



RMT

Roaming Management Tool

While expanding the roaming agreement coverage and handling negotiations and new partnerships, operators need to maintain a significant amount of data (Documents, SIM Cards), manage a complex internal communication and interact with external partners and systems. This data is subject to frequent modifications based on network evolution and agreement updates. Most roaming teams are managing these processes and documents using excel and shared folders in a manual way which becomes inefficient and increases the risk of human errors.

Furthermore, the growth of the competition factor drives the need for tools which enable smooth and rapid transition from negotiation to launch and therefore enabling a fast expansion of the roaming footprint.

RoamSmart's **Roaming Management Tool** is a comprehensive roaming coordination platform which helps building a centralized database of all roaming related data and offers a flexible workflow engine for automated internal and external communication in addition to a wide range of customizable reports and integrations.

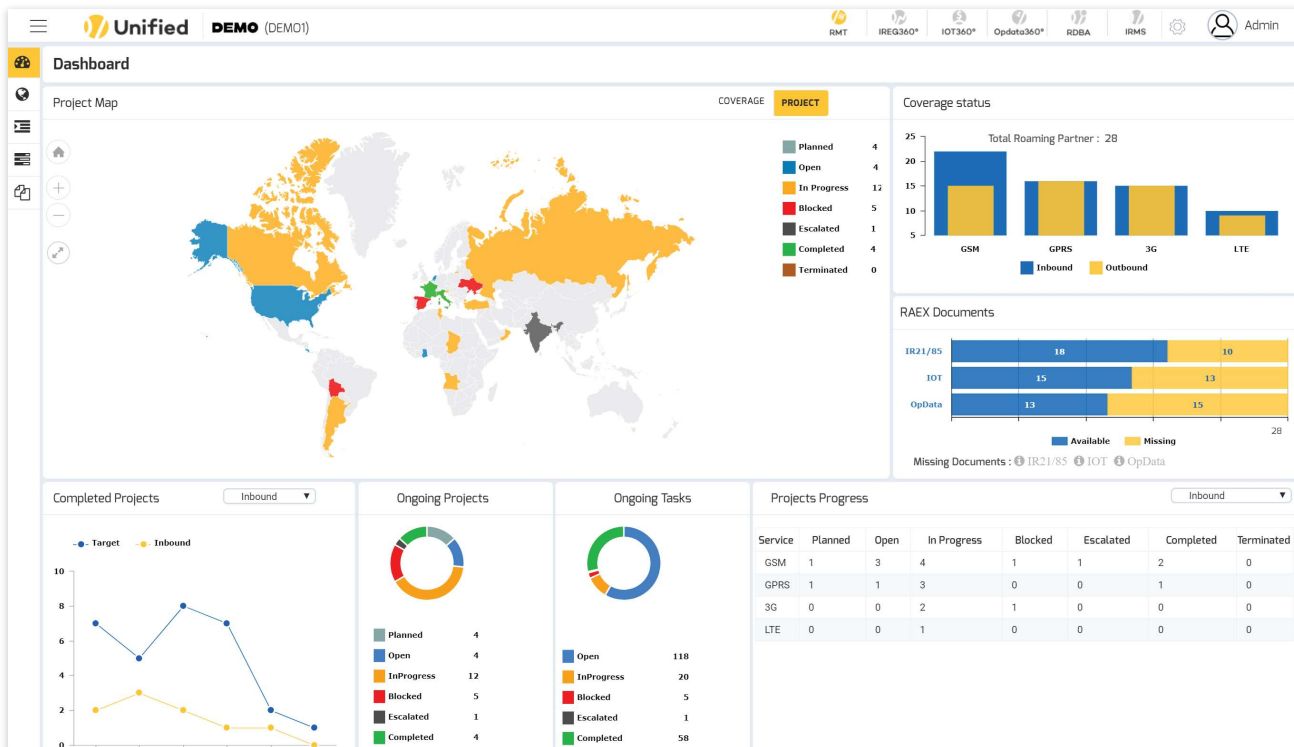
Roaming Management Tool main features :

- ⑦ Dashboard for easy follow-up on rollout projects status and task progress.
- ⑦ Rollout workflow platform: Project creation, follow-up, reporting and alarming.
- ⑦ Document management: upload and access through search engines.
- ⑦ RAEX Import and Validation: Upload of RAEX documents and validation according to GSMA standard.
- ⑦ RAEX Document parsing: The tool automatically reads the content of the RAEX documents, extracts to data and parameters for future use.
- ⑦ RAEX Document Reporting: A flexible and userfriendly reporting interface on any KPI of the RAEX documents (IR.21, AA.14, OpData, IOT).
- ⑦ SIM Card Management: data entry, filtering and reporting on test SIM cards.
- ⑦ Flexible reporting on Rollout status, Roadmap completion and Task progress performance.
- ⑦ Document creation: automatic and easy creation of AA.12, AA.13, TCC and CLL contracts.

Roaming Management Tool (RMT) is built on RoamSmart's modular **Unified Roaming Platform** which offers full flexibility and adaptation to customer specific requirements for reporting and integration to external systems.

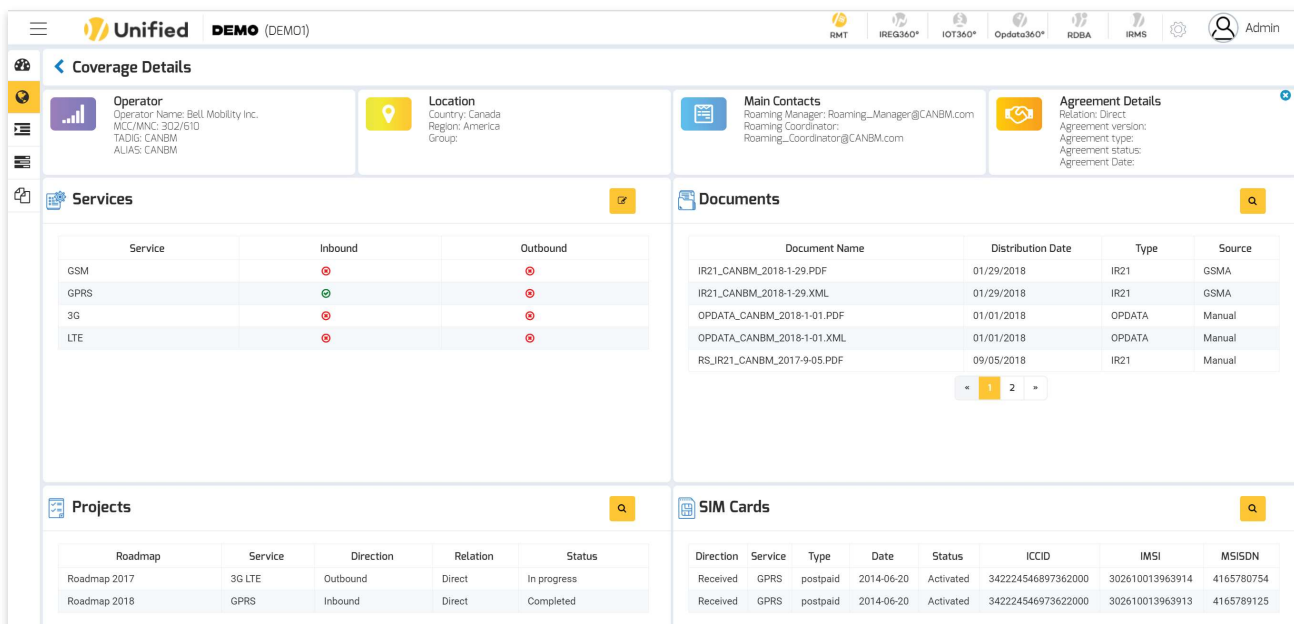
Dashboard module

The Dashboard module provides a global overview of the main KPIs and metrics managed by the solution. This includes a map view of the coverage status, a map view of the projects status, a chart on the roaming status and available RAEX documents as well as several charts and tables showing the situation of the rollout projects and tasks.



Coverage module

The Coverage module provides a list of roaming partners along with the launched services and launch date. Moreover, the module offers a detailed view for each roaming partner showing the main contact details, service status, current project, available documents and test SIM Cards.



Project module

The Project module provides the list of rollout projects with a detailed view on the project parameters, project template and the related documents and SIM Cards. Moreover, the module offers a powerful and flexible workflow engine allowing an automated and efficient communication and notification.

Projects Details

Operator: Network: DEMO1
Operator Name: Bell Mobility Inc.
MCC/MNC: 302/610
TADIG: CANBM
ALIAS: CANBM

Location: Country: Canada
Region: America
Group:

Project Details: Roadmap: Roadmap 2017
Owner:
Service: 3G LTE
Direction: Outbound
Created by:

Agreement Details: Relation: Direct
Agreement version:
Agreement type:
Agreement status:
Agreement Date:

Milestone	Tasks	Task Id	Status	Assigned To	Time estimated	Track	Documents	Comment	Action
Roaming Agreement	Roaming Agreement	11180220173009	In progress	User 1 User 1	3	ON_TRACK			
Roaming Agreement	Signature	389180220173009	Open	User 1 User 1	2	ON_TRACK			
Preparations	Infopack Exchange	919180220173009	Open	User 1 User 1	1	ON_TRACK			
Preparations	SIM Exchange	406180220173009	Open	User 1 User 1	3	ON_TRACK			
Preparations	SIM exchange and act...	540180220173009	Open	User 1 User 1	7	ON_TRACK			
IREG Test phase	TADIG	437180220173009	Open	User 1 User 1	6	ON_TRACK			
Ready for launch	CLL - Launch date	513180220173009	Open	User 1 User 1	1	ON_TRACK			
Ready for launch	Service implemented ...	281180220173009	Open	User 1 User 1	1	ON_TRACK			

Tasks module

The Tasks module provides the list of rollout tasks with the option to change the status, filter on different parameters and export to excel reports.

Unified DEMO (DEMO1)

Tasks

Project: Others

Country	Roaming partner	TADIG	MCC/MNC	Al	Cl
All	All	All			
Bolivia	Comfone Ltd.	BOLK9	736/3	P	
Bolivia	Comfone Ltd.	BOLK9	736/3	IF	
Bolivia	Comfone Ltd.	BOLK9	736/3	R	
Bolivia	Comfone Ltd.	BOLK9	736/3	R	
Canada	Bell Mobility Inc.	CANBM	302/610	R	
Canada	Bell Mobility Inc.	CANBM	302/610	R	
Canada	Bell Mobility Inc.	CANBM	302/610	P	
Canada	Bell Mobility Inc.	CANBM	302/610	P	
Canada	Bell Mobility Inc.	CANBM	302/610	P	
Canada	Bell Mobility Inc.	CANBM	302/610	P	
Canada	Bell Mobility Inc.	CANBM	302/610	P	
Canada	Bell Mobility Inc.	CANBM	302/610	P	

Task Details

Milestone: Roaming Agreement Task: Roaming Agreement

Task Status: In progress User Assigned: unified.admin@gmail.com ✉

Open

In progress

Blocked

Escalated

Troubleshooting

Completed

In progress

Changed on: 22-02-2018 Changed By:

APPLY CANCEL

Document module

This module is an intelligent interface to upload all roaming contracts with an easy access through flexible search engine. The list of documents includes all relevant Roaming agreement documents from the first step of the negotiation phase until the official commercial Launch: AA12, AA13, AA14, IR21, discounts, CLLs...

Network	Roaming partner	Country	TADIG	ALIAS	Relation	MCC/MNC	Document Name	Distribution Date	Type	Source	Status	Actions
DEMO1	AT&T Mobility	United States	USAAT	USAAT		310/180	AA12_USAAT_2018-1-01.PDF	01/01/2018	AA12	Manual	Active	
DEMO1	OJSC MegaFon	Russian Federation	AAAAA	AAAAA		250/02	AA12_AAAAA_2017-10-12.PDF	10/12/2017	AA12	Manual	Active	
DEMO1	Telekom Deutschland ...	Germany	DEUD1	DEUD1		262/01	AA13_DEUD1_2017-02-26.PDF	02/26/2017	AA13	Manual	Active	
DEMO1	Orange Egypt for Tel...	Egypt	EGYAR	EGYAR		602/01	TCC_EGYAR_2016-12-01.DOC	12/01/2016	TCC	Manual	Active	
DEMO1	Two Degrees Mobile L...	New Zealand	NZLNH	NZLNH		530/24	CLL_USAAT_2018-02-01.DOC	02/01/2018	CLL	Manual	Active	
DEMO1	Bell Mobility Inc.	Canada	CANBM	CANBM		302/610	IR21_CANBM_2018-1-29.PDF	01/29/2018	IR21	GSM	Active	
DEMO1	Bell Mobility Inc.	Canada	CANBM	CANBM		302/610	IR21_CANBM_2018-1-29.XML	01/29/2018	IR21	GSM	Active	
DEMO1	Telecom Italia SpA	Italy	ITASI	ITASI		222/01	RS_IR21_ITASI_2018-1-30.PDF	01/30/2018	IR21	Manual	Active	
DEMO1	Telecom Italia SpA	Italy	ITASI	ITASI		222/01	IR21_ITASI_2018-1-30.PDF	01/30/2018	IR21	Manual	Active	
DEMO1	Telecom Italia SpA	Italy	ITASI	ITASI		222/01	IR21_ITASI_2018-1-30.XML	01/30/2018	IR21	Manual	Active	

SIM Cards module







The SIM card module helps managing and tracking the test SIM Cards which are exchanged with roaming partners for the sake of testing activities. This module offers flexible filtering and excel reporting functionalities.

Network	Country	Roaming partner	TADIG	MCC/MNC	ICCID	Direction	Service	Type	Date	Actions
DEMO1	Canada	Bell Mobility Inc.	CANBM	302/610	342224546897362000	Received	GPRS	postpaid	2014-06-20	
DEMO1	Canada	Bell Mobility Inc.	CANBM	302/610	342224546973622000	Received	GPRS	postpaid	2014-06-20	
DEMO1	Angola	Movicel - Telecomuni...	AGOMV	631/04	966956900066434000	Received	GSM	postpaid	2014-06-20	
DEMO1	Angola	Movicel - Telecomuni...	AGOMV	631/04	966956900066435000	Received	GSM	postpaid	2014-06-20	
DEMO1	Angola	Movicel - Telecomuni...	AGOMV	631/04	966956900066436000	Received	GSM	postpaid	2010-02-01	
DEMO1	Angola	Movicel - Telecomuni...	AGOMV	631/04	966956900066437000	Received	GSM	postpaid	2010-02-01	
DEMO1	Angola	Movicel - Telecomuni...	AGOMV	631/04	966956900066438000	Received	GSM	postpaid	2010-02-01	
DEMO1	Russian Federation	MegaFon PJSC	AAAAA	250/02	893901000209354000	Received	GSM	Prepaid	2007-12-21	
DEMO1	Angola	Movicel - Telecomuni...	AGOMV	631/04	966956900066154000	Received	GSM	postpaid	2014-04-01	
DEMO1	Angola	Movicel - Telecomuni...	AGOMV	631/04	966956900066455000	Received	GSM	postpaid	2014-04-01	

Who we are

RoamSmart is a leading provider of innovative Roaming and Big Data Solutions to mobile operators. We support Telcos in the digital transformation of their roaming and wholesale business.

Our big data based Unified Roaming Platform helps operators in managing their roaming business from different angles:

-  Operational efficiency of the rollout activity.
-  Process automation in the RAEX Management (IR.21/IR.85, IOT and Opdata).
-  Roaming revenue assurance through Core Network Database Audit.
-  Negotiation competitive edge with Inbound Roaming Market Share.
-  Business Intelligence for accurate business tracking and reporting.
-  Deep Insight on the business : Traffic, Revenues, market share and steering performance.

Our vision is to build a comprehensive and robust Big Data platform which centralizes all data from different sources and provides the flexibility to the user to manage different activities starting from Wholesale Roaming, Retail Roaming and extending to Interconnect Business and Local Traffic.

ROCCO'S ROAMING MANAGEMENT SURVEY 2015



ROCCO'S CUSTOMER SERVICE REPORT 2017 :



We also have



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