



From KPI to QoE

Building a Customer Oriented Quality Process

CLARO BRASIL – Access Network and QoS – Eusebio Costa Nov-2017

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Operadoras são campeãs de reclamações
do consumidor; veja ranking

17 de março de 2017 2



Operators are
customer
complaint
champions.

PRIMEIRO PLANO | HORIZONTES | ESPORTES | ALMANAQUE | OPINIÃO | MAIS | PLURAL | COMPRE HOJE

Procons fazem listas das empresas denunciadas e as campeãs são todas gigantes de atuação nacional

Paula Coura e Felipe Motta
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27/01/2017 - 06h00

Compartilhe Link: <http://hoje.vc/w87e>

As empresas que encabeçam o ranking de reclamações nos Procons de Belo Horizonte são todas gigantes de atuação nacional.

A pedido do Hoje em Dia, os Procons da Assembleia Legislativa e da Prefeitura de Belo Horizonte compilaram as denúncias feitas por clientes insatisfeitos no ano passado e montaram listas das empresas mais reclamadas. O somatório das duas listas aponta as dez campeãs em desagradar e desrespeitar os direitos dos consumidores na Capital.

No topo estão cinco empresas de telefonia e um banco, duas de prestação de serviços de televisão por assinatura e duas redes varejistas de eletrodomésticos e eletroeletrônicos (veja infográfico).

+ PRIMEIRO PLANO

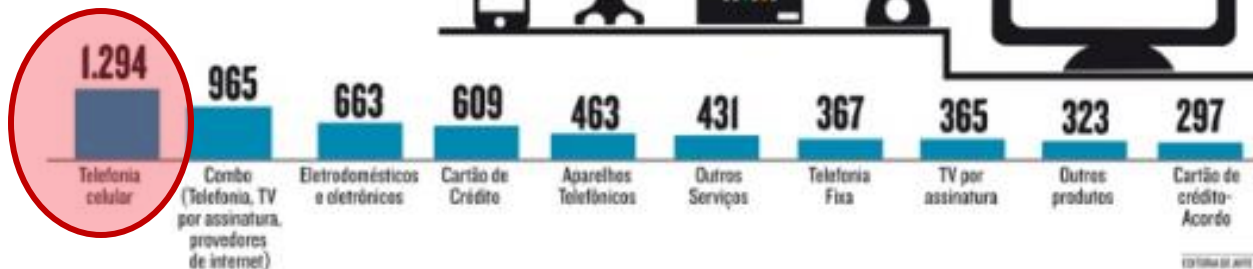
- Ex-vice-presidente argentino é detido, acusado de enriquecimento ilícito
- Ministra do 'trabalho escravo' diz que está entre ministros que ganham men...
- Exportações de frango crescem 16,2% em outubro

PROCONS
make list:
Leaders are
national
giants.



Reclamações por segmento

(PROCON DA ASSEMBLEIA LEGISLATIVA DE MINAS)



Complaint Rank:

Procon List
4 Operators
Per Segment
Mobile Operators



Surpresa agradável: telefonia móvel é o serviço telecom com menos queixas na ANATEL

16 de agosto de 2017 6



Great Surprise:

Mobile Telephony is the telecom service with less complaints in ANATEL



> Matérias > Cai número de reclamações contra as operadoras, diz Anatel



(Foto: Reprodução)

Cai número de reclamações contra as operadoras, diz Anatel

REDAÇÃO OLHAR DIGITAL 18/04/2017 11:55

ANATEL - BRASIL - OPERADORAS

Dados divulgados pela Anatel nesta terça-feira, 18, mostram que as reclamações de consumidores a empresas do segmento de telecomunicações caíram 16% no último ano.

Em março de 2017, foram registradas 323,4 mil reclamações pela agência, a maior parte delas relacionada à telefonia fixa: 74,2 mil. A banda larga fixa aparece em segundo lugar, com 49 mil reclamações, seguida pela TV por assinatura, que registrou 45,4 mil reclamações.

Operadoras

Todas as operadoras, com exceção da TIM, registraram queda no número de queixas de consumidores no segmento de telefonia móvel. Confira os números:

	Março - 2016	Março - 2017
Claro	40,2 mil	34,3 mil
Nextel	13 mil	10,1 mil
Tim	48,7 mil	42,8 mil
Oi	20,9 mil	25,2 mil
Vivo	44,8 mil	38,7 mil

ANATEL says complaints against operators decrease

- Serviços de telefonia móvel: 1 reclamação para cada 1.840 linhas
- Serviços de telefonia fixa: 1 reclamação para cada 687 linhas
- Serviços de banda larga fixa: 1 reclamação para cada 659 linhas
- Serviços de TV por assinatura: 1 reclamação para cada 453 linhas
- Telefonia móvel: 242,12 milhões
- Telefonia fixa: 41,19 milhões
- Banda larga fixa: 27,68 milhões
- TV por assinatura: 18,64 milhões

Happiness = Reality - Expectations

Quality = Perception - Reality

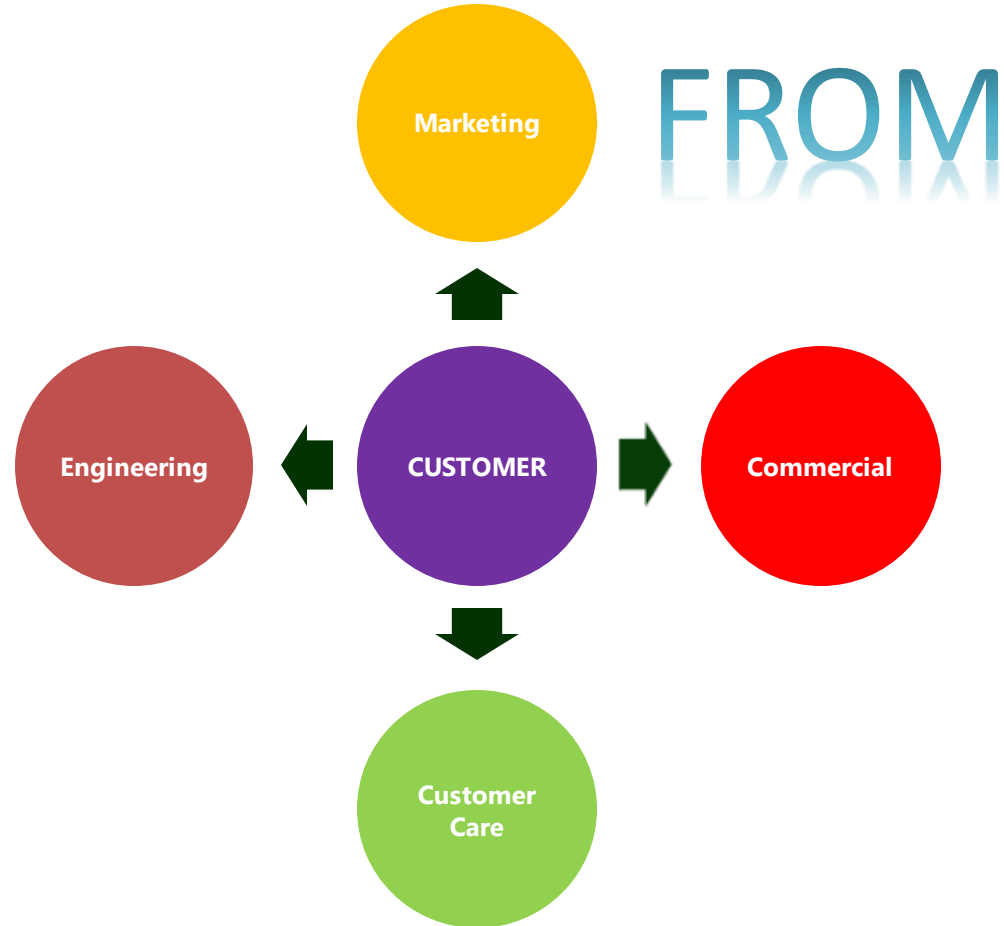


Performance Attributes

- Quick **Problem Solving**
- **Billing** transparency
- Prioritization of Customer Needs
- Keep up with the **Promises**
- Friendly and motivated Staff
- Easiness of **payments**
- Awareness of products and services used by customers
- Relevance and timing of **Communication**
- Frequent introduction of new **products and services**

- ✓ Hear!
- ✓ Listen!
- ✓ Analyze!!
- ✓ Antecipate...
- ✓ Map, diagnose, act!
- ✓ Simplify!

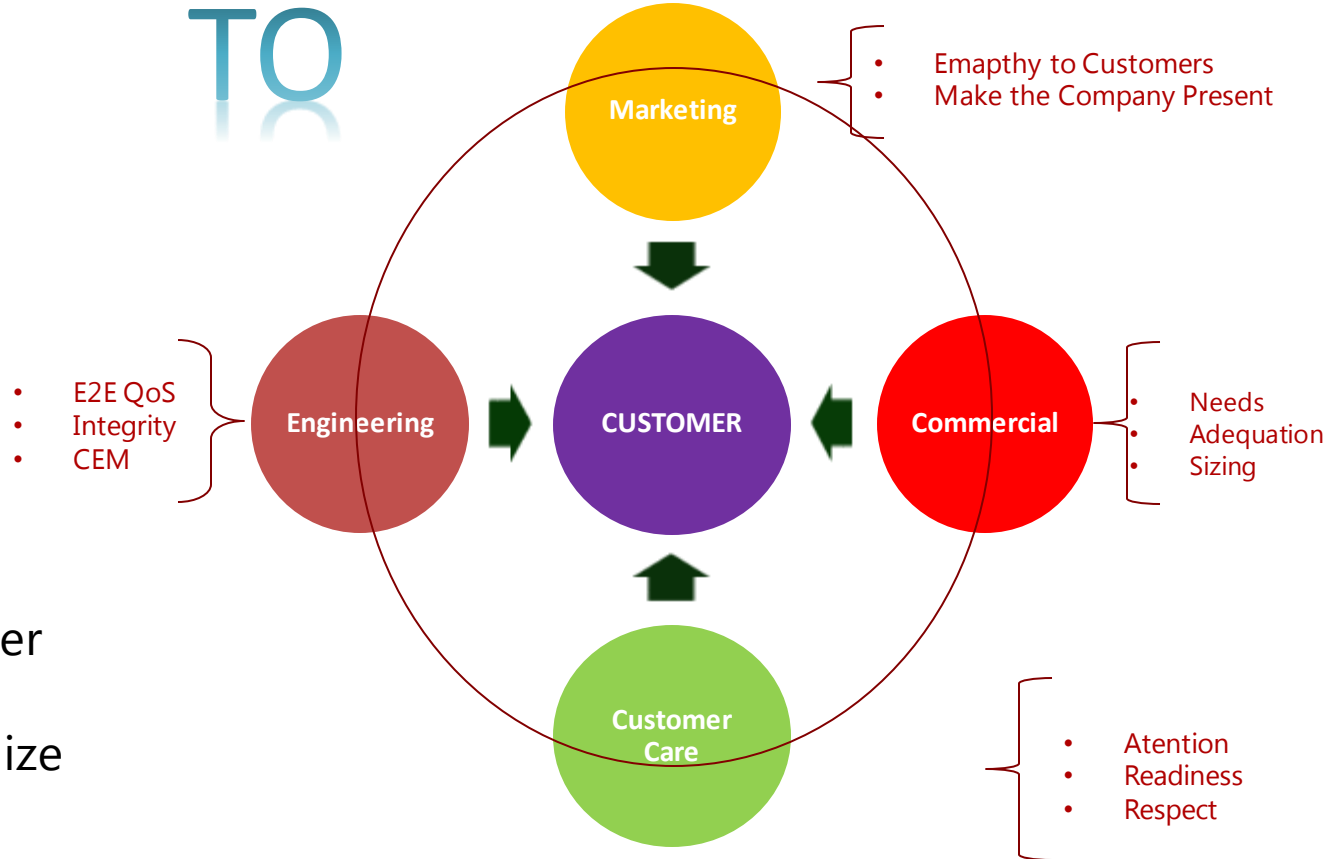
- Processes
- Capacitate First!
- Organize, train, learn
- V**oice **O**f the **C**ustomer
- Empathy
- Automatize x Humanize
- Big Data – Analytics
- CEM – 360°



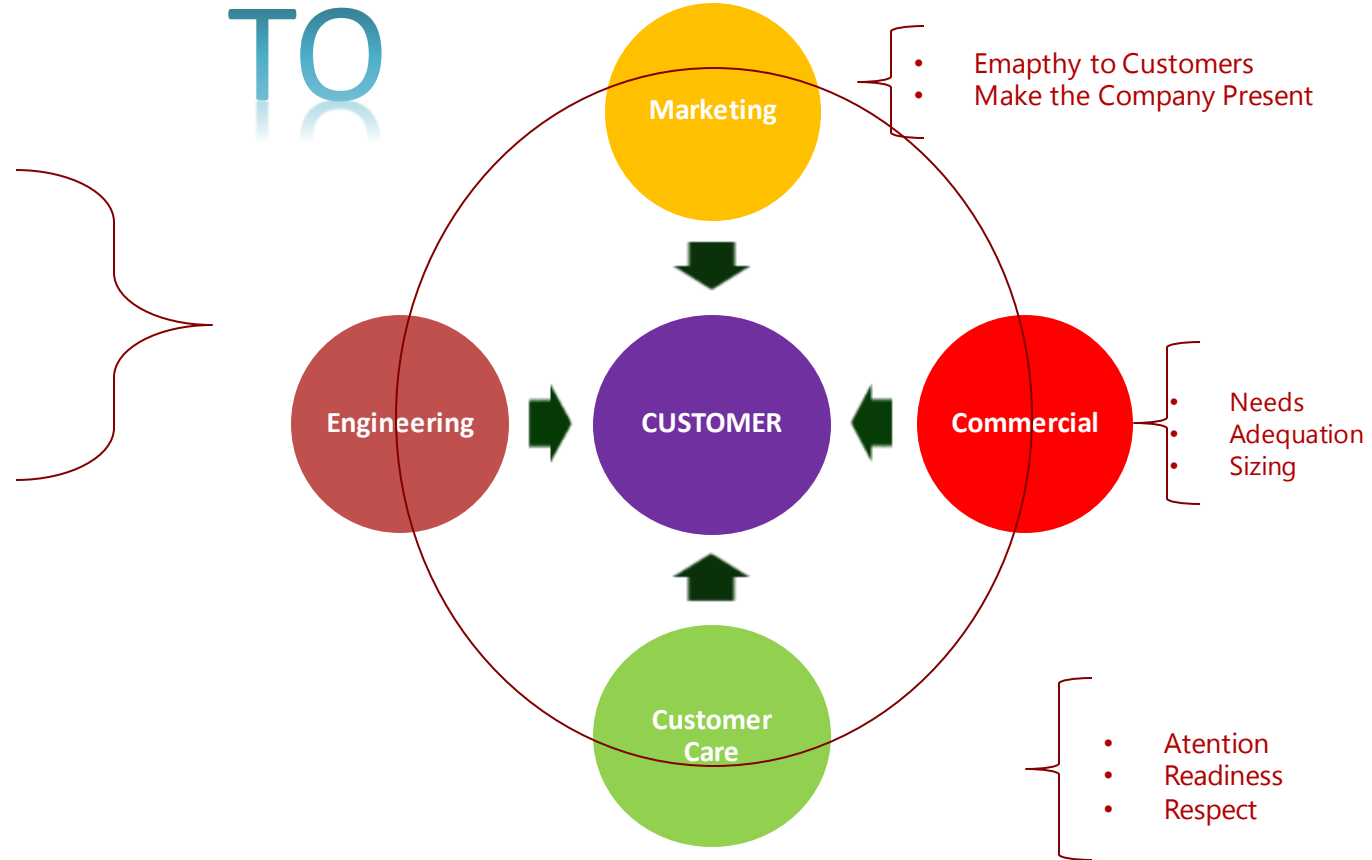
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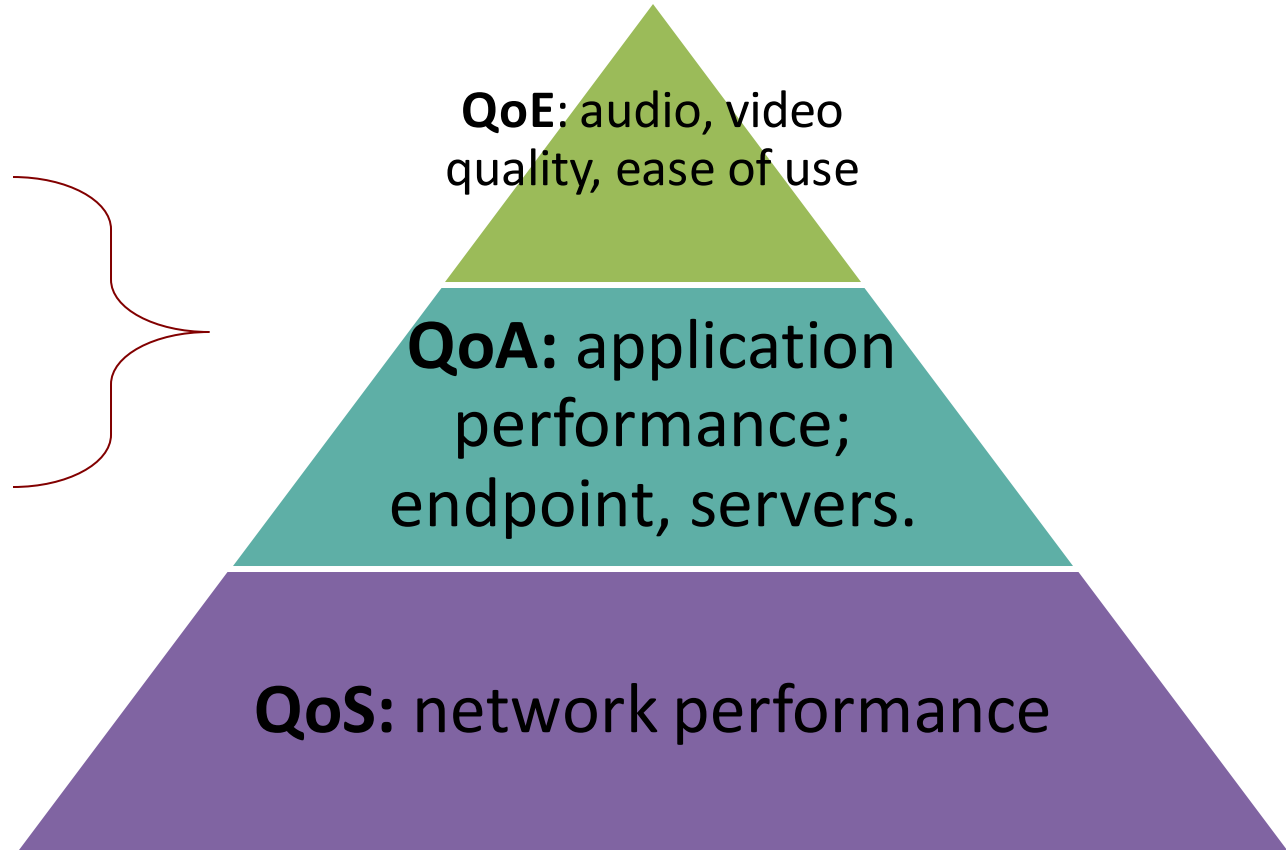
TO



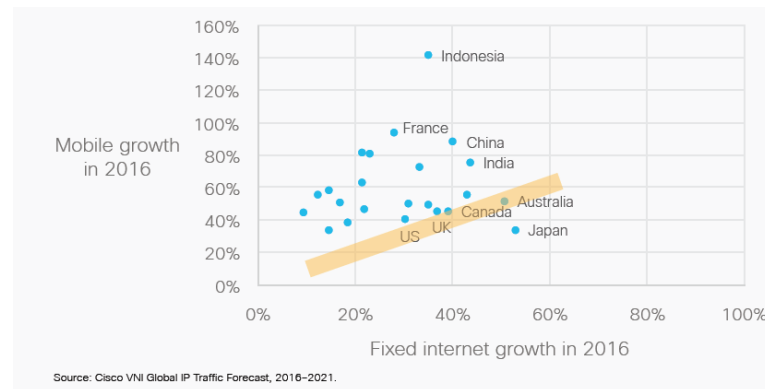
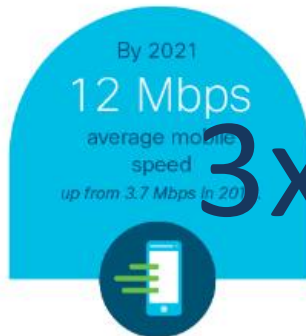
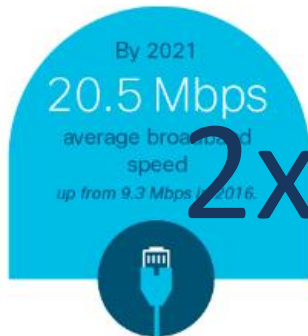
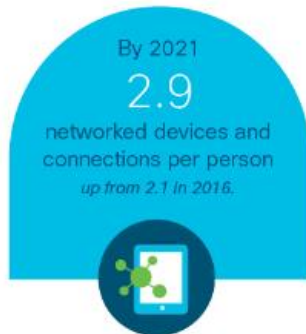
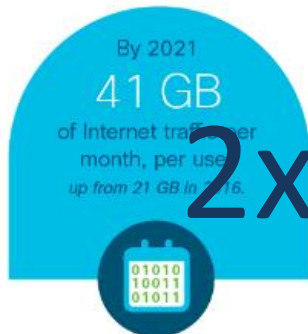
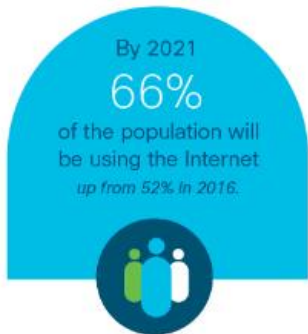
- E2E QoS
- Integrity
- CEM

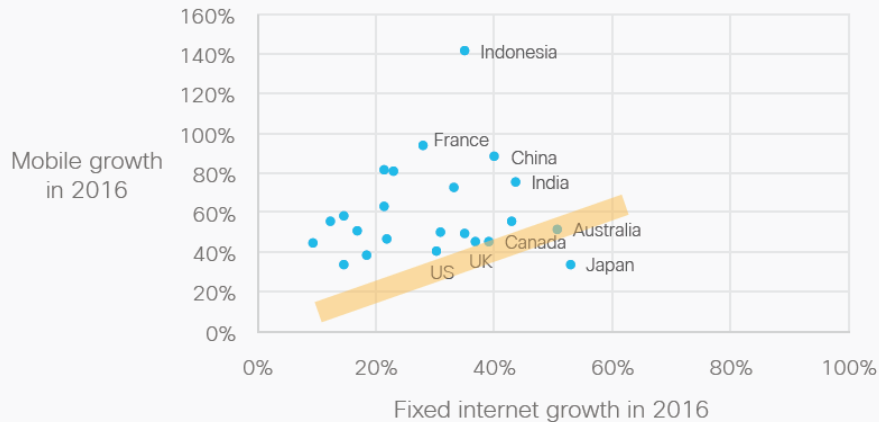


- **E2E QoS**
- **Integrity**
- **CEM**



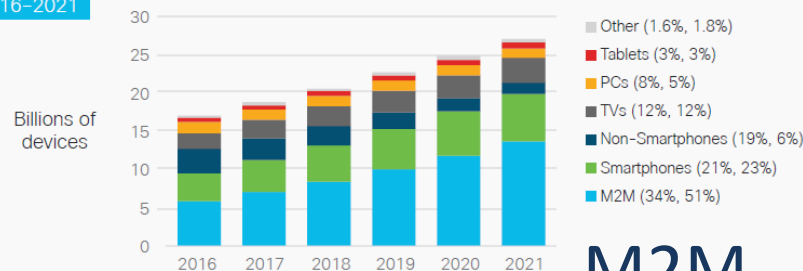
2021





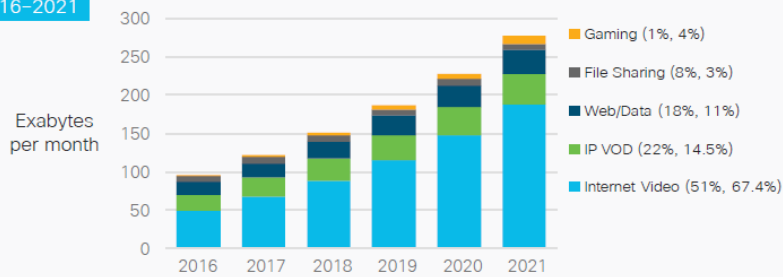
Source: Cisco VNI Global IP Traffic Forecast, 2016–2021.

10% CAGR
2016–2021



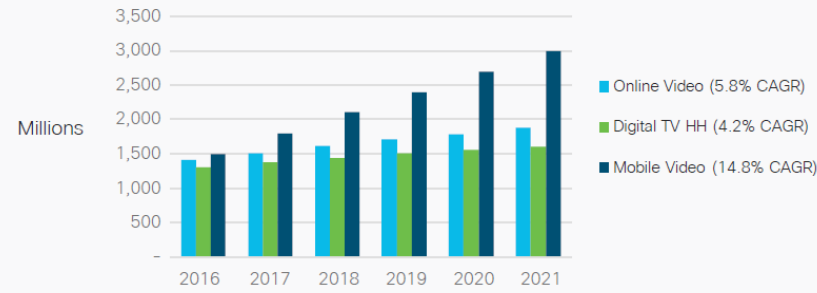
Figures (n) refer to 2016, 2021 device share.
Source: Cisco VNI Global IP Traffic Forecast, 2016–2021.

24% CAGR
2016–2021



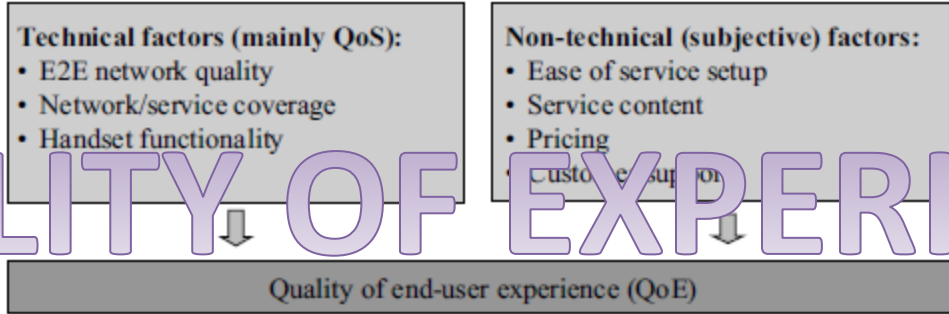
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Internet Video



Source: Cisco VNI Global IP Traffic Forecast, 2016–2021.

Mobile Video

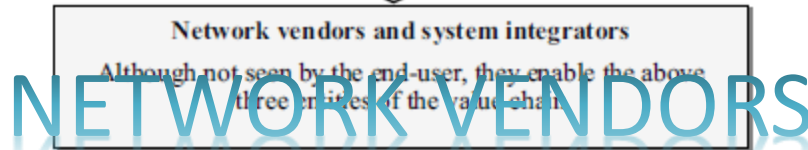
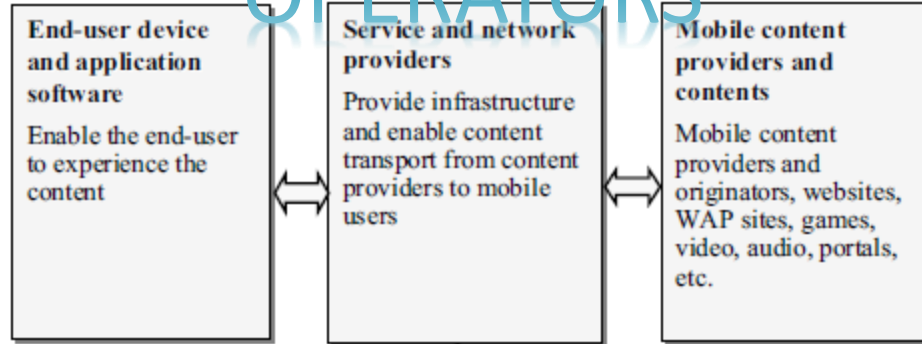


QUALITY OF EXPERIENCE

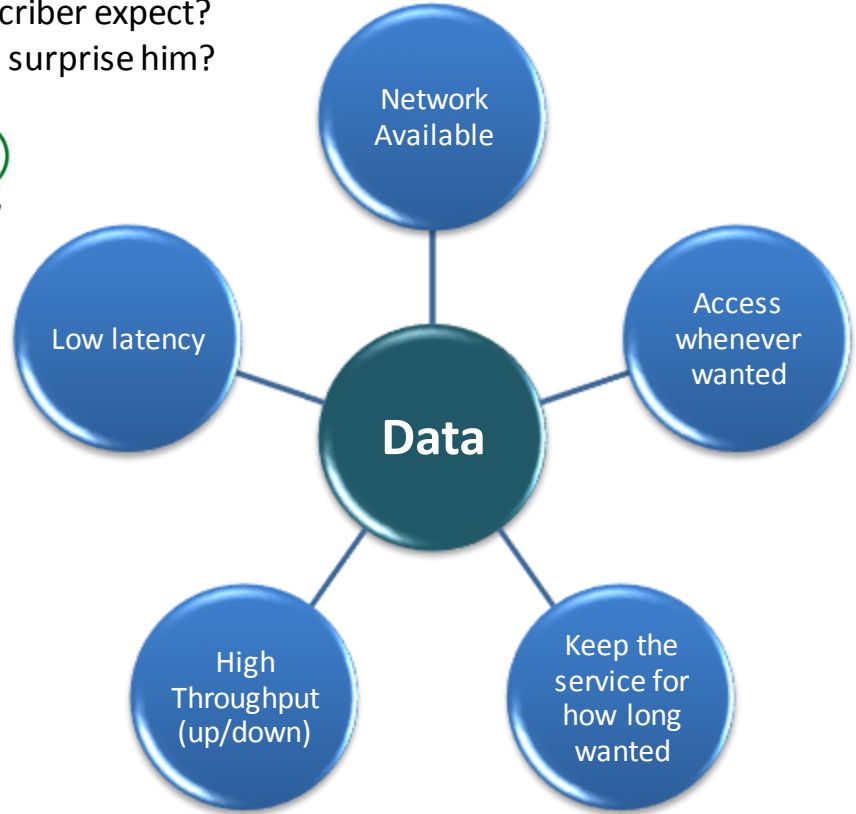
OPERATORS

DEVICES

CONTENT PROVIDERS

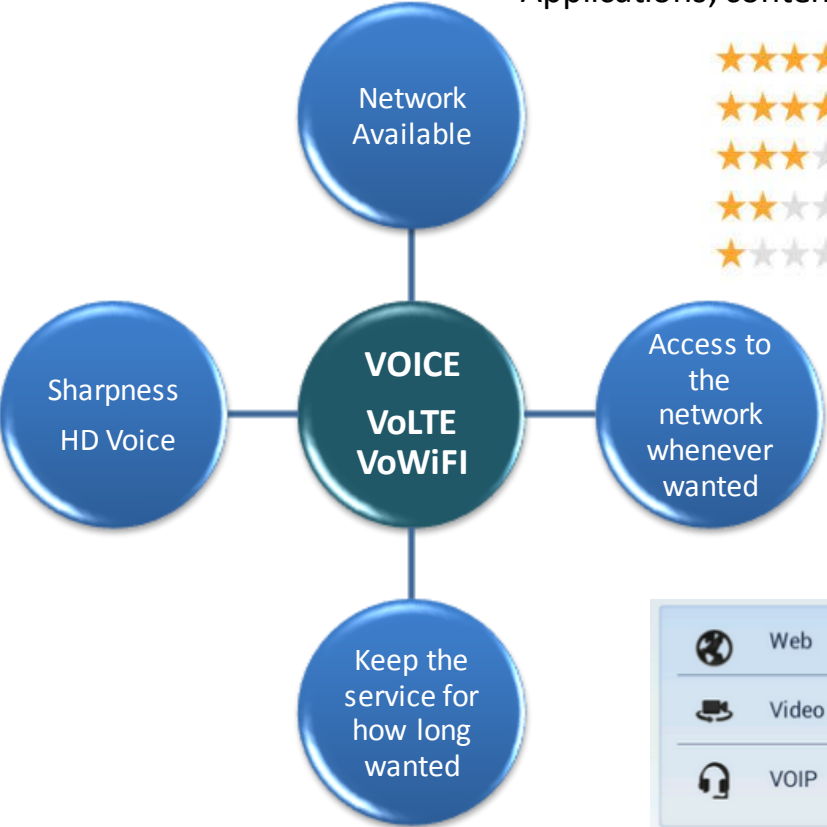


What does our subscriber expect?
What must we do to surprise him?

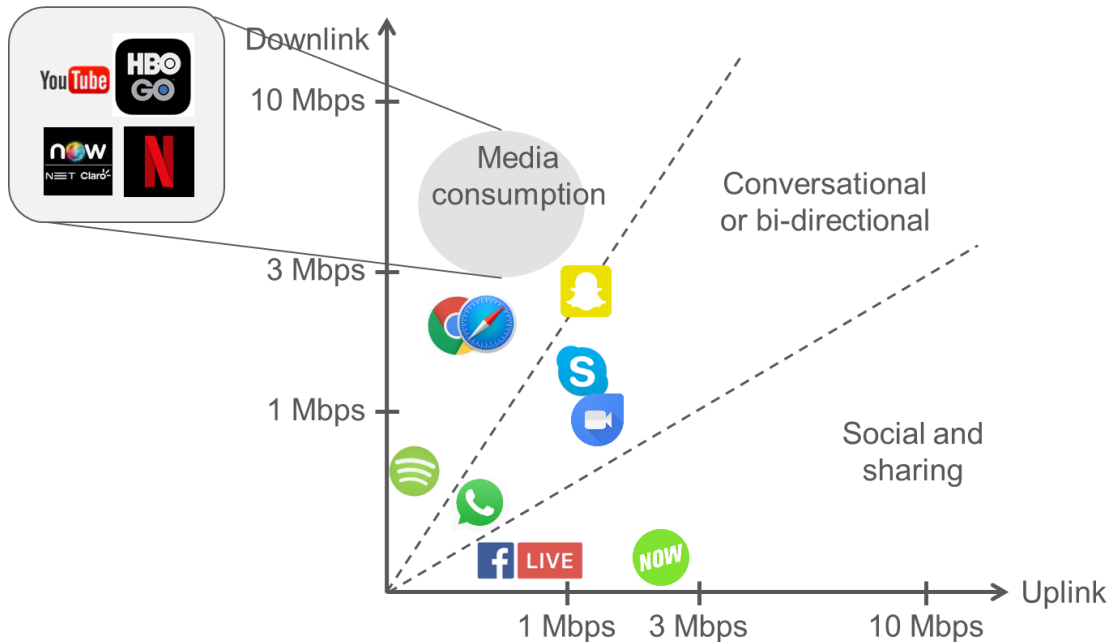


How to fulfill individual needs?
Applications, content and experience, instead of network only.

- ★★★★★ Loved it
- ★★★★☆ Liked it
- ★★★☆☆ It was ok
- ★★☆☆☆ Disliked it
- ★☆☆☆☆ Hated it

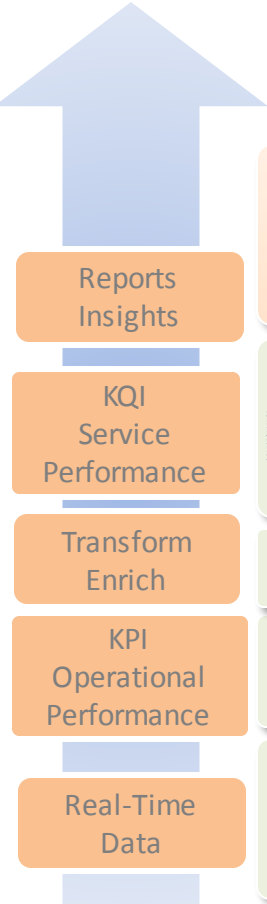


	Web	★★★★★
	Video	★★★★★
	VOIP	★★★★★



Referência: Ericsson Smartphone Lab (2016-12)

- Aplicativos de *mobile vídeo* demandam velocidades de download superiores a 3Mbps para carga de imagens e 'bufferização'
- Velocidades de *upload* inferior a 1Mbps para troca de *sinalização e ACK* dos terminais



Engineering, Operations, TI, Network, O&M, Customer Care, Marketing B2B, Marketing B2C, ...

Analytics

Dashboards & Visualisation

Dashboards

Executive Reports

Infographics

ETL

(probes)

Big Data

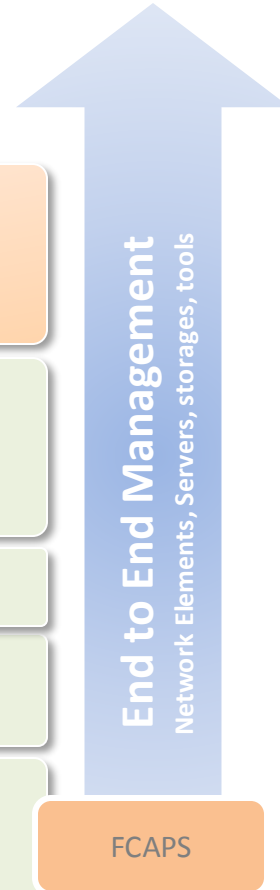
OSS Tools

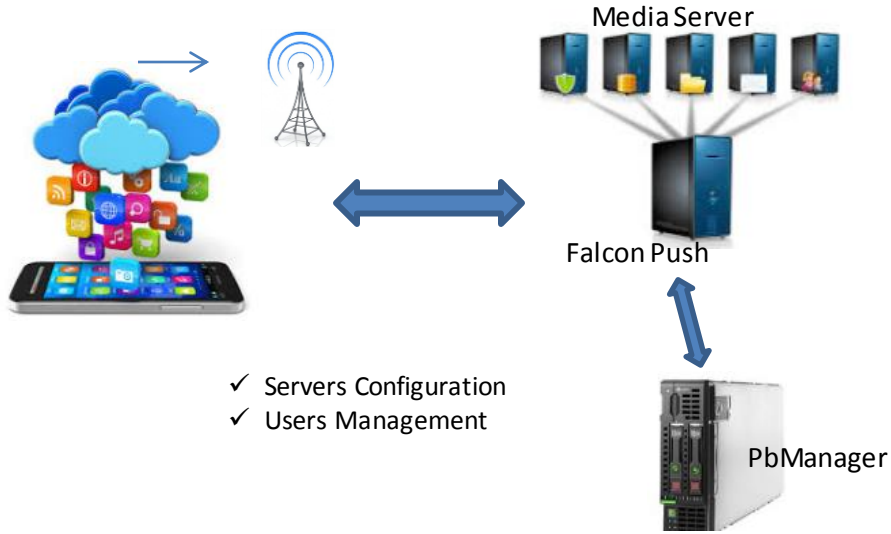
Data Source

streaming logs

SNMP flows

CDRs





- ✓ Servers Configuration
- ✓ Users Management



- **Dashboards**
 - NET
 - CLARO
 - Regulatory



Heavy User TABLE Mediation

IMEI+CGI

IMEI=TAC



Maker
Model
Technology

Coverage 2G, 3G, 4G

Classification
Heavy Users

List of Heavy Users
City
GSM Data/Voice
GSM Only Terminals
Dual Sim Devices (2nd Slot)
Network – O&M, Provis.

CUSTOMER EXPERIENCE DRIVES SALES

In a transaction-based business, sales are driven by good customer experience.

ANNUAL REVENUE INCREASE PER CUSTOMER



SOURCE MEDALLIA ANALYSIS

HBR.ORG

CUSTOMER EXPERIENCE DRIVES MEMBERSHIP

In a subscription-based business, membership is driven by good customer experience.

PREDICTED FUTURE MEMBERSHIP (YEARS)



SOURCE MEDALLIA ANALYSIS

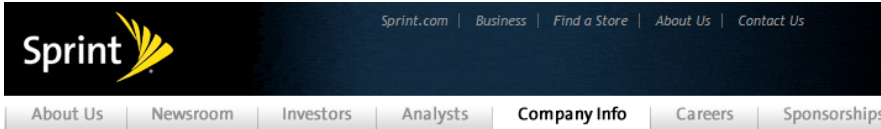
HBR.ORG

“delivering great experiences actually reduces the cost to serve customers from what it was previously. Unhappy customers are expensive — being, for example, more likely to return products or more likely to require support.”

Pain points from the customer's perspective:

- Are **device or package** comparisons well communicated?
- Or are customers left confused by the **range of options** open to them?
- Are customers being forced to speak to **multiple agents** to solve a single query?
- Are **terms and conditions** – whether for insurance or for plans – well understood before a sale is completed?
- Do customers **call back** at a later date because they are confused by what they have bought?

***Bain & Company** forecasts that companies excelling in customer experience grow revenues four to eight percent beyond the rest of their market.*



- Welcome
- Executive Team
- Corporate Governance
- Corporate Responsibility
- Introduction
- Message from Dan Hesse
- Sprint Approach
- Reporting
- CR Performance
- 2010 Objectives
- Sustainability Scorecard

Our Customers

Priority: We will strive to dramatically improve customers' experience and earn their long-term loyalty

Throughout 2010, Sprint customers continued to see unprecedented, continuous improvement in their experiences thanks in large part to the Sprint Customer Care organization. Through having an unwavering focus on the customer, Customer Care focused on "upstream drivers" - the reasons why customers have called in the first place. During the year, Sprint built upon previous momentum in improving the customer experience, recording its 12th consecutive quarter of improved customer satisfaction and first-call resolution by year-end. During this time, retention of existing customers has improved at a rate faster than that of our competitors, while our overall cost of Customer Care operations decreased as billing adjustments and churn were significantly reduced.



- ❑ **feature Sprint.com** that provides notifications and alerts about customers' activity on their usage, billing, payment options, devices
- ❑ **family-focused microsite** on Sprint.com making it easier for parents to manage their children's wireless usage
- ❑ **Sprint Family Locator** will locate up to four phones, enable a parent to use a phone or PC to locate a child's device on a map.
- ❑ Sprint added new **customer-friendly capabilities to its online social-networking community** of more than 50,000 registered contributors

- ❑ **Sprint Free Guarantee:** If a new customer or an existing customer adds a line of service and is not completely satisfied, they are able to deactivate and return the device within 30 days.
- ❑ **Total Equipment Protection (TEP)** by offering a month-long open-enrollment period to any customer who did not enroll at the time of purchase.
- ❑ **Sprint Premier**, an exclusive loyalty program

2010 Results

1. **Customer satisfaction**, first-call solution and calls per subscriber all improved by more than 33%
2. The cost of **Customer Care** operations was reduced by more than 33%
3. Billing adjustments were reduced by 75%
4. Sprint customers' churn rate was reduced to less than 2%

Sprint customer churn has steadily improved since the first quarter of 2008.

