Comparison between RDS (now) and RDS2 (next version)

Feature	RDS	RDS2
Alternative Frequencies /AFs	87.5 to 108 MHz	Extended: 64 to 108 MHz
Programme Service name (long)	PS 8 characters max	LPS: up to 32 Byte, UTF-8 coded
Programme logo	No	Various formats up to 12 KByte size
Service Following	FM & Digital Radio	FM & Digital Radio & Internet Radio streaming
Enhanced Radio Text / eRT	Up to 64 characters Latin based or UTF-8 coded	Up to 128 byte UTF-8 coded
Enhanced Radio Text Plus / eRT+		RT and eRT at the same time
Traffic Message Channel / TMC	Few messages (max. 50 messages/minute) Consequence mainly motorway oriented	Many more messages (using a second subcarrier about 250 messages/minute) More detailed TMC based on more road classes
ODA - 21 and 37 bit structure Types A and B		Tunnelled in new 7 byte ODA2 structure with “C” groups
ODA2 - 7 byte structure (new group type C)		Open for many new applications
Number of subcarriers	one	up to 4
Number of parallel active Open Data Applications	20 (8-Type A; 12- Type B)	additional 64 (Type C)
Implementation cost	low	Insignificant increase
IPR free	yes	yes
Backwards compatibility [1]		yes
Open for future applications and Program features	Limits of available RDS data capacity reached	Open for added value program features and many new applications by ODA

[1] This means that all existing features **PI, PS** short, Traffic Programme and Traffic announcement **TP; TA**; Clock Time and date **CT,** Program Type and Programme Type name **PTY** and **PTYN,** Radio Text (Up to 64 Latin based characters)and Radio Text plus **(**tagging of RT elements **) RT; RT Plus** Enhanced Other Network **EON** remain unchanged.
Obsolete and no longer part of the RDS standard are: MS (Group 0A) certain DI codes (mono/stereo, artificial head, compression), Language code, and PIN (Group 1A). Coding for the following applications is no longer detailed in the RDS standard as these can use in future the ODA concept: EWS, TDC, IH and RP.