

- Have a non-radar person read your first two sections and see if he can understand them.
- Label and number all Tables and Figures; Figures need captions.
- Write concisely, do not make vague statements or ramble on about general considerations.

This next part provides guidance for preparation of the remaining sections of the Final Report.

Considerations for the Final Report:

- The section after the SA will be for Design Analysis (DA), here you will assemble the parts of the radar system and iterate on radar parameters in an effort to meet the performance specs given at the conclusion of the SA.
- Start with a practical constraint on your radar system and work from there.
- After you have settled on a design, sketch out the arrangement of your Tx and Rx components in block diagram form. This might be a separate section; add sections as needed to logically arrange your work.
- Provide a Conclusions section; here you must provide
 - 1) a Table that summarizes the parameters of your radar system (all of them), suitable for passing on to subsystem design teams
 - 2) a Wrap-up discussion that refers back to the Introduction and SA and explains how you met spec and what interesting or problematic points arose. Be sure to make clear just what your system can and cannot do!

Other points:

- Offer some explanation for each radar parameter you set in the DA.
- Explain your design work but perhaps not every detail and avoid repetition.
- Read the DA over yourself to see that it makes sense, that there is logical flow, that nothing is irrelevant or pedantic.
- To the extent possible, organize your final summary Table by subsystems, so, for example, group the parts together that refer to the antenna subsystem.
- Add a Cover page with a brief abstract.
- Include a list of References.