

NAC Working Group
Design Principles
Developed at February 13, 2023 Meeting

Primary Objective

Maximize overflight of “compatible” areas such as non-residential areas, commercial/industrial areas, and the Fore River and waters of Casco Bay.

Where it is not possible to avoid residential neighborhood areas, strive to share the noise burden ~~equitably~~ according to the following ~~hierarchical~~ considerations:

Consideration #1

WG - Design procedures that limit the exposure to any ~~affected~~ ~~one~~ community so that no single area is disproportionately burdened ~~by the highest cumulative noise exposure.~~

Consideration #2

WG - Design procedures that minimize overflights ~~exposure to~~ of the most impacted areas (Portland Peninsula, South Portland, Peaks and Diamond Islands).

Consideration #3a

WG - Design procedures to avoid ~~heavily populated residential areas~~ ~~regardless of geography,~~ including ~~seasonal populations,~~ and ~~especially from~~ during noise sensitive hours (10:00pm – 7:00am).

Consideration #3b

~~Anne~~ – Design procedures that take into account altitude and impact of operations (i.e., arrivals vs. departures).

~~**POSSIBLE WORDING** – Where possible, design procedures to avoid residential areas that will have a noticeable increase in noise exposure from the arrival/departure of the aircraft due to altitude and operation.~~

Consideration #4

WG - Consider historical flight patterns and conditions prior to recent airspace changes since 2019.