

# ***RDS Forum - the association of RDS users***

## **A few good reasons for joining the RDS Forum in 2023**

For 30 years already the RDS Forum (a non-profit worldwide industry association) offers to the industry, broadcasters, transmission providers and regulators a superb professional contact network. The Forum studied how to link national, regional, sub-regional and local radio programmes best in a hybrid (analogue and digital) radio landscape. Today the RDS technology is in the process of being adapted to what mobile FM/RDS radio receivers need (e.g. linkage to Internet). Thanks to the high level of expertise of its members and cooperation with other Fora, a huge experience has been acquired. As a result, guidelines have been issued and will continue to be developed, specifically for RDS2, as a valuable support in design and implementation for the benefit of all Forum members involved.

In 2022, the RDS technical specifications already existed for 38 years. There has been success all over and billions of FM radios with RDS have been built so far. In quantities on top were car radios of which the features of RDS auto-tuning (AF), the pan-European traffic info system using the traffic announcement feature TA/TP and the TMC concept have had worldwide support from the automotive industry, since at least 20 years.

Worldwide, FM radio will remain the most popular radio technology and it will continue to co-exist next to digital radio still for long time.

In 2015, the RDS Forum entered the years for an adaption of the RDS technology to RDS2, using the full experience gained in the past. Full backwards compatibility is for the Forum a very important objective to be met. Since 2018 with the IEC the worldwide RDS standard IEC 62106 has been re-structured and adapted in line with the progress made in the RDS Forum on the ongoing RDS2 development.

An RDS2 station logo transmission demo was presented in a public meeting during the first RDS2 Info Day, held in November 2015 in Berlin, where RDS Forum experts explained to 70 radio professionals from 14 countries the new developments and possibilities that RDS2 will be able to offer.

For RDS2, it was necessary to completely re-structure the worldwide RDS standard IEC 62106 into Parts 1 to 6, available from the IEC since October 2018, an objective being fully achieved by the RDS Forum already by the end of 2016. In 2019 this standard adaptation has been enlarged to include RBDS (Part 9), used in North America. On this issue the RDS Forum continues to closely collaborate with the NAB and the US NRSC. Part 10 with the Universal Encoder Communication Protocol for RDS, fully adapted to RDS2 was achieved at the end of 2021. Part 2 was also updated in 2021 to include the RDS2 file transfer protocol RFT, first submitted by the RDS Forum for standardization by the IEC in 2019.

The whole RDS2 concept and the process for its adaptation had been agreed by the RDS Forum in 2015. This opened the door for a large number of innovations that can now be included into RDS using the Open Data Applications (ODA) feature on the three upper subcarriers and the new RFT specification for RDS2 file transfers, developed by the RDS Forum in 2018. All these new developments from the RDS Forum will play a pre-dominant role for RDS2 in the future. RDS2 is not only data over the air, but a complete platform that shall connect FM broadcasting with IP radio streaming of the same audio content.

The ODA (Open Data Application) concept will be fundamental for RDS2 and form a solid foundation on which one will be able to create quickly very innovative added value service applications. This may include FM radio apps for smart phones and support for the connected car concept.

The RDS Forum 2022 agreed a partnership with the DRM Consortium to harmonise data applications used for both, analogue and digital radio. Journaline is an application used in digital radio. An ODA will be created to use it also for FM radio with RDS2.

During 2021 the RDS Forum completed the development on the following RDS2 applications:

- Station logo,
- Slideshow with or without text elements and
- Service following via the internet (including the same audio stream)
- NFM – Protocol to transmit RDS data over other bearers, and not any longer only on FM.

Most important for you and your company: RDS2 is IPR free as it was jointly developed by the RDS Forum members to be an open technology, just like RDS has always been.

RDS2 may offer a new boost to your business plans and set new objectives. This could be for you the right moment and the opportunity now to join the RDS Forum 2023 as a member and contribute, influence and share these exciting developments that continue to take place within the RDS Forum. Being part of such a motivated team is inspiring and may give fun as well, enjoying being part of moving forward on continuing using RDS for FM radio worldwide.

One annual meeting of the full Forum was held until 2019. Unfortunately, because of Covid-19, up to now only virtual meetings using Zoom could be held. However in 2022 an annual meeting was again held in Geneva on 10 and 11 October 2022.

There was also an opportunity at the Salon de la Radio / European Radio Show in Paris-La Villette on 24 January 2020 to promote our aim to move forward with RDS and we discussed with the audience the new possibilities for data services using RDS2.

We, the RDS Forum members, most active in the development of this new digital technology, explained the options and answered questions about RDS2.

With RDS2, FM radio will be future proof in the (digital) radio landscape.

New RDS (RDS2 ready) encoders are available from Worldcast Systems and 2wcom. A USB RDS/RDS2 data receiver and RDS/RDS2 data analyser is available from RDS Forum member MacBe. These are the tools permitting you to conduct already now trials with RDS2 and test its new data transmission potential. For automotive applications you may be able to upgrade your NXP infotainment board with firmware for RDS2 from RDS Forum member NXP. To do so, you will have to contact them. You can also create your own test RDS2 receiver in using the chip set RX019 from MacBe.

The next annual RDS Forum meeting will be held in Geneva on 9 & 10 October 2023. You can attend this meeting as a non-member of the Forum and as a guest and this as a trial for a fee of CHF 800. This we have to charge you to cover our own cost for the preparation of this meeting. Of course, in addition you will have to pay your hotel room and the food you consume at the hotel. The venue we have chosen is very nice and very easy to reach with public transport (bus no. 50 from the airport and every 15 minutes the Lemman express from Geneva's train station) and the price charged for the rooms is, for the high quality offered, very low as far as hotel prices usually charged in Geneva hotels are concerned. We took thus great care to negotiate with the Lake Geneva Hotel in Geneva-Versoix a very attractive offer for you.

Finally, to encourage you to become a member of the RDS Forum, in the first year of your RDS Forum membership your annual member fee of CHF or EUR 3500 will be discounted by 30 %

**Dietmar Kopitz (CEO of the RDS Forum Office) and Frits dee Jong (RDS Forum Chairman).**

# **RDS Forum – the association of RDS users**

## **RDS Forum 2023 membership registration form**

Annual membership fee in Swiss franc per delegate for the RDS Forum is CHF 3'500.— .

After your registration you will be invoiced. Payment is due before the end of 2023-Q3.

As a new member of the RDS Forum, in the first year, the annual member fee of CHF 3500 will be discounted by 30 %.

If you join the RDS Forum 2023 as from 1 November 2022, the remaining time in 2022 is without any additional charge for you.

Members that want to receive the bill and pay the equivalent annual membership fee in Euros can request this from the RDS Forum Office.

There is also a possibility to pay by credit card using PayPal in Euro or Swiss Francs.

The membership renewal is automatic and those wishing to leave would have to opt out and give a two months' notice before their annual membership subscription ends.

**Please register me as a member**

..... Name  
..... First Name  
..... Company / Organisation  
..... Address (1)  
..... Address (2)  
..... Telephone  
..... Fax  
..... E-mail

**Please return this form to the RDS Forum Office in Geneva by e-mail to [rdsforum@bluewin.ch](mailto:rdsforum@bluewin.ch)**

***You will receive a confirmation of your registration as RDS Forum Member***