

Anam Discover

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Anam Discover is a managed service that identifies and monitors A2P SMS leakage in the mobile operator network. Using our state of the art APT (Automated Penetration Test) software, Anam Discover simulates subscriber behaviour to understand how A2P messages are delivered to the operator's subscribers from all the major brands.

This visibility of message routing enables Anam to identify sources of weakness in the operator network. The information is stored and analyzed to report on current leakage and potential new threats.

Using this detailed reporting, the operator can build the business case to invest in products and services required to fully monetise A2P messages on its network.



Anam Discover Product Features

Feature	Details
Physical SIMs or Virtual Numbers	Testing can be completed using either physical SIMs (for operators new to Anam) or a virtual number range (for existing Anam customers) provided to Anam by the operator
Global Brands	Anam Discover can simulate messages from all the major global and regional brands that send high volumes of A2P messages
Reporting	Weekly and monthly reports include in-depth analysis of routes and threat detection from the Anam Analytics team
SIM Box Identification	Unique insights into messages originating from SIM boxes to strengthen the operator's A2P monetisation strategy
Managed Service	Anam Discover is supported by Anam's industry leading Managed Services team, including our Technical Services and Revenue Analytics teams.

Anam Firewall Customers

Customer provides multiple virtual MSISDNs to Anam Managed Services team



Operators new to Anam

Operator provides 4 SIM cards to Anam Managed Services team

Anam simulates messages from major brands to virtual SIMs, delivered to a 'Honey-pot' database within the Anam Firewall.



Anam simulates messages from major brands to operator SIMs, delivered to a handset.

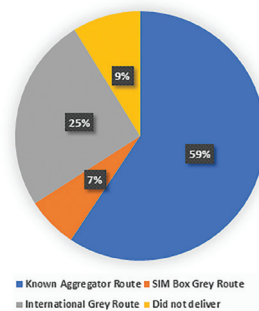


Anam provides a Management Summary plus detailed analysis of message routing along with recommendations to monetise A2P messages

Overview of Brand Test Results	
Known Aggregator Route	54
SIM Box Grey Route	6
International Grey Route	23
Did not deliver	8
Total	91

Conclusions	
There is strong evidence of international grey routes. We recommend that Operator checks AA19 agreements to confirm that these messages are being billed to the sender.	
There is some evidence that messages are being sent over SIM Boxes, i.e. domestic Grey Routes. We recommend:	
a) Further testing to assess the scale of this route.	
b) Deep dive into the MSISDNs sending these messages. Implementing a Messaging Firewall would ensure these grey routes are blocked and that revenue can be generated from the delivery of these messages.	

Anam Discover Penetration Testing



Key Business Benefits

Build the Business Case

Operators without a Messaging Firewall will get visibility of the weaknesses in their networks for the first-time including data on the volumes of messages that are terminating free of charge over grey routes. This information helps the operator build the business case to invest in a Firewall to support their A2P monetisation strategy.

Insights on Firewall Quality

For customers who already have a third-party Messaging Firewall in place, Anam Discover provides valuable intelligence on the Firewall's performance. Over time, senders of unauthorized messages continue to seek out weaknesses in the operator networks, particularly using SIM boxes. Anam Discover helps the operator to identify new grey routes and take corrective action with their Firewall provider.

Managed Services Integration

For customers of Anam's Messaging Firewall, Anam Discover is a key component in the Anam Managed Services solution. Anam Discover will help identify requirements for upgrades or enhancements to your current solution and our Technical Services team will work with you to schedule any changes required to eliminate all weak points in your network.