

SOFTWARE DEFINED RADIO (SDR) QUESTIONNAIRE AND CHECKLIST

This list functions as a guide to DoD reviewers to promote consistency in SDR release reviews by using the same criteria regardless of the type of radio or the manufacturer involved. This checklist does NOT represent a required criteria list.

1. Identify the SDR hardware version, platform model number and/or name, manufacturer, and precise SDR hardware configuration type.
2. Identify the radio's Operating Environment (OE) version and date of release including all Application Program Interfaces (API).
3. Identify the net manager being addressed in the request.
4. Identify the US Military Services, other DoD entities, or USG Agencies currently using this radio. (Identify hardware configuration used by the US military or other DoD agencies and waveforms used by the US military.)
5. Identify and describe all the SDR Waveforms/functionalities (what does it do) loaded on the SDR and the respective version of each SDR Waveform. Provide the specific performance parameters for each of the SDR Waveforms/functionalities loaded on the SDR. Indicate if the SDR Waveform is related to either implemented or pre-decisional Military Standards.
6. Identify the ECCM (frequency hopping, classification of hop set) type and the Circuit Card Assembly (CCA) responsible for it. Identify whether or not the ECCM type is used by the US. Identify the frequency hopping rate, range and number of nodes and any other descriptive specifications.
7. For MANET SDR Waveforms, identify the distance covered, the channel spacing, operating frequency band, latency, node discovery time, hop count, data rate, number of nodes supported.
8. Provide a clear differentiation between the set of SDR Waveforms/functions supported by the SDR (in the optimum configuration and which options are applied) and the subset loaded for your particular export transaction.
9. Identify and describe the presence of advanced military GPS PPS type or the GPS SPS and the CCA model responsible for the GPS type.
10. Identify and describe the presence of USG crypto or commercial crypto, such as AES, and the CCA responsible for it. (Specify the cryptographic module identified and/or the crypto algorithms by name loaded in the CCA at the time of export.) Identify the crypto-key loader being addressed in the request. Is FMV available?
11. Identify and describe all other CCA's as part of the SDR subject to the export transaction.
12. Identify and describe any hardware or software USG certifications. Use the questions above to describe and identify the hardware and software configurations. Provide a copy of the certification letter.
13. Provide the company product brochure (or technical drawings or descriptive literature) for each item requested.

