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Sponsored Roaming Monitoring

Robert Krastman 16th of October 2026

VodafoneZiggo Netherlands
Happy customer since 2004

Installed product	Version
HCLTech Fraud Risk Management	24.0.0.0

C2 General

14x

Capetown - South Africa 2005

Phuket – Thailand 2007

Hamburg – Germany 2009

Istanbul – Turkey 2010

Antalya – Turkey 2012

Taormina – Italy 2015

Chalkidiki – Greece 2016

Cascais – Portugal 2017

Sophia-Antipolis – France 2018

Stresa – Italy 2019

Alicante – Spain 2022

Sitges – Spain 2023

Budapest – Hungary 2025

Milan – Italy 2026




hp
invent
10th Annual HP ERM Worldwide
Phuket, Thailand
12th-15th November 2007
Track 1



C2 General



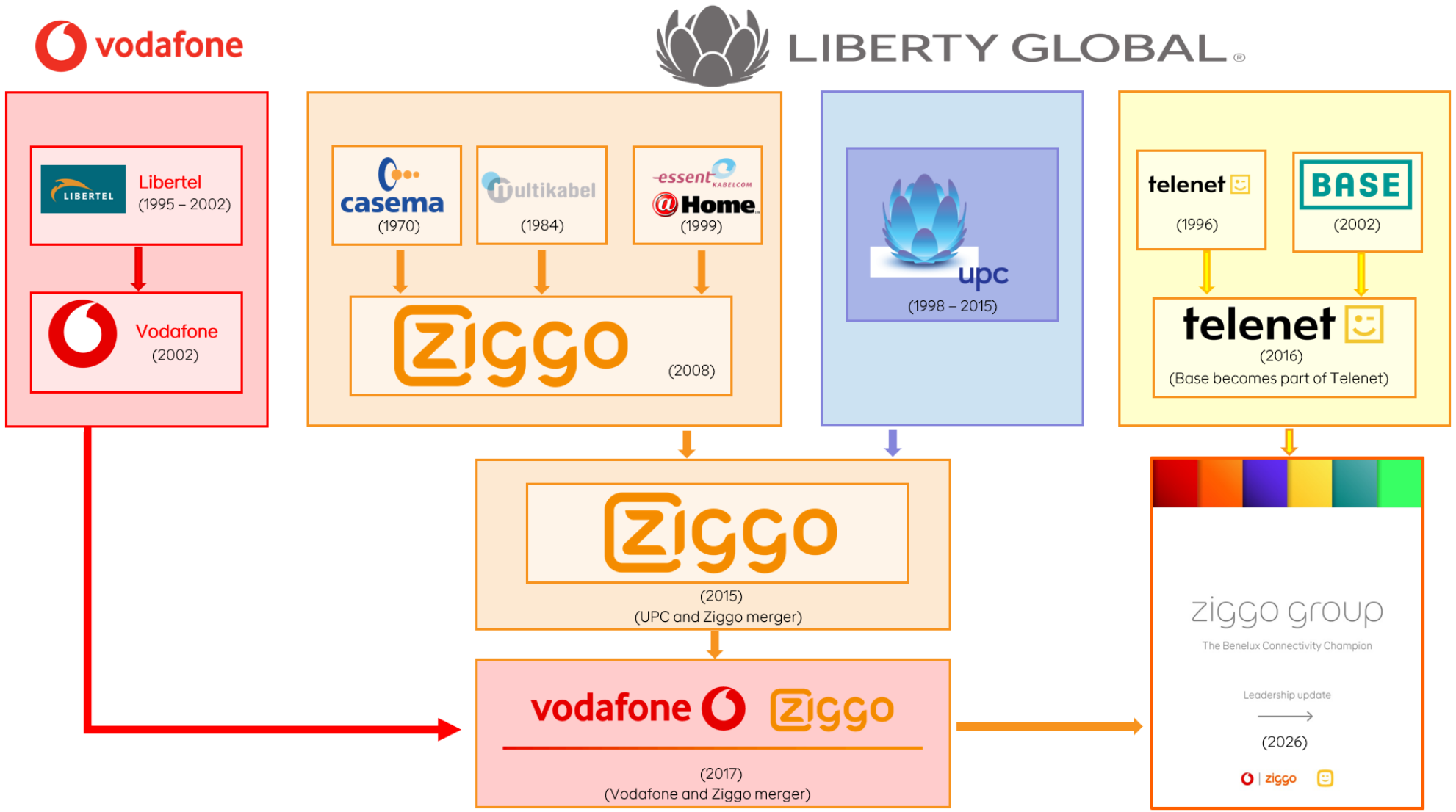

AUDIOSYSTEM
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Viladrau

Ziggo group history (DRAFT)



Organization - FMS

Corporate Affairs

Corporate Security

Functional owner FMS Fraud Management

Customer Services

Credit Risk

Fraud monitoring High Usage monitoring

Finance

Wholesale

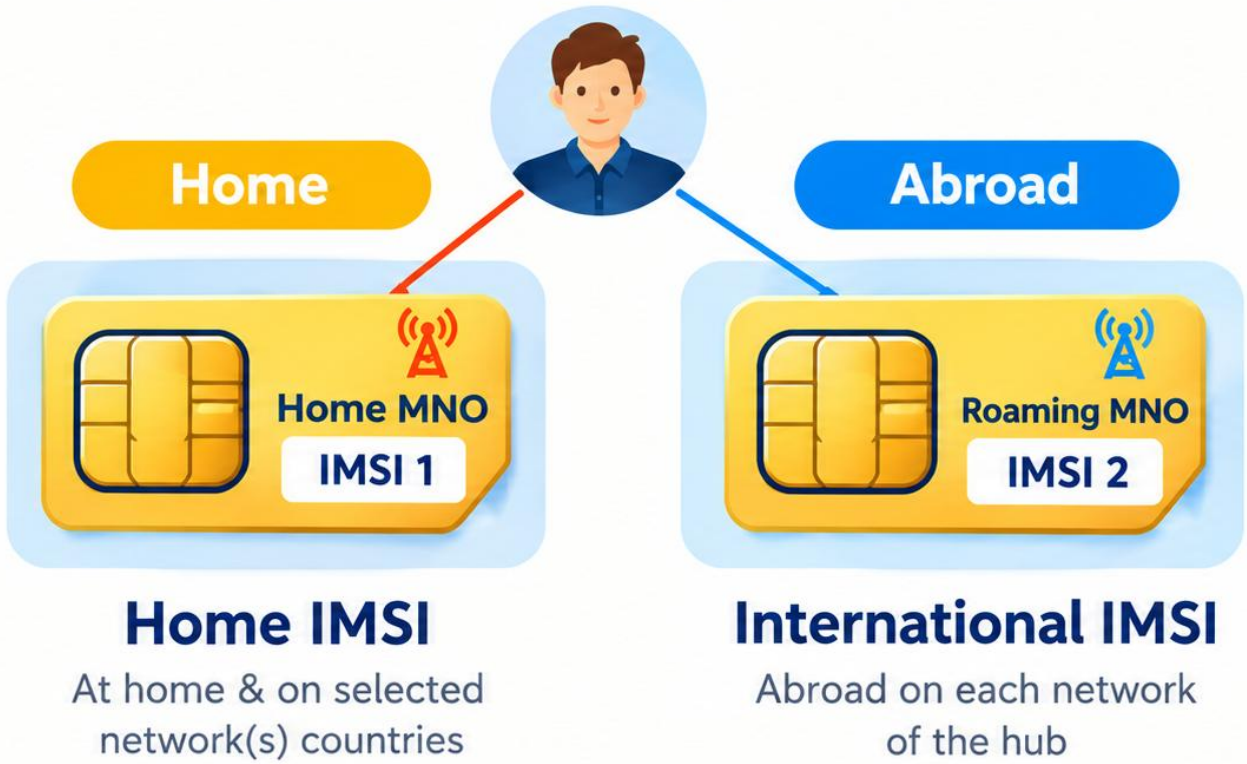
Wholesale Roaming

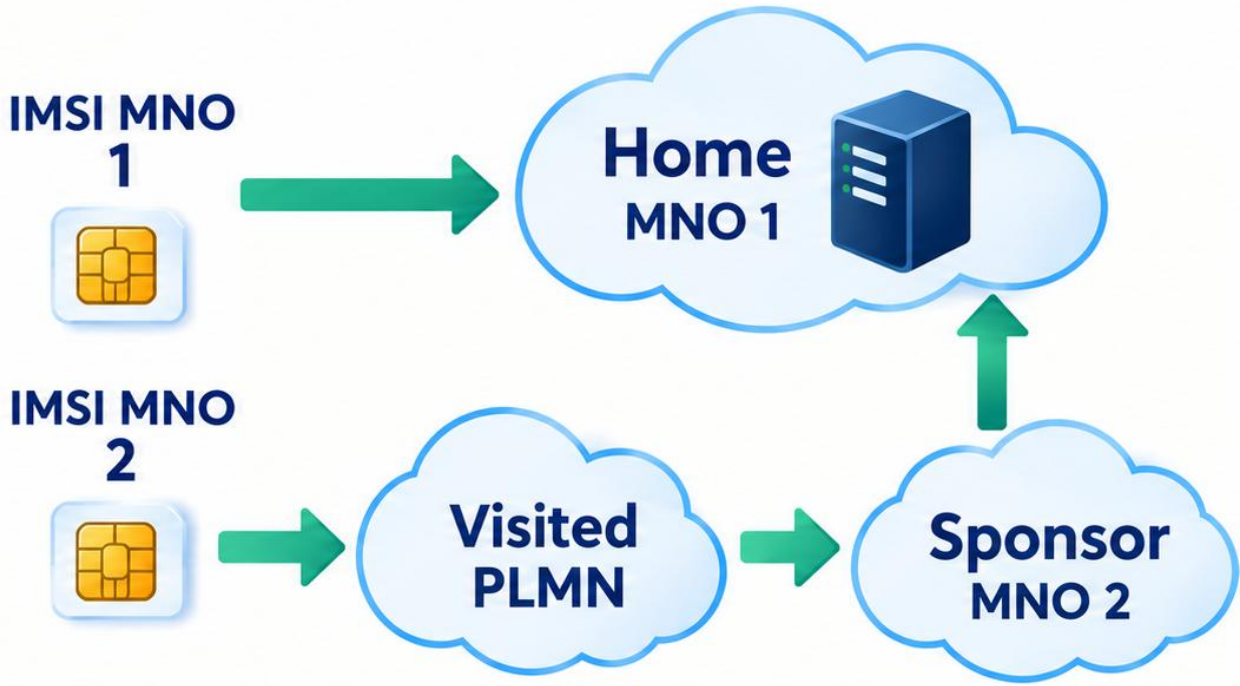
Sponsored Roaming Monitoring

C2 General

Sponsored Roaming

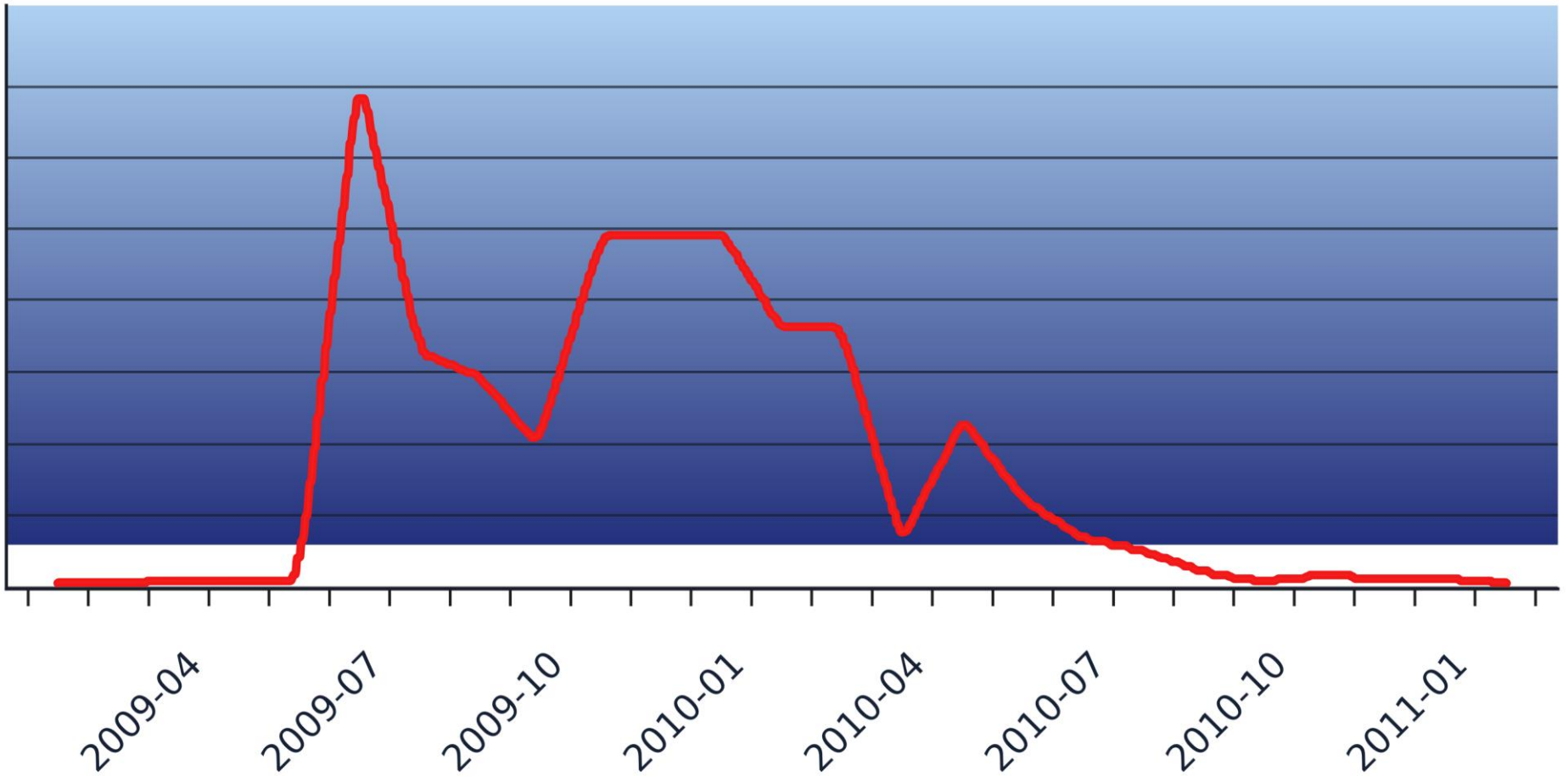
(a.k.a. Interstandard Roaming)



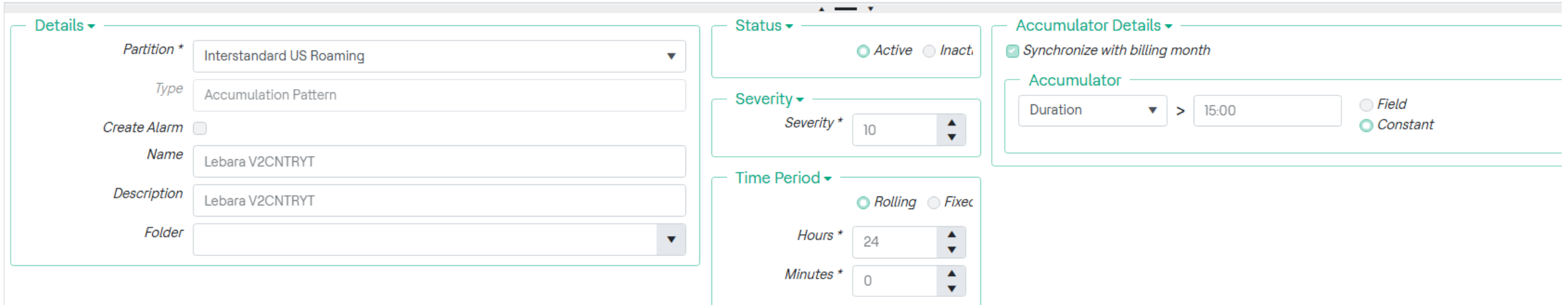


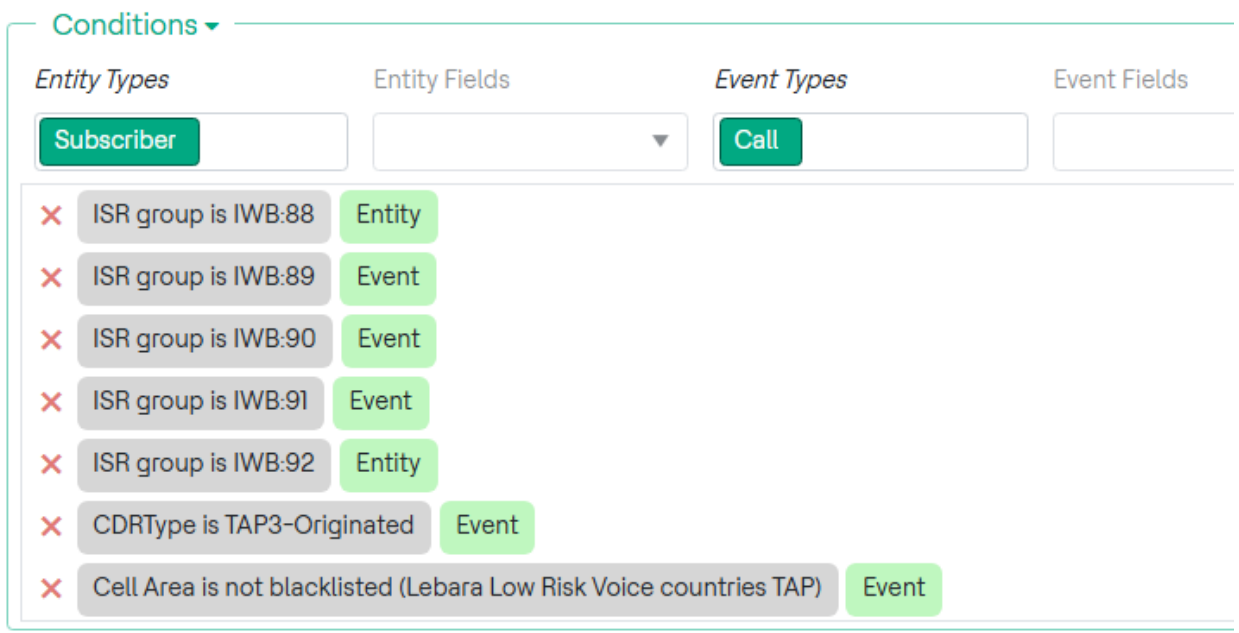
C2 General

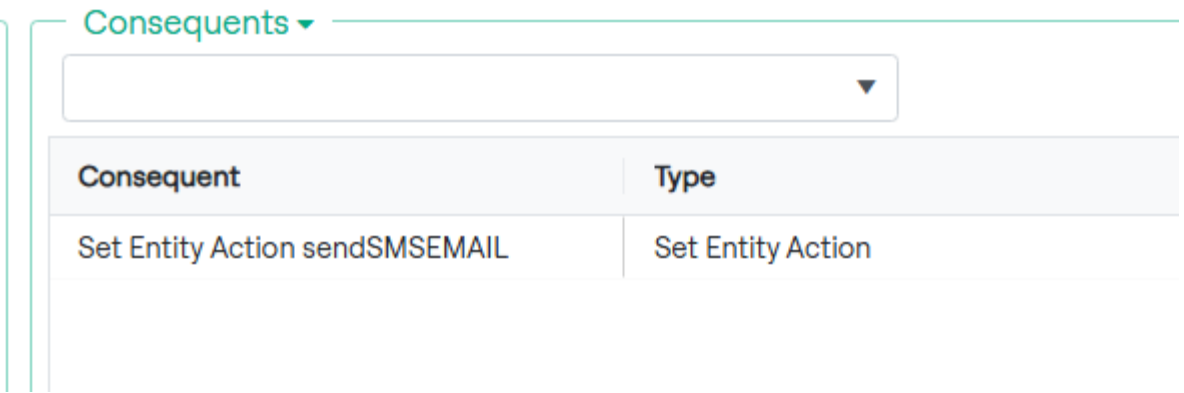
IRSF case Verizon Wireless 2009/2010



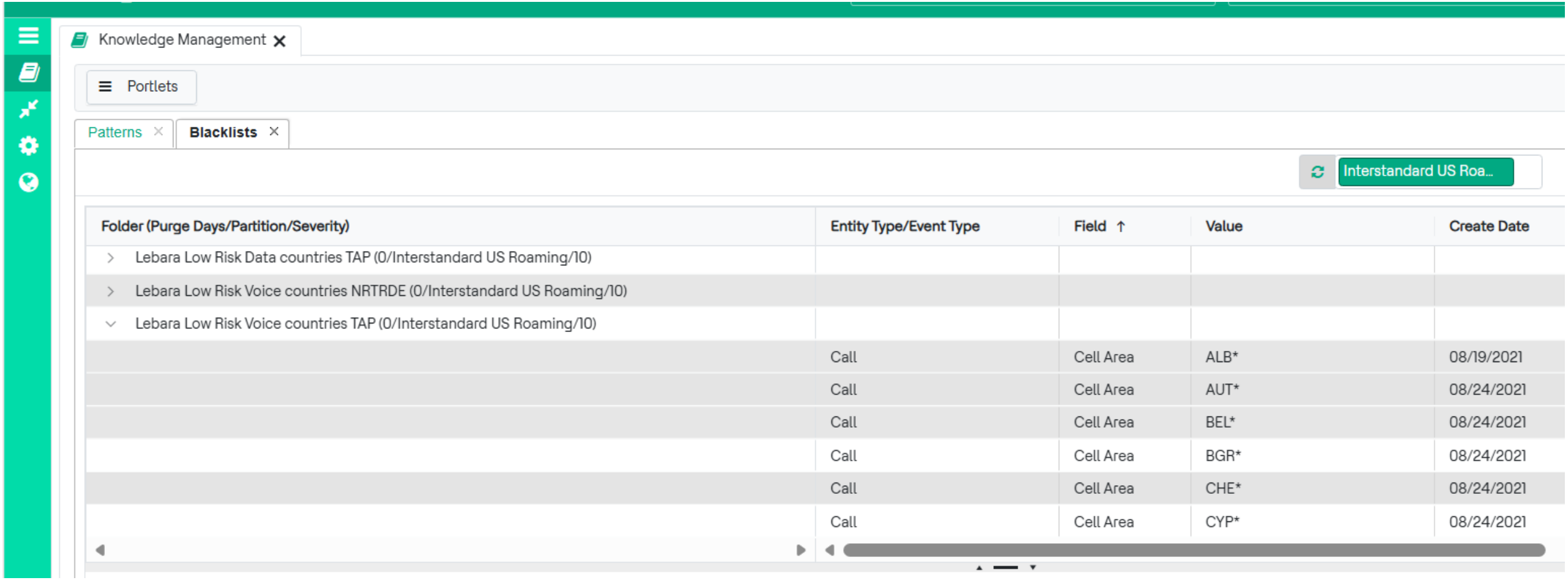
Pattern & Consequents (no case!)



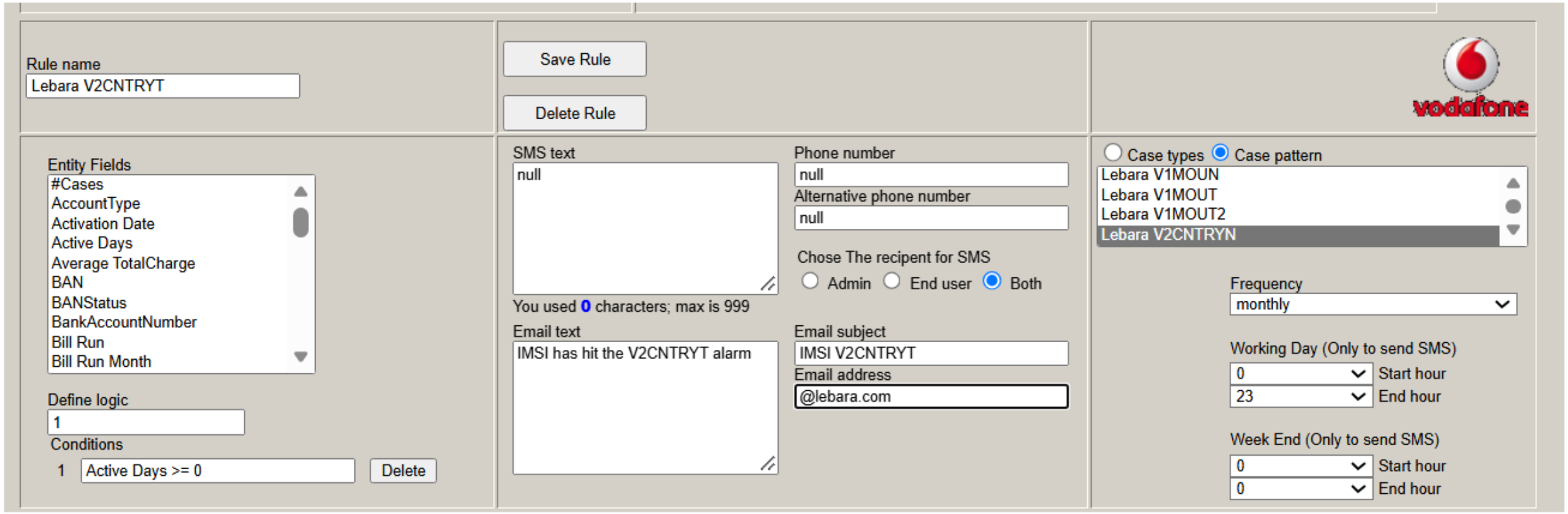




Blacklist functionality



Notification Module



Default thresholds

- **V1MOUT** : > 150 EUR Voice MO + MT within 1 month based on TAP files (1 alert per IMSI per month)
- **V1MOUN** : > 1000 minutes Voice MO + MT within 1 month based on NRTRDE files (1 alert per IMSI per month)
- **V2CNTRYT** : > 25 EUR Voice MO to expensive destinations (*) within 24 hours based on TAP files (1 alert per IMSI per day)
- **V2CNTRYN** : > 10 minutes Voice MO to expensive destinations (*) within 24 hours based on NRTRDE files (1 alert per IMSI per day)
- **D1MBT** : > 150 EUR data usage within 1 month based on TAP files (1 alert per IMSI per month)
- **S5SMST** : > 150 EUR SMS-MO within 1 month based on TAP files (1 alert per IMSI per month)
- **S5SMSN** : > 1000 SMS-MO within 24 hours based on NRTRDE files (1 alert per IMSI per month)

C2 General



Questions?

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