TEST INFORMATION

AP MAC

STA MAC

COMPOR COM20

BAUDRAT 115200

4 IDLE

START

STOP

LOG

TEST INFORMATION

AP MAC

STA MAC

COMPOR COM27

BAUDRAT 115200

MainWindow

File

Config

Log

Help

ESPRESSIF

ALL START

Position : Cloud

Overall production state

Chip Type : WROOM-02

Firmware Ver : ver\_1.1.1

PO No : c0393

MPN No : 2018020001

Total Status : WORKING

Local production state

Server address: factory.espressif.com

Factory ID : esp-own-test-FID-dbd42d01

Batch ID : bf54c4adf0

Fac-Plan ID : just-test

Load Status : xx/xxx

Status

Dut Config

Test flow

Spec

DUT1

START

MAC: 2C3AE808000F

STOP

PASS

[state]run

SER OPEN OK

[mac]2C3AE808000F

UART DOWNLOAD OK

ANALOG TEST OK

TX TEST OK

RX TEST OK

[state]pass

[state]finish

[state]idle

[state]run

SER OPEN OK

[mac]2C3AE808000F

UART DOWNLOAD OK

ANALOG TEST OK

TX TEST OK

RX TEST OK

[state]pass

DUT2

START

MAC: 2c3ae8080000

STOP

IDLE

[state]run

SER OPEN OK

UART DOWNLOAD ERROR

SERIAL PORT EXCEPTION

[state]finish

[state]idle

DUT3

START

MAC: 2c3ae8080000

STOP

IDLE

[state]run

SERIAL PORT EXCEPTION

[state]finish

[state]idle

DUT4

START

MAC: 2C3AE808000F

STOP

IDLE

[state]run

SER OPEN OK

[mac]2C3AE808000F

UART DOWNLOAD OK

ANALOG TEST OK

TX TEST OK

RX TEST OK

[state]pass

[state]finish

[state]idle

# 文档

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ESP8266 跳转测试仪器适配.pdf

ESP8266 跳转测试用户说明.pdf