



## WiFi Roaming Solution.

Services International Carrier Sales & Solutions (ICSS)

Life is for sharing.



# WiFi Roaming Solution. World wide wireless.

## Mobile reach anywhere.

WLAN has grown exponentially over the last few years and show an unprecedented rate of market acceptance. This trend has been driven by the demand for mobile connectivity in and out of the office and by the increasing development of laptops with built-in WiFi and WiFi-enabled mobile devices.

Today, WiFi has become a well-established technology. Mass adoption intimates of globalization, however, is still a challenge for WiFi industry players. Optimum ubiquity, extended coverage, and hassle-free customer experience are critical factors to be successful in the global WiFi market. This is where international WLAN roaming comes into the picture.

## Aggregation and AAA Hub: develop your business with ICSS.

The WiFi Roaming Solution of Deutsche Telekom ICSS meets your need for international WiFi Roaming flexibility either by providing a full brokerage service (Aggregation) where bilateral agreements are not required any longer or by just facilitating the technical implementation of your bilateral agreements (AAA Hub). Thanks to ICSS's WiFi Roaming Solution, end users can benefit from best-of-class WiFi Roaming services anywhere in the world.

## ICSS's WiFi Roaming Solution: Aggregation – the comprehensive solution for increased profitability.

The WiFi Roaming Solution of ICSS is a one-stop-shopping solution and single gateway to the world of hotspots and service providers, offering you numerous advantages:

- **Inbound Roaming (hotspot operators):** by opening your hotspots and allowing easy access to a large number of additional customers, you can increase your traffic and thus your revenues.
- **Outbound Roaming (WiFi Service Providers):** by connecting on to ICSS' WiFi Roaming platform, you can expand your footprint and revenues, and enhance your portfolio thanks to extended international hotspot coverage.

## To achieve this, you only need to deal exclusively with one entity: ICSS.

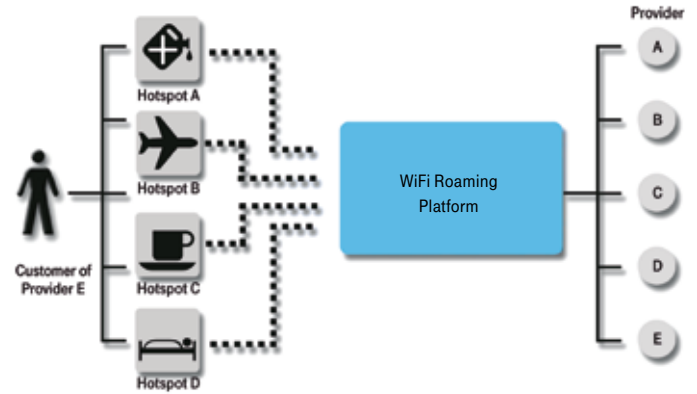
- One AAA connection to the WiFi Roaming Platform (AAA Hub included)
- One contract
- One provider of billing data
- One invoice, one financial transaction

Save costs, gain speed, and get easy access to many partners with minimum effort – ICSS handles the clearing and settlement of all respective connected parties.

## ICSS's WiFi Roaming Solution: AAA Hub “only” for optimised strategic partnerships.

Service providers and WiFi players who prefer direct bilateral agreements with other service providers can benefit from ICSS's AAA Hub Solution (Authentication, Authorization, Accounting). The ICSS AAA Hub Solution helps you manage your existing and future bilateral roaming agreements and keep control over your strategic partnerships. ICSS acts as your technical partner and interface to bilateral roaming partners, helps you significantly save costs for your direct agreements, and speeds up the technical implementations.

## ICSS's WiFi Roaming concept



## Keep control of your roaming agreements with our white-label solution.

Whether you decide to keep your bilateral agreements, go for wholesale aggregation or choose a mix of both, ICSS's WiFi Roaming Solution has been designed to make your business easier:

- The ICSS WiFi Roaming Solution is a vendor-neutral and proven solution with more than 50 ICSS roaming partners already connected.
- 100 % white-label: "ICSS" is not mentioned, which means that it just feels like direct bilateral roaming. When end users log in manually, they select their home provider in a drop-down menu and are then redirected to a login page in the look and feel of their home provider.
- ICSS acts as a pure wholesale positioning partner; we do not compete with your retail business.

### Manage your WiFi Roaming business easily and cost effectively.

ICSS's WiFi Roaming platform offers maximum flexibility. Its web-based application is very easy to use and allows you to:

- Be in full control of the relationship with your partners: its flexible web-Based and/or client-based interface allows you to choose the partners with whom you wish to roam (à la carte menu). The procedure is quick and easy.
- Monitor the service: its usage data record delivery and extensive reporting give you full visibility of your financial flows with your roaming partners.
- Keep your roaming costs down: its central login page hosting and central hotspot database reduce the process overhead with every roaming partner. Furthermore, ICSS's WiFi Roaming Solution allows your end users to log in easily by selecting the appropriate service provider from the WISP's roaming partner list (drop-down menu).

### Increase your WiFi Roaming business with ICSS.

ICSS can also help you develop your WiFi Roaming business in many different ways:

- ICSS can sign up specific agreements upon request
- ICSS can help you develop your business by increasing your brand visibility (since ICSS offers a white-label solution, your brand remains 100 % visible!)

### Technical specifications.

- RADIUS mediation eliminates the need and costs to adapt your RADIUS interface per roaming partner; ICSS ensures the interconnection while you keep one stable interface
- Aggregation of accounting data for end user billing in \*.csv format

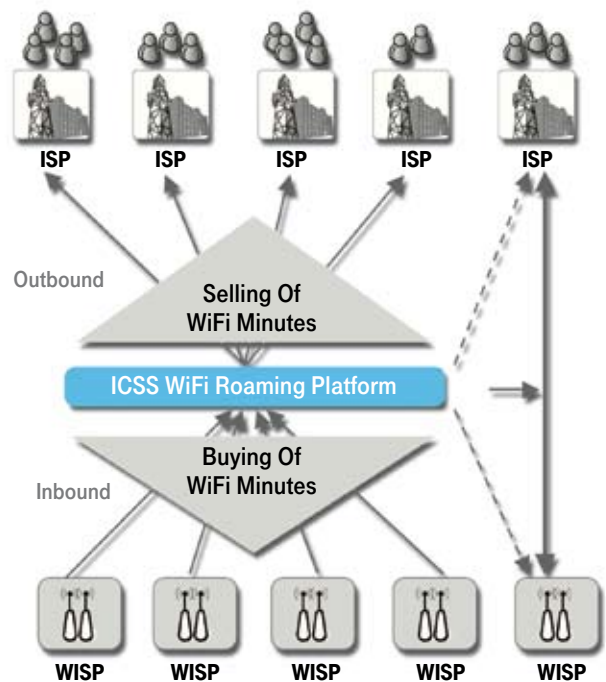
### Bundled services: broaden your horizons with ICSS.

One platform for a wealth of value-added services: ICSS's WiFi Roaming platform can bridge you to other services and help you develop your business further.

These are:

- Neighbouring services: ICSS's content clearing Bill-it-Easy solution, MMX, etc.
- Interconnection via ICSS's GRX platform or other wholesale GRX platforms (if connected to ICSS) possible
- Additional services to be included soon: VoIP, WiMax, etc.

## One-stop shopping solution



### About Deutsche Telekom ICSS.

ICSS, the international wholesale arm of Deutsche Telekom Group, is one of the biggest voice carriers worldwide and an increasingly important IP player across a growing European market with excellent interregional connections between Europe, the Americas and Asia. With continuously changing markets, ICSS has redesigned its portfolio from traditional voice and transport services to advanced innovative wholesale services and customized IP solutions. The business activities and efforts of ICSS focus on serving the following market segments: broadband operators (ISPs, WISPs, and VoIP SPs), mobile operators and MVNOs, content, application and media providers, corporate service providers and VNOs, fixed voice carriers, and carriers' carriers and their customers through a worldwide sales network. The basis for the delivery of the services of ICSS is an expanding ultramodern infrastructure – Deutsche Telekom's international network.

For further information, see

[www.deutschetelekom.com/icss](http://www.deutschetelekom.com/icss)

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Deutsche Telekom AG  
International Carrier Sales & Solutions (ICSS)  
P.O. Box 2000  
53105 Bonn  
Germany

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