Release Note Document from V1.0 to V2.0

This document summarizes the changes that have been done in since the RFC1 in the standard document, in the provided API, in the Sample data files repository and published reports and representations.

1. Standard document

- Update of the list of acronyms
- Update of the text of the figures
- Clarification of the “Figure 3 – GNSS metadata class model (UML 2.0)” in section 6.1
- Two new encoding schemes defined in “Table 8 – Enumeration of stream encoding attribute” in section 6.2.6
- New figure added representing the encoding schemes of chunks within a block in section 6.2.9
- New figure added representing the encoding schemes of blocks within a lane in section 6.2.10
- New figure added representing the encoding schemes of lanes within a file in section 6.2.11
- Completion of foundation classes in section 6.3 with the string foundation class
- Completion of the “Table 18 – Encoding of 2-bit samples”, “Table 19 – Encoding of 3-bit samples”, “Table 20 – Encoding of 4-bit samples”, and “Table 21 – Encoding of 5-bit samples” in Appendix I with the addition of the new encoding schemes defined in the section 6.2.9
- Definition of a new Appendix addressing the future extensions of the Global Navigation Satellite Systems Software Defined Radio Sampled Data Metadata Standard

2. Normative software

- New encoding functions have been added, MS (Magnitude-Sign) and MSA (Magnitude-Sign Adjusted).

3. ION SDR data repository

- Update of the binary files with a larger files
- Use of official extension in the XML-based configuration files (.sdrx)
- Completion of the data repository with the addition of the binary files from NTLab and LabSat

4. Webpage with publications

- Completion of the sdr.ion.org with the addition of the presentations and publications made regarding this GNSS SDR sampled data metadata standard