

All-IP Migration: How Packets Killed the Circuit-Switched Star

<https://marketpublishers.com/r/AE327977817EN.html>

Date: February 2017

Pages: 32

Price: US\$ 2,200.00 (Single User License)

ID: AE327977817EN

Abstracts

The transition from circuit-switched to packet-switched services is a long-term trend, which has already deeply impacted electronic communications markets. Further fuelled by the roll-out of next generation fixed and mobile access networks it seems clear that PSTN services will be switched virtually entirely over by 2025. There is a mix of reasons why operators adopt all-IP. Cost savings are clearly an important part of the equation, especially in an industry that is struggling with decreasing or flat revenues. The challenges that operators need to overcome in the process are diverse. The migration as such is a hugely complex operation that will require significant resources in terms of investment and manpower. This report examines the above-mentioned drivers and challenges, explores related regulatory matters and presents a detailed state-of-play of a number of major operators' all-IP initiatives.

The circuit-switched public telephone network has served its users well for more than a century. The technology has proven reliable and provided a good quality of service to billions of users over the years. However, as electronic communications have become ever more data-centric, circuit-switched communications have become less relevant over time, as packet-switched communications have proven to deliver services more efficiently and in larger variety. The development of additional features for circuit-switched communications via the introduction of ISDN in the 1990s has not fundamentally changed this trend. In the last mile in the ground and still make all-IP a strategic priority?

Contents

1. EXECUTIVE SUMMARY

- 1.1. A transition well on its way
- 1.2. Drivers and challenges
 - 1.2.1. Drivers
 - 1.2.2. Challenges
- 1.3. Regulation
- 1.4. Operators' all-IP projects

2. METHODOLOGY & DEFINITIONS

3. INTRODUCTION

4. DRIVERS AND CHALLENGES

- 4.1. Drivers
 - 4.1.1. Cost savings
 - 4.1.2. Lacking staff and equipment support
 - 4.1.3. Service provision
 - 4.1.4. New services
- 4.2. Challenges
 - 4.2.1. Value destruction in traditional services
 - 4.2.2. Migration cost
 - 4.2.3. Non-telephony services
 - 4.2.4. Customer information

5. REGULATORY REPERCUSSIONS

- 5.1. Consumer aspects
- 5.2. Competition aspects

6. OPERATORS' ALL-IP PROJECTS

- 6.1.1. Deutsche Telekom
- 6.1.2. Swisscom
- 6.1.3. Orange
- 6.1.4. AT&T

6.1.5. Telefónica

6.1.6. BT

Tables & Figures

TABLES & FIGURES

Table 1: Progress towards all-IP by European operators

Table 2: Commercial VoLTE launches 2015-16

Table 3: Evolution of Free's unlimited fixed VoIP calling service

Figure 1: Fixed telephony lines by technology – EU5

Figure 2: Fixed telephony lines by technology – France

Figure 3: Reasons for IP-migration

Figure 4: Swisscom IP migration rationale

Figure 5: Annual maintenance cost

Figure 6: Legacy and all-IP service provisioning

Figure 7: GSM-based elevator alarm with battery backup

Figure 8: Deutsche Telekom MSAN POTS and wireless elevator alarms

Figure 9: Letter sent to PSTN users in Palaiseau trial area

Figure 10: Screenshot Deutsche Telekom video on IP migration

Figure 11: AT&T events in all-IP trial area

Figure 12: Did users feel sufficiently informed?

Figure 13: AT&T battery backup

Figure 14: Orange POI for fixed call termination

Figure 15: Deutsche Telekom advantages and challenges

Figure 16: Deutsche Telekom 'Pan-Net' production model

Figure 17: Swisscom progress and completion deadline comparison

Figure 18: Swisscom migration progress

Figure 19: Palaiseau municipal magazine informing about fibre

Figure 20: Transition to fibre networks and copper switch-off

Figure 21: Orange switch-over milestones

Figure 22: Orange collaborating with stakeholders on non-voice substitutes

Figure 23: AT&T stand at local event in Carbon Hill

Figure 24: AT&T reporting on all-IP trial

Figure 25: TEF network transformation

Figure 26: BT's views on all-IP voice

Figure 27: BT's roadmap to all-IP

I would like to order

Product name: All-IP Migration: How Packets Killed the Circuit-Switched Star

Product link: <https://marketpublishers.com/r/AE327977817EN.html>

Price: US\$ 2,200.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/AE327977817EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970