

# 2015 Half Year Results

5 August 2015

# Safe harbour statement



This presentation and the subsequent question and answer session may contain forward-looking statements that are based on current expectations or beliefs, as well as assumptions about future events. There are risk factors that could cause our actual results to differ materially from those expressed in or implied by such statements.

Spirent disclaims any intention or obligation to revise or update any forward-looking statements that may be made during this presentation or the subsequent question and answer session regardless of whether those statements are affected as a result of new information, future events or otherwise.

# H1 2015 Overview



- Group order intake up 4% as increased momentum in Networks & Applications was partially offset by Wireless weakness
- Group revenue slightly below expectations, impacted by many orders received too late to convert to revenue
- Service Assurance division revenue distorted by timing of field test revenue
- Delays to revenue and continued investment resulted in reduction in adjusted operating profit to \$6.0 million
- Maintained our investment in product development and increased sales and marketing expense
- Maintained interim dividend at 1.68 cents
- Order book built: book to bill ratio 103 (H1 2014: 98) which will benefit H2 2015

# Comparative results H1 2015



(\$ millions)	H1 2015	H1 2014
<b>Revenue</b>	<b>218.7</b>	<b>221.0</b>
Gross Profit	150.8	151.0
<b>Gross Margin</b>	<b>69.0%</b>	<b>68.3%</b>
Product development	60.1	55.3
Selling & distribution	63.2	53.0
Administration	21.5	22.1
<b>Operating Profit<sup>(1)</sup></b>	<b>6.0</b>	<b>20.6</b>
<b>Return on Sales<sup>(1)</sup></b>	<b>2.7%</b>	<b>9.3%</b>
Other items <sup>(2)</sup>	8.2	6.7
<b>Reported Operating(Loss)/Profit</b>	<b>(2.2)</b>	<b>13.9</b>
Net finance expense	(0.1)	-
<b>(Loss)/Profit before Tax</b>	<b>(2.3)</b>	<b>13.9</b>
Tax credit/(charge)	1.1	(3.4)
<b>Net (Loss)/Income</b>	<b>(1.2)</b>	<b>10.5</b>
<b>Basic EPS (cents)</b>	<b>(0.21)</b>	<b>1.72</b>
<b>Adjusted EPS<sup>(1)(3)</sup> (cents)</b>	<b>0.69</b>	<b>2.50</b>

- Regionally North America up 6%, APAC and EMEA down 10% and 9%
- Gross margin improved by 0.7% due to beneficial product mix in N&A
- Operating profit impacted by revenue miss and further investments to benefit 2016 and beyond
- Tax rate 26%; 25% is the approximate expected full year rate

Notes: (1) Before other items

(2) Other items are share-based payment, acquired intangible asset amortisation and acquisition expense

(3) Before prior year tax and tax in respect of items in note (2)

# Networks & Applications



(\$ millions)	H1 2015	H1 2014
<b>Revenue</b>	<b>107.5</b>	<b>104.0</b>
Gross Profit	74.7	70.0
<b>Gross Margin</b>	<b>69.5%</b>	<b>67.3%</b>
Product development	29.5	28.8
Other expenses	43.5	40.9
<b>Operating Profit</b>	<b>1.7</b>	<b>0.3</b>
<b>Return on Sales</b>	<b>1.6%</b>	<b>0.3%</b>

- Order intake grew 6%; book to bill 111 (H1 2014: 108)
- Growth of 28% in wireless infrastructure solution orders also strong demand for 100G Ethernet and security
- Improvement in gross margin
- Success with software-defined networking (“SDN”) and network functions virtualization (“NFV”) test solutions at leading Network Equipment Vendors

# Wireless & Service Experience



(\$ millions)	H1 2015	H1 2014
<b>Revenue</b>	<b>84.3</b>	<b>85.7</b>
Gross Profit	56.3	57.6
<b>Gross Margin</b>	<b>66.8%</b>	<b>67.2%</b>
Product development	21.2	21.1
Other expenses	30.4	26.3
<b>Operating Profit</b>	<b>4.7</b>	<b>10.2</b>
<b>Return on Sales</b>	<b>5.6%</b>	<b>11.9%</b>

- Revenue growth in Positioning due to significant orders from US Government sector and good performance from Service Experience
- Wireless impacted by significant reduction in spend at a major customer in Asia, consolidation of the mobile device ecosystem and intense competition
- Cost reduction actions taken in Wireless in June 2015; cost \$0.4 million with annualised cost savings of \$6 million
- Book to bill ratio 106 (H1 2014: 107)

# Service Assurance



(\$ millions)	H1 2015	H1 2014
<b>Revenue</b>	<b>26.9</b>	<b>31.3</b>
Gross Profit	19.8	23.4
<b>Gross Margin</b>	<b>73.6%</b>	<b>74.8%</b>
Product development	9.4	5.4
Other expenses	8.7	4.2
<b>Operating Profit</b>	<b>1.7</b>	<b>13.8</b>
<b>Return on Sales</b>	<b>6.3%</b>	<b>44.1%</b>

- Revenue distorted by phasing of delivery of field test orders to a major North American service provider, \$5.7m H1 2015 v \$12.0m H1 2014
- Performance impacted by reduction in revenue, lower gross margin and investment in the new and existing businesses
- Completed development of our TestCenter Live virtual probe, now in trials at major operators and our 100G probe already installed
- Won new business for software solutions for 2016 and beyond
- Currently bidding for business which is expected to benefit 2016

# Market opportunities



Investment in digital technologies

Wireless: new services

Virtualization: live network assurance

Cybersecurity

Automation

Interoperability

Positioning and timing



# Outlook



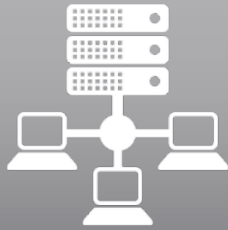
- Expect the second half year to show growth over last year
- Full year revenue in line with expectations
- Full year profit materially below our expectations reflecting low profitability in H1, ongoing investment and anticipated revenue mix
- Product offering, pipeline and customer activity give confidence in the prospects for the Group

The background of the slide is a complex, abstract circuit diagram. It consists of numerous white lines representing circuit traces, various geometric shapes like squares and circles, and icons such as integrated circuits, capacitors, and inductors. The entire design is rendered in shades of blue and white, creating a high-tech, digital aesthetic.

# **Additional information**

# Served Markets

## NETWORKS & APPLICATIONS



Addressable Market <sup>(1)</sup> **\$950M**

2015 Market Share **25%**

ESTIMATED  
MARKET  
3-YR CAGR

**8%**

Ethernet

Data center/cloud computing

Applications and security

Test optimization

Wireless infrastructure

## WIRELESS & SERVICE EXPERIENCE



Addressable Market <sup>(1)</sup> **\$1,050M**

2015 Market Share **18%**

ESTIMATED  
MARKET  
3-YR CAGR

**5%**

Wireless devices

Wireless channel emulation

Satellite navigation  
and global positioning

Wireless service experience

Automotive Test

## SERVICE ASSURANCE



Addressable Market <sup>(1)</sup> **\$850M**

2015 Market Share **9%**

ESTIMATED  
MARKET  
3-YR CAGR

**9%**

Ethernet business services

Wireless backhaul

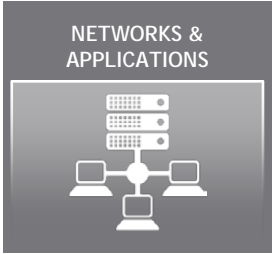
Field test solutions

Customer experience Management

Carrier WiFi

Device Management & Intelligence

Note: (1) Spirent estimates



# Networks & Applications Segment

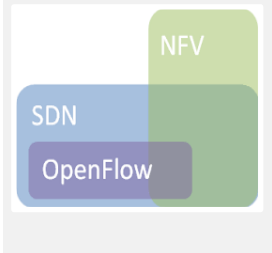
## *Cloud & IP*



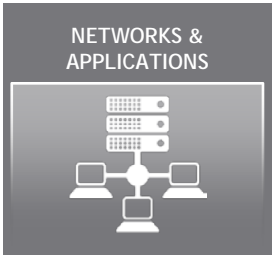
- CIP bookings up in 2015 H1
  - Strong finish in Q2;
  - Q2 bookings up 7% YoY
  - Increase in spending from top customers



- Leadership in High Speed Ethernet
  - 1<sup>st</sup> to market with 8 port 100G & 100G impairment emulator
  - Won Best of Show @ Interop Tokyo for 400G
  - Collaborating with market leaders to build 25G



- Enabling SDN & NFV deployments
  - State of the art virtualized test products to help customers accelerate SDN/NFV deployments
  - Strong contributor to industry standards bodies



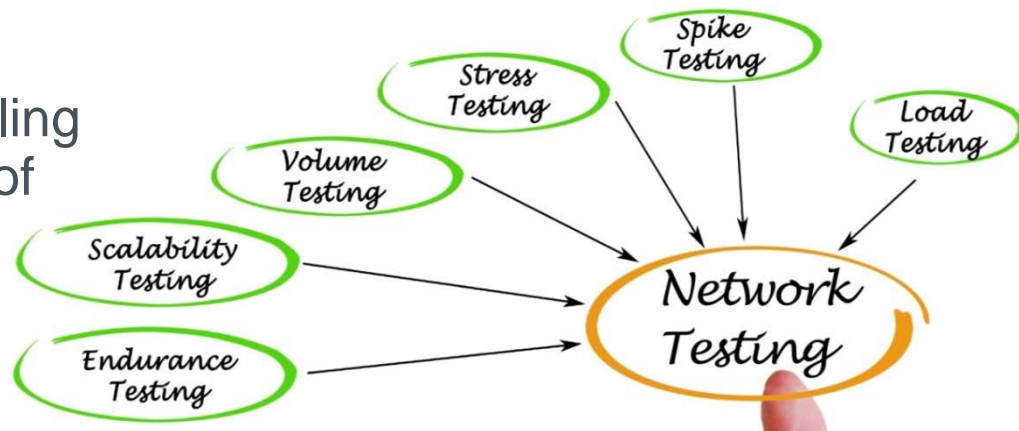
# Networks & Applications Segment

## *Mobility Infrastructure*



### *(re)defining Network Element testing*

- 28% global growth YoY for H1 driven by EPC, Wi-Fi, Diameter and IMS
- Commercial deployments for Voice over LTE (VoLTE), Connected Car and Internet of Things (IoT) driven by scale requirements for physical and virtual mobile infrastructures
- Expanded Wi-Fi market with the launch of an RF interface and Voice over Wi-Fi on Spirent Landslide™, enabling carriers to validate VoWi-Fi to VoLTE handovers
- Predicting and preventing signaling storm outages with the release of a comprehensive Diameter performance and scale test solution







# Networks & Applications Segment

## *Applications and Security*



**Bookings up more than 20%  
over H1 2014**

**Largest Avalanche NEXT  
deal to date: >\$650K**



**Enhanced capability and usability in our recent  
next-generation platform has increased adoption  
at new and incumbent accounts**



# Networks & Applications Segment

## *ITO CLEAR Solutions*



**CapEx & OpEx  
optimizations driving lab  
consolidation,  
virtualization &  
automation**



### Products & Services

- ↑ 18% YoY across product lines
- ↑ 45% YoY in Americas
- ↑ Q2 YoY Recorder

### Product Innovations

- Virtual testbed orchestration
- Mobile network test automation

**DevOps: Continuous  
Testing biggest challenge  
for new adopters**



### CLEAR DevOps Solution

- \$2M+ bookings in H1
- 4-year commitment extension from major NEM





# Wireless & Service Experience Segment

## *Wireless Devices & Services*

- **Elevate.** Delivered this innovative Wireless services test platform to carriers and smartphone manufacturers for VoWiFi, RCS services and Location testing
- **Channel Emulators.** Growth of more than 17% YoY, driven by MIMO Over-the-Air testing
- **Carrier Acceptance Test.** Sharp decline as a result of fall in major device manufacturer spend and ecosystem contraction
- **Service Experience.** Opened **Fit4Launch Lab in Beijing**; Released new video solution (**Chromatic**)







# Wireless & Service Experience Segment

## *Positioning, Navigation and Timing (PNT)*

- **GSS9000.** Maintained industry leadership. Bookings growth over 20%
- **US government and commercial markets.** Strong performance; Bookings grew >135%
- New methodology and test system developed to test and calibrate **timing receivers** (ITU G.8272) in collaboration with our partner Calnex





# Wireless & Service Experience Segment

## *Automotive*

- Launched the **eCall and ERA-GLONASS In-Vehicle Systems (IVS) Test System**
- Announced **Automotive Record and Playback Test System**
- Signed a cooperation agreement with TÜV Nord, one of the largest technical service providers in the Automotive industry





# Service Assurance Segment

## *Network Assurance and Data Analytics*



- **Test Center Live.** Released **virtual probe** (conducting trials at two major operators) and our **100G probe** (operating in one major operator)
- **Tech-X Flex.** Delivered \$5.7M to a major North American operator and won new customers
- **InTouch.** Delivered VoLTE application to major US carrier for end-to-end visibility for rapid technical support



# Free cash flow

(\$ millions)	H1 2015	H1 2014
<b>Operating (Loss)/Profit</b>	<b>(2.2)</b>	<b>13.9</b>
Depreciation and loss on disposal	10.8	9.5
Intangible amortisation and share-based payment	8.7	6.5
Working capital, provisions and pensions	(0.1)	6.2
<b>Cash Flow From Operations</b>	<b>17.2</b>	<b>36.1</b>
Tax	3.1	(3.4)
<b>Net Cash Flow From Operating Activities</b>	<b>20.3</b>	<b>32.7</b>
Net interest income	0.3	0.2
Net capital expenditure	(9.5)	(13.8)
<b>Free Cash Flow</b>	<b>11.1</b>	<b>19.1</b>
Acquisitions	-	(38.9)
Dividends and share buyback	(13.4)	(28.7)
Other	(0.1)	-
Exchange	(0.4)	0.7
<b>Closing Cash And Cash Equivalents</b>	<b>97.0</b>	<b>168.4</b>



**[spirent.com](https://spirent.com)**

© Spirent Communications, Inc. All of the company names and/or brand names and/or product names and/or logos referred to in this document, in particular the name "Spirent" and its logo device, are either registered trademarks or trademarks pending registration in accordance with relevant national laws. All rights reserved. Specifications subject to change without notice.