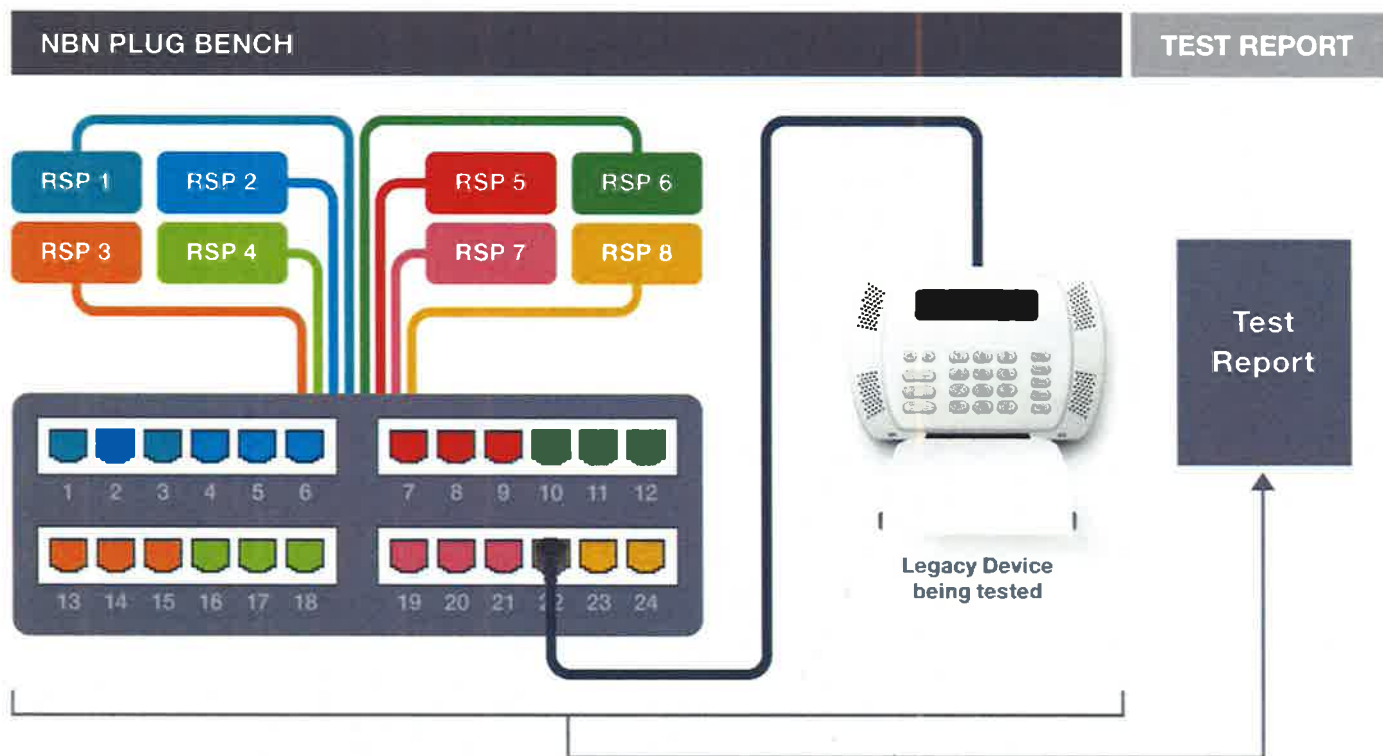


# Alarm Compatibility & Results of Testing

PSTN alarm testing

**HILLS.**

# Test Methodology



# Reliance Test Environment



<b>DAS Part Number</b>	<b>Description</b>
<b>S4697</b>	<b>Reliance R8 Alarm Panel</b>
<b>S1794A</b>	<b>Voicenav Codepad</b>
<b>N/A</b>	<b>DL900 Software</b>
<b>S3494A</b>	<b>Hayes Zoom USB modem</b>

## Reliance Test Results

RSP	CPE Port	Result
Optus Business	UNI-D	Pass
Telstra	UNI-D	Pass
Internode	UNI-V	Pass
Optus Business	UNI-D	Pass
iiNet	UNI-V	Pass
Telstra	UNI-V	Pass
Primus	UNI-V	Pass
APN	UNI-V	Pass
NextGen	UNI-V	Pass
Skymesh	UNI-V	Fail
Commander	UNI-V	Pass
Telstra	UNI-D	Pass

# Challenger V8 Test Environment



DAS Part Number		Description
S5090		TS0816 Tecom Challenger V8 Panel
S2314		CA1116 16 Area RAS and Reader
S5156		TS9002 Titan V3 software
S3494A		Hayes Zoom USB modem

## Challenger V8 Test Results

RSP	CPE Port	Result
Optus Business	UNI-D	Pass
Telstra	UNI-D	Pass
Internode	UNI-V	Pass
Optus Business	UNI-D	Pass
iiNet	UNI-V	Pass
Telstra	UNI-V	Pass
Primus	UNI-V	Pass
APN	UNI-V	Fail
NextGen	UNI-V	Pass
Skymesh	UNI-V	Fail
Commander	UNI-V	Pass
Telstra	UNI-D	Pass

# Challenger V10 Test Environment

DAS Part Number	Description
S3849A	TS1016 Tecom Challenger 10 Panel
S2314	CA1116 16 Area RAS and Reader
S5156	TS9002 Titan V3 software
S3494A	Hayes Zoom USB modem



## Challenger V10 Test Results

RSP	CPE Port	Result
Optus Business	UNI-D	Pass
Telstra	UNI-D	Pass
Internode	UNI-V	Pass
Optus Business	UNI-D	Pass
iiNet	UNI-V	Pass
Telstra	UNI-V	Pass
Primus	UNI-V	Pass
APN	UNI-V	Fail
NextGen	UNI-V	Pass
Skymesh	UNI-V	Fail
Commander	UNI-V	Pass
Telstra	UNI-D	Pass



## Notes and Caveats

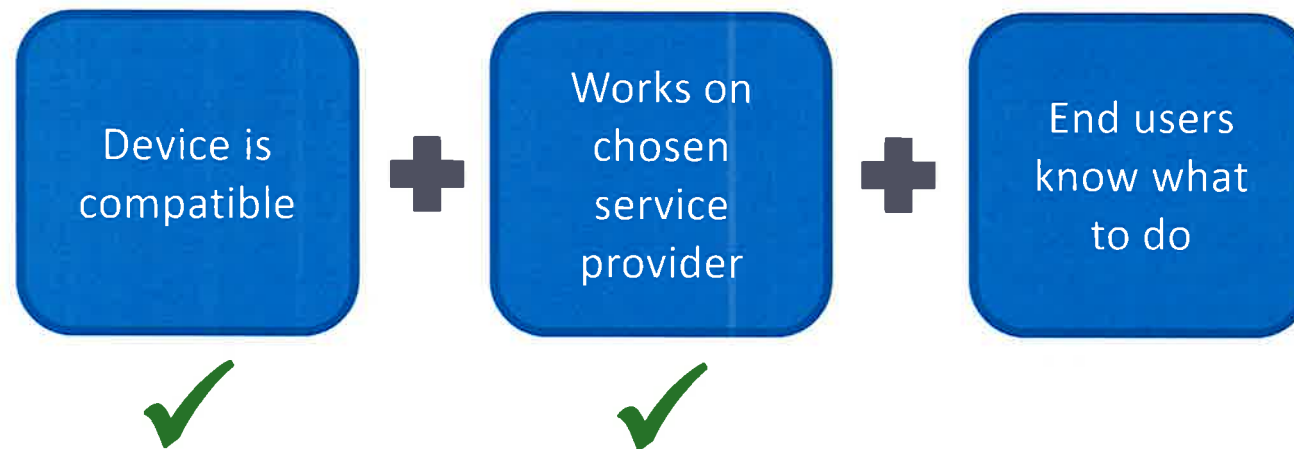
DAS Part Number	Description	Firmware Version	Other
S4697	Reliance R8 Alarm Panel	NX-8-V2 V1.00 B19D	All Reliance panels including NX4 are considered same results as R8 due to same hardware design and firmware stack.
S3849A	TS1016 Tecom Challenger 10 Panel	V3951	Blind Dial option MUST be set to "yes"
S5090	TS0816 Tecom Challenger V8 Panel	V8-C-MFR.8140	
N/A	DL900 Software	V4.01	Modem option MUST be selected as " <b>#77 Rockwell HCF</b> " under " <b>Program/Modem Setup</b> "
S5156	TS9002 Titan V3 software with Challenger 10	V3.02 B22	Modem string must be set to +ms=v34,0,14400,14400,14400,14400
S5156	TS9002 Titan V3 software with Challenger V8	V3.02 B22	Modem string MUST be set to ATZB0
S3494A	Hayes Zoom USB modem	N/A	

**Important:** Hills and NBN Co do not provide "certification" that devices work on certain networks, but they have been successfully shown to operate correctly.

## What does it all mean?

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**Objective:** End users experience a smooth transition to the NBN



# Migration Options

## SERVICE OPTIONS OVER THE NBN

### Option 1 - Service delivered over UNI-V



TESTED

### Option 2 - RSP support via a gateway



TESTED

### Option 3 - Migration to IP devices



### Option 4 - Move to Wireless



# Migration Options - Comparison

Option	Technology	Battery Runtime	Hardware change?	Wiring Required	Call charges?
1. UNI-V	Dial + DTMF	NTD - 3.5hrs	✗	✓	✓
2. UNI-D + RSP Gateway (voice)	Dial + DTMF	NTD - 3.5hrs RSP Gateway – ?*	✗	✓	✓
3. UNI-D + RSP Gateway (IP)	IP	NTD - 3.5hrs RSP Gateway – ?*	✓	✓	✗
4. Wireless	Wireless	Powered from alarm panel	✓	✗	✗

**Option 4** provides the longest runtime, doesn't require re-wiring and saves on call costs

\* RSP Gateways are typically not battery backed up

# Migration Options

## SERVICE OPTIONS OVER THE NBN

### Option 1 - Service delivered over UNI-V

NTD

UNI-V

Dial Device

TESTED

### Option 2 - RSP support via a gateway

NTD

RSP Gateway

Dial Device

TESTED

### Option 3 - Migration to IP devices

NTD

UNI-D

IP Enabled Device

### Option 4 - Move to Wireless

Wireless Device

3G/4G

