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# Service Delivery and Consumer Cloud (Germany) A Connected Life Market Watch Perspective

**Cisco Internet Business Solutions Group** 

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### Agenda

- Methodology
- Respondent Profiles and Demographics
- Key Findings (Germany)
- Topics
  - 1. Technology Usage
  - 2. Buying Behavior
  - 3. Pricing
  - 4. Service Provider Wi-Fi
  - 5. Consumer Cloud and Connected Life
  - 6. How To Expand Customer Potential

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### **Connected Life Market Watch** Service Delivery and Consumer Cloud (Germany)

### Approach

### Connected Life Market Watch (CLMW) Program

- Cisco IBSG's recurring primary research program
- Monitors changing consumer behavior to identify key market transitions
- Topics include mobile (2009), video (2008, 2010)
- 2011 focus: Service Delivery & Cloud Experiences

### Methodology

- Broadband consumers
- 20-minute online survey, representative sample (500-1,000 respondents/country)
- Multiple segmentations (demographic, tech affinity)
- Germany field work: November 2011

#### Source: Cisco IBSG Connected Life Market Watch, 2011

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Canada France Germany Italy United Kingdom

**United States** 

Scope: 2011

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### Survey Respondents Compared to Average German Population

### **Respondents Have Higher Income & Higher Level of Employment**



Sources: Cisco IBSG Connected Life Market Watch, 2011



#### Broadband Respondents vs. German Average

Base: German broadband consumers

### **Respondents Represent a Variety of Living Situations**

### Include Couples, Roommates, Families

- Single-person households make up 27% of respondents
- 35% of respondents live in multigenerational households
- 47% are in a married / couple situation



Source: Cisco IBSG Connected Life Market Watch, 2011

### **Respondents by Employment Status**

### Include Working, Nonworking, and Student Populations

- 65% of respondents are currently employed
- Only 4% are currently unemployed



Source: Cisco IBSG Connected Life Market Watch, 2011



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### **Key Findings: Germany**

Topics	Emerging Findings
Technology Use	<ul> <li>Consumers increasingly embrace Connected Life services</li> <li>Mobile video use rising; mobile data use mostly in fixed locations</li> <li>Smartphones have hit the mass market</li> </ul>
Buying Behavior	<ul> <li>Cost and reliability are strongest drivers of consumer SP preference</li> <li>Broadband connection is the "anchor service"</li> <li>SP have a clear lead in most important decision criteria</li> </ul>
Pricing	<ul> <li>Consumers do not want to move away from flat rates</li> <li>There is no single strategy to mitigate resistance to tiered pricing</li> </ul>
SP Wi-Fi	<ul> <li>High acceptance of Wi-Fi for wireless web browsing</li> <li>Users wait for Wi-Fi coverage for heavy data use</li> <li>Users ready to accept compromises on quality and immediacy</li> </ul>
Consumer Cloud & Connected Life	<ul> <li>"Hassle-free" features are most popular</li> <li>Experience <i>bundles</i> drive purchasing</li> </ul>
Expanding Customer Potential	<ul> <li>SPs should target "In Play" consumers</li> <li>"In Play" segment's priority buying factors favor the SP channel</li> </ul>

Source: Cisco IBSG Connected Life Market Watch, 2011



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### Technology Use: Key Takeaways

- Traditional landline is still the anchor telecommunications service
- Broadband consumers widely use portable devices: mobile phones are now standard and smartphones have hit the mass market
- Most mobile Internet and mobile video activity takes place in fixed locations, and they have different trends
- Mobile video users are no longer just early adopters; however, mobile video is still a "snacking" experience
- VoIP solutions, mobile replacement, and TV-over-Internet challenge landlines and pay TV, while mobile data suffers from expensive tariff plans

### **Traditional Landline Is Still the Anchor Telecommunications Service**



- Mobile data services increasingly relevant
- 57% of BB subscribers have wireline phone, vs.
   German average of 76%
- Online valueadded services show limited adoption

Source: Cisco IBSG Connected Life Market Watch, 2011

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### **Broadband Consumers Widely Use Portable Devices**

- Average broadband consumer owns 2.4 electronic portable devices
- Average early adopter owns
   3.3 electronic portable devices



Source: Cisco IBSG Connected Life Market Watch, 2011

# Sample of 503 BB Consumers Represents All Technology Segments

# Early Adopters Are Younger, More Likely To Be Male, Currently Employed, and Have Higher Income than Other Respondents



#### Source: Cisco IBSG Connected Life Market Watch, 2011

# Service Adoption by Segment Provides Insight into Lifecycle Stage

100% 80% 60% 40% 20% 0% DVR Traditional Mobile phone DTT / satellite Home monitoring home phone 60% 50% 40% 30% 20% 10% 0% Mobile data Online video Online photo Mail-based or Mobile data service service online movie card Early Adopter Early Majority Late Majority Laggard Source: Cisco IBSG Connected Life Market Watch, 2011

Household Monthly Subscriptions Percentage of Respondents

- Traditional home phone shows lower penetration among tech-savvy, indicating it is in decline
- Mobile data services have similar overall adoption rates
- Online services are still in early-adopter phase, at beginning of product lifecycle

# **Smartphones Soon To Become the Standard Mobile Phone**



 Smartphones have moved beyond early adopters and early majority; they are starting to penetrate the late-majority and laggard segments

#### Source: Cisco IBSG Connected Life Market Watch, 2011

# Most Mobile Internet & Mobile Video Activity Takes Place in Fixed Locations



- About 80% of mobile video and mobile Internet use (via mobile device) is not mobile
- Hypothesis: Technological advances such as seamless Wi-Fi, LTE, and small-cell solutions will further increase the use of mobile data services across locations

#### Source: Cisco IBSG Connected Life Market Watch, 2011

# Mobile Internet & Mobile Video Have Different Trends at Home



Mobile data usage (Internet and/or video):

- Decrease in mobile Internet usage at home
- Increase in mobile video usage at home vs. decrease in on-the-go mobile video usage

Source: Cisco IBSG Connected Life Market Watch, 2011

#### Base: Respondents engaged in activity

# **Consumers Show Significant Increase** in Connected Life Activities



### Not All Consumers Have a Diligent Practice for Data Protection



Source: Cisco IBSG Connected	Life Market Watch, 2011	Base: German broadban	d consumers
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# Mobile Video Users Are Not Just Early Adopters: Usage Is Growing



#### Source: Cisco IBSG Connected Life Market Watch, 2011

# Only 8% of Respondents Watch More than 1 Hour of Mobile Video per Week



- On average, users spend 17 minutes per week watching videos on mobile phone
- But 63% of BB consumers never use the mobile phone to watch videos

Source: Cisco IBSG Connected	Life Market Watch, 2011	Base: German mobile	video users

# **Consumer Spending Priorities: Broadband Is Most Critical**

- Broadband and wireline phone are top priorities for broadband consumers in Germany
- Mobile data suffers from expensive tariff plans and is expendable

#### **Consumer Spending Priorities**



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Which services would you cut first if you had to reduce expenses?

#### Source: Cisco IBSG Connected Life Market Watch, 2011

# **Broadband Has Increased and Landline Phone Has Decreased in Importance**

#### **Consumer Spending Priorities over Time**



Which services would you cut first if you had to reduce expenses?



- Broadband has increased in importance; landline phone has significantly decreased
- Mobile data and pay TV remain less important

Source: Cisco IBSG Connected	Base: German broadband	consumers	
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# 2 Consumer Buying Behavior Factors Driving Where To Buy

### **Buying Behavior: Key Takeaways**

- Cost and reliability are the most important factors in where to buy
- Ongoing cost concerns far outweigh concerns about up-front cost
- SPs are consumers' preferred provider for Internet-to-TV solutions
- Channel preference does not strongly influence buying decisions
- Purchase criteria varies somewhat by employment status and age group
- Early adopters have slightly different purchase criteria

# Cost and Reliability Are the Most Important Factors in *Where To Buy*

### Consumer Purchase Behavior: Factors that Drive Consumer Decision About Where To Buy



#### Source: Cisco IBSG Connected Life Market Watch, 2011

## Ongoing Cost Concerns Far Outweigh Worries About Up-Front Cost

- When pricing factors are isolated, concern about monthly cost far exceeds worries about upfront cost in all services
- For television and mobile services, contract concerns are very important



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#### Source: Cisco IBSG Connected Life Market Watch, 2011

# SPs Are Consumers' Preferred Provider for Internet-to-TV Solutions

For 8 different factors in the purchase process—from up-front cost to ease of use—consumers were asked which channel option best met their needs:

- Strong SP: These consumers believe SP provides a better experience in ALL factors
- Strong Retail / Online: These consumers believe retail / online provides a better experience in ALL factors
- In Play: These consumers' channel preference shifts from factor to factor; SP prevails in 3 areas, Retail in 2, and the remaining areas are quite balanced
- Indifferent: These consumers selected "don't know" for all 8 factors, likely due to lack of interest in Internet-to-TV solutions





# **SPs Have Clear Lead in Most Important Decision Criteria**

#### **Consumer Channel Preference:** Individual Factors in Order of Importance



- Ongoing cost is the most important decision criterion for most consumers
- SPs also have commanding lead in troubleshooting, ease of setup, reliability

#### Source: Cisco IBSG Connected Life Market Watch, 2011

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# **Employment Status Has Little Impact on Buying Criteria**

#### Factors that Drive Decision of *Where to Buy,* by Employment Status

Average		Employed		Student		Retired	
#1	Ongoing Cost (52%)	#1	Ongoing Cost (52%)	#1	Ongoing Cost (53%)	#1	Ongoing Cost (48%)
#2	Reliability (33%)	#2	Up-front Cost (32%)	#2	Reliability (42%)	#2	Reliability (43%)
#3	Up-front Cost (31%)	#3	Reliability (31%)	#3	Up-front Cost (31%)	#3	Ease of Setup (32%)
#4	Ease of Setup (22%)	#4	Ease of Setup (21%)	#4	Ease of Use (20%)	#4	Up-front Cost (21%)
#5	Ease of Use (19%)	#5	Ease of Use (19%)	#5	Features (19%)	#5	Ease of Use (17%)
#6	Ease of Selection (16%)	#6	Ease of Selection (17%)	#6	Ease of Selection 15%)	#5	Ease of Selection (15%)
#7	Features (15%)	#7	Features (16%)	#7	Troubleshooting (12%)	#7	Troubleshooting (14%)
#8	Troubleshooting (12%)	#8	Troubleshooting (12%)	#7	Ease of Setup (12%)	#8	Features (10%)

Percentage of people who ranked each attribute as most important or second-most-important.

- Cost and reliability dominate decisions, independent of employment status
- Troubleshooting and features might offer a strong opportunity for improvement, through either better communication or new offerings

Source: Cisco IBSG Connected Life Market Watch, 2011

# Purchase Decision Factors Do Not Vary Much by Age Group

### Factors that Drive Decision of Where to Buy, by Age Group

Average		Age 30-39		Age 40-59		Age 60+	
#1	Ongoing Cost (52%)	#1	Ongoing Cost (50%)	#1	Ongoing Cost (50%)	#1	Ongoing Cost (53%)
#2	Reliability (33%)	#2	Reliability (34%)	#2	Up-front Cost (32%)	#2	Reliability (36%)
#3	Up-front Cost (31%)	#3	Up-front Cost (29%)	#3	Reliability (27%)	#3	Ease of Setup (29%)
#4	Ease of Setup (22%)	#4	Ease of Use (24%)	#4	Ease of Setup (23%)	#4	Ease of Use (22%)
#5	Ease of Use (19%)	#5	Ease of Setup (21%)	#5	Ease of Selection (19%)	#5	Up-front Cost (21%)
#6	Ease of Selection (16%)	#6	Ease of Selection (19%)	#6	Ease of Use (18%)	#5	Ease of Selection (21%)
#7	Features (15%)	#7	Troubleshooting (15%)	#6	Features (18%)	#7	Troubleshooting (12%)
#8	Troubleshooting (12%)	#8	Features (9%)	#8	Troubleshooting (12%)	#8	Features (6%)

Percentage of people who ranked each attribute as most important or second-most-important.

- For people 60 and older, ease of setup and ease of use are greater concerns than up-front cost
- Cost and reliability are the most relevant factors for all age groups

Source: Cisco IBSG Connected Life Market Watch, 2011

## Early Adopters Have Slightly Different Purchase Criteria

#### Factors that Drive Decision of Where to Buy for Early Adopters

	Average		Early Adopter
#1	Ongoing Cost (52%)	#1	Ongoing Cost (42%)
#2	Reliability (33%)	#2	Reliability (35%)
#3	Up-front Cost (31%)	#3	Up-front Cost (31%)
#4	Ease of Setup (22%)	#4	Ease of Selection (19%)
#5	Ease of Use (19%)	#5	Features (19%)
#6	Ease of Selection (16%)	#5	Ease of Setup (19%)
#7	Features (15%)	#7	Ease of Use (18%)
#8	Troubleshooting (12%)	#8	Troubleshooting (17%)

Percentage of people who ranked each attribute as most important or second-most-important.

- Early adopters are more concerned with features and reliability
- Purchase criteria for the other technology segments

   early majority, late majority, and laggards closely follow those of the average consumer

#### Source: Cisco IBSG Connected Life Market Watch, 2011

# Channel Preference Does Not Strongly Influence Buying Decisions

#### Factors that Drive Decision of *Where to Buy* by Channel Preference

	Total	<b>SP</b> Believe SP provides a better experience	<b>Retail</b> Believe retail provides a better experience	In Play Shifts channel preference from factor to factor	Indifferent Lack of interest
#1	Ongoing Cost (52%)	Ongoing Cost (50%)	Ongoing Cost (49%)	Ongoing Cost (49%)	Ongoing Cost (61%)
#2	Reliability (33%)	Reliability (33%)	Up-front Cost (34%)	Reliability (35%)	Up-front Cost (28%)
#3	Up-front Cost (31%)	Up-front Cost (31%)	Reliability (34%)	Up-front Cost (29%)	Reliability (28%)
#4	Ease of Setup (22%)	Ease of Setup (24%)	Ease of Selection (24%)	Ease of Setup (22%)	Ease of Use (22%)
#5	Ease of Use (19%)	Ease of Use (22%)	Ease of Setup (22%)	Ease of Use (19%)	Ease of Setup (21%)
#6	Ease of Selection (16%)	Features (16%)	Features (16%)	Features (18%)	Ease of Selection (15%)
#7	Features (15%)	Ease of Selection (13%)	Troubleshooting (12%)	Ease of Selection (17%)	Troubleshooting (12%)
#8	Troubleshooting (12%)	Troubleshooting (11%)	Ease of Use (11%)	Troubleshooting (13%)	Features (10%)

#### Attributes rated as most important or second-most-important.

#### Source: Cisco IBSG Connected Life Market Watch, 2011



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### **Pricing: Key Takeaways**

- Consumers are most comfortable with flat rates
- Consumers feel it is unfair to pay for broadband services based on use
- Only early adopters are more likely to view both wireline and mobile usage-based billing as fair

### **Consumers Feel It Is Unfair To Pay for Broadband Services Based on Use**

- Flat pricing turns out to be a typical comfort zone for consumers even more for fixed than mobile usage
- SPs have adopted tiered mobile broadband pricing for years



Source: Cisco IBSG Connected Life Market Watch, 2011

Base: German broadband consumers

# Early Adopters Are More Likely To View Wireline Usage-Based Billing as Fair

### Perceived Fairness of Wireline Usage-Based Billing, by Customer Segment



 Early adopters and connected TV or Internet video device (IVD) owners are more likely to consider usage-based billing fair

Source: Cisco IBSG Connected Life Market Watch, 2011

 Younger consumers are less likely to consider usage-based billing fair

Base: Respondents believing usage-based billing is fair

# Early Adopters Are More Likely To View Mobile Usage-Based Billing as Fair

Perceived Fairness of Mobile Usage-based Billing, by Customer Segment



 Early adopters and smartphone users are more likely to consider mobile usage-based billing fair

Source: Cisco IBSG Connected Life Market Watch, 2011

 Consumers aged 30-59 are more likely to consider mobile usage-based billing fair

Base: Respondents believing usage-based billing is fair

## SP Strategies To Drive Tiered Pricing Are Underwhelming

### **Consumers Hate the Move Away from Flat Rates**

### How Would the Following Services Impact Your Perception of Tiered Pricing?





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# Service Provider Wi-Fi: Key Takeaways

- Mobile users are more *nomadic* than truly mobile in the ways they access mobile data and Internet video
- Most mobile Internet and mobile video activity takes place in fixed locations, but we notice different trends at home
- Mobile video is still a "snacking" experience
- Wi-Fi is becoming pervasive among smartphone users; they would like to take better advantage of Wi-Fi for coverage and cheaper service
- Users are willing to compromise on mobile network benefits in favor of lower cost and higher performance of Wi-Fi
- Usage of Wi-Fi instead of cellular network is more common for heavy data usage

# Mobile Data Access Is More Nomadic than Truly Mobile



- 43% of broadband consumers do NOT access mobile data via mobile phone
- Hypothesis: Technological advancements such as seamless Wi-Fi, LTE, and small cells will further increase the use of mobile data services across locations

Source: Cisco IBSG Connected Life Market Watch, 2011 Base: German respondents who access mobile data (n=226)

# Nomadic Attitude About Mobile Internet Varies by Technology Segment . . .



# Consider: 12% of Early Adopters, 32% of Early Majority, 59% of Late Majority, and 75% of Laggards do not access mobile Internet via mobile phones

Source: Cisco IBSG Connected Life Market Watch, 2011 Base: German respondents who access mobile data (n=226)

### ... And by Age and Device Adoption



mobile Internet via mobile phones

Source: Cisco IBSG Connected Life Market Watch, 2011 Base: German respondents who access mobile data (n=226)

### About Half of Broadband Consumers Access Mobile Video at Home



 The nomadic attitude is even clearer among German broadband consumers accessing mobile video services

Source: Cisco IBSG Connected Life Market Watch, 2011

#### Base: German respondents who use the service (n=226)

# Nomadic Attitude about Mobile Video Varies by Technology Segment . . .



#### Source: Cisco IBSG Connected Life Market Watch, 2011

#### Base: German respondents who use the service (n=180)

# . . .And also Varies by Age and Device Adoption



#### Source: Cisco IBSG Connected Life Market Watch, 2011

#### Base: German respondents who use the service (n=180)

### High Acceptance of Wi-Fi for Wireless Web Browsing



Source: Cisco IBSG Connected Life Market Watch, 2011

- Wi-Fi has become pervasive among smartphone users, who want to take better advantage of Wi-Fi for coverage and cheaper service
- We see market opportunities for mobile operators who can develop subscriber-friendly services that drive mobile data offload
- Use of Wi-Fi:
  - Can increase loyalty by addressing inbuilding coverage and increasing data offload
  - Can improve application performance (particularly video)
  - Can eliminate expensive international roaming fees

Base: German respondents using smartphones (n=226)

## Easier GUI / Solutions Extend Heavy Smartphone Wi-Fi Use to Late Majority



## Users Willing To Compromise on Mobile Benefits for Lower Wi-Fi Cost



#### Source: Cisco IBSG Connected Life Market Watch, 2011

Base: German respondents using smartphones (n=226)

### Smartphone Users Wait for Wi-Fi Availability To Access Internet



- Heavy data users will likely start limiting their use of expensive 3G data packages with tiered pricing models in favor of Wi-Fi networks providing unlimited access
- Smartphone users plan their access to data-heavy, media-rich programs via Wi-Fi

Source: Cisco IBSG Connected Life Market Watch, 2011

Base: German respondents using smartphones (n=226)

# Easier GUI Boosts the **Wi-Fi Waiting Phenomenon**



Smartphone interfaces have become easier to navigate for non-tech-savvy users, making the process of locating and logging on to Wi-Fi much simpler; this is boosting willingness to wait for Wi-Fi coverage

Source: Cisco IBSG Connected Life Market Watch, 2011		Base: German respondents using smartphones (n=226)		
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# SPs Are Consumers' Preferred Provider for Internet-to-TV Solution

For 8 different factors in the purchase process—from up-front cost to ease of use—consumers were asked which channel option best met their needs:

- Strong SP: These consumers believe SP provides a better experience in 6 or more factors
- Strong Retail / Online: These consumers believe retail / online provides a better experience in 6 or more factors
- In Play: These consumers' channel preference shifted significantly from factor to factor
- Indifferent: These consumers selected "don't know" for all 8 factors, likely due to lack of interest in Internet-to-TV solutions





#### Base: German broadband consumers

## "In Play" Consumers Show Stronger Orientation To Wait for Wi-Fi Coverage



# The "In Play" segment represents 29% of the market who are open to considering both SP and retail / online solutions

Source: Cisco IBSG Connected Life Market Watch, 2011

Base: German respondents using smartphones (n=226)

## Planning Mobile Data Activities Is Even More Common for "In Play" Segment



- Planning to use Wi-Fi instead of a cellular network is more common for heavy data users on their smartphones (for example, downloading a video file)
- "In Play" consumers show higher tendency to do so

#### Source: Cisco IBSG Connected Life Market Watch, 2011

Base: German respondents using mobile data (n=226)

### "Wi-Fi Waiters" Are More Likely To View Tiered Pricing as Fair



### Source: Cisco IBSG Connected Life Market Watch, 2011 Base: German respondents waiting for Wi-Fi (n=111)



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# Consumer Cloud and Connected Life: Key Takeaways

- Cloud services offer consumers an enhanced Connected Life experience
- Cloud-enabled enhancements are spread uniformly across consumer needs; however, some cloud experiences have stronger impact than others
- Cloud enhancements do not have broad appeal with German consumers; more German consumers (5% to 6%) expect "immediate access" and "single payment" than other cloud enhancements, and will react negatively if they are not present
- Cloud enhancements impact Connected Life buying behavior: consumers are more likely to buy when cloud enhancements are included

### **Cloud Offers Consumers an Enhanced Connected Life Experience**

### Cloud-Enabled Enhancements Can Be Applied Horizontally Across Connected Life Services

Connected Life	Cloud Enhancements	Answer Consumer Needs
	<ul> <li>Unified data management</li> <li>Automatic backup</li> <li>Automatic data sync</li> </ul>	Make my data management easy
	<ul> <li>Any device / location</li> <li>Immediate access</li> <li>Seamless switching</li> </ul>	Let me access and move my stuff easily across my devices, from anywhere
DISARMED - Press to Arm	<ul> <li>One-time payment</li> <li>Single-menu access</li> <li>Intelligent personalization</li> </ul>	Let me choose what I want across all services, but pay only once
	<ul> <li>Add new capabilities automatically</li> <li>Remote monitor / automatic fix</li> </ul>	Make it easy for me to get Connected Life services
	<ul> <li>Advanced sharing</li> <li>See peer recommendations</li> <li>Companion device</li> </ul>	Help me match my online social behavior to my real- life social behavior

#### Source: Cisco IBSG Connected Life Market Watch, 2011

## Cloud Impact on Consumers' Buying Behavior Using Kano Methodology

### How Each Cloud Enhancement Influences Consumers' Assessment of a Connected Life Service

Consumer Attitude	Critical	Differentiating Mandatory		Neutral	Negative
Toward a Particular Cloud Enhancement	Consumers are happy when it's present and dissatisfied when it's not	Consumers don't expect it to be included, but thrilled when it is	Consumers expect it to be there. Not thrilled when it is, but very displeased when it is not.	Consumers are indifferent to its presence	Consumers are displeased when this enhancement is present
Enhancement included with your service?	Positive	Positive	Neutral	Neutral	Negative
Enhancement NOT included with your service?	Negative	Neutral	Negative	Neutral	Neutral

#### Sources: ASQ, 2005; Cisco IBSG, 2012

# Fewer React Positively than Negatively to Cloud Enhancements



Kano methodology shows how each enhancement influences consumers' assessment of the Connected Life service:

- 10% react positively
  - Differentiating: 7% are surprised and delighted when cloud enhancements are present
  - Critical: 1% react very positively when the attribute is present and react negatively when it's not
  - Mandatory: 2% already expect cloud enhancements as an integral part of the experience
- 12% react negatively
  - Happier when enhancement is not present

#### Base: German broadband consumers

# Very Few Consumers Already Expect Cloud Enhancements with Their Service

### More Enhancements Are Differentiating than Mandatory or Critical



#### Percentage of Respondents

- More consumers (5% to 6%) expect "immediate access" and "single payment" than other cloud enhancements
  - These consumers will react negatively to a Connected Life service if these cloud enhancements are not present
- More consumers (10% to 15%) will be surprised and delighted by "remote monitoring" and the ability to "automatically add services"

Base: German broadband consumers

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# Cloud Enhancements Have Some Appeal with Consumers

# On Average, 37% of Broadband Consumers Expressed Interest in Individual Cloud Enhancements



- Cloud-based, "hassle-free" features further enhance the experience
- For 7 of 14 cloud enhancements, more than 35% of German broadband consumers expressed strong interest

#### Source: Cisco IBSG Connected Life Market Watch, 2011

#### Base: German broadband consumers

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# **Cloud Experience Is Mostly Undifferentiated**

### **Consumer Interest in Cloud Service Enhancement**

Percentage of Respondents More Likely To Buy Connected Life Service with Each Enhancement



# Cloud Enhancements Impact Buying Decisions Both Positively & Negatively

### Average Impact of Cloud Enhancement on Likelihood of Consumer Purchase

Percentage of Respondents

13%	14%	32%	24%	12%	15%
Much more likely	More likely	Somewhat more likely	Somewhat less likely	Less likely	Much less likely

- On average, 52% of respondents have increased likelihood of buying Connected Life service if it has a single cloud enhancement
- 27% are "less likely" or "much less likely" to buy a cloud-enhanced service

### German Consumers Are Wary of Cloud Enhancements



- 13% to 27% of respondents are more or much more likely to buy when the cloud enhancement is present
- This is counterbalanced by 23% to 35% who are less or much less likely to buy when the cloud enhancement is present

#### Source: Cisco IBSG Connected Life Market Watch, 2011

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# 46% of Consumers React Positively to at Least One Cloud Experience

### **Majority Is Looking for Few or No Enhancements**





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## How To Expand Customer Potential: Key Takeaways

- To expand customer potential, SPs in Germany should target "In Play" consumers
- "In Play" segment's priority buying factors favor SP channel
- "In Play" segment: young, tech-savvy, with significant / some cloud interest

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## "In Play" Consumers Represent Best Segment To Target

To increase SPs' customer potential, "In Play" consumers represent best segment to target:

- 19% of consumers are highly indifferent and will be difficult to draw into any Internet / TV purchase
- Another 20% show a strong preference for retail / online experience and may be difficult to attract
- However, a sizable 29% of the market shows openness to considering both SP and retail / online solutions



Source: Cisco IBSG Connected Life Market Watch, 2011

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# For "In Play" Segment, *Features* and *Troubleshooting* Rise in Importance

### Top Factors—Cost & Reliability—Are Similar to Other Consumer Segments



#### Source: Cisco IBSG Connected Life Market Watch, 2011

#### Base: German broadband consumers

### "In Play" Segment's Priority Buying Factors Favor the SP Channel

#### **Channel Preference of "In Play" Consumers** Based on Individual Factors in Consumers' End-to-End Experience



- SP and Retail channels demonstrate similar strength on cost factors
- SPs have strong lead in Reliability, Ease of Setup, and Troubleshooting
- Retail can take advantage of lead in Ease of Selection, Ongoing Cost, and Up-front Cost

Red: Criteria ranked higher than for average consumer

#### Source: Cisco IBSG Connected Life Market Watch, 2011

### How To Capture the 29% of "In Play" Consumers Who Are Up for Grabs

#### "In-Play" Channel Preference Segment: Device / Service Decision Factors, by Importance

#### Percentage of Respondents Who Ranked 1<sup>st</sup> or 2<sup>nd</sup> Most Important



To win over the "In Play" segment (29% of German broadband consumers), service providers need to:

- Attend to the key basics of cost
- Maintain leadership in reliability

#### Source: Cisco IBSG Connected Life Market Watch, 2011

#### Base: "In Play" German broadband consumers

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# SP Segment: Older, Technology-Aligned, Attracted to Cloud

### SP Segment: 32% of Respondents Who Show Strong Preference for SPs

The SP segment:

- Is older
- Aligned with average in technology adoption



#### Source: Cisco IBSG Connected Life Market Watch, 2011

Base: German consumers with strong SP preference

## Retail Segment: Slightly More Mature, Little Cloud, Overall Tech Alignment

### Retail Segment: 20% Respondents Who Show Strong Preference for Retail

The Retail segment:

- Is slightly over-indexed among respondents in their late 20s, 30s, and 40s
- Has strong Tech Sophistication alignment



#### Source: Cisco IBSG Connected Life Market Watch, 2011

Base: German consumers with strong retail preference

# "In Play" Segment: Young, Tech-Savvy, with Little Cloud Interest

### "In Play" Segment: 29% of Respondents Who Show No Strong Channel Preference

### The "In Play" segment:

- Is younger
- Has greatest proportion of early adopters
- Is over-indexed on DVR, online video service, Internet video device, mobile data card, and connected TV



#### Source: Cisco IBSG Connected Life Market Watch, 2011

#### Base: German consumers with strong retail preference

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