Aeronautical Survey and Instrument Flight Procedures Work Group Prioritization Methodology

In order to prioritize airports for LP and LPV approaches the work group created an equation by which all airports could be scored and ranked. The following equation was used:

Ranking = (Minimums) * (Classification + Activity Levels)

Ranking = (Performance Measures + HAT+ Visibility) * (Classification + Cargo + Mail + Enplanements)

❖ Minimums = AASP Performance Measure + Height Above Touchdown + Visibility
- The AASP set performance measures regarding minimum visibility of 1 mile at community and ¾ mile regional class airports. Scoring was as follows:
  - Meets performance measure=0 points
  - Does not meet performance measure=10 points
  - If a performance measure does not exist for class of airport= 0 points
- The lowest Height Above Touchdown available was used and given the following values:
  - 0-200=0
  - 200-400=2
  - 400-600=4
  - 600-800=6
  - 800-1000=8
  - >1000=10
- Visibility was assigned the following values:
  - None = 10 points
  - 2 mi= 8 points
  - 1 mi= 6 points
  - 3/4 mi= 4 points
  - 1/2 mi=2 points
  - <1/2mi=0 points

❖ Classification = AASP Classification
- Classification of airports were assigned the following values:
  - International = 10 points
  - Regional = 9 points
  - Community off-road = 8 points
  - Community on-road = 7 points
  - NPIAS high activity = 6 points
  - NPIAS low activity = 5 points
  - Non-NPIAS = 4 points

❖ Activity Levels = Cargo + Mail + Enplanements
- Bethel Airport's activity levels were assigned the highest point value of 10. Therefore the following equation was applied:
  - Cargo = (Cargo tonnage/Bethel's cargo tonnage)*10 points
  - Mail = (Mail tonnage/Bethel's mail tonnage)*10 points
  - Enplanements = (Enplanements/Bethel's enplanements)*10 points