PMSE Management System

Heikki Kokkinen Fairspectrum





- Interference management needs in LSA system
- Roles and tasks
- Features



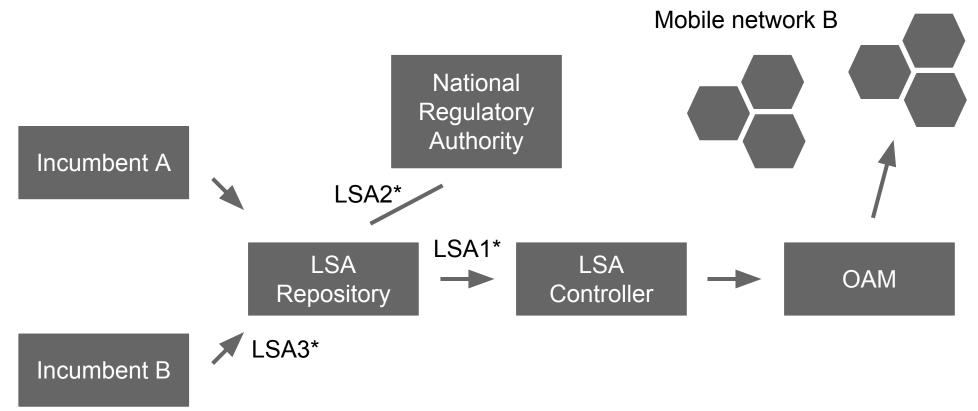
Interference management needs in LSA system





LSA architecture

Mobile network A



*) LSA1-3 ETSI TS 103 235



Interference protection

Mobile network B

Inter-cell

Mobile network A





OAM

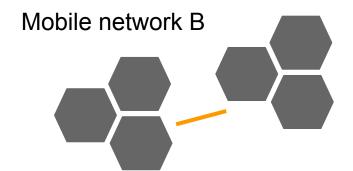


Interference protection

Mobile network A

Inter-operator

National Regulatory Authority





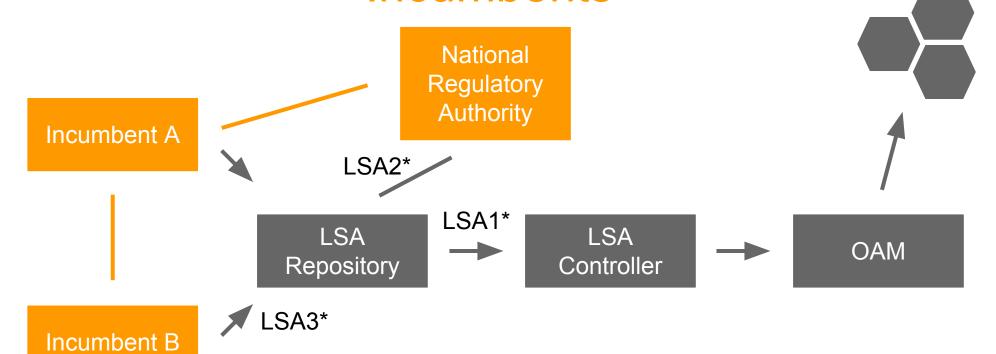
Interference protection Mobile network A Licensee - Incumbent **National** Regulatory **Authority** Incumbent A LSA2* LSA1* LSA LSA OAM Controller Repository LSA3* Incumbent B

*) LSA1-3 ETSI TS 103 235



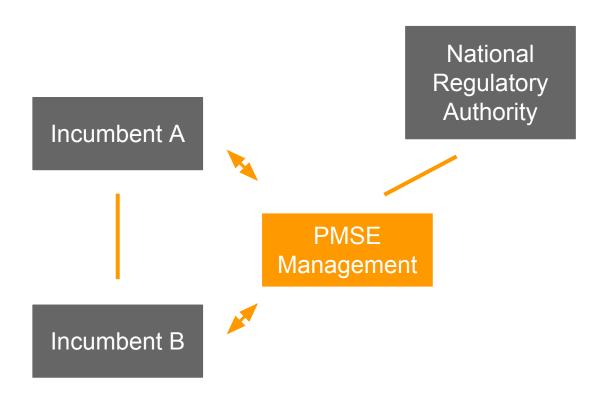
Interference management Incumbents

Mobile network A





PMSE Management System





Roles in PMSE management system





Licensee

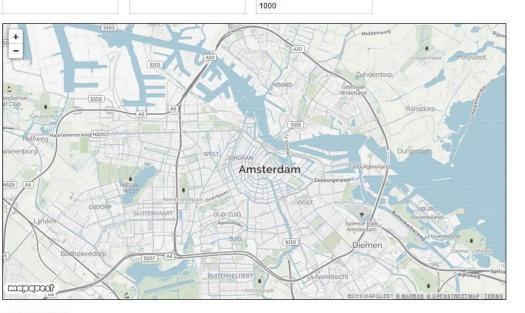
New reservation

Latitude



Longitude

- New reservation
- My reservations
- Reservations and blockings
- Change profile
- Documentation

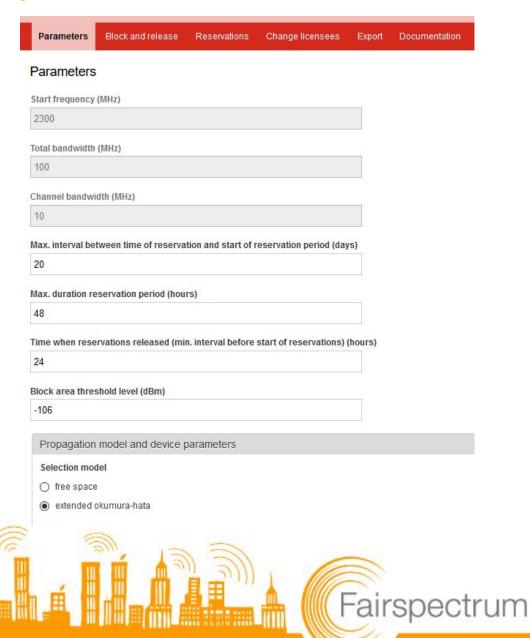


Coverage (meters)



Frequency Planner

- Parameters
- Block and release
- Reservations
- Change licensees
- Export
- Documentation



Inspector

Checking reservations

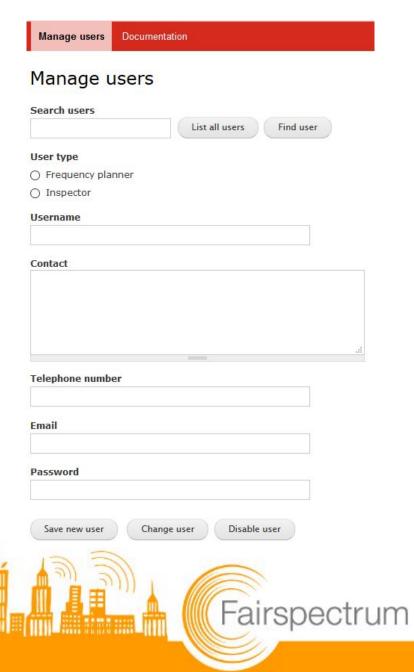
Documentation

Checking reservati	ons Documentation	
Checking re	eservations	
Of licensee		
		0
Unique reference coo	de	
Start Date and Time		
2016-08-27	11:30	
E.g., 2016-08-29	E.g., 11:30	
End Date and Time		
2016-08-31	11:30	
E.g., 2016-08-29	E.g., 11:30	
Use location		
● No		
O Yes		
Latitude	Longitude	Operating Radius (meters)
		1000
Close ma	S102 A5	Alo Volgemeer Rolystoot Zunderdorp Gotham, Waterfloot Ransdorp



Administrator

- Manage users
- Documentation



Features





Queueing

New reservation

My reservations

Reservations and Blockings

Change Profile

Documentation

My reservations

Past reservations

Active reservations

Unique ID Event name

Start time

Stop time

Action

No reservations found.

Active queued reservations

Past queued reservations

Unique ID Event name

Start time

Stop time

Action

Map

....

Delete

14438234 Test_queue_1

2016-09-04 12:45

2016-09-04 17:45

Channels:

2320 - 2330 MHz | 2330 - 2340 MHz | 2380 - 2390 MHz | 2390 - 2400 MHz





Email notifications

Reservation confirmed! Inbox x Isanl@fairspectrum.com via amazonses.com to me Unique code: 14488345 Event name: Test Date of reservation: 2016-08-29 13:02 Start time: 2016-09-13 13:00 Stop time: 2016-09-14 13:00 Latitude: 52.374456883174 Longitude: 4.8642940545687 Coverage: 7873.59 Reserved channel: Channel number: 10 - Frequency: 2390 - 2400 MHz

Telephone number: +3585048

Contact: Finland



Map

Close map Delfzijl Dokkum + Unique ID: 1241965 Leer Event name: TEST_Q001 Groningen varden Latitude: 52.094167745863 Longitude: 5.1072692871094 Drachten" Veendam Papenburg Operating radius: 1000 Stadskanaal A 31 Transmitter height: 10 leerenveen Receiver height: 10 Start time: 2016-09-04 22:00 Stop time: 2016-09-04 23:00 A 31 Created time: 2016-08-31 21:56 Licensee: topias_licensee_1 Hoogeveen Email: topias.kokkinen2@gmail.com Phone number: 11223344 Hardenberg Contact: Helsinki Lingen Frequency: 2380 - 2390 MHz Frequency: 2390 - 2400 MHz A28 Frequency: 2320 - 2330 MHz Almelo Frequency: 2330 - 2340 MHz Rheine Hengelo Enschede Ahaus Nieuwegein The Netherlands Rotterdam A3 A29 mapquas?

Fairspectrum

Interference protection

