



The commercial roaming teams are receiving a significant amount of IOT/AA.14 updates on daily basis with different formats (xml, pdf, word). They need to keep track of this information in a structured way and accessible through a user-friendly interface. Moreover, they need to detect the changes in the new document and inform the involved departments. This activity requires several resources if done manually and keeps a high risk of human error with negative revenue impact.

RoamSmart's IOT360° is an automated web application which helps managing the full process around IOT/AA.14 handling (RAEX and Non-RAEX) and building a centralized and comprehensive database with the updated data of all roaming partners, in addition to automated change detection and notification.

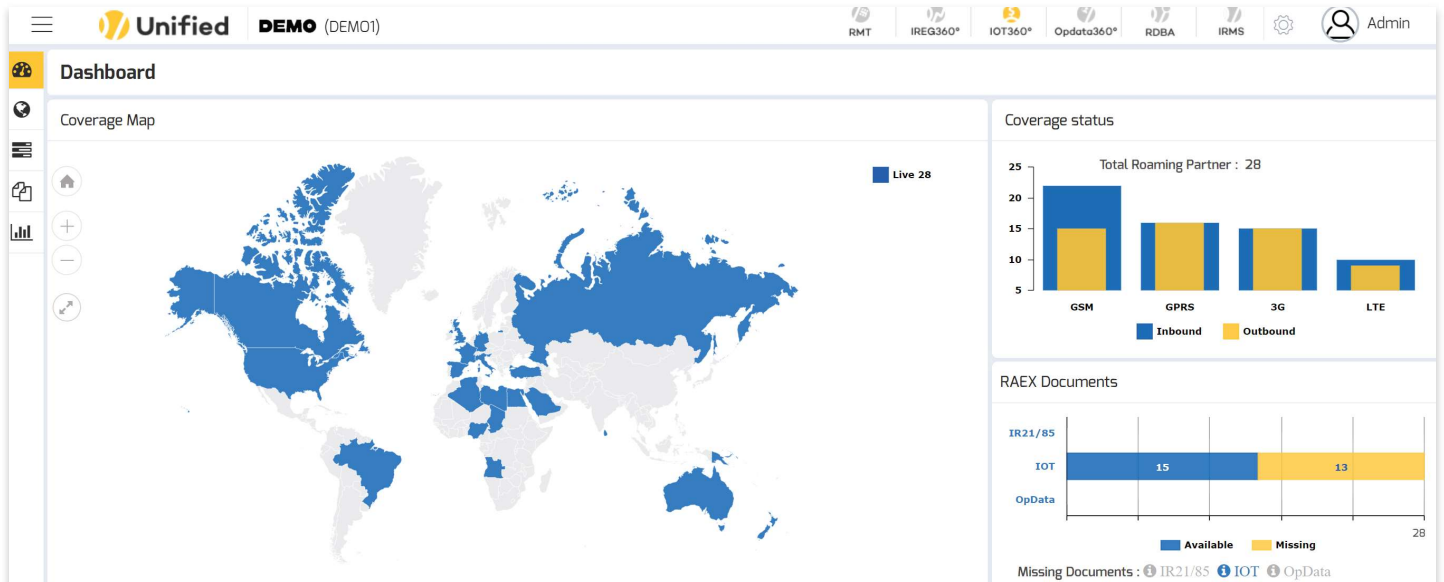
IOT360° main features:

- ⑦ Dashboard for easy follow-up on coverage status and document availability.
- ⑦ Automatic upload of IOT updates from GSMA Infocenter Inbox.
- ⑦ Version Control and Parsing of RAEX compliant IOT.
- ⑦ Manual conversion of non-RAEX AA.14 documents (in pdf, word or excel format) to be done by RoamSmart Managed Services team and full content to be available within 48 hours from document availability. IOT360° makes all your partners RAEX compliant and creates xml IOT for those who send other formats.
- ⑦ Changes detection and classification based on section and target groups.
- ⑦ Automatic notification to target departments/teams.
- ⑦ Follow-up and completion workflow.
- ⑦ Comprehensive reporting for better visibility.

IOT360° 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.

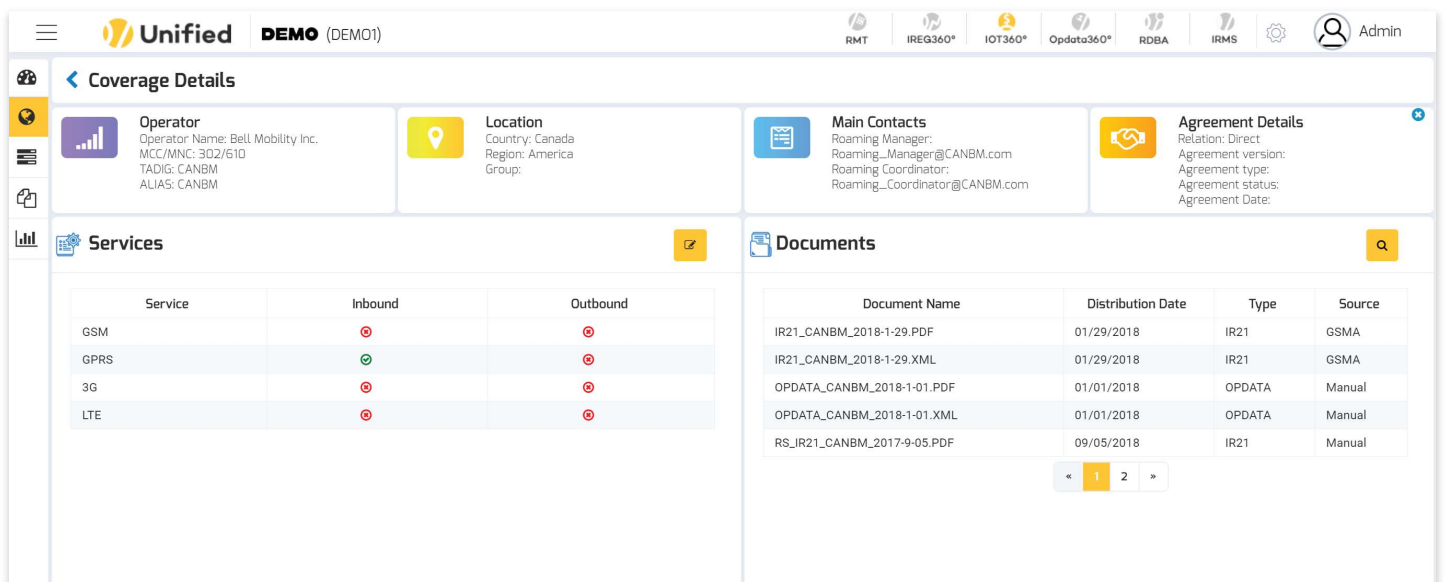
Dashboard module

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 chart on the roaming status and available IOT documents.



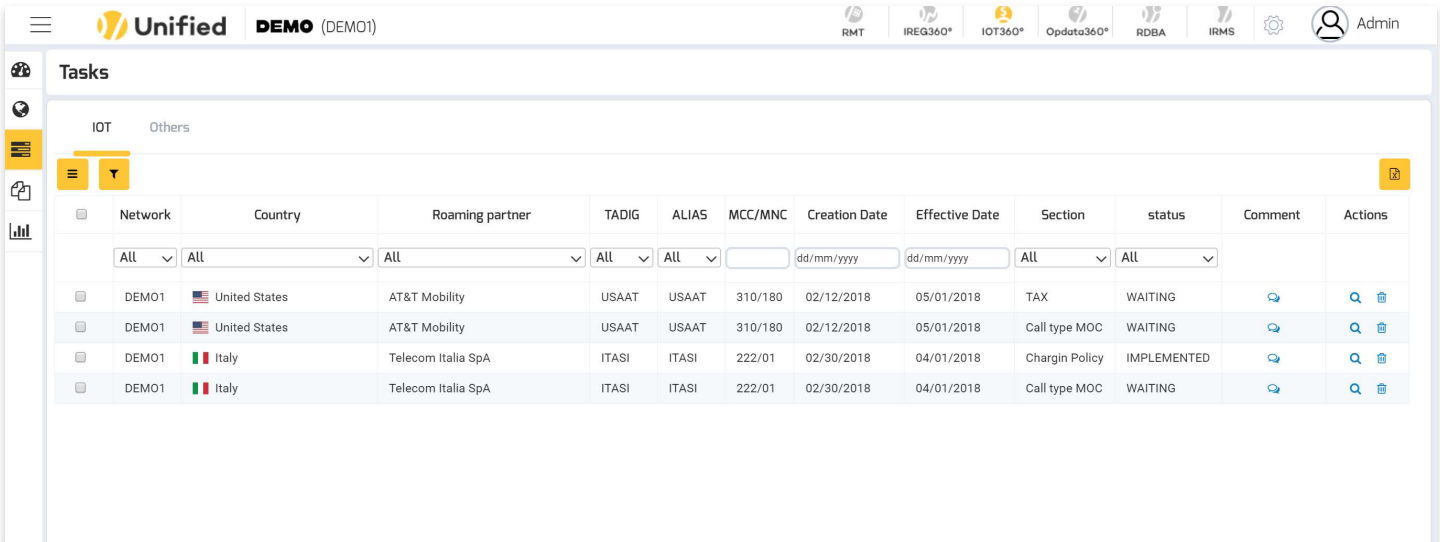
Coverage module

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 and available IOT documents.



 **Tasks module**

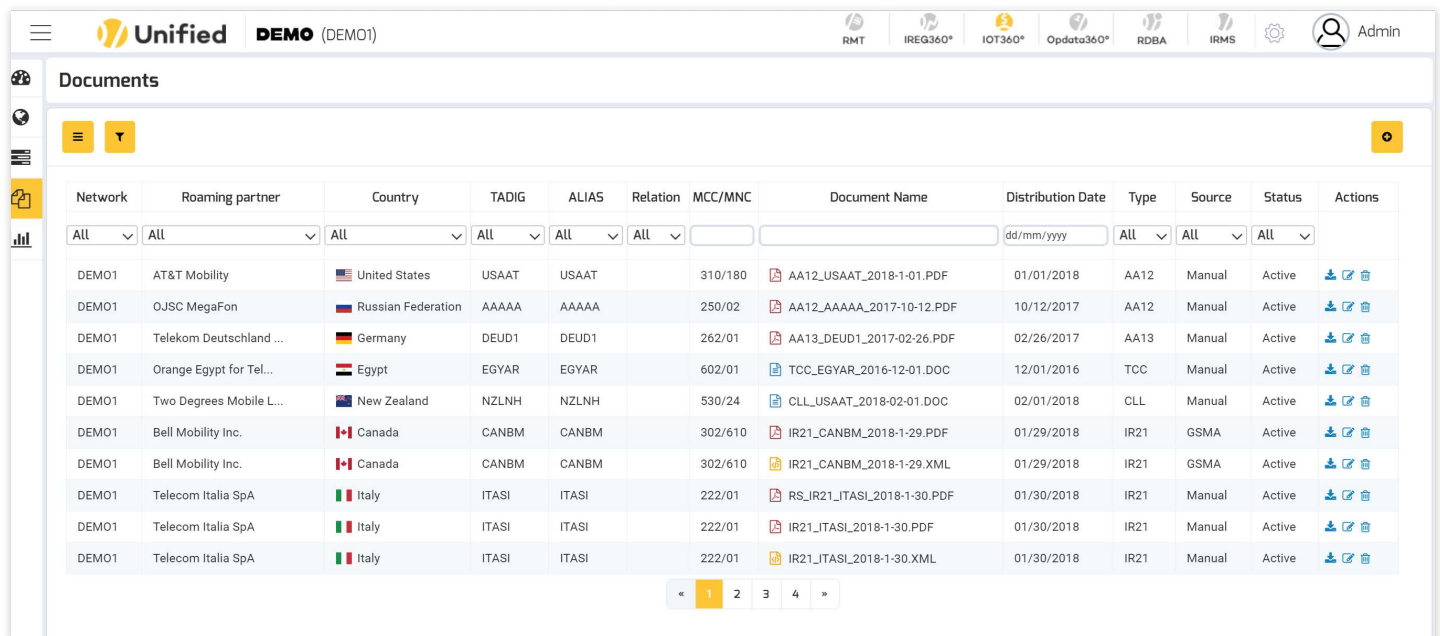
The Tasks module provides the list of IOT tasks created based on the detected changes on the new received document compared to the latest version. The user has the option to change the status, filter on different parameters and export to excel reports.



Network	Country	Roaming partner	TADIG	ALIAS	MCC/MNC	Creation Date	Effective Date	Section	status	Comment	Actions
DEMO1	United States	AT&T Mobility	USAAT	USAAT	310/180	02/12/2018	05/01/2018	TAX	WAITING		
DEMO1	United States	AT&T Mobility	USAAT	USAAT	310/180	02/12/2018	05/01/2018	Call type MOC	WAITING		
DEMO1	Italy	Telecom Italia SpA	ITASI	ITASI	222/01	02/30/2018	04/01/2018	Chargin Policy	IMPLEMENTED		
DEMO1	Italy	Telecom Italia SpA	ITASI	ITASI	222/01	02/30/2018	04/01/2018	Call type MOC	WAITING		

 **Documents module**

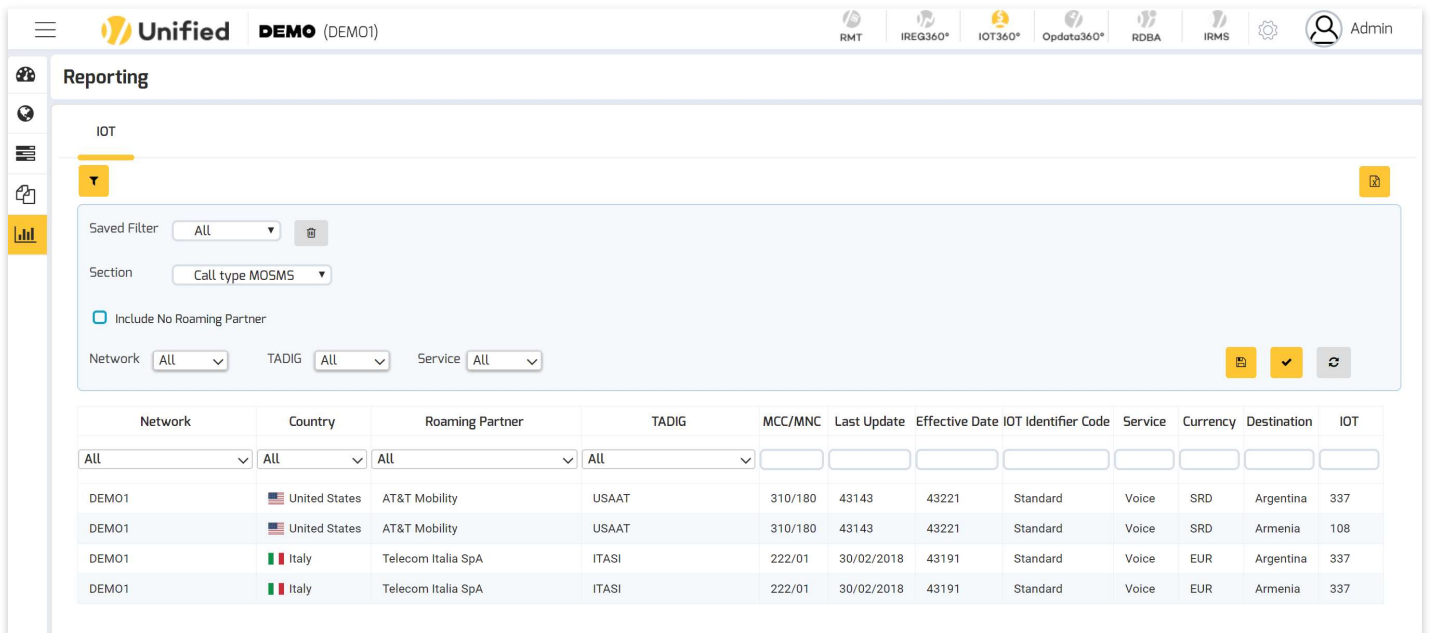
This module is an intelligent interface to upload all IOT documents with an easy access through flexible search engine and a comprehensive filtering mechanism.



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	GSMA	Active	
DEMO1	Bell Mobility Inc.	Canada	CANBM	CANBM		302/610	IR21_CANBM_2018-1-29.XML	01/29/2018	IR21	GSMA	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	

 **Reporting module**

The Reporting module provides a comprehensive and flexible reporting engine allowing the user to extract an excel report on any KPI defined in the IOT RAEX standard e.g. Tax, Currency, Service, Tariff etc..



The screenshot shows the 'Reporting' module interface. At the top, there's a navigation bar with 'Unified DEMO (DEMO1)' and various system icons. The main area is titled 'Reporting' and contains a filter panel with the following settings:

- Saved Filter: All
- Section: Call type MOSMS
- Include No Roaming Partner:
- Network: All
- TADIG: All
- Service: All

Below the filters is a table with the following columns: Network, Country, Roaming Partner, TADIG, MCC/MNC, Last Update, Effective Date, IOT Identifier Code, Service, Currency, Destination, and IOT. The table contains four rows of data:

Network	Country	Roaming Partner	TADIG	MCC/MNC	Last Update	Effective Date	IOT Identifier Code	Service	Currency	Destination	IOT
DEMO1	United States	AT&T Mobility	USAAT	310/180	43143	43221	Standard	Voice	SRD	Argentina	337
DEMO1	United States	AT&T Mobility	USAAT	310/180	43143	43221	Standard	Voice	SRD	Armenia	108
DEMO1	Italy	Telecom Italia SpA	ITASI	222/01	30/02/2018	43191	Standard	Voice	EUR	Argentina	337
DEMO1	Italy	Telecom Italia SpA	ITASI	222/01	30/02/2018	43191	Standard	Voice	EUR	Armenia	337

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:

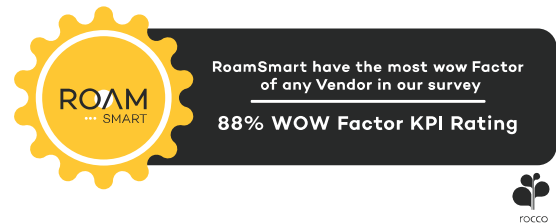
- ⑦ Operational efficiency of the rollout activity.
- ⑦ Process automation in the RAEX Management (IR.21/IR.85, IOT and Opdata).
- ⑦ Roaming revenue assurance through Core Network Database Audit.
- ⑦ Negotiation competitive edge with Inbound Roaming Market Share.
- ⑦ Business Intelligence for accurate business tracking and reporting.
- ⑦ 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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