SICS

# **BICS Advanced Analytics** M2M, IoT and permanent roaming detection

The roaming landscape

50

Magna

75

83.7

# M2M roaming: a significant monetization opportunity for MNOs

The total number of cellular M2M connections is set to reach 1.3 billion by 2022 (Juniper Research)

### MNOs losing out due to lack of transparency, suitable charging models and actionable insights about devices roaming on their networks

IoT services will create a \$900 billion market by 2025 (GSMA)

# Without the right techniques, it is virtually impossible to determine whether a connection is a machine or human

Up to 60% of roaming connections cannot be classified without machine learning techniques (BICS)

### **Benefits**



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INFOGRAPHIC

#### **Limited visibility**

Operators are unable to differentiate between M2M and human roaming connections



### Current roaming models not suitable

M2M roaming usage and connectivity patterns are unique and wholesale billing models must be adapted for the business to grow



# No accurate value and monetization

Without transparency, it is impossible to understand the value potential, identify M2M use cases and develop the right business models



# Tailoring Quality of Service

Operators need to create the right level of value for each M2M use case by taking a differentiated approach to QoS, charging models, network priority and more

# **Benefits**



# Accurately identify and segment inbound

M2M permanent roaming devices



### **Optimize the network**

for consistent Quality of Experience

# **BICS Advanced Analytics**

Identify M2M roaming devices with 98% accuracy



#### Classify

roamers as human or machine based on unique insights from SS7, Diameter, and GTP signaling



### Unique capability

not dependent on IMEI information or DCH integration



### **Increase profitability**

by better monetizing inbound roaming M2M traffic



#### **Receive alerts**

for suspicious or unusual activity



#### Unlock

real-time, actionable data across 2G, 3G, 4G



# Uncover

behavioral trends, device usage, bottom line impact, and more

Contact us to find out more. www.bics.com