

EUWENA newsletter Q2 2023

After its creation in 2021 and its formal public launch, at the Paris based Agurre *annuelle* in November 2021, EUWENA has steadily grown in activities and memberships. Working groups have been established and first meetings were held. Liaisons with peer associations have been established or reinforced. Through this **newsletter** EUWENA keeps its members and anyone interested up to date on latest developments regarding EUWENA. This Q2 newsletter features amongst others:



- New liaisons with similar enterprise wireless associations
- Engagement in a 3GPP work item on private networks
- Developing mainports' 5G within EUWENA
- New members and new private spectrum

1. Members plenary

Save the date: our **quarterly plenary meeting** with all members is planned for **April 26th, 9-11 AM**. Outlook invite will follow; agenda will comprise introduction by the new members – see below - and recent developments as per this newsletter.

2. PR and events

In Q1 EUWENA attended some events related to enterprise wireless:

Passenger Terminal Expo, Amsterdam; the global event for airports. EUWENA board members attended and contacted relevant suppliers like Airbus, associations like SITA and end users like Brussels airport and Fraport. Airports – and seaports – are a EUWENA focus area, see under 'mainports'.



Citymesh private wireless event in Brussels; an event on the emerging private wireless market in Belgium. See also under spectrum updates: spectrum will be released here soon.

MWC, Mobile World Congress. THE event of the global wireless industry was attended by chairman and secretary of EUWENA plus other board members in various capacities. Many contacts were developed with relevant suppliers, with service providers; all EUWENA members exhibiting at MWC (10 !) were visited. Meetings with associations were conducted and 2 additional liaisons were developed (see under 'liaisons'). Candidate participants for EUWENA's Mainports programme were met and consulted. On the spot at MWC, EUWENA attracted some new members; see under 'members'!

Irish foreign affairs:

St Patrick's Day at the Irish Embassy in Paris on 16th April was the occasion of a meeting and a presentation of EUWENA to the Irish Minister of State in the Department of Enterprise [Dara Calleary](#), thanks to one of our members Druid (Tadhg Kenny) and Enterprise Ireland in France to have allowed

this meeting with the objective to make EUWENA known at the Irish governmental level but also to explain the interest for companies to have harmonized frequency spectra in Europe for 10 years in Ireland as in other European countries. More on



<https://www.linkedin.com/feed/update/urn:li:activity:7043550643709501440/>

Critical Communications World. In Q2 EUWENA will participate in the CCW (Critical Communications World) event in Helsinki in May; where we'll have a stand on the TCCA's 'partner village'.



3. 3GPP work group

EUWENA will drive a 3GPP study on "Interconnect of private network"

Initiated by its board member Novamint; EUWENA will chair a **3GPP SA1 study item** for Release 19 "Study on Interconnect of SNPN"* as has been approved by the 3GPP SA plenary in Rotterdam (SA#99 – 21-24th March 2023).

This is an important step for EUWENA as it will allow to study and identify requirements associated to the emergence of many new use cases where vertical users are confronted with aspects related to the **interconnect of SNPNs with different owners**, in locations where there is no public network, and where there is a need to deal with security, authorization, onboarding, continuity of service and resilience (for example in ports, airports, mainports, utilities, railway...) and make 3GPP technologies more adapted to the need of vertical users.

The work on the use cases description will be conducted in the EUWENA "use case" working group chaired by Thierry Bérisset and EUWENA board member and who is the rapporteur of the study in 3GPP.

The work will be conducted as well in strong collaboration with **WBA (Wireless Broadband Alliance)** in particular for enhancing interconnect of SNPNs with identity providers (credential holders) that authenticate and authorize UE access to the SNPNs. WBA, though originally founded around Wi-Fi applications, now also embraces private 5G and has a work group on 5G interworking. WBA and EUWENA are about to enter into a liaison , see par 7.2 !

The expectations are to have a first set of use cases and requirements associated ready by the next SA1 meeting (SA1#102, 22 to 26th May 2023, Berlin) and to complete the work by the SA1 August meeting (SA1#103, 21 to 25th August 2023, Gothenburg, Sweden).

* "SNPN" refers to Standalone Non-Public Networks as the 3GPP term meaning private cellular (5G) network which has been deployed separately to a Public cellular (5G) network. The term "interconnect" refers to the relationship between two SNPNs owned by distinct administrations that allow users subscribed to one SNPN to use the mobile network access of the other SNPN.

4. New members

Over Q1, we welcomed some new members, some of which ‘found’ us at MWC. They are

SEE Telecom from Belgium, a supplier of RF repeaters

Radtronics from Sweden, a 5G system supplier

Ljunggren Consulting from Sweden

MACtelecom, a Belgian system integrator

Airspan, a global RAN supplier

At the next members plenary, these new members will introduce themselves.

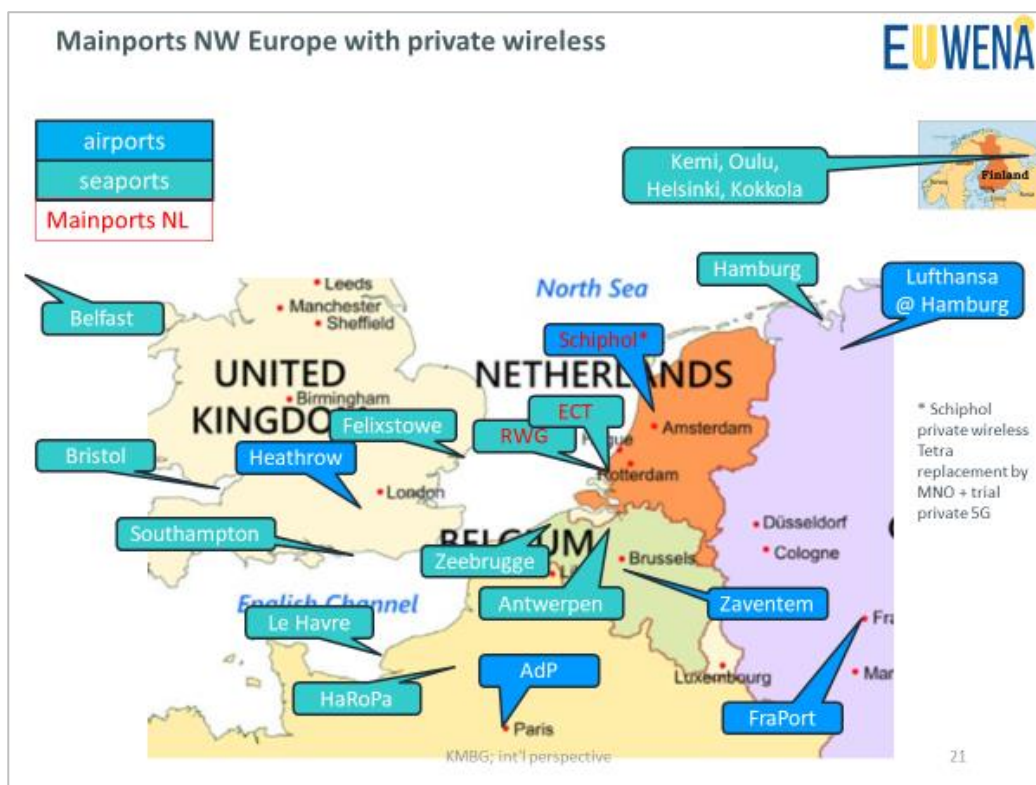
5. Spectrum for private wireless networks

EUWENA maintains a *repository* (data base) on **spectrum availability per country** on its website: www.euwena.eu/spectrum . The file has recently been updated with countries like Belgium; Spain, Sweden and Denmark are soon to follow. For anyone embarking on a private wireless journey or project or RFQ, this is the ideal starting point to assess whether and what essential raw material is available in the country!

At the Citymesh private wireless event in March; the **Belgian** regulator announced it’ll free up **private spectrum in 3.8-4.2 Ghz** (the envisaged EU harmonised band and the band used in the UK) for private wireless networks. They intend to do so by mid ’23. This implies yet another country on the private wireless map. We’ve published the details in our repository.

6. Mainports cluster

For months, EUWENA has been striving to develop a designated vertical or ‘chapter’ within EUWENA for mainports (: sea ports, airports) . The best known vertical for private wireless still is manufacture, but that vertical is already well served by for instance 5G-ACIA. A cluster that also develops rapidly is that of Mainports; yet there isn’t a dedicated focus group for that yet. Euwena picks up the challenge... In Holland there are the airport of Amsterdam (3rd in EU) and the port of Rotterdam (EU’s nr 1), that have joined forces as MainportsNL; so there is a logical starting point through EUWENA’s Dutch presence . The innovation network of the port of Rotterdam – Itanks – will publish an article on private 5G for ports. If one looks at the map of NW Europe alone, there are already some 20 mainports with private wireless !



In the months prior to the MWC, EUWENA - with the help of the organiser of the Dutch pavilion at MWC - has been approaching and enticing candidate participants for this to-be-developed cluster within EUWENA. The said 2 mainports in NL are interested; so is HubOne, the wireless operator of Aeroports de Paris but also port of le Havre. Multiple relevant suppliers to the niche have expressed their interest; such as Verizon, Airbus, Nokia and others that we are still negotiating with. The aim is to establish a designated 'chapter' under EUWENA to work with a small yet dedicated group of users and suppliers on developing the vertical in terms of common spectrum, user commonalities, specs and white papers and eco system of providers. Trough such a EUWENA activity, the niche ought to accelerate and abstain from 're-inventing the wheel' time and again.

7. Liaisons.

7.1. Present liaisons

There are many associations internationally dealing with private wireless and -spectrum! Two associations of private wireless users are already member of EUWENA: **BTG/KMBG (Netherlands)** and **Agurre (France)**. There are many other of such associations, either organised per country or per vertical served. With all of these associations EUWENA establishes contacts and working relations:

Body	Title and remit	Country or vertical
SPF	Spectrum Policy Forum	UK
5GACIA	5G Alliance for Connected Industry and Automation	D
OnGo	Formerly CBRS alliance; Citizen Band Radio Service	USA

EUTC	European Utilities Telecom Council	all utilities
TCCA	The Critical Communications Association	public safety & critical users
GSMA	GSM association	all MNO's

If members seek contact with such organisations, EUWENA can facilitate so.

7.2. New liaisons

Before MWC, the liaisons officer of EUWENA has actively pursued some more relevant associations and met with them at MWC. These are

Wireless Broadband Alliance or WBA. Originally founded in 2003 to enhance Wi-Fi, the WBA nowadays promotes private wireless at large – as EUWENA does – incl private 5G. One WBA work group focuses on 5G interworking and positioning. Due to the proximity in agenda's, WBA expressed its interest to enter into a liaison relationship with EUWENA.



Multefire alliance or MFA. Multefire is a technology that allows LTE to work on unlicensed spectrum yet with a QoS. Under 5G, the same thinking has been adopted as 5G-UL (unlicensed) or Uni5G. These unlicensed variants of 4 and 5G serve to develop the private wireless market in instances or geographies where private spectrum is not (yet) available. As with Wi-Fi, EUWENA sees this alternative as yet another option to chose from for enterprise 'going private wireless'! Thus, the MFA and EUWENA will closely collaborate, for instance on the suppliers data base that the MFA maintains.



For queries or feedback on this newsletter: secretary@euwena.eu

For an online version of this newsletter and latest updaters on liaisons, spectrum, etc: www.euwena.eu