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# NATIONAL RADIO SYSTEMS COMMITTEE



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## DAB SUBCOMMITTEE IBOC DAB System Evaluation Guidelines

### Addendum #1 Additional suggestion for data formatting

This addendum provides additional information regarding how proponents format data included in an IBOC system data submission to the NRSC. Proponents are asked to consider the information in this addendum as they prepare their submission.

The NRSC's Test Guideline documents request a considerable amount of information taken under numerous conditions in both the laboratory and the field. For the purpose of clarity and to promote an efficient evaluation by the NRSC, it would be helpful if as part of a submission a proponent were to summarize (when appropriate) system performance using the tabular format shown below. This information is especially valuable when provided at the "edge of coverage" or when it represents "point of failure" performance.

| TEST | MODE INFORMATION   |                      |     | FER | AVG. CODER RATE | OPTIONAL |     |            |
|------|--------------------|----------------------|-----|-----|-----------------|----------|-----|------------|
|      | ANALOG/<br>DIGITAL | DATA PATHS<br>IN USE | TBD |     |                 | MOS      | S/N | Host/INTF. |
|      |                    |                      |     |     |                 |          |     |            |
|      |                    |                      |     |     |                 |          |     |            |

where:

- Test – description of test being reported;
- Mode information – information provided by the proponent per Addendum 4 to the Laboratory and Field test guidelines – note that this information is proponent specific and each proponent may present different information here (three examples are shown: Analog/digital – for systems which “blend to analog;” Data paths in use – for systems with multi-level (i.e. multidescriptive) source coding schemes; and TBD – for other relevant mode information not previously disclosed;
- FER – Frame error rate measured during test (e.g., average FER);
- Avg. coder rate – the average effective source coder rate for the test
- Optional – Other useful information about the test, such as: MOS – the results of any subjective evaluations performed on the data for this test; S/N – signal to noise ratio of received RF signal; and, Host/Intf – the power ratio of the host to any interfering signals present.